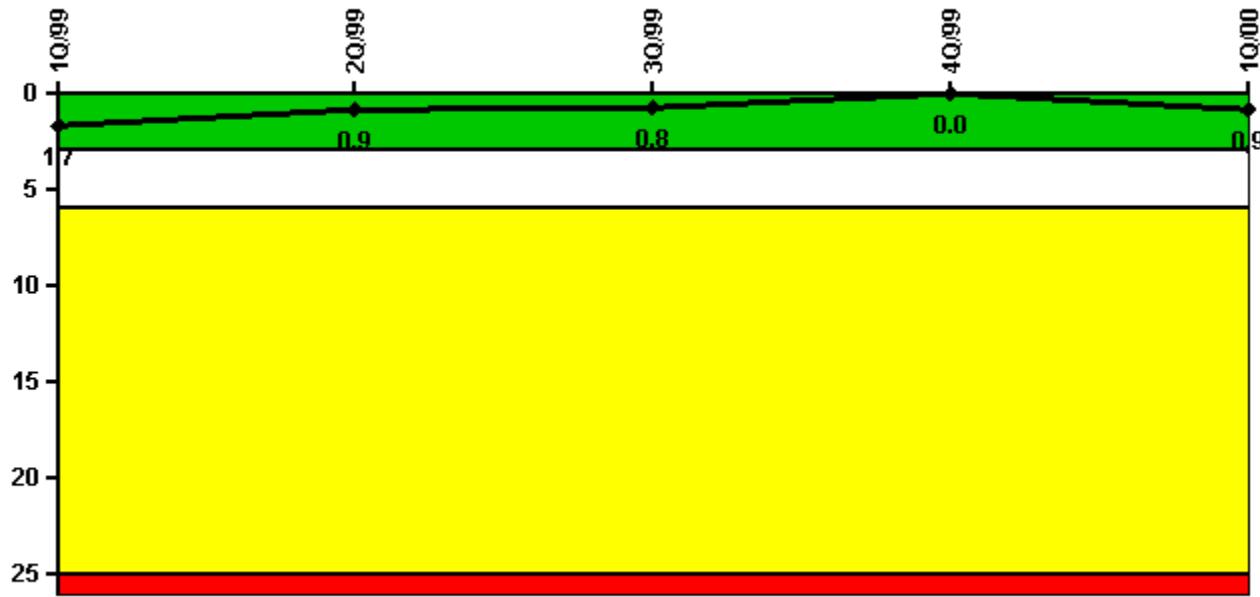


Sequoyah 1**1Q/2000 Performance Indicators**

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	2160.0	2183.0	2208.0	2209.0	1600.7
Indicator value	1.7	0.9	0.8	0	0.9

Licensee Comments: none

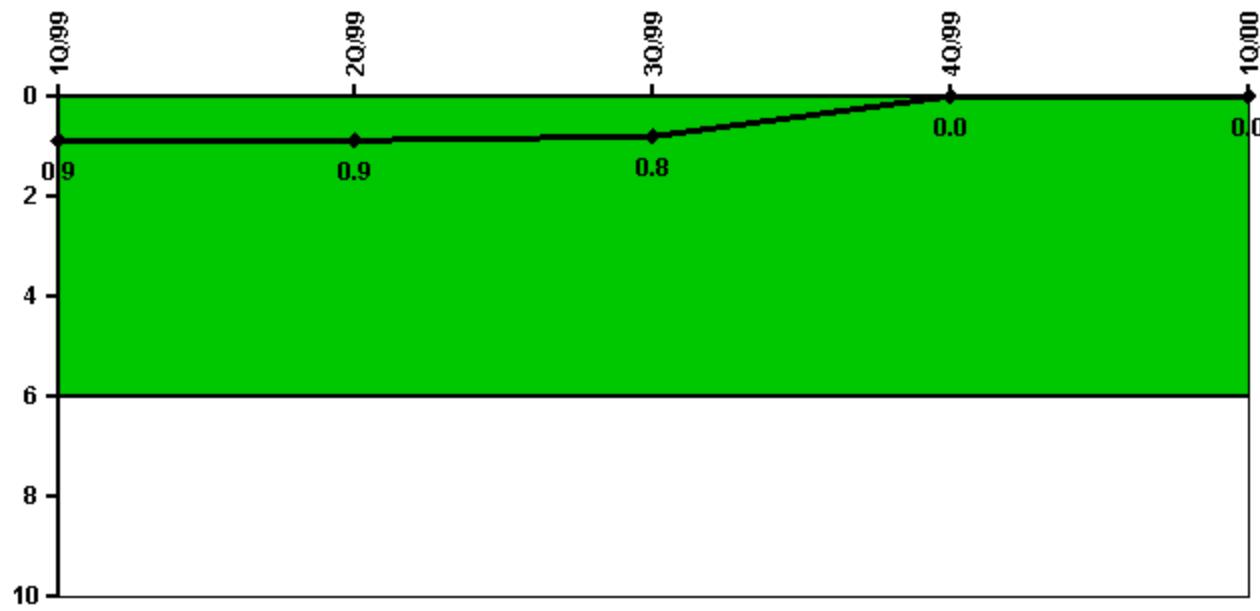
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

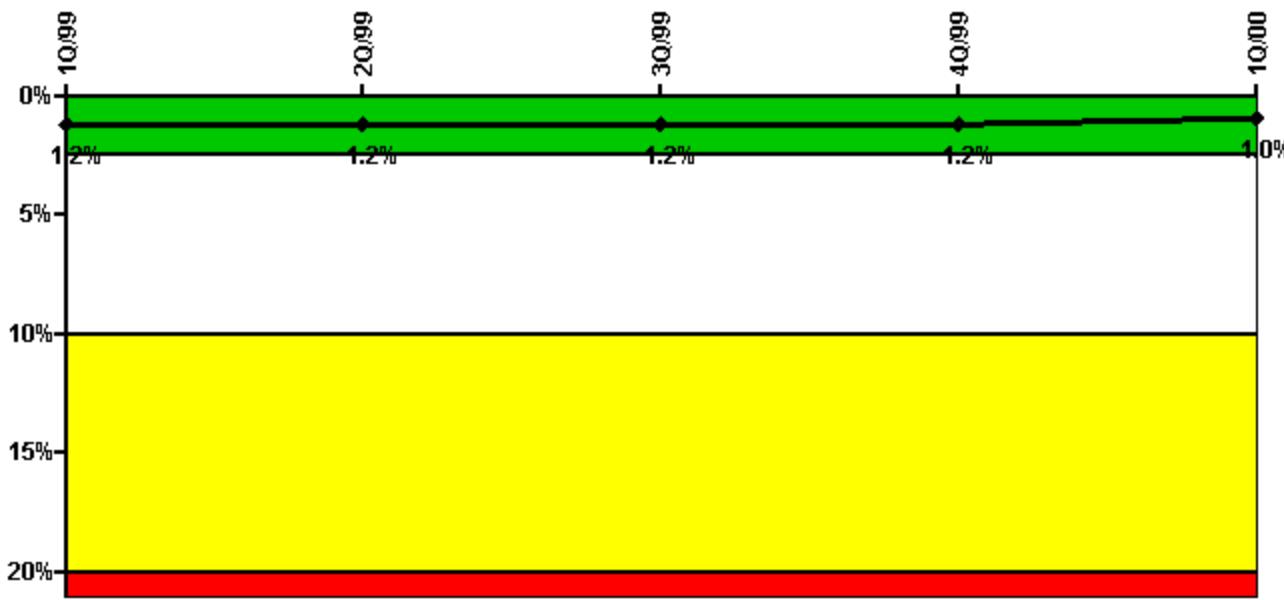
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1600.7
Indicator value	0.9	0.9	0.8	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

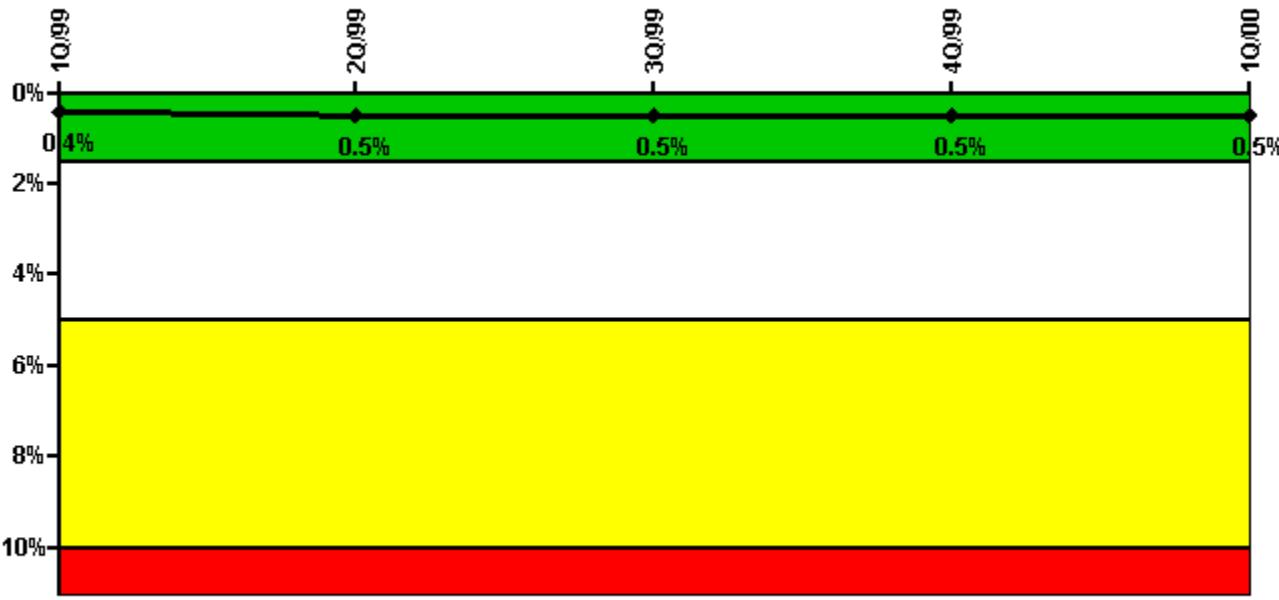
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	73.20	0	0	0.50	39.95
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	92.70	0	0	1.60	2.73
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	88.40	0	0	0	38.47
Unplanned unavailable hours	0	1.60	0.80	4.90	0
Fault exposure hours	0	0	6.00	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	62.40	0	46.20	2.72	2.17
Unplanned unavailable hours	0	0	0.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	1.2%	1.2%	1.2%	1.2%	1.0%

Licensee Comments:

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

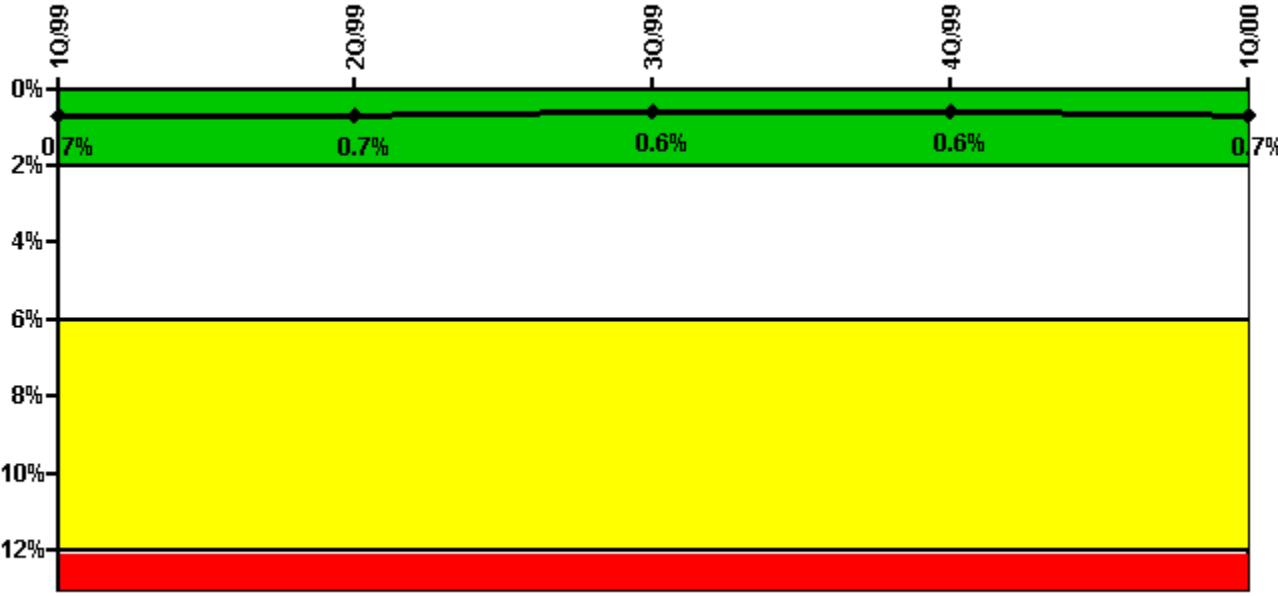
Safety System Unavailability, High Pressure Injection System (HPSI)		1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1						
Planned unavailable hours		3.60	13.40	0.70	6.20	13.50
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	1805.00
Train 2						
Planned unavailable hours		23.30	14.50	16.70	0.80	3.10
Unplanned unavailable hours		12.00	85.10	14.50	0	0
Fault exposure hours		0	0	6.00	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	1805.00
Train 3						
Planned unavailable hours		10.30	8.90	10.60	5.70	3.40
Unplanned unavailable hours		0	8.00	6.10	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	1676.40
Train 4						
Planned unavailable hours		9.90	4.30	9.20	6.20	2.00

Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1676.40
Indicator value	0.4%	0.5%	0.5%	0.5%	0.5%

Licensee Comments:

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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	9.60	5.60	8.40	7.80	9.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1661.17
Train 2					
Planned unavailable hours	18.00	6.70	4.00	6.00	3.15
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1670.70

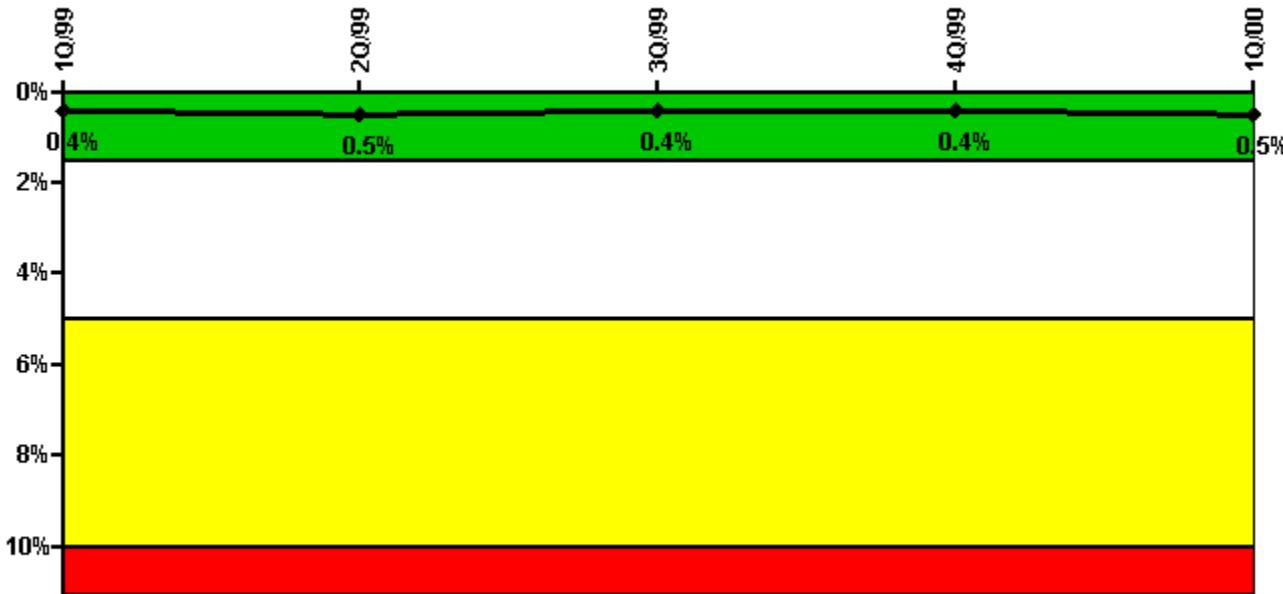
Train 3					
Planned unavailable hours	12.00	23.70	7.70	20.50	31.60
Unplanned unavailable hours	14.50	6.70	15.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1619.90
Indicator value	0.7%	0.7%	0.6%	0.6%	0.7%

Licensee Comments:

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000.

Safety System Unavailability, Residual Heat Removal System



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

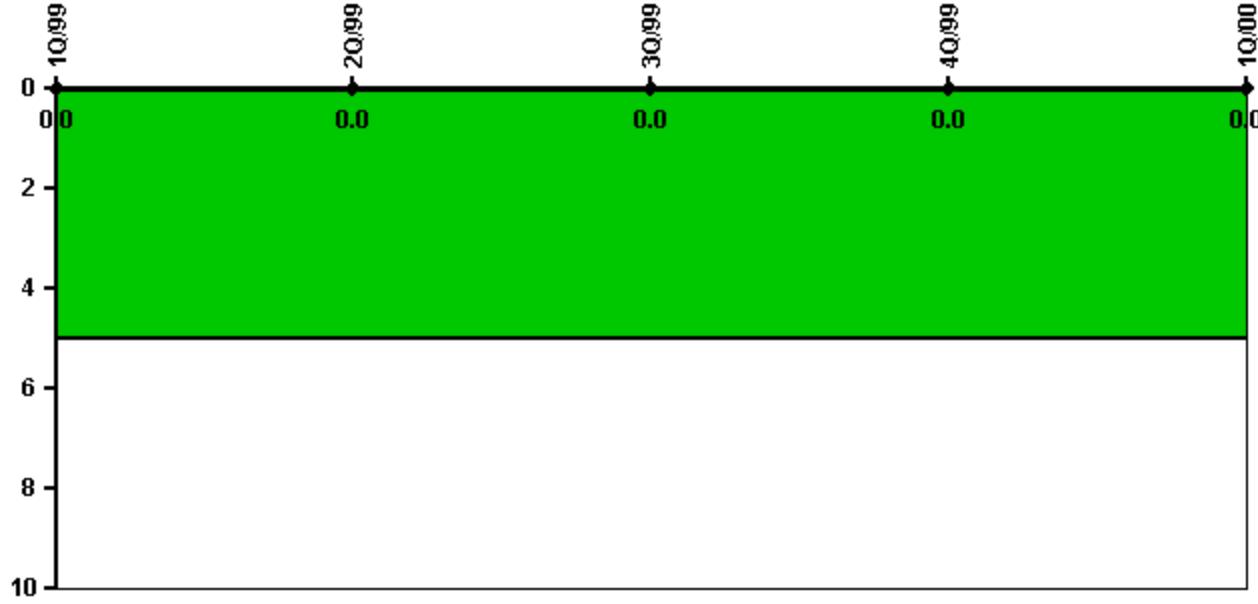
Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	17.00	11.30	2.30	1.80	15.40
Unplanned unavailable hours	0	0	6.10	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2094.80
Train 2					
Planned unavailable hours	33.20	1.40	1.10	2.50	16.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2094.80
Indicator value	0.4%	0.5%	0.4%	0.4%	0.5%

Licensee Comments:

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

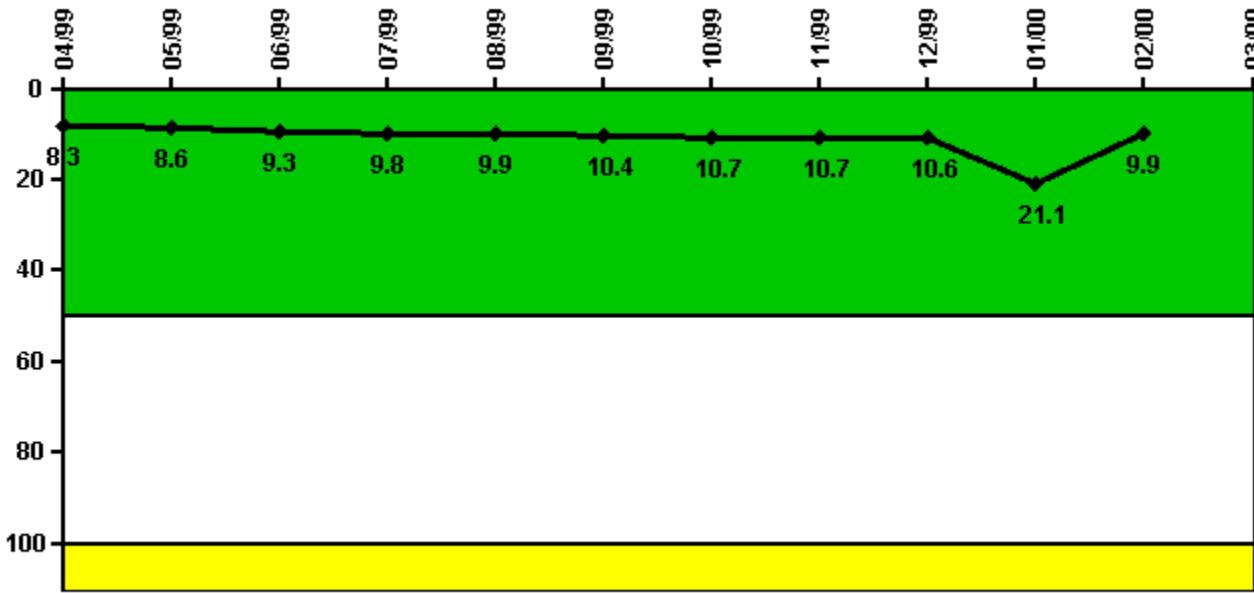
Notes

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

Indicator value	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity

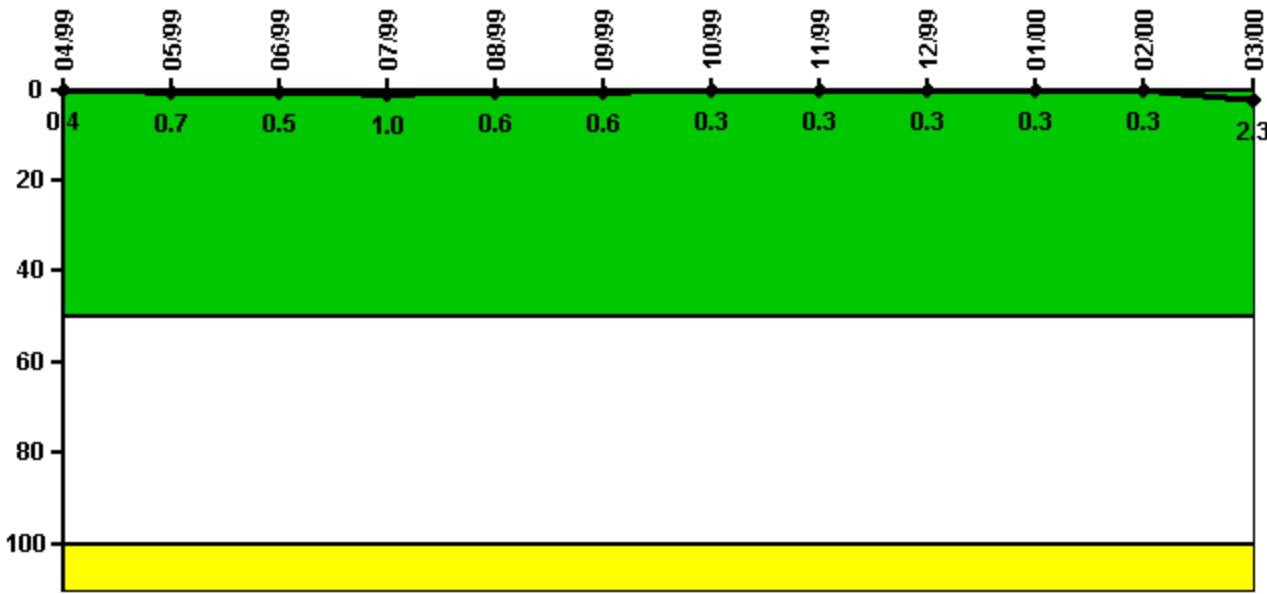


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.029000	0.030200	0.032400	0.034200	0.034700	0.036400	0.037600	0.037400	0.037200	0.074000	0.034700	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	8.3	8.6	9.3	9.8	9.9	10.4	10.7	10.7	10.6	21.1	9.9	N/A

Licensee Comments: none

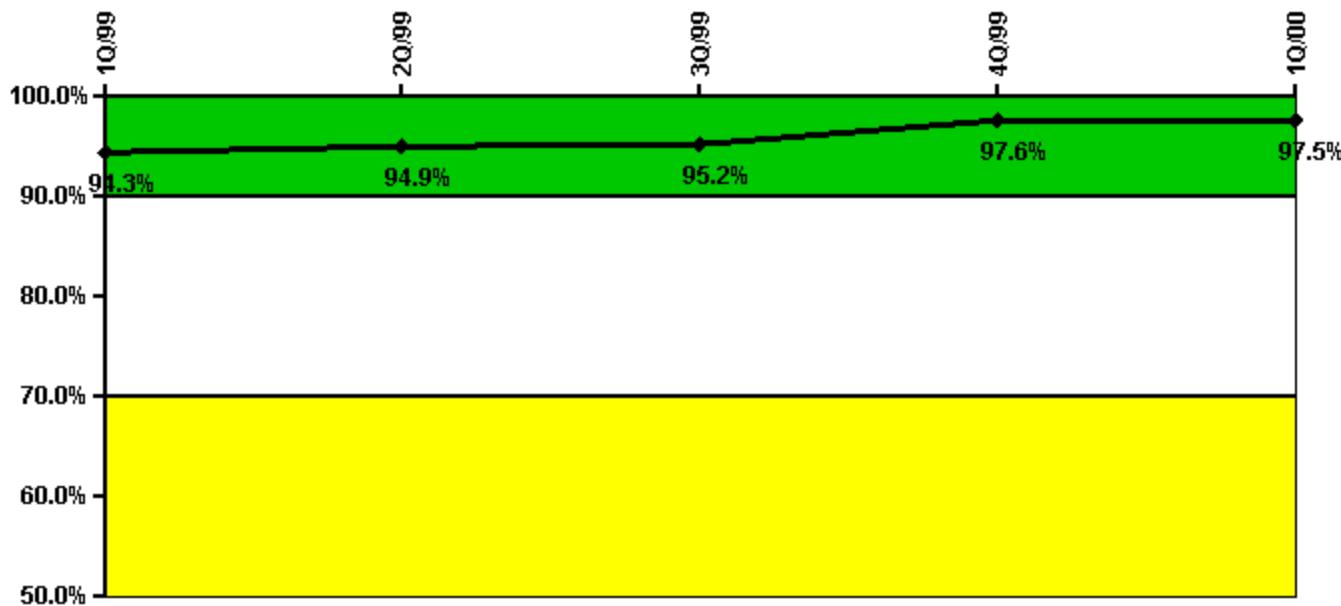
Reactor Coolant System Leakage

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	0.040	0.070	0.050	0.100	0.060	0.060	0.030	0.030	0.030	0.030	0.030	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	0.4	0.7	0.5	1.0	0.6	0.6	0.3	0.3	0.3	0.3	0.3	2.3

Licensee Comments: none

Drill/Exercise Performance

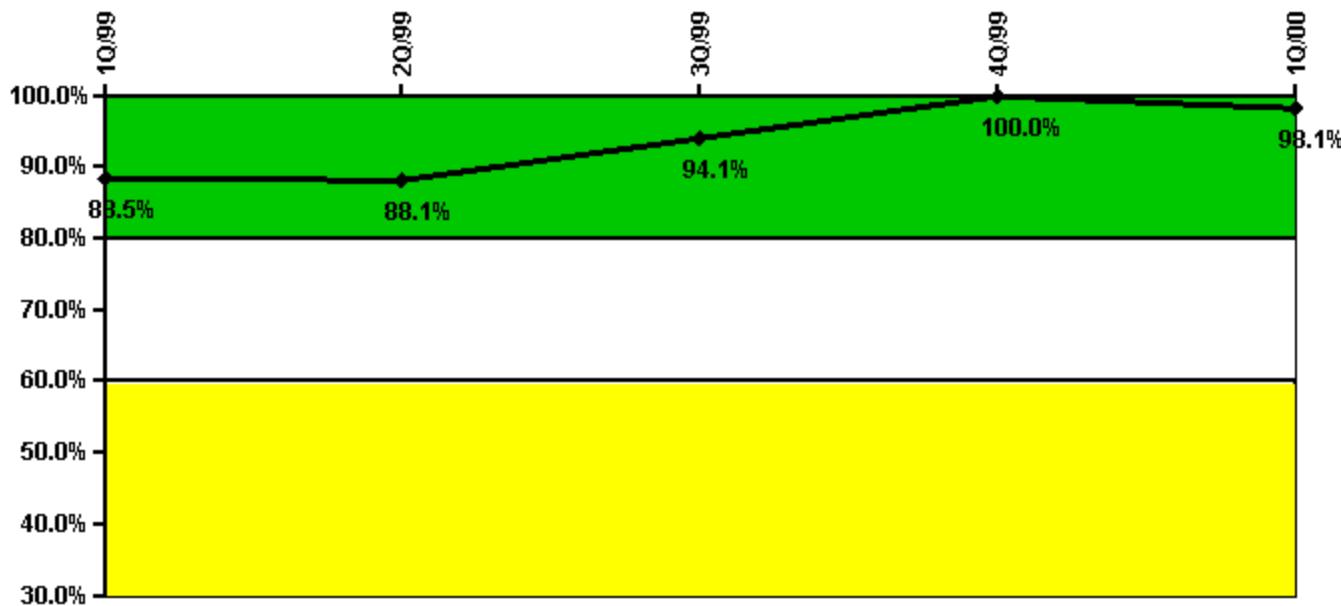
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	8.0	14.0	9.0	34.0	0
Total opportunities	8.0	14.0	10.0	34.0	0
Indicator value	94.3%	94.9%	95.2%	97.6%	97.5%

Licensee Comments: none

ERO Drill Participation



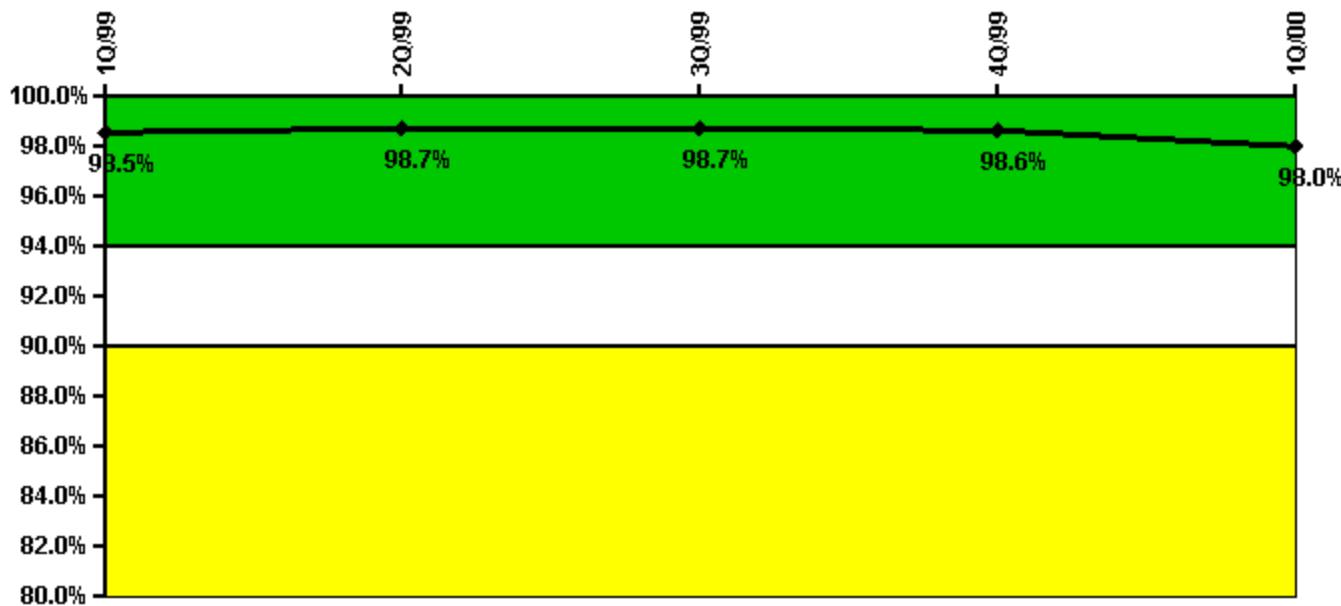
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	77.0	74.0	80.0	54.0	52.0
Total Key personnel	87.0	84.0	85.0	54.0	53.0
Indicator value	88.5%	88.1%	94.1%	100.0%	98.1%

Licensee Comments: none

Alert & Notification System

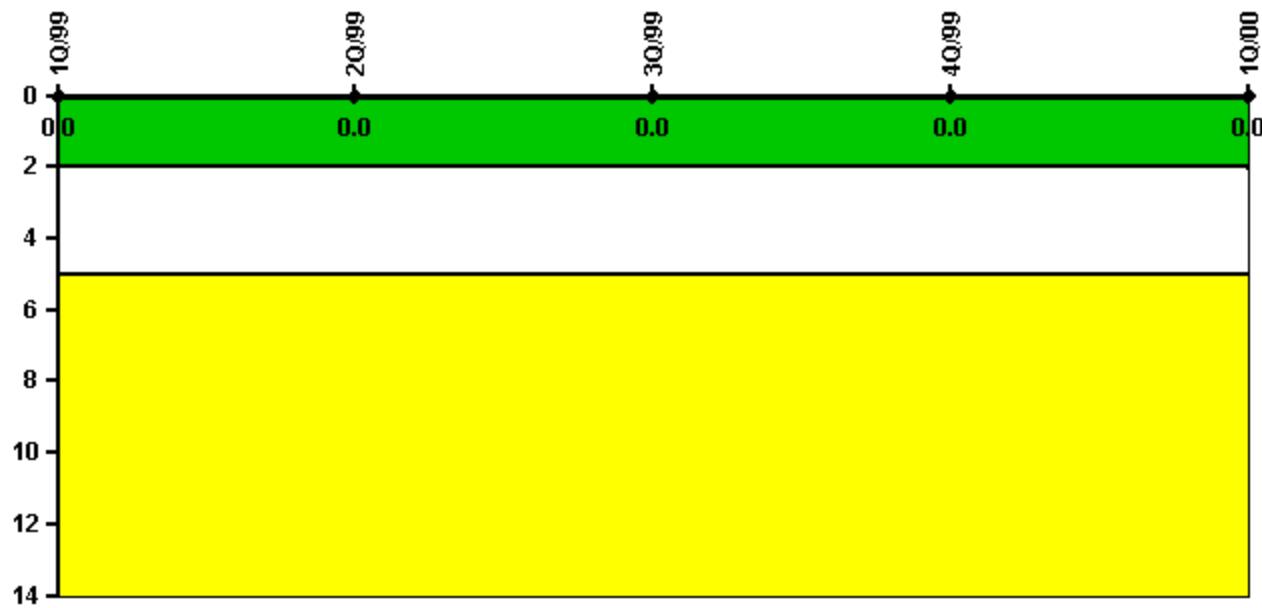


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	965	741	1066	741	945
Total sirens-tests	972	756	1080	756	972
Indicator value	98.5%	98.7%	98.7%	98.6%	98.0%

Licensee Comments: none

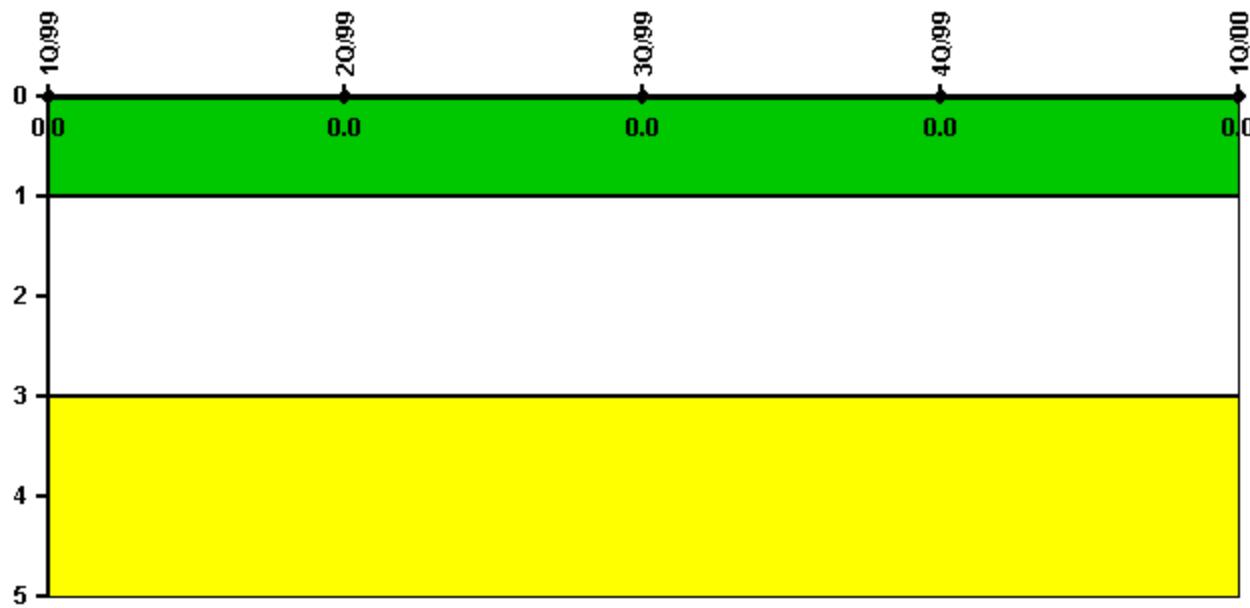
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

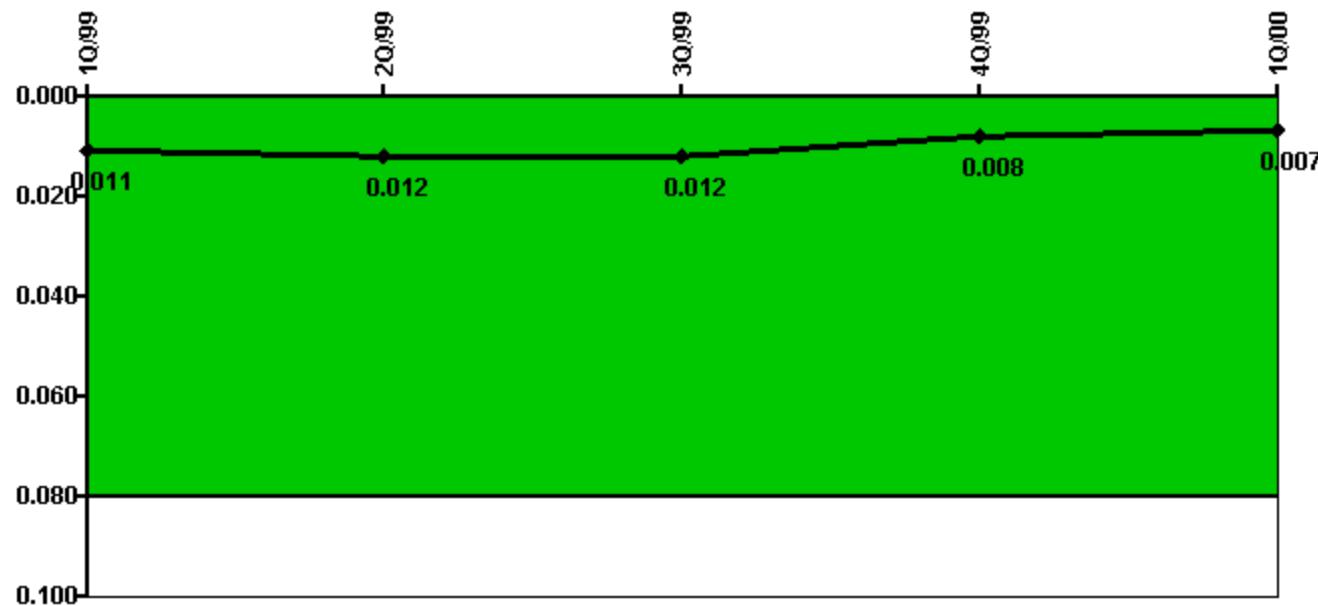
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

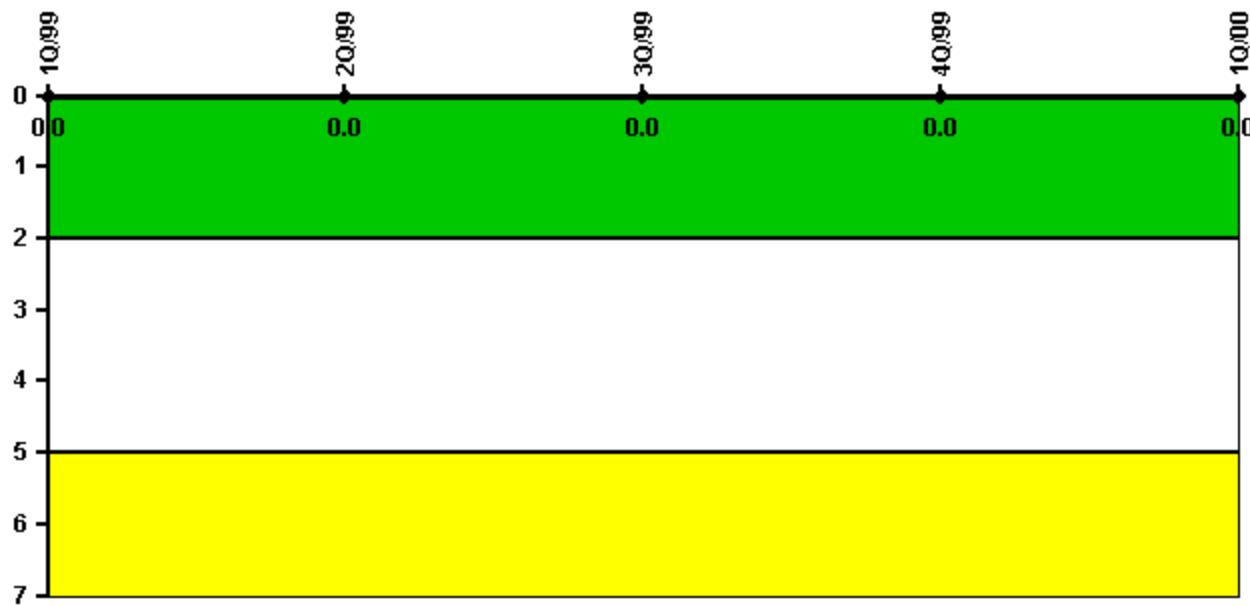
Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	187.34	125.77	87.45	87.17	12.40
CCTV compensatory hours	0	0	6.4	0	72.9
IDS normalization factor	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7
Index Value	0.011	0.012	0.012	0.008	0.007

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented on PER00-010268-000.

Personnel Screening Program

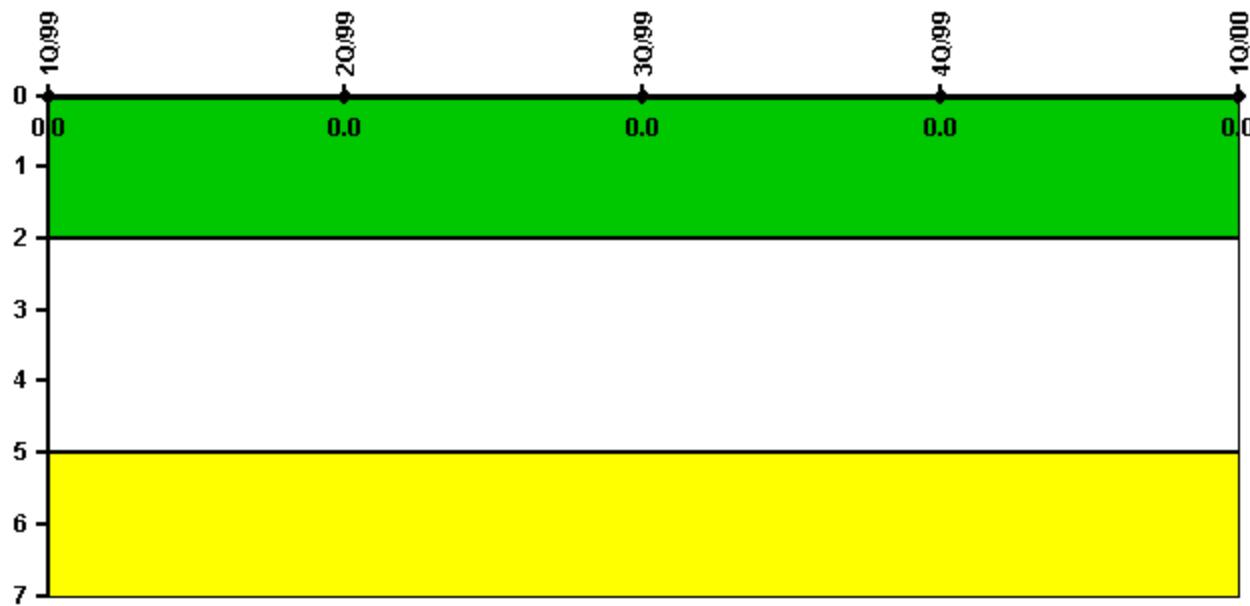


Thresholds: White > 2.0 Yellow > 5.0

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

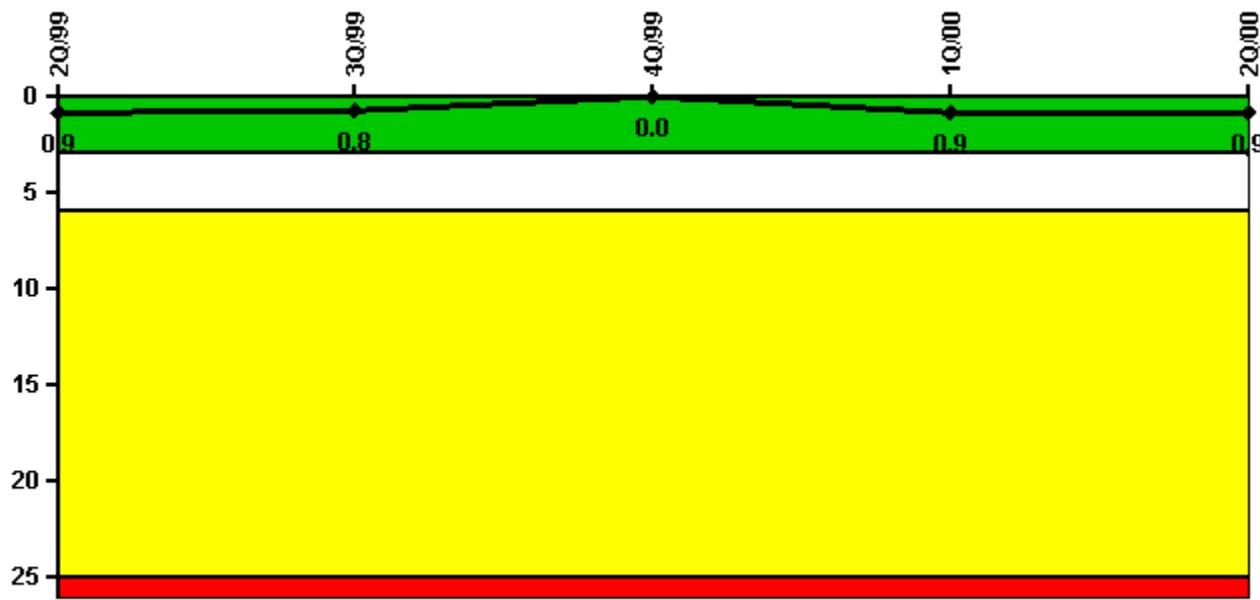


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

Sequoyah 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	2208.0	2209.0	1600.7	2183.0
Indicator value	0.9	0.8	0	0.9	0.9

Licensee Comments: none

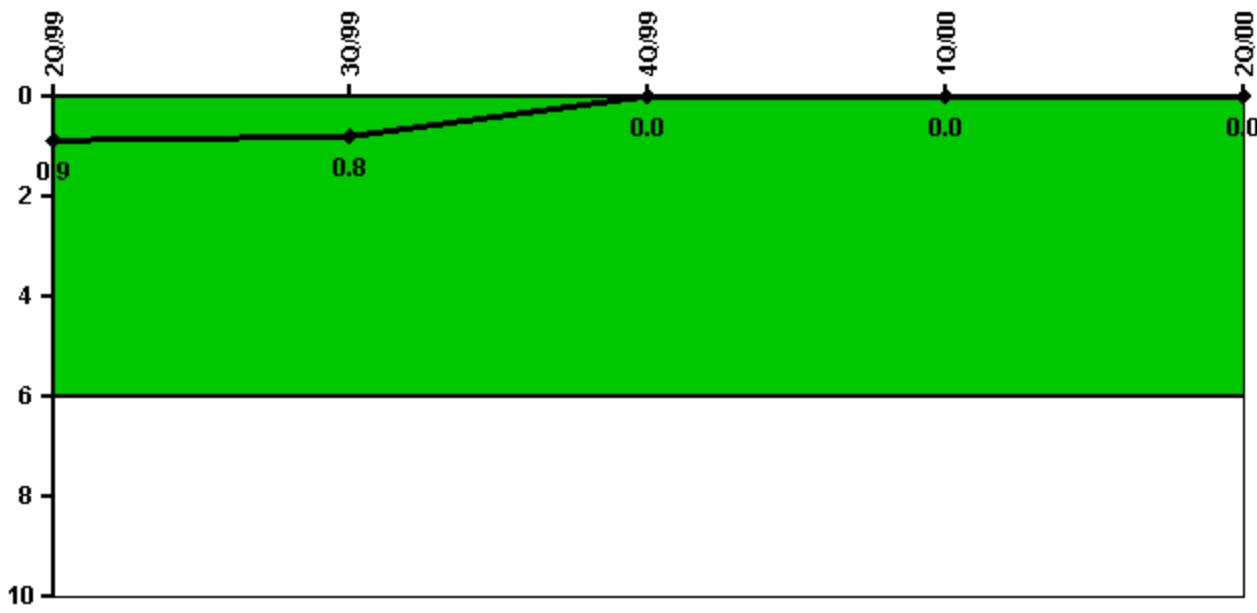
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

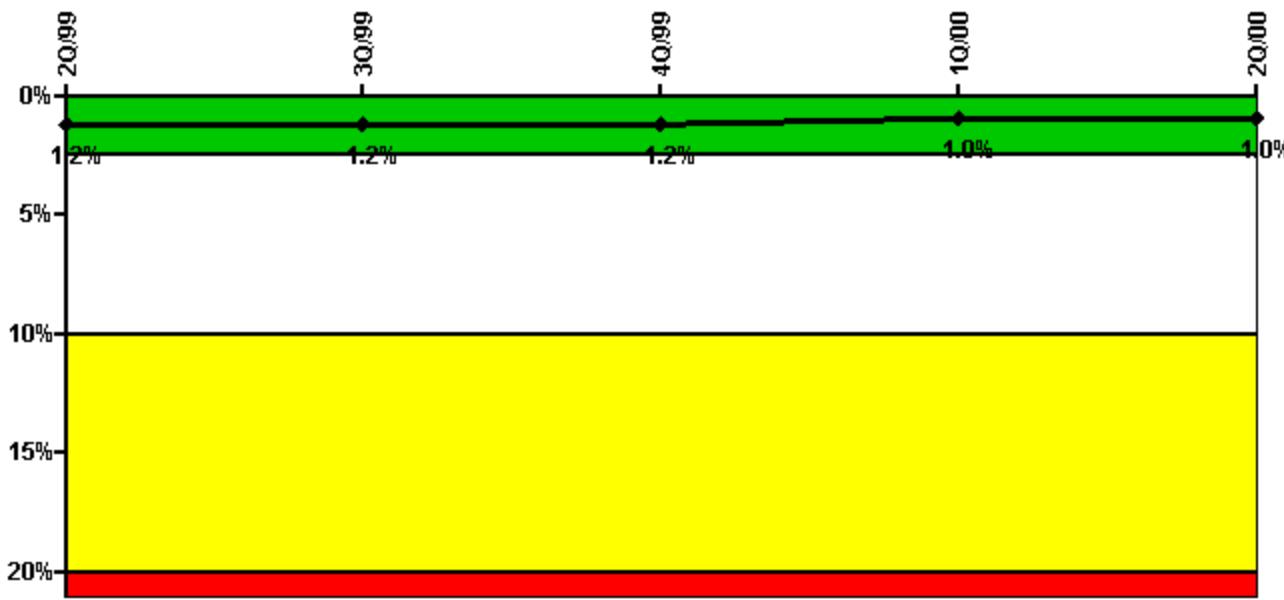
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1600.7	2183.0
Indicator value	0.9	0.8	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

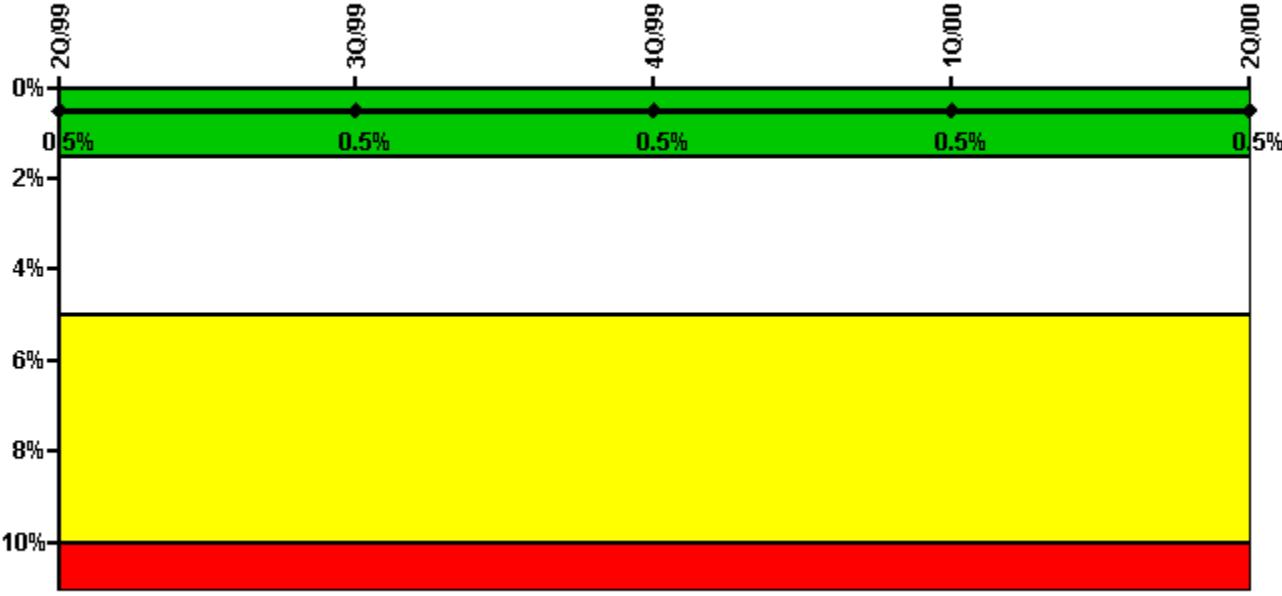
Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0	0.50	39.95	1.65
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0	0	1.60	2.73	134.92
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	0	0	0	38.47	1.90
Unplanned unavailable hours	1.60	0.80	4.90	0	0
Fault exposure hours	0	6.00	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0	46.20	2.72	2.17	5.43
Unplanned unavailable hours	0	0.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	1.2%	1.2%	1.2%	1.0%	1.0%

Licensee Comments:

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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	13.40	0.70	6.20	13.50	10.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1805.00	2183.00
Train 2					
Planned unavailable hours	14.50	16.70	0.80	3.10	14.00
Unplanned unavailable hours	85.10	14.50	0	0	0
Fault exposure hours	0	6.00	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1805.00	2183.00
Train 3					
Planned unavailable hours	8.90	10.60	5.70	3.40	5.40
Unplanned unavailable hours	8.00	6.10	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1676.40	2183.00

Train 4					
Planned unavailable hours	4.30	9.20	6.20	2.00	8.20
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	2183.00	2208.00	2209.00	1676.40	2183.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%

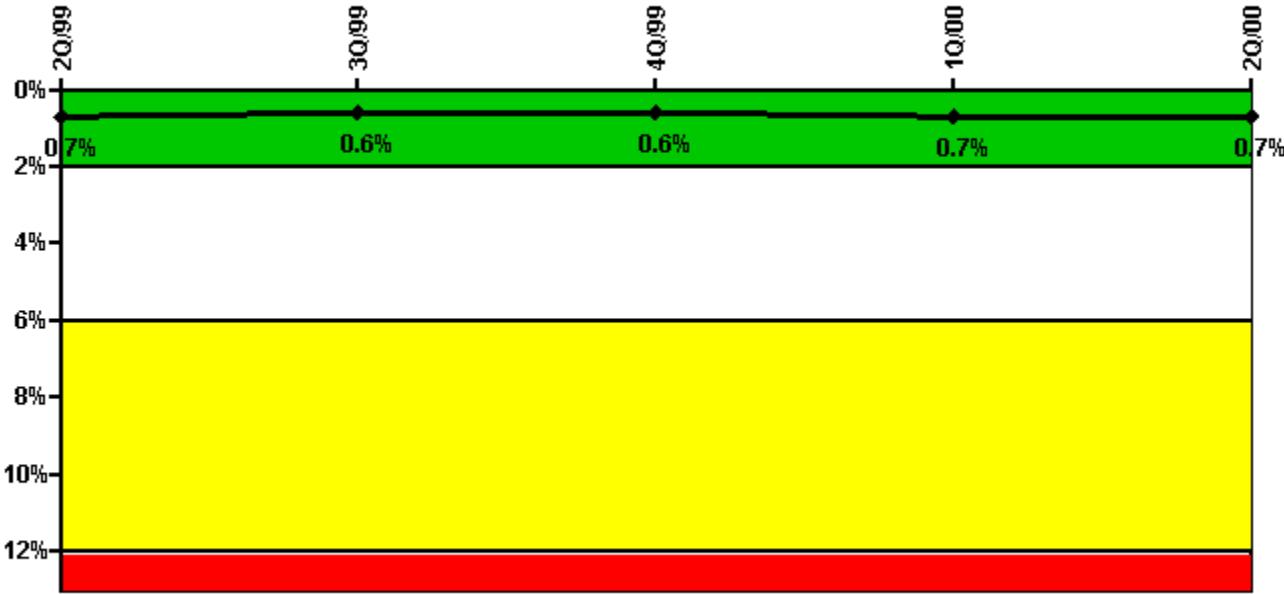
Licensee Comments:

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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	5.60	8.40	7.80	9.20	12.75
Unplanned unavailable hours	0	0	0	0	1.02
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1661.17	2183.00

Train 2					
Planned unavailable hours	6.70	4.00	6.00	3.15	19.97
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1670.70	2183.00
Train 3					
Planned unavailable hours	23.70	7.70	20.50	31.60	8.60
Unplanned unavailable hours	6.70	15.80	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1619.90	2183.00
Indicator value	0.7%	0.6%	0.6%	0.7%	0.7%

Licensee Comments:

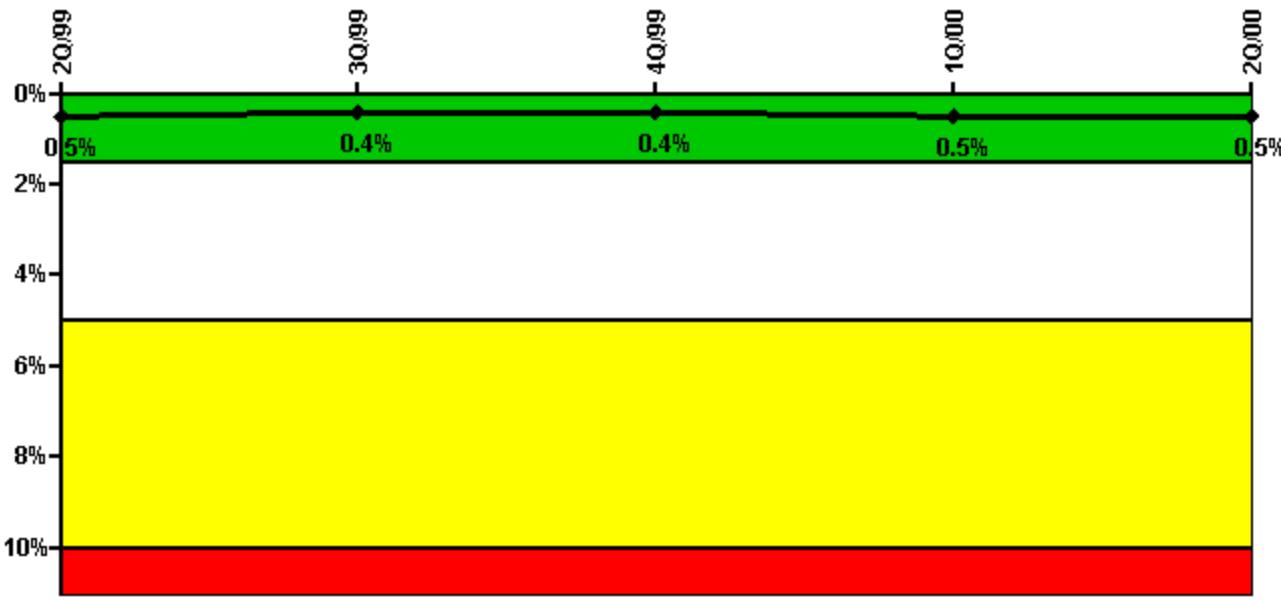
2Q/00: May00 Train 1 revised to include testing unavailability.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000.

Safety System Unavailability, Residual Heat Removal System



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

Notes

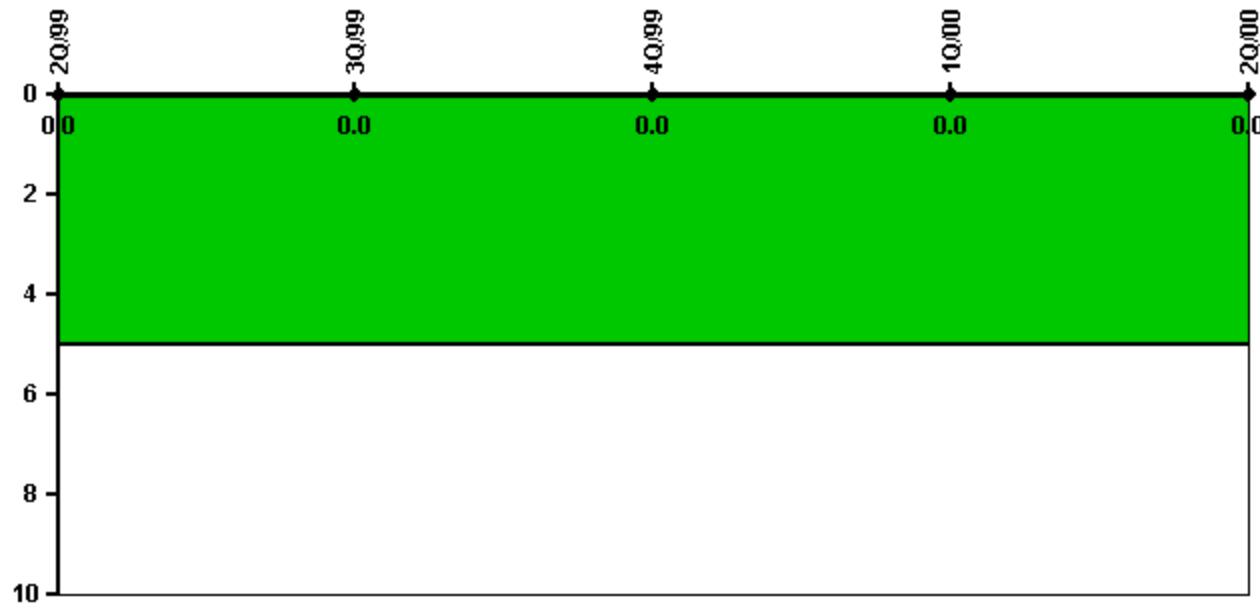
Safety System Unavailability, Residual Heat Removal System		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1						
Planned unavailable hours		11.30	2.30	1.80	15.40	2.10
Unplanned unavailable hours		0	6.10	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2094.80	2183.00
Train 2						
Planned unavailable hours		1.40	1.10	2.50	16.00	9.40
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2094.80	2183.00
Indicator value		0.5%	0.4%	0.4%	0.5%	0.5%

Licensee Comments:

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)

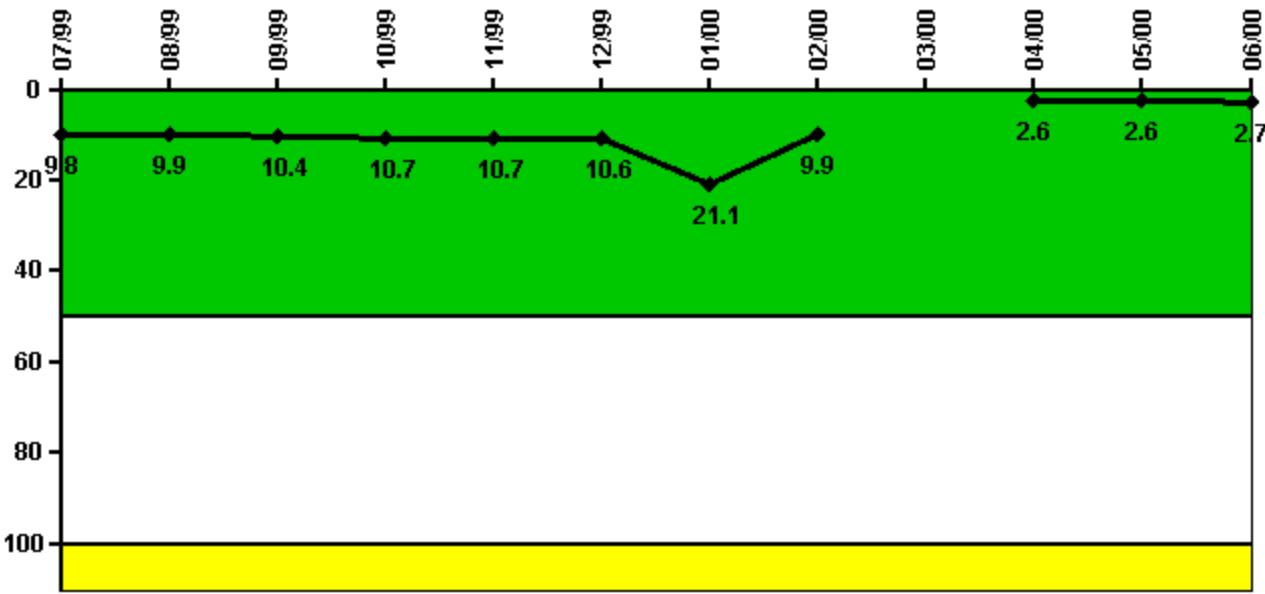
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



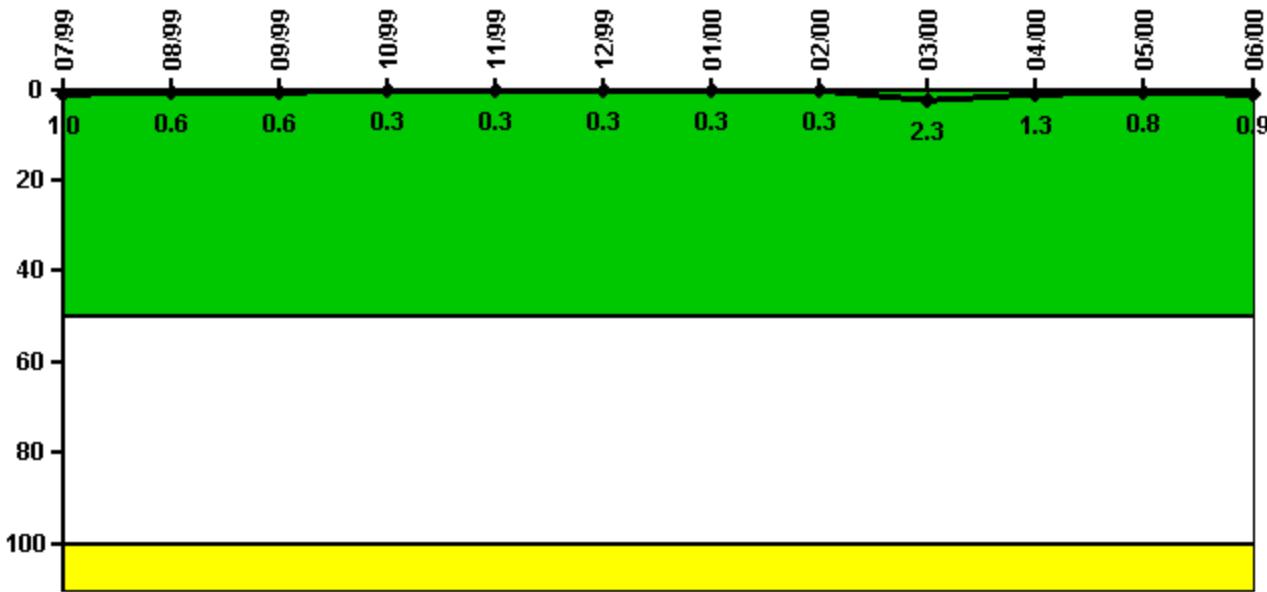
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.034200	0.034700	0.036400	0.037600	0.037400	0.037200	0.074000	0.034700	N/A	0.009160	0.009230	0.009540
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	9.8	9.9	10.4	10.7	10.7	10.6	21.1	9.9	N/A	2.6	2.6	2.7

Licensee Comments: none

Reactor Coolant System Leakage

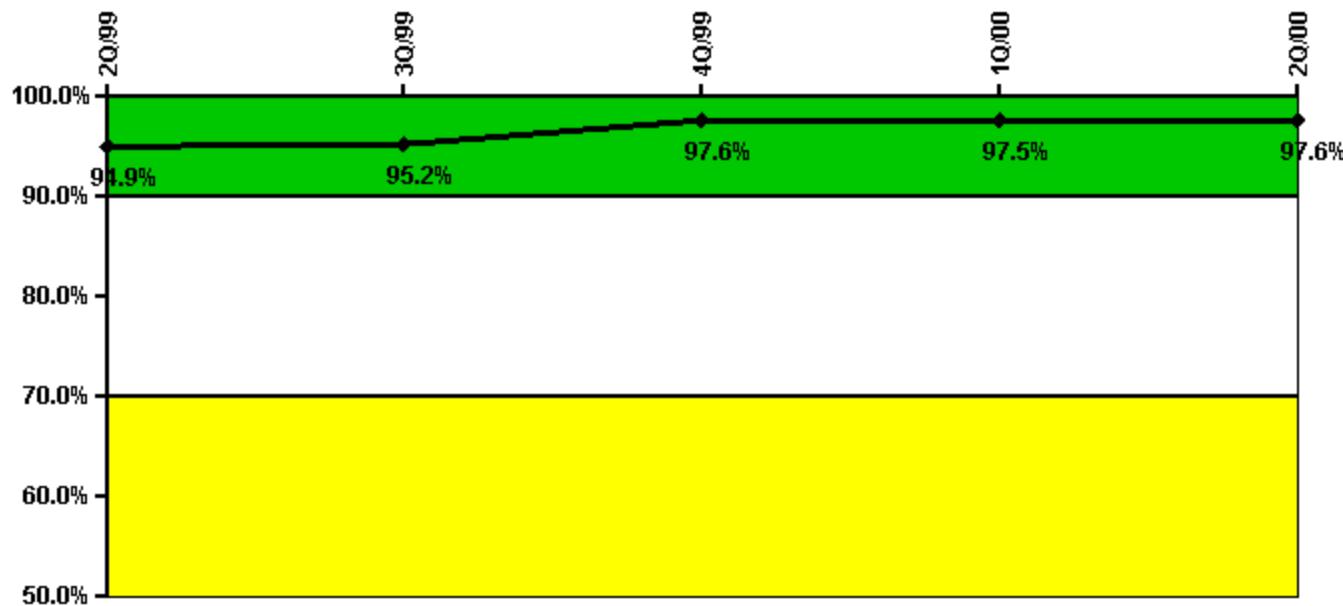


Thresholds: White > 50.0 Yellow > 100.0

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	0.100	0.060	0.060	0.030	0.030	0.030	0.030	0.030	0.230	0.130	0.080	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.6	0.6	0.3	0.3	0.3	0.3	0.3	2.3	1.3	0.8	0.9

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

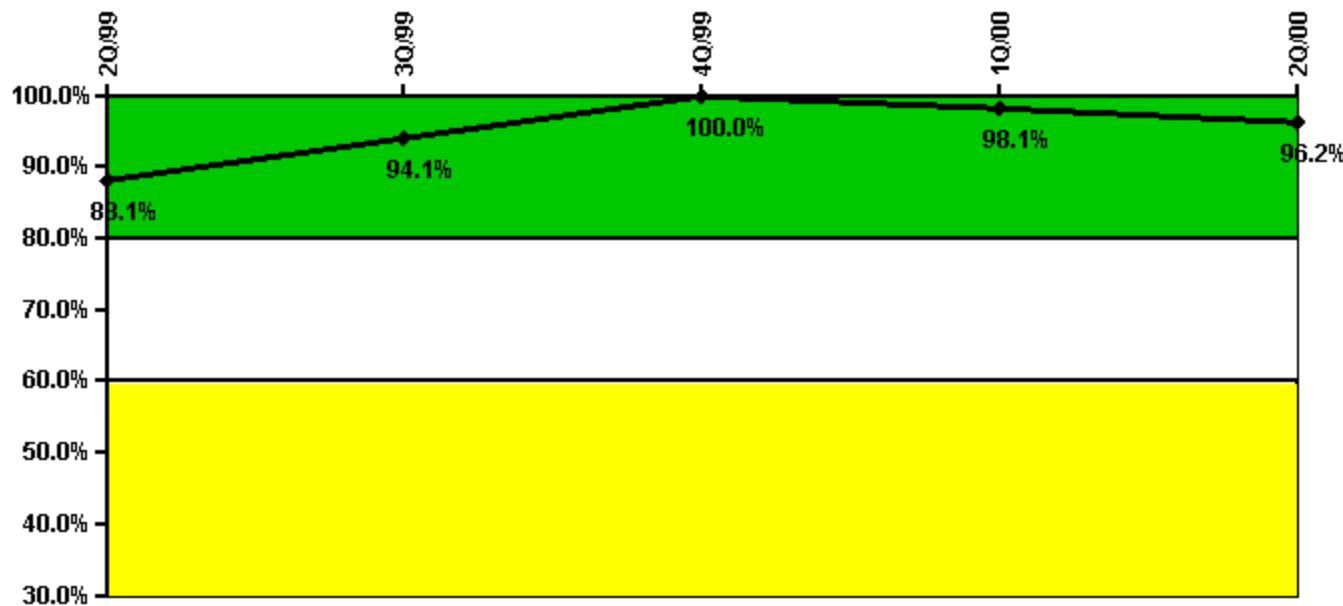
Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	14.0	9.0	34.0	0	8.0
Total opportunities	14.0	10.0	34.0	0	8.0
Indicator value	94.9%	95.2%	97.6%	97.5%	97.6%

Licensee Comments:

2Q/00: The original monthly data was incorrectly entered as the value of the quarter's sum to date as opposed to the individual monthly value. This is documented in SQN PER 00-006447-000.

ERO Drill Participation



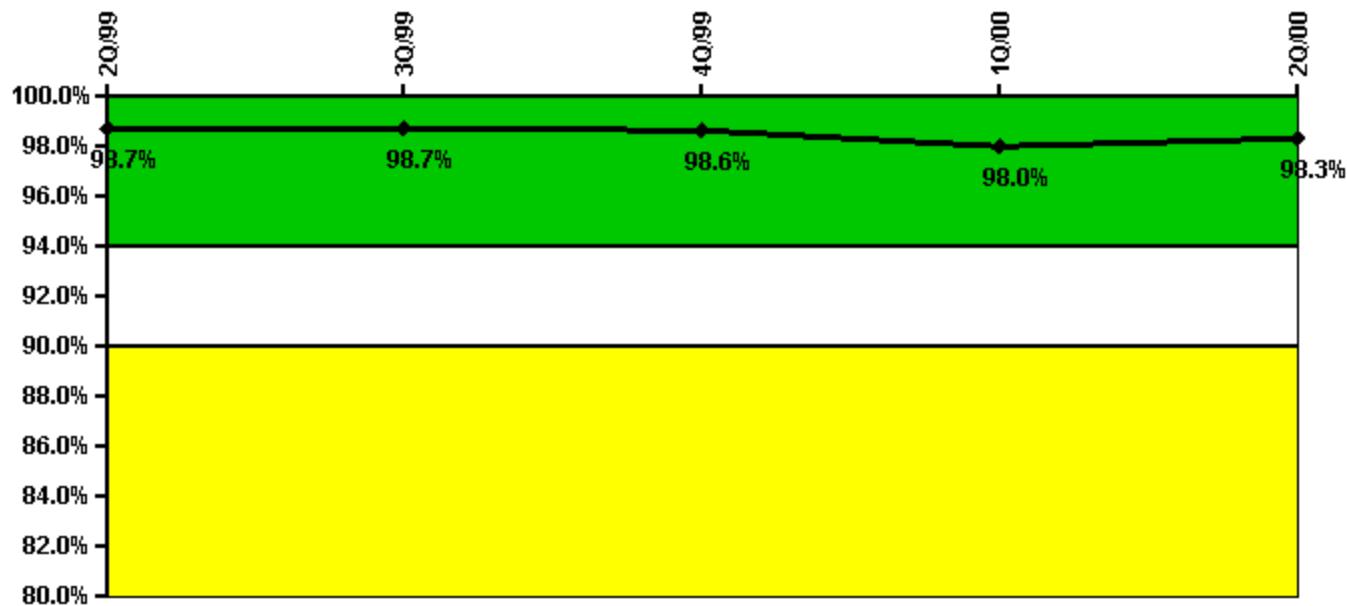
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	74.0	80.0	54.0	52.0	50.0
Total Key personnel	84.0	85.0	54.0	53.0	52.0
Indicator value	88.1%	94.1%	100.0%	98.1%	96.2%

Licensee Comments: none

Alert & Notification System

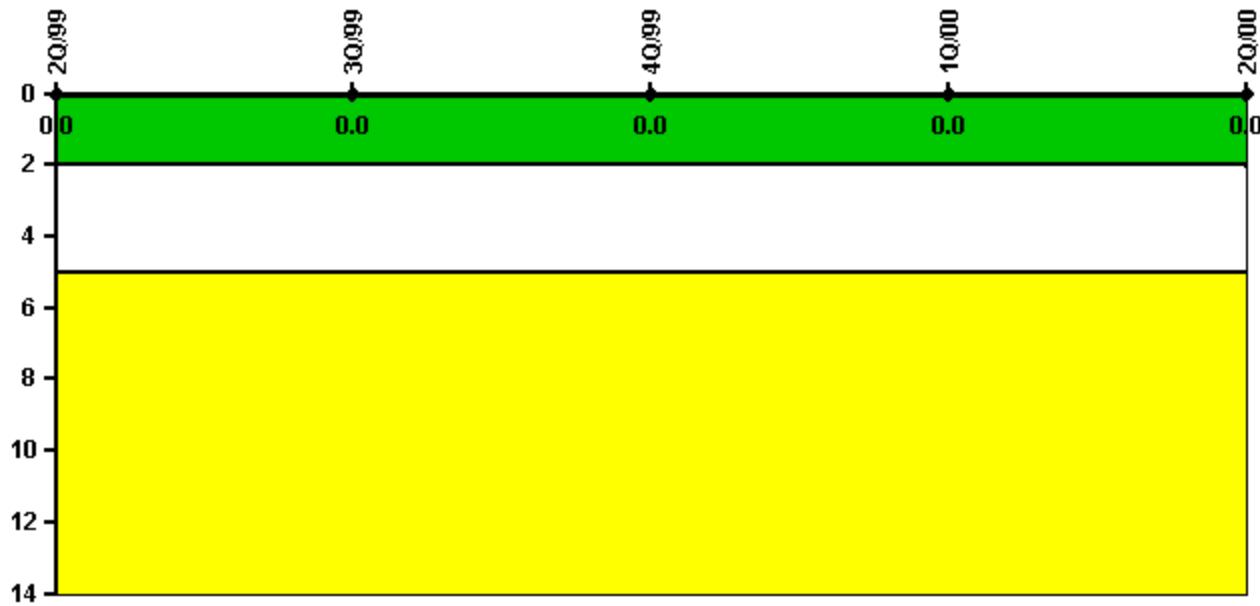


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	741	1066	741	945	856
Total sirens-tests	756	1080	756	972	864
Indicator value	98.7%	98.7%	98.6%	98.0%	98.3%

Licensee Comments: none

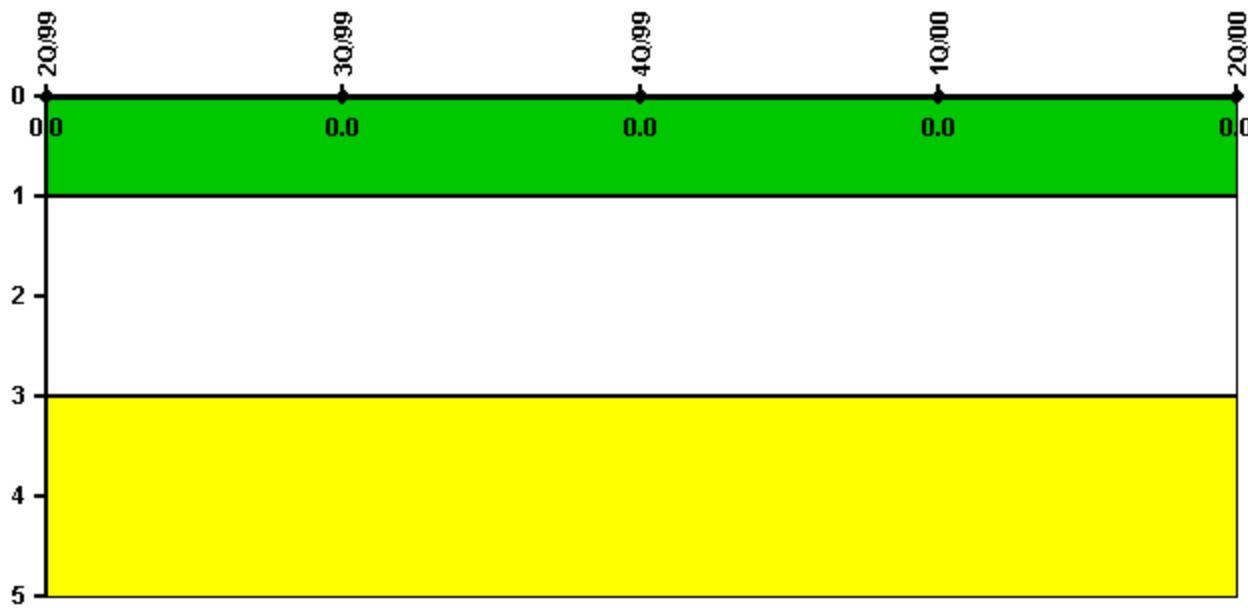
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

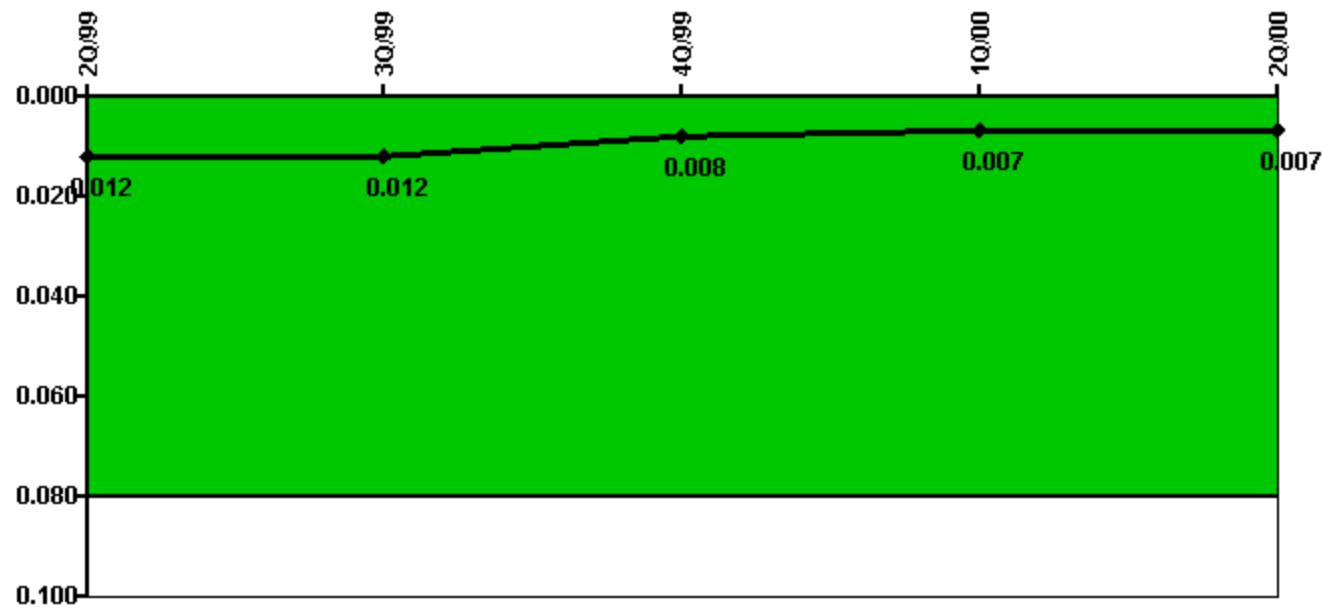
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

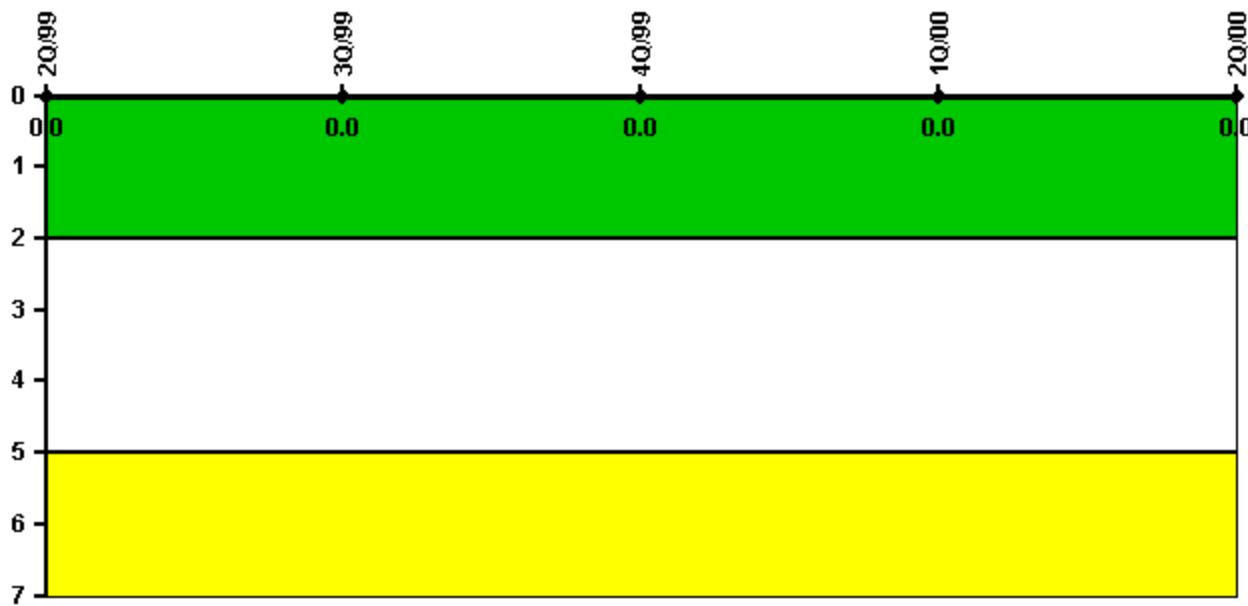
Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	125.77	87.45	87.17	12.40	166.40
CCTV compensatory hours	0	6.4	0	72.9	12.9
IDS normalization factor	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7
Index Value	0.012	0.012	0.008	0.007	0.007

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented on PER00-010268-000.

Personnel Screening Program

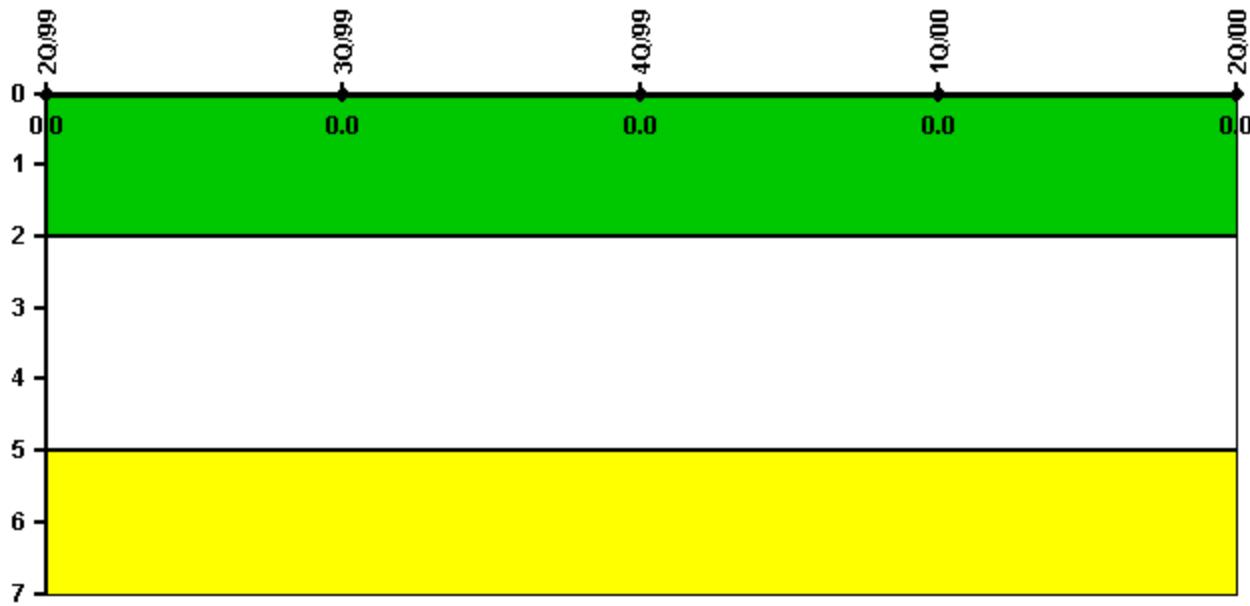


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

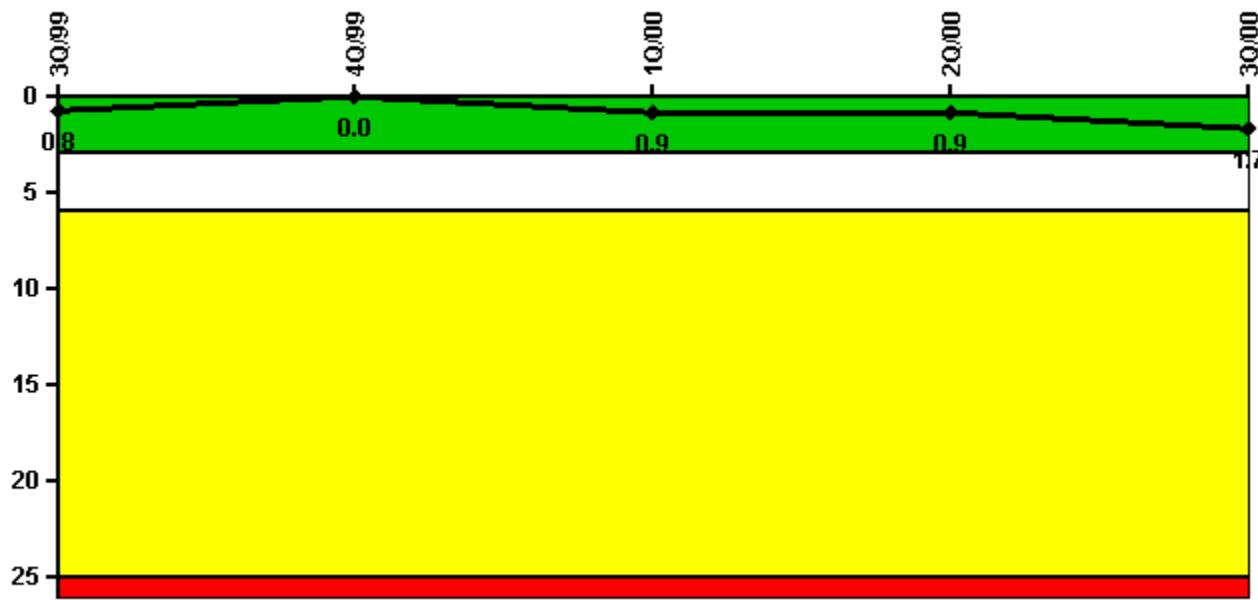


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

Sequoyah 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	1.0
Critical hours	2208.0	2209.0	1600.7	2183.0	2074.6
Indicator value	0.8	0	0.9	0.9	1.7

Licensee Comments: none

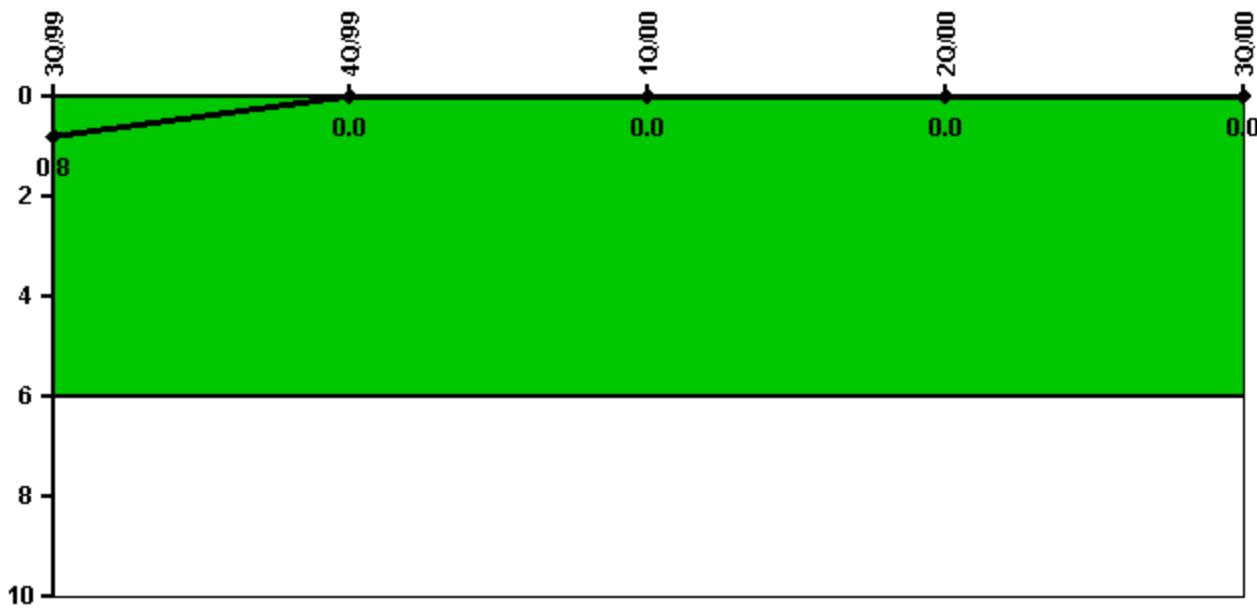
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

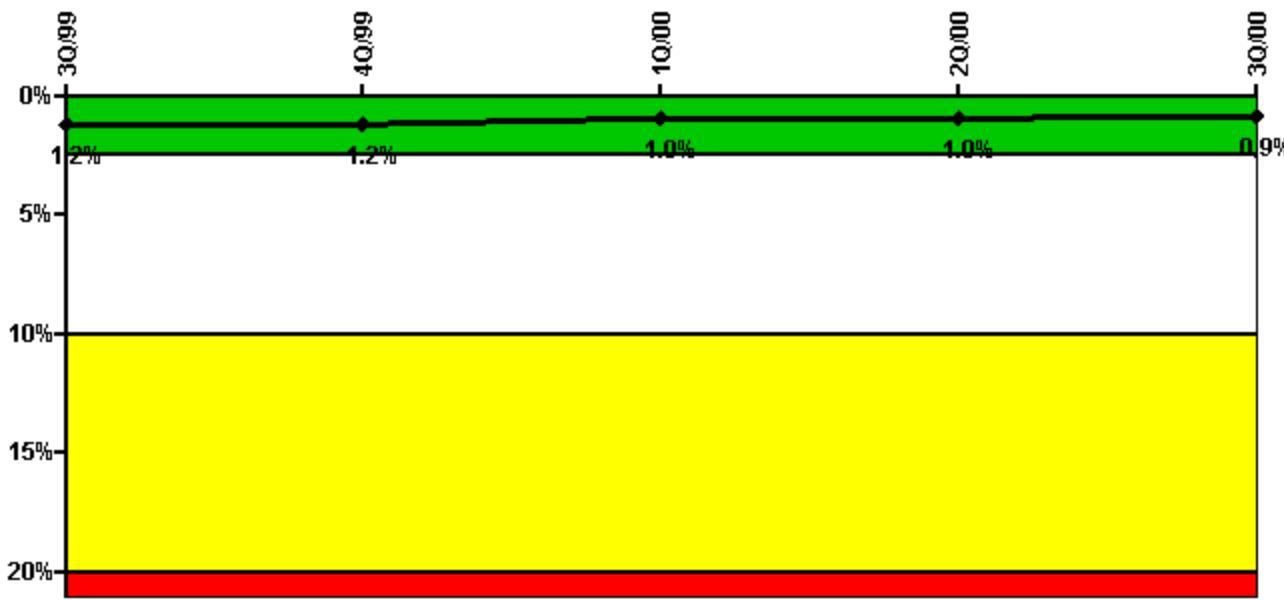
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	1600.7	2183.0	2074.6
Indicator value	0.8	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

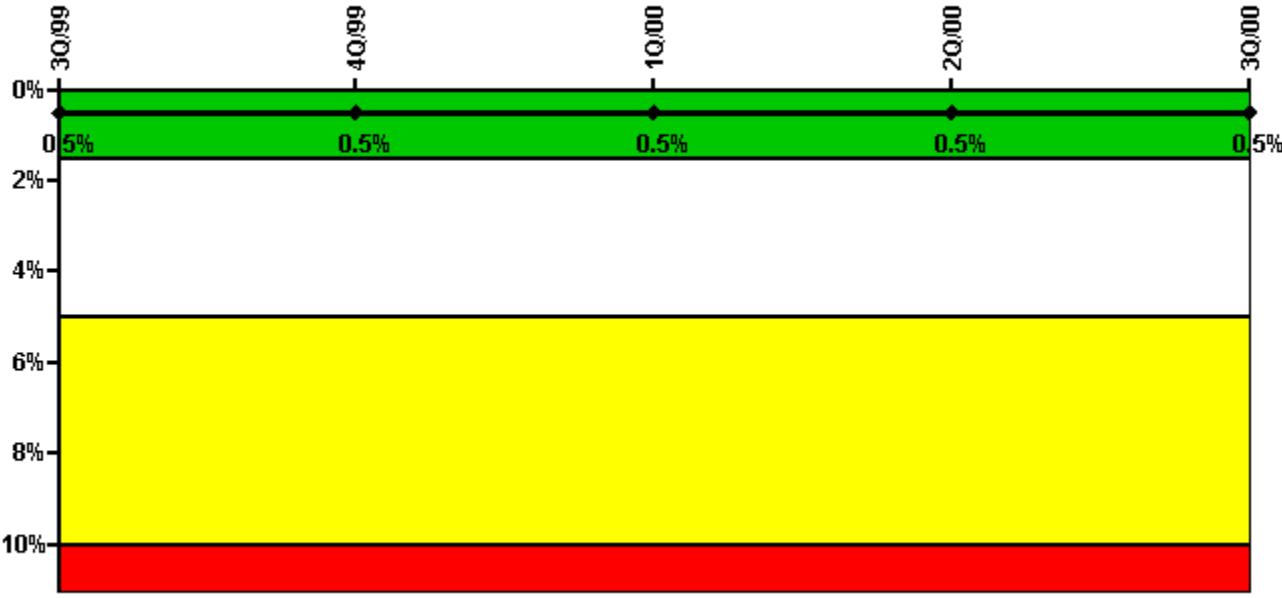
Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	0.50	39.95	1.65	9.47
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	0	1.60	2.73	134.92	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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	0	0	38.47	1.90	2.78
Unplanned unavailable hours	0.80	4.90	0	0	0
Fault exposure hours	6.00	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 4					
Planned unavailable hours	46.20	2.72	2.17	5.43	4.52
Unplanned unavailable hours	0.40	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.2%	1.2%	1.0%	1.0%	0.9%

Licensee Comments:

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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	0.70	6.20	13.50	10.30	3.60
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	2208.00	2209.00	1805.00	2183.00	2118.10
Train 2					
Planned unavailable hours	16.70	0.80	3.10	14.00	2.90
Unplanned unavailable hours	14.50	0	0	0	0
Fault exposure hours	6.00	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1805.00	2183.00	2118.10
Train 3					
Planned unavailable hours	10.60	5.70	3.40	5.40	4.70
Unplanned unavailable hours	6.10	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1676.40	2183.00	2084.40

Train 4					
Planned unavailable hours	9.20	6.20	2.00	8.20	3.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1676.40	2183.00	2084.40
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments:

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

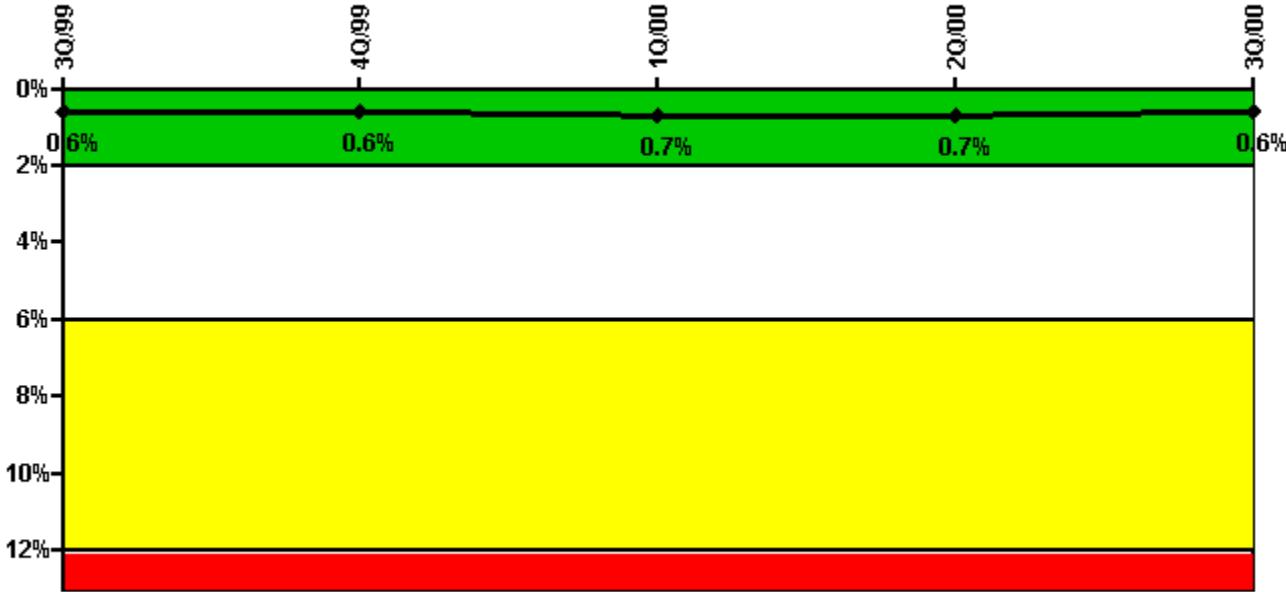
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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	8.40	7.80	9.20	12.75	2.92
Unplanned unavailable hours	0	0	0	1.02	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1661.17	2183.00	2084.40
Train 2					
Planned unavailable hours	4.00	6.00	3.15	19.97	2.29
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1670.70	2183.00	2118.10
Train 3					
Planned unavailable hours	7.70	20.50	31.60	8.60	2.32
Unplanned unavailable hours	15.80	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1619.90	2183.00	2084.40
Indicator value	0.6%	0.6%	0.7%	0.7%	0.6%

Licensee Comments:

3Q/00: July00 Train 1 changed to include testing unavailability.

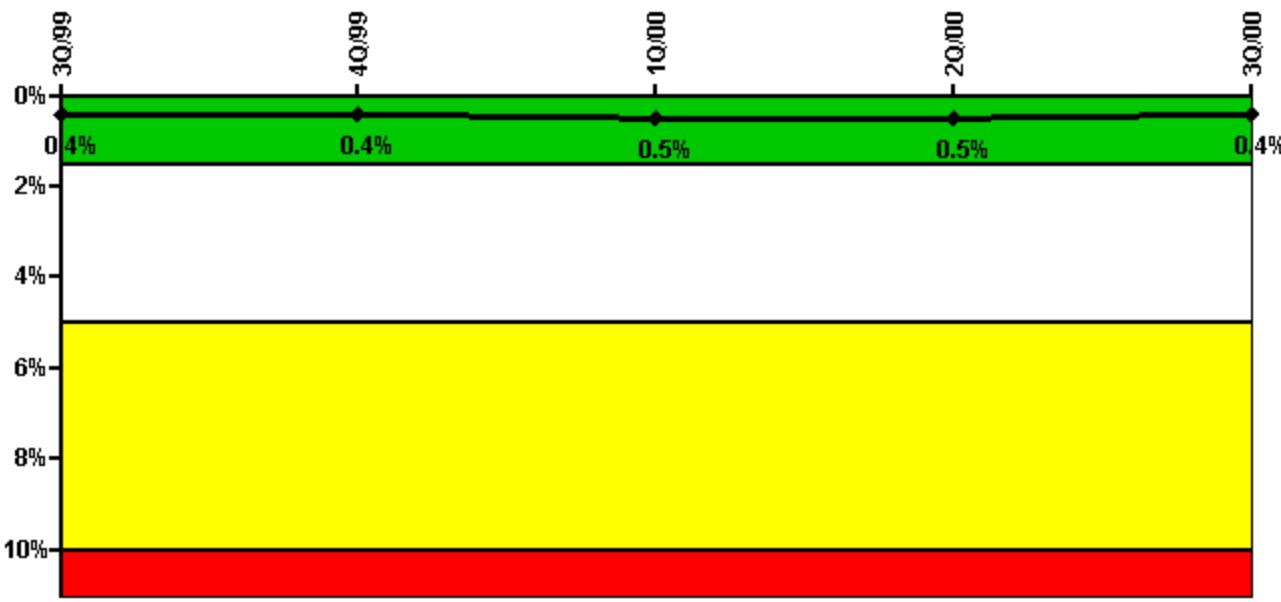
3Q/00: 1)July00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: May00 Train 1 revised to include testing unavailability.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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	2.30	1.80	15.40	2.10	3.00
Unplanned unavailable hours	6.10	0	0	0	2.10
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2094.80	2183.00	2208.00
Train 2					
Planned unavailable hours	1.10	2.50	16.00	9.40	1.70
Unplanned unavailable hours	0	0	0	0	2.10
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2094.80	2183.00	2208.00
Indicator value	0.4%	0.4%	0.5%	0.5%	0.4%

Licensee Comments:

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

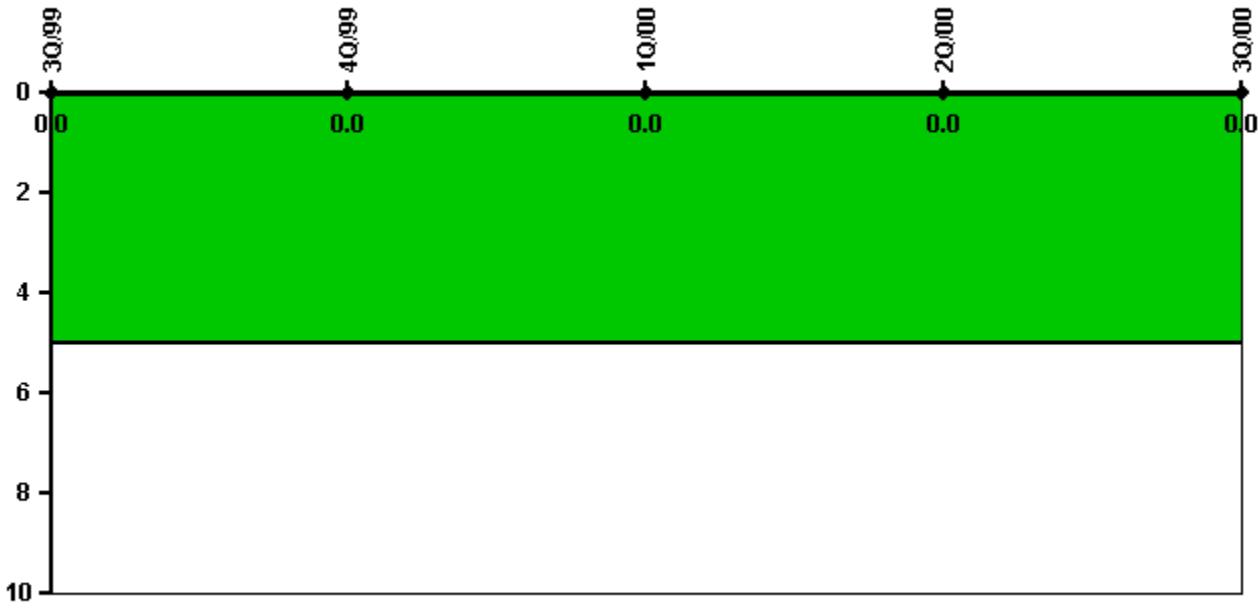
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



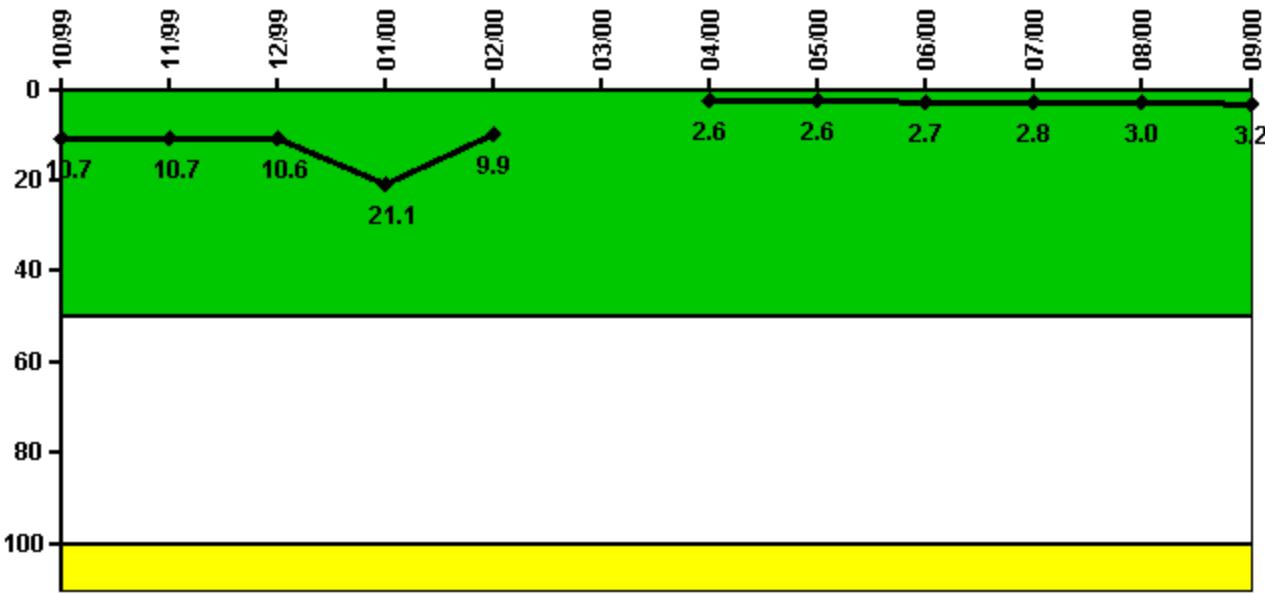
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

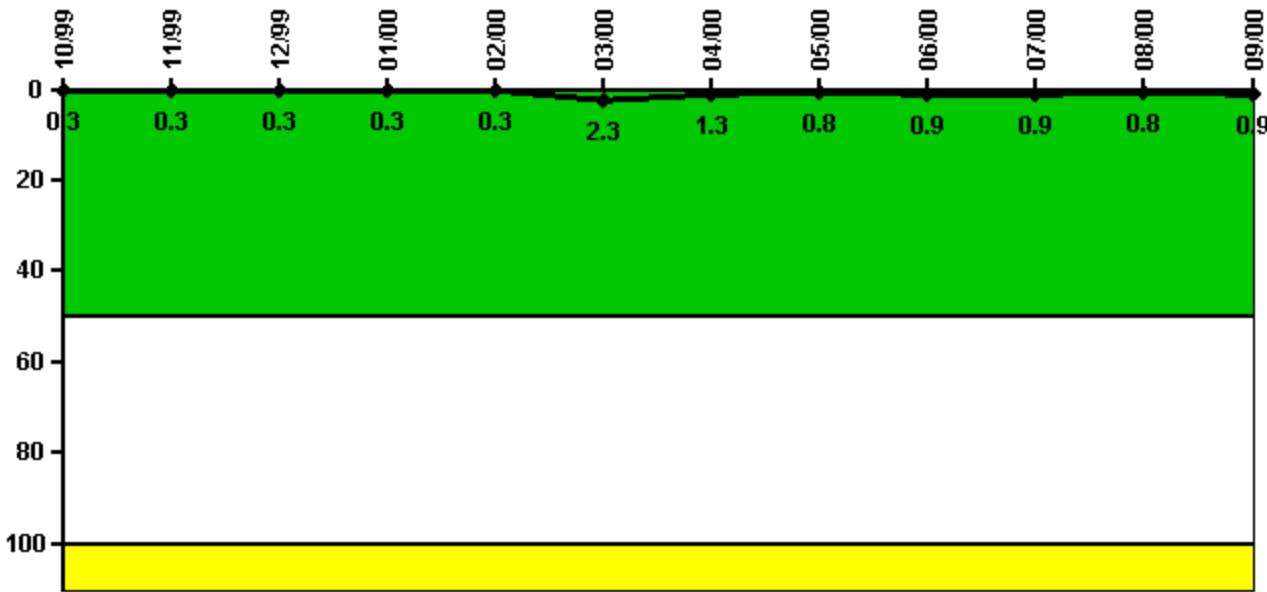
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.037600	0.037400	0.037200	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.7	10.7	10.6	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2

Licensee Comments:

9/00: The RCS activity PI is based on the tech spec dose equivalent iodine value of 0.35. SQN is currently administratively controlling the limit to 0.25 pending final resolution of a non-conformance.

Reactor Coolant System Leakage



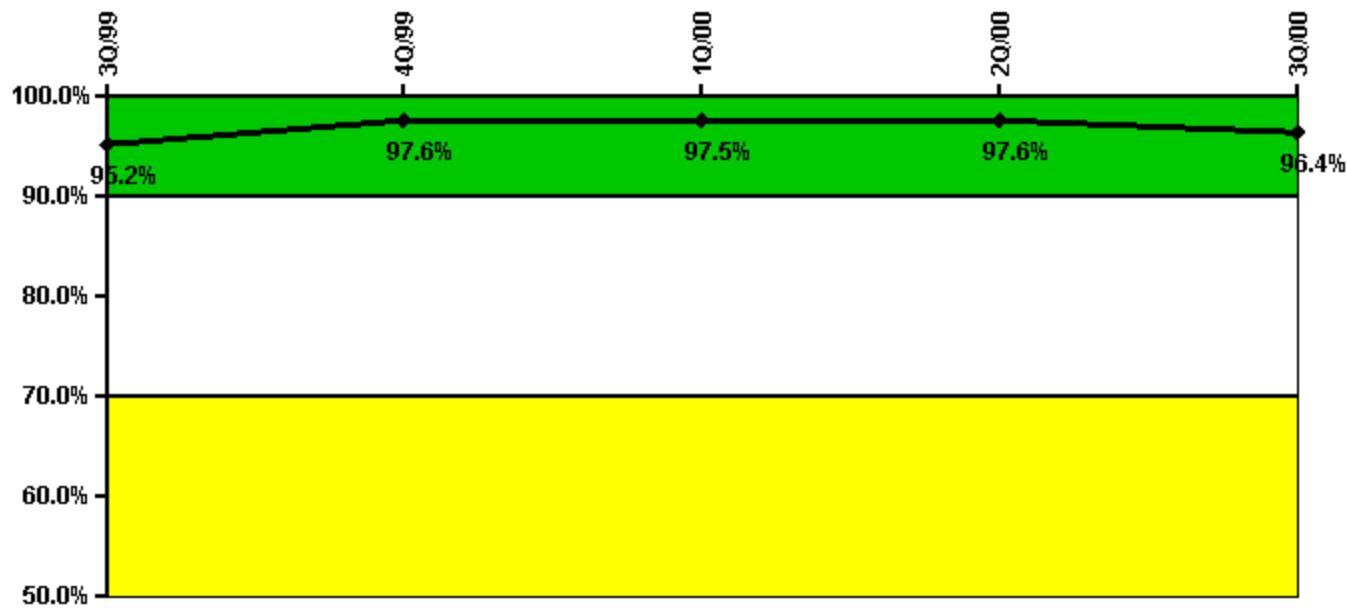
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.030	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

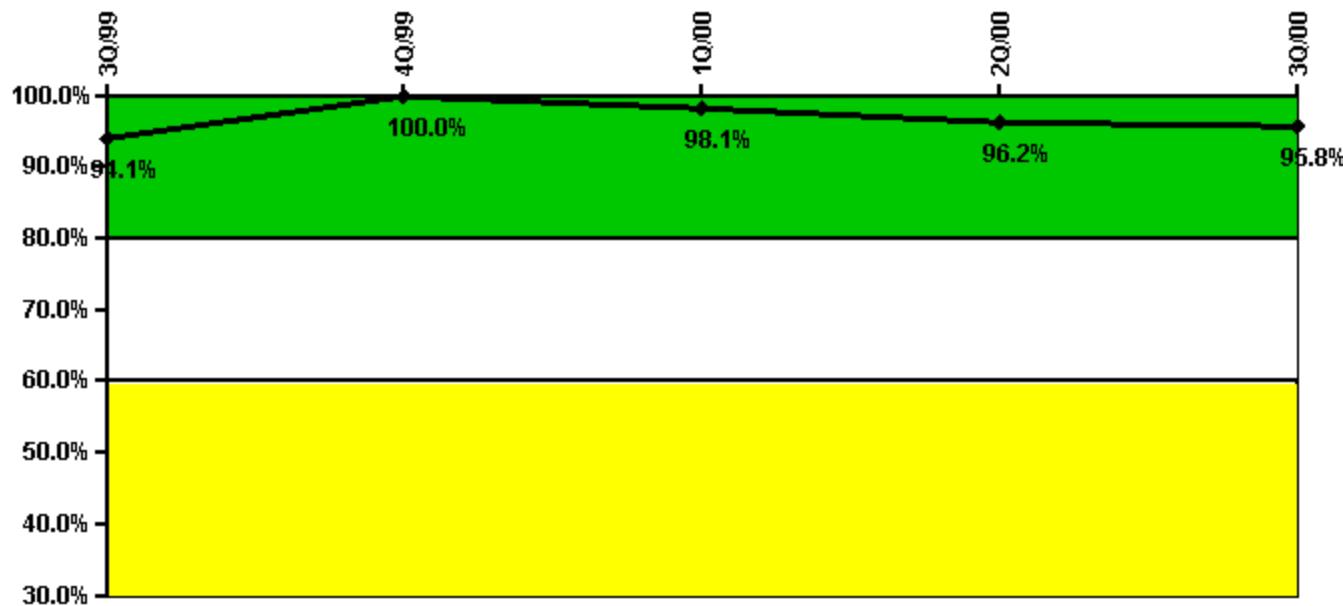
Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	9.0	34.0	0	8.0	23.0
Total opportunities	10.0	34.0	0	8.0	25.0
Indicator value	95.2%	97.6%	97.5%	97.6%	96.4%

Licensee Comments:

3Q/00: An investigation of the September 26, 2000 NOUE is being performed to determine if a notification to the state is required when an event classification is made without a declaration. This item is being tracked in the Sequoyah Corrective Action Program (reference SQN PER 00-008706-000).

2Q/00: The original monthly data was incorrectly entered as the value of the quarter's sum to date as opposed to the individual monthly value. This is documented in SQN PER 00-006447-000.

ERO Drill Participation



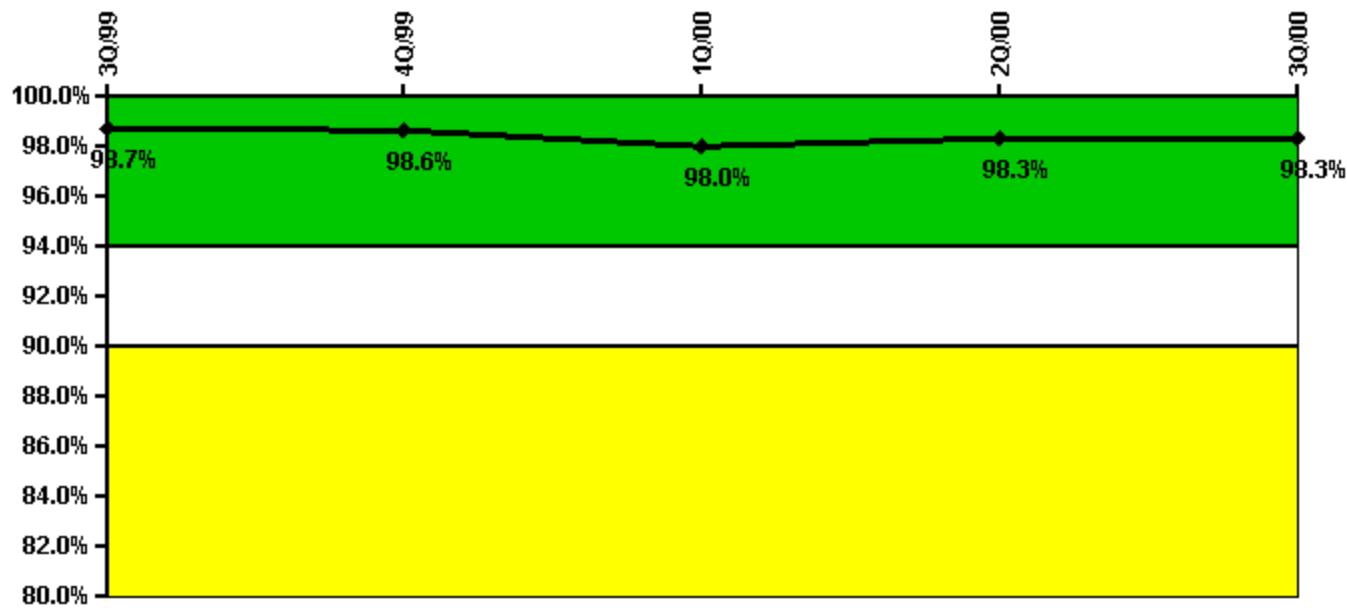
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	80.0	54.0	52.0	50.0	46.0
Total Key personnel	85.0	54.0	53.0	52.0	48.0
Indicator value	94.1%	100.0%	98.1%	96.2%	95.8%

Licensee Comments: none

Alert & Notification System

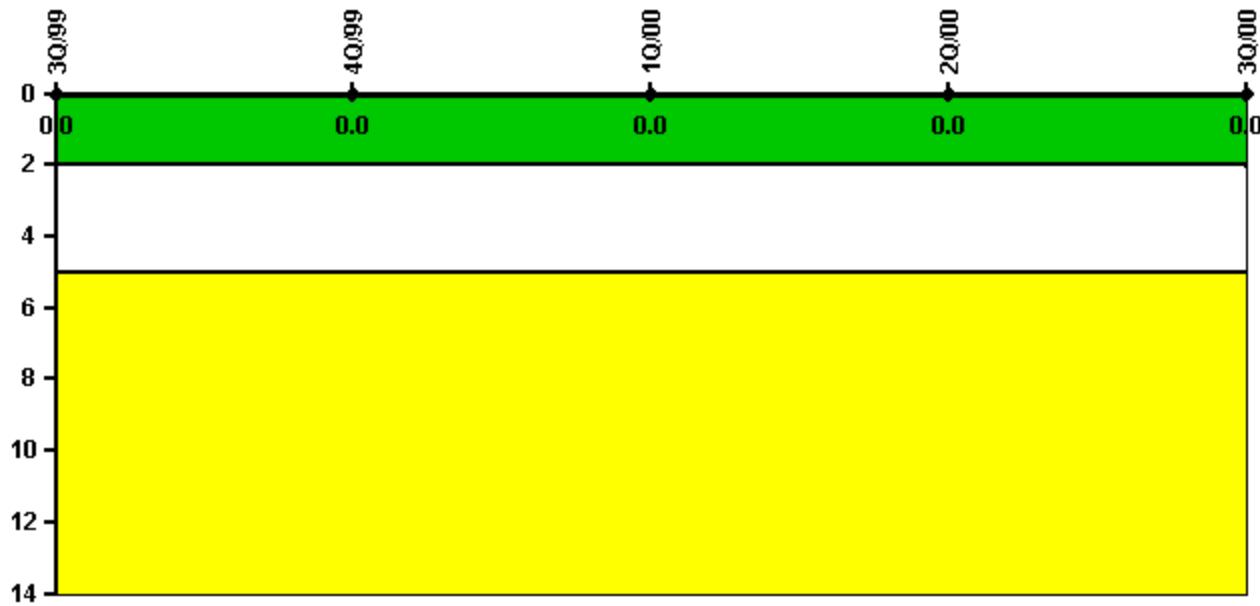


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	1066	741	945	856	963
Total sirens-tests	1080	756	972	864	972
Indicator value	98.7%	98.6%	98.0%	98.3%	98.3%

Licensee Comments: none

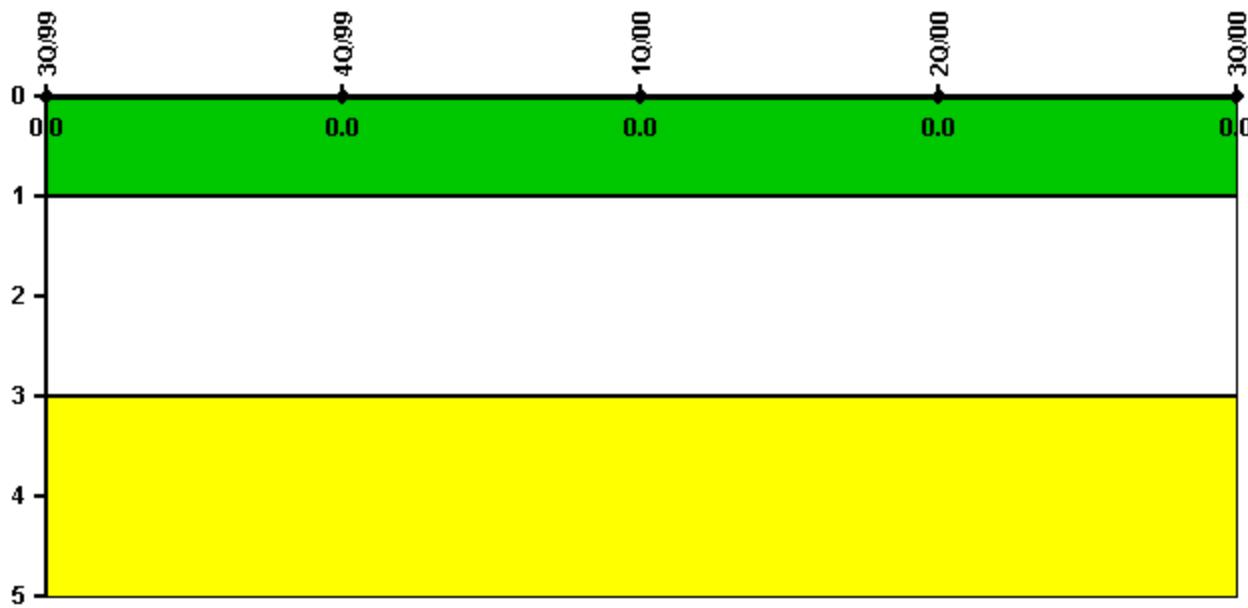
Occupational Exposure Control Effectiveness

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

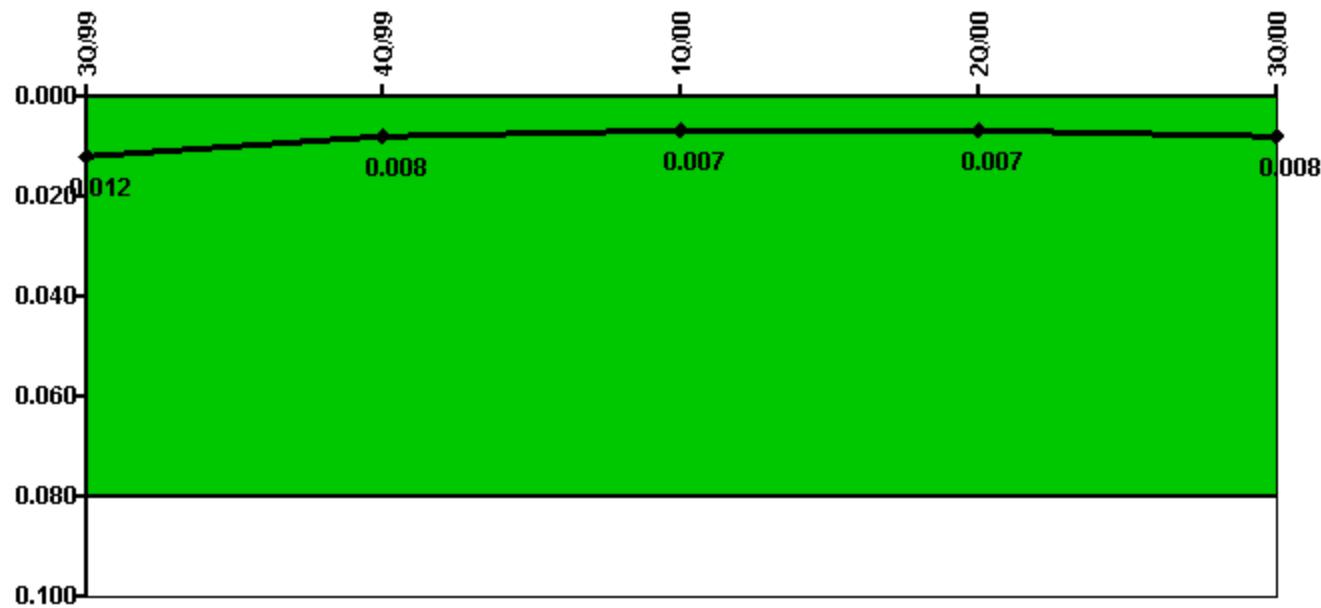
Thresholds: White > 1.0 Yellow > 3.0

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

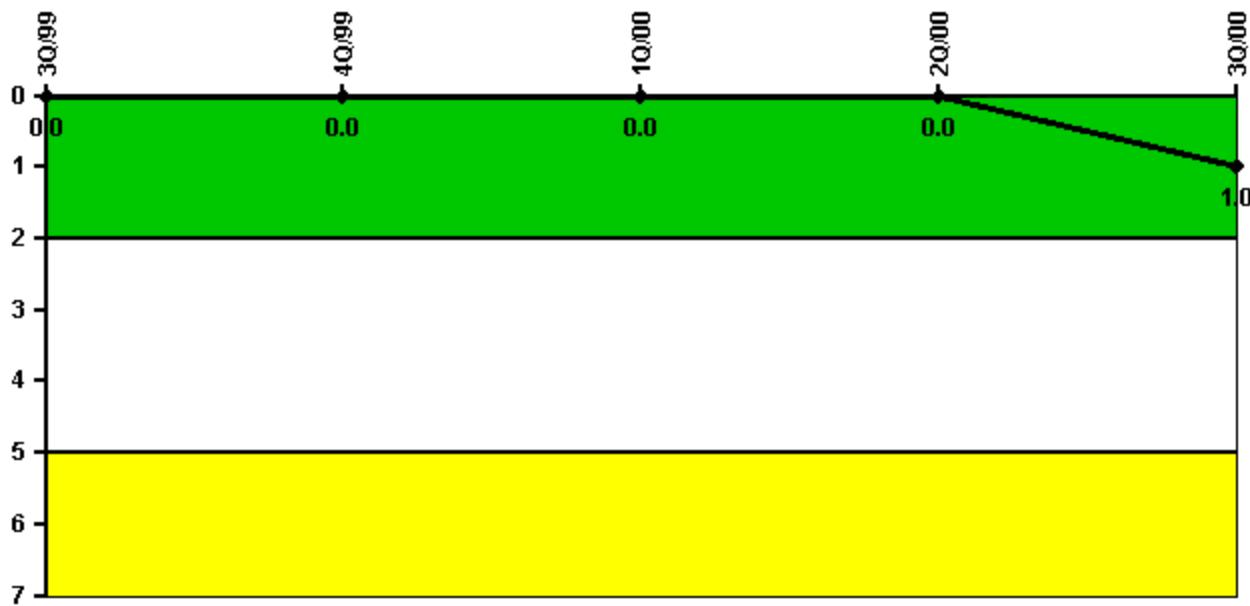
Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	87.45	87.17	12.40	166.40	117.21
CCTV compensatory hours	6.4	0	72.9	12.9	1.3
IDS normalization factor	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7
Index Value	0.012	0.008	0.007	0.007	0.008

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented on PER00-010268-000.

Personnel Screening Program

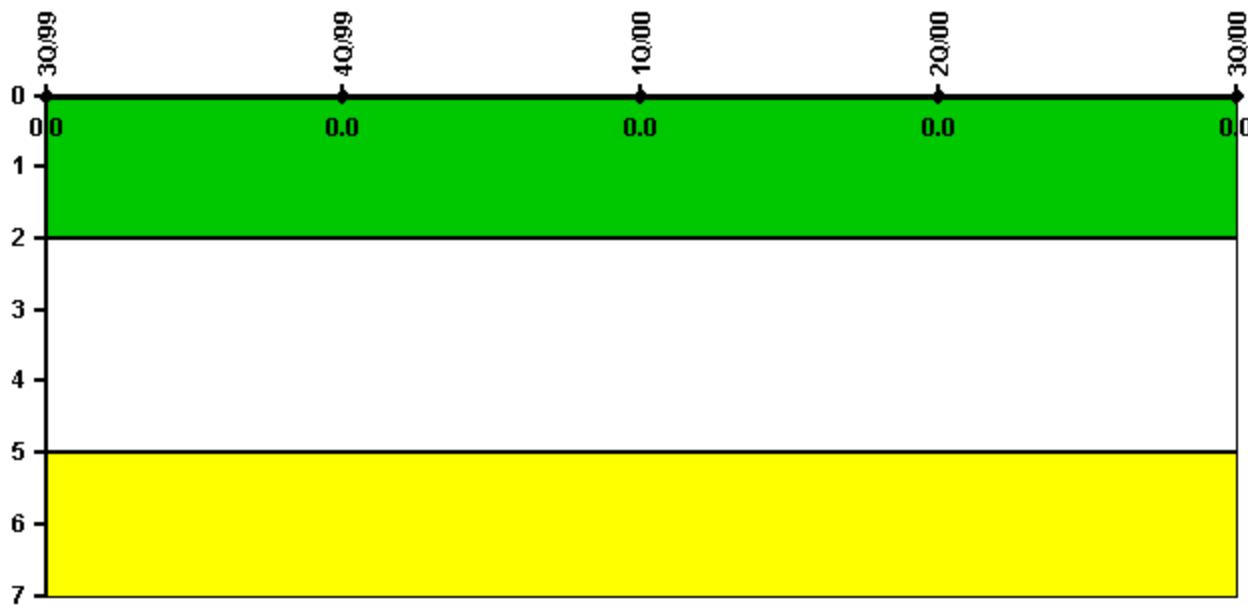


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

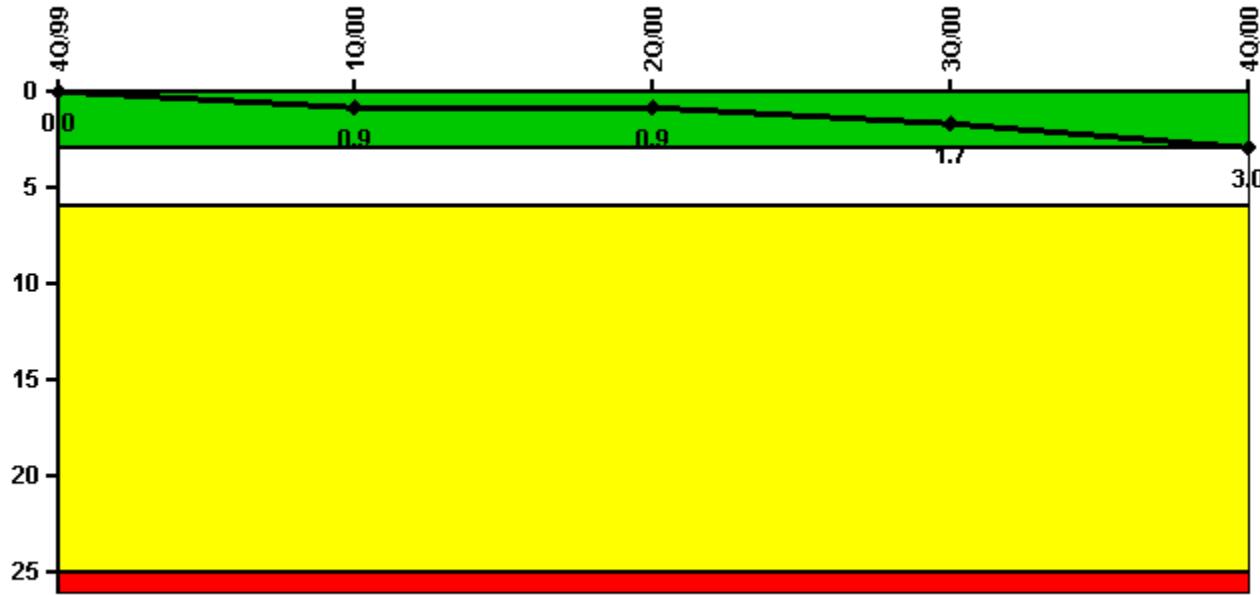


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 29, 2002

Sequoyah 1**4Q/2000 Performance Indicators**

Licensee's General Comments: Number of unplanned scrams and unplanned power reductions have been revised

Unplanned Scrams per 7000 Critical Hrs

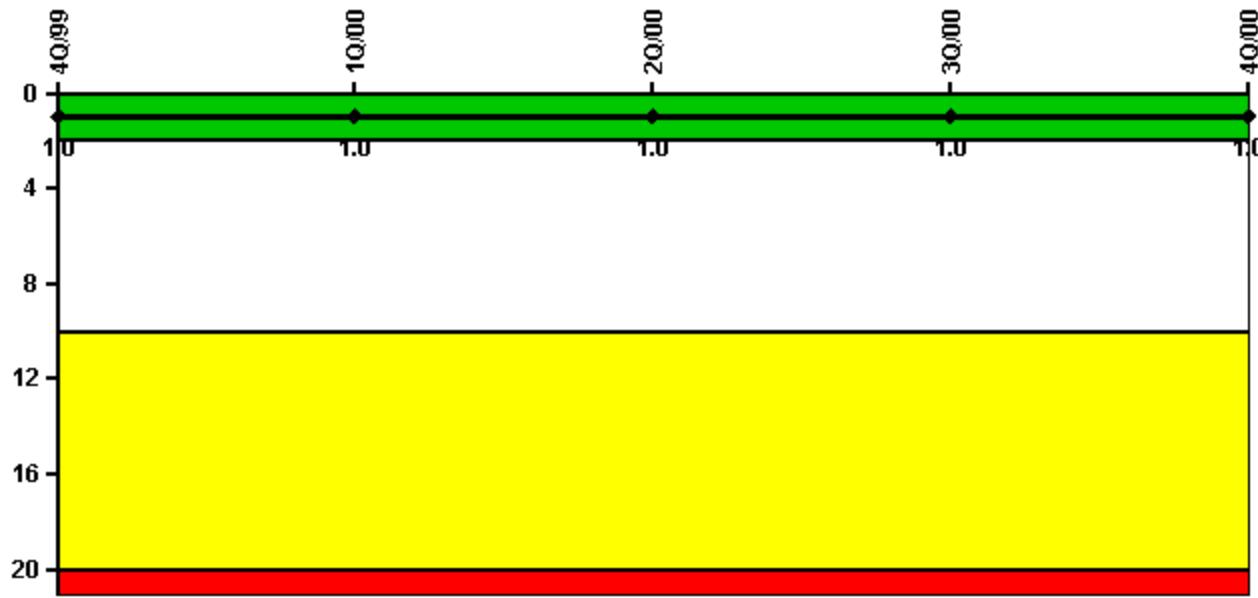
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	1.0	0	1.0	1.0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1
Indicator value	0	0.9	0.9	1.7	3.0

Licensee Comments:

4Q/00: This correction is based on the disposition of a proposed FAQ reviewed by the NRC and NEI Task Forces on 3/2/01.

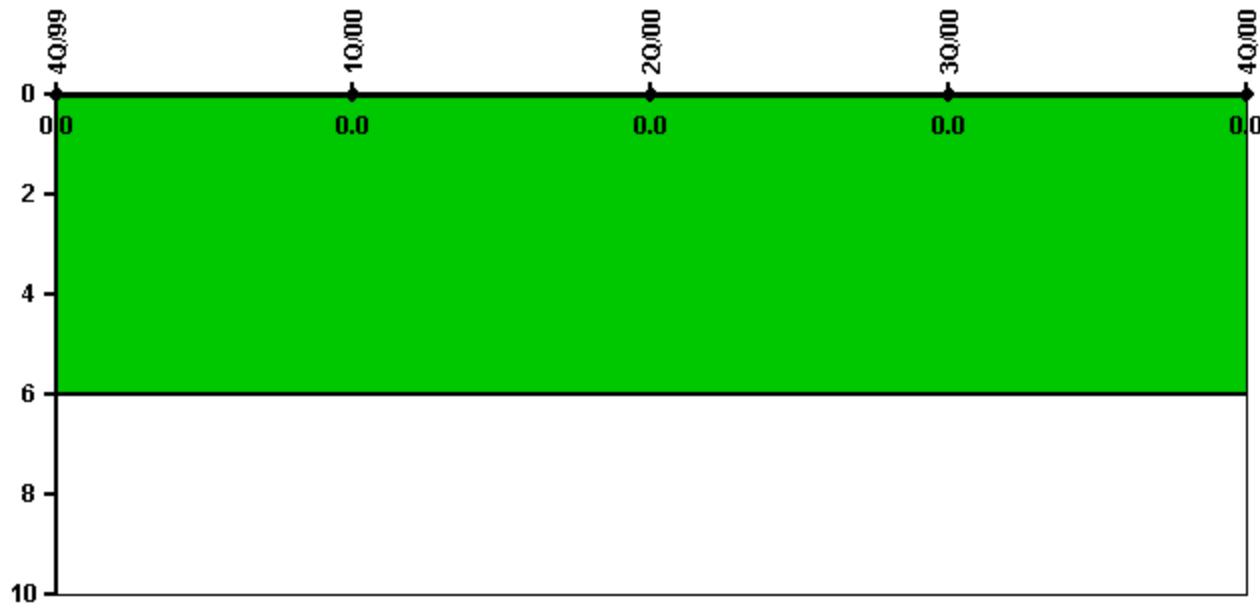
Scrams with Loss of Normal Heat Removal

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	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

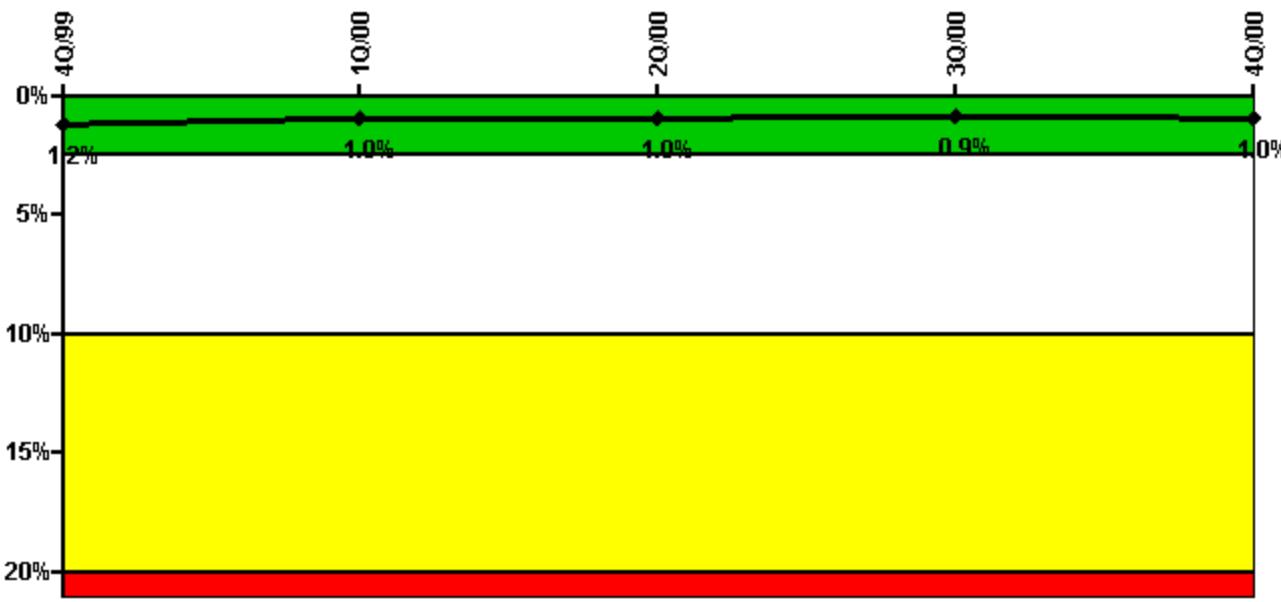
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1
Indicator value	0	0	0	0	0

Licensee Comments:

4Q/00: This correction is based on the disposition of a proposed FAQ reviewed by the NRC and NEI Task Forces on 3/2/01.

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0.50	39.95	1.65	9.47	17.92
Unplanned unavailable hours	0	0	0	0	3.77
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	1.60	2.73	134.92	2.20	6.15
Unplanned unavailable hours	0	0	0	0	14.53
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 3					
Planned unavailable hours	0	38.47	1.90	2.78	13.10
Unplanned unavailable hours	4.90	0	0	0	24.53
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 4					
Planned unavailable hours	2.72	2.17	5.43	4.52	10.50
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	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.0%	1.0%	0.9%	1.0%

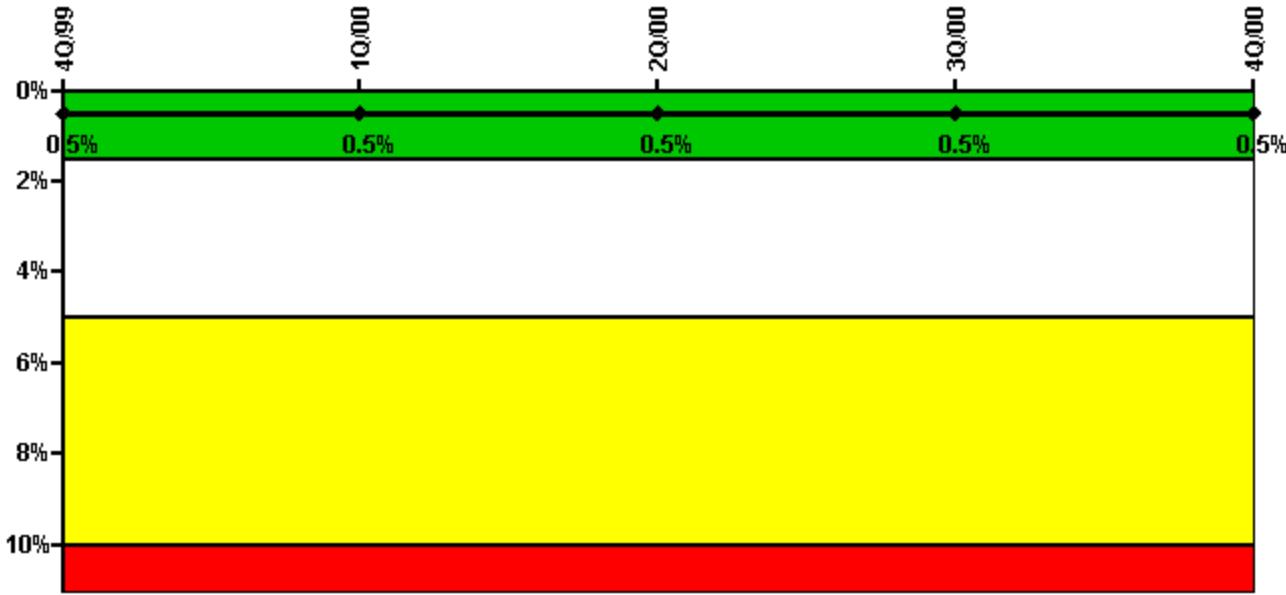
Licensee Comments:

4Q/00: All unplanned hrs for DEC00 were changed to planned hrs based review for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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		6.20	13.50	10.30	3.60	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		2209.00	1805.00	2183.00	2118.10	1415.90
Train 2						
Planned unavailable hours		0.80	3.10	14.00	2.90	17.90
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	1805.00	2183.00	2118.10	1415.90
Train 3						
Planned unavailable hours		5.70	3.40	5.40	4.70	2.00
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0

Required hours	2209.00	1676.40	2183.00	2084.40	1322.90
Train 4					
Planned unavailable hours	6.20	2.00	8.20	3.30	2.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1676.40	2183.00	2084.40	1322.90
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments:

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 and train 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

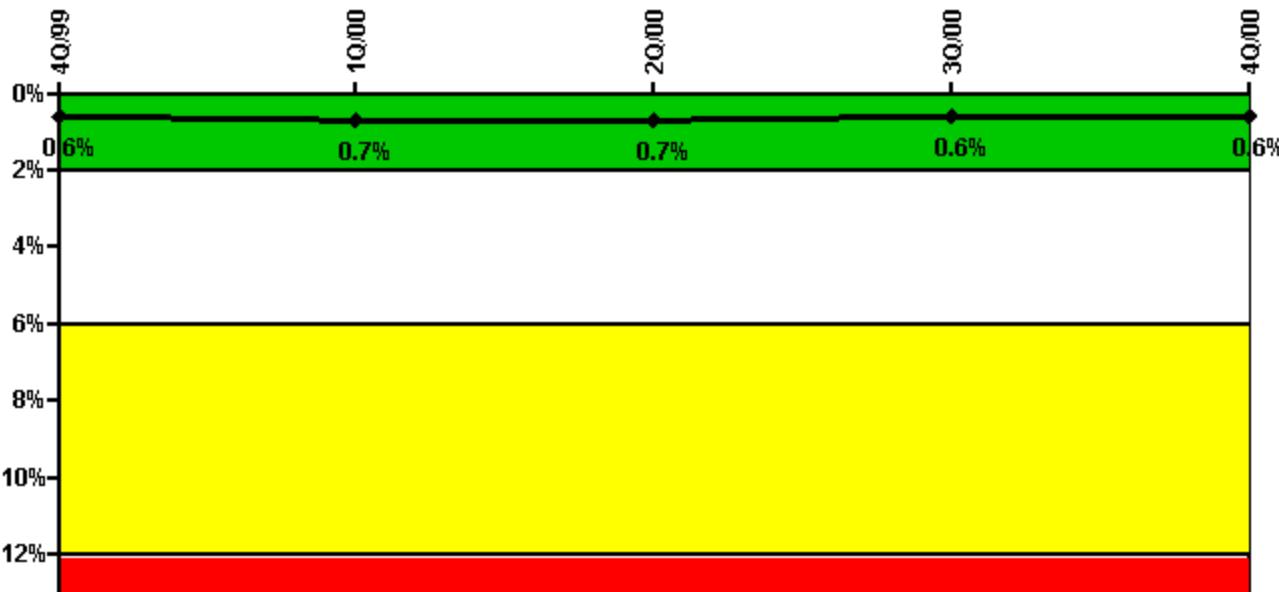
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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	7.80	9.20	12.75	2.92	0
Unplanned unavailable hours	0	0	1.02	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1661.17	2183.00	2084.40	1322.90
Train 2					
Planned unavailable hours	6.00	3.15	19.97	2.29	2.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1670.70	2183.00	2118.10	1362.10
Train 3					
Planned unavailable hours	20.50	31.60	8.60	2.32	1.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1619.90	2183.00	2084.40	1274.90
Indicator value	0.6%	0.7%	0.7%	0.6%	0.6%

Licensee Comments:

4Q/00: DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: July00 Train 1 changed to include testing unavailability.

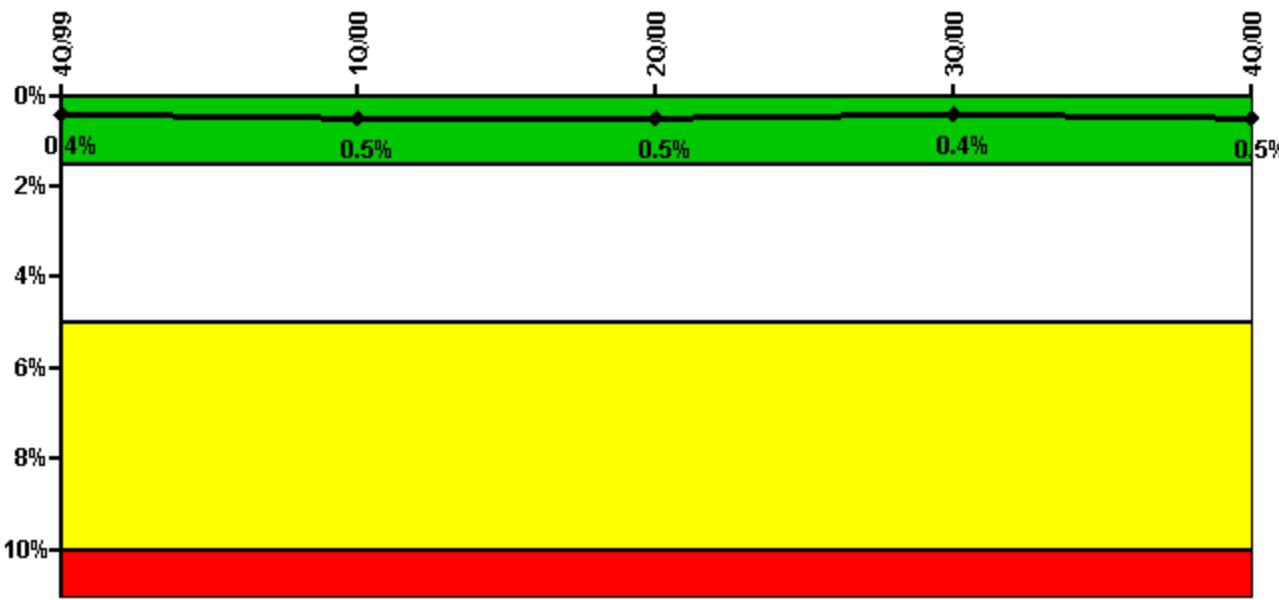
3Q/00: 1)July00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: May00 Train 1 revised to include testing unavailability.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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	1.80	15.40	2.10	3.00	13.00
Unplanned unavailable hours	0	0	0	2.10	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2094.80	2183.00	2208.00	2208.00
Train 2					
Planned unavailable hours	2.50	16.00	9.40	1.70	7.10
Unplanned unavailable hours	0	0	0	2.10	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2094.80	2183.00	2208.00	2208.00
Indicator value	0.4%	0.5%	0.5%	0.4%	0.5%

Licensee Comments:

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 was revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

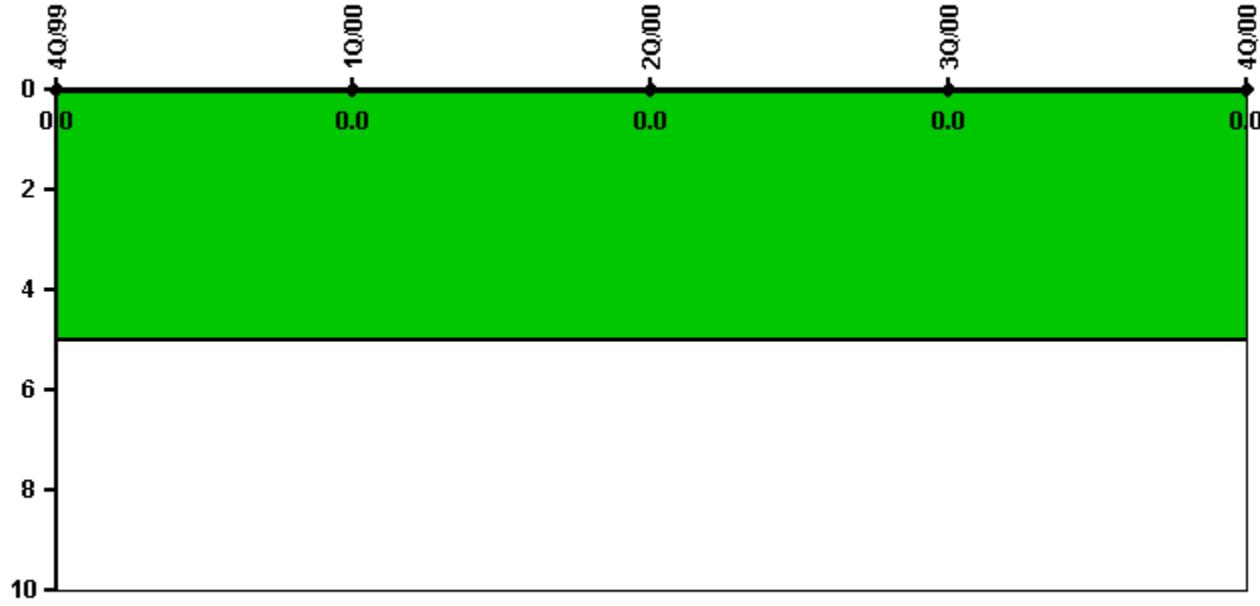
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



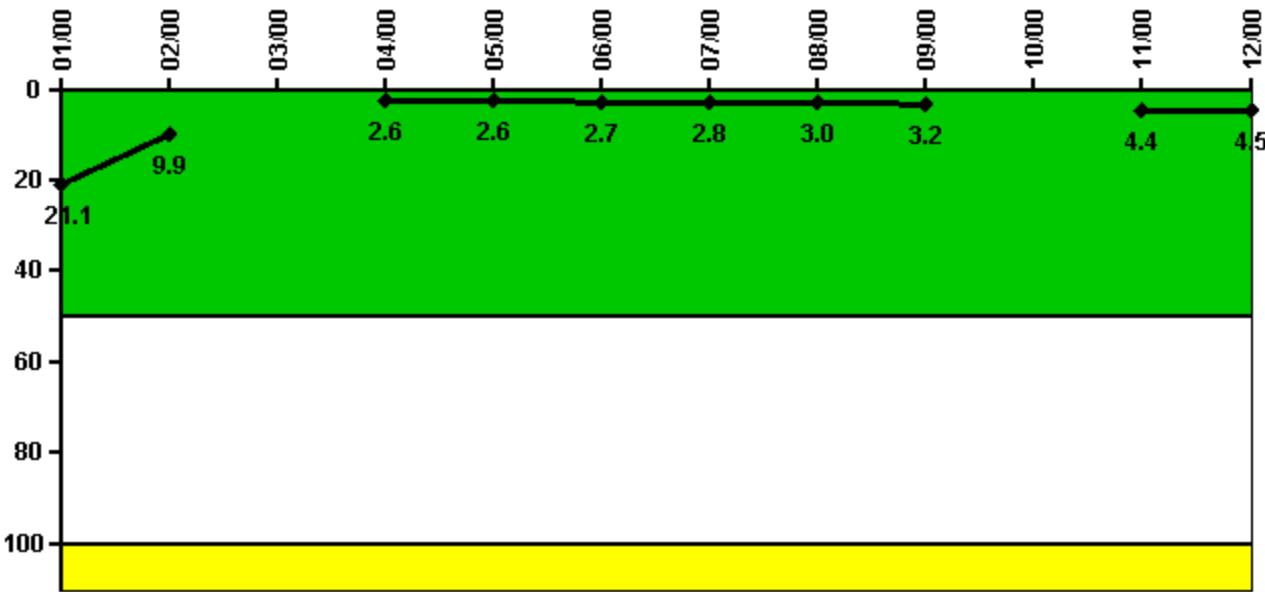
Thresholds: White > 5.0

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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

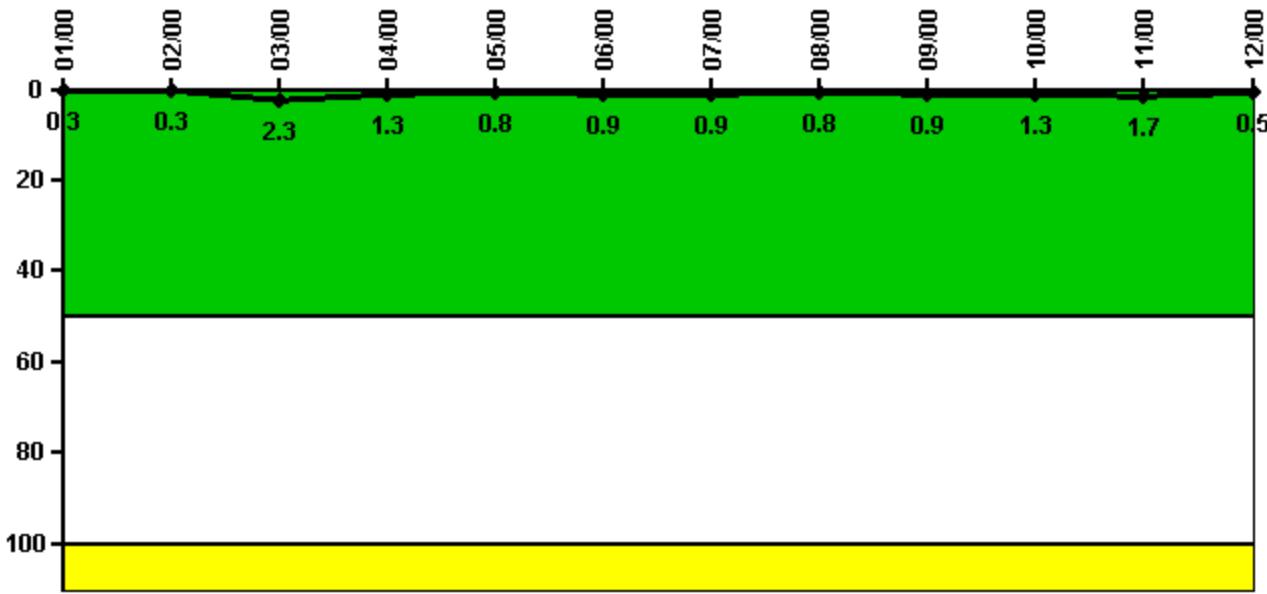
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100	N/A	0.011000	0.011200
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Indicator value	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2	N/A	4.4	4.5

Licensee Comments:

12/00: Unit 1 was in a forced outage. The RCS activity tech spec dose equivalent iodine value is 0.35. SQN is currently administratively controlling the limit to 0.25 and the PI is calculated using that value.

Reactor Coolant System Leakage

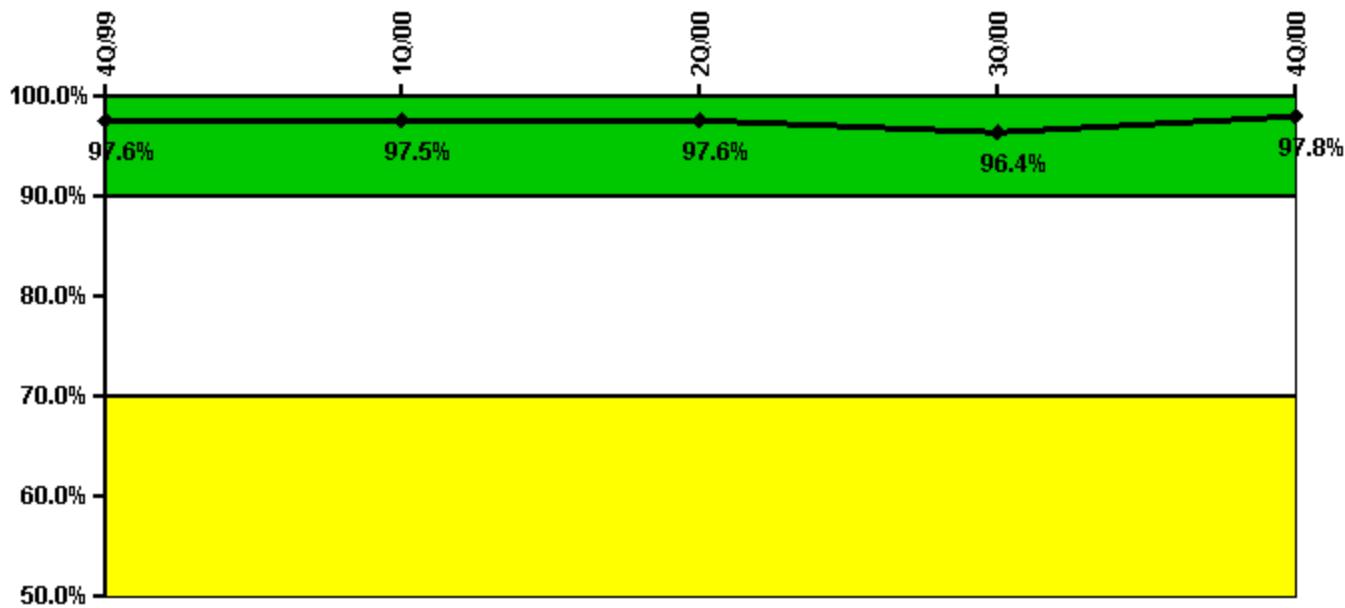


Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090	0.130	0.170	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9	1.3	1.7	0.5

Licensee Comments: none

Drill/Exercise Performance

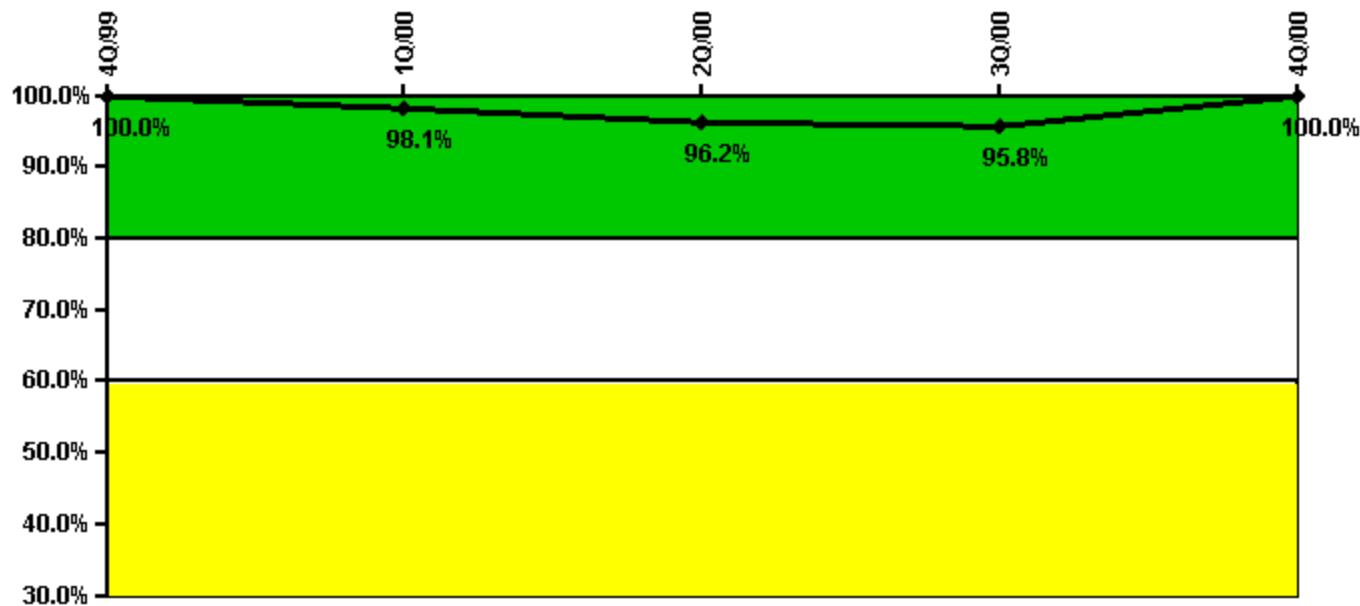
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	34.0	0	8.0	23.0	38.0
Total opportunities	34.0	0	8.0	25.0	38.0
Indicator value	97.6%	97.5%	97.6%	96.4%	97.8%

Licensee Comments: none

ERO Drill Participation



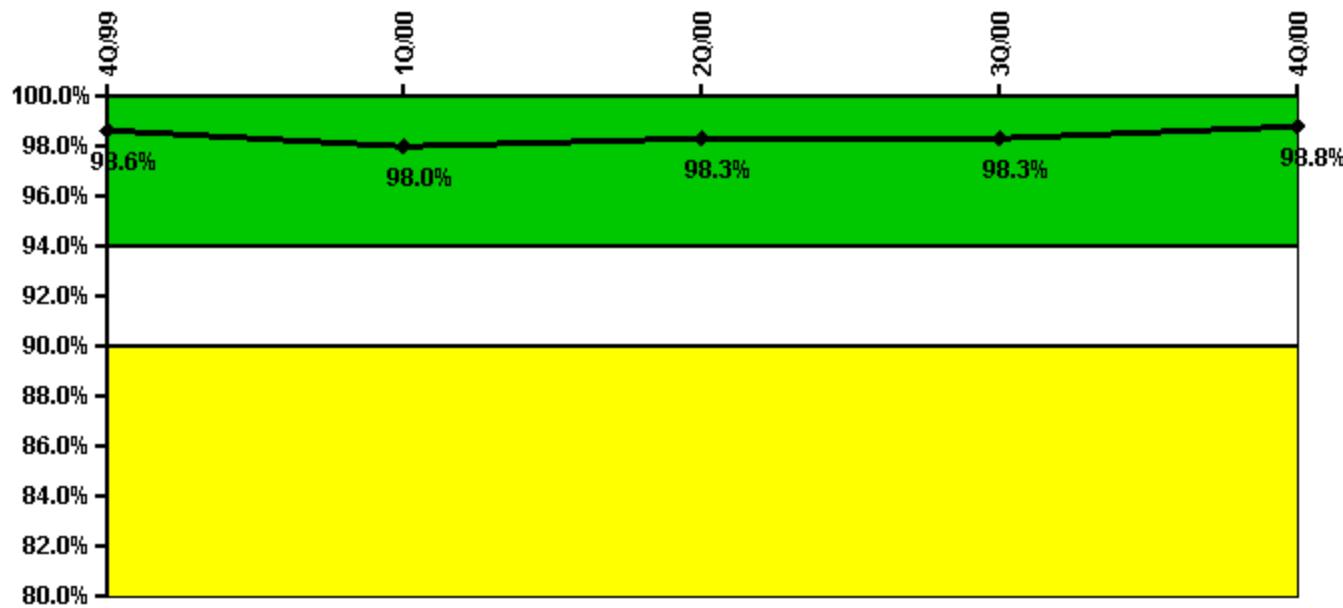
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	54.0	52.0	50.0	46.0	47.0
Total Key personnel	54.0	53.0	52.0	48.0	47.0
Indicator value	100.0%	98.1%	96.2%	95.8%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	741	945	856	963	863
Total sirens-tests	756	972	864	972	864
Indicator value	98.6%	98.0%	98.3%	98.3%	98.8%

Licensee Comments: none

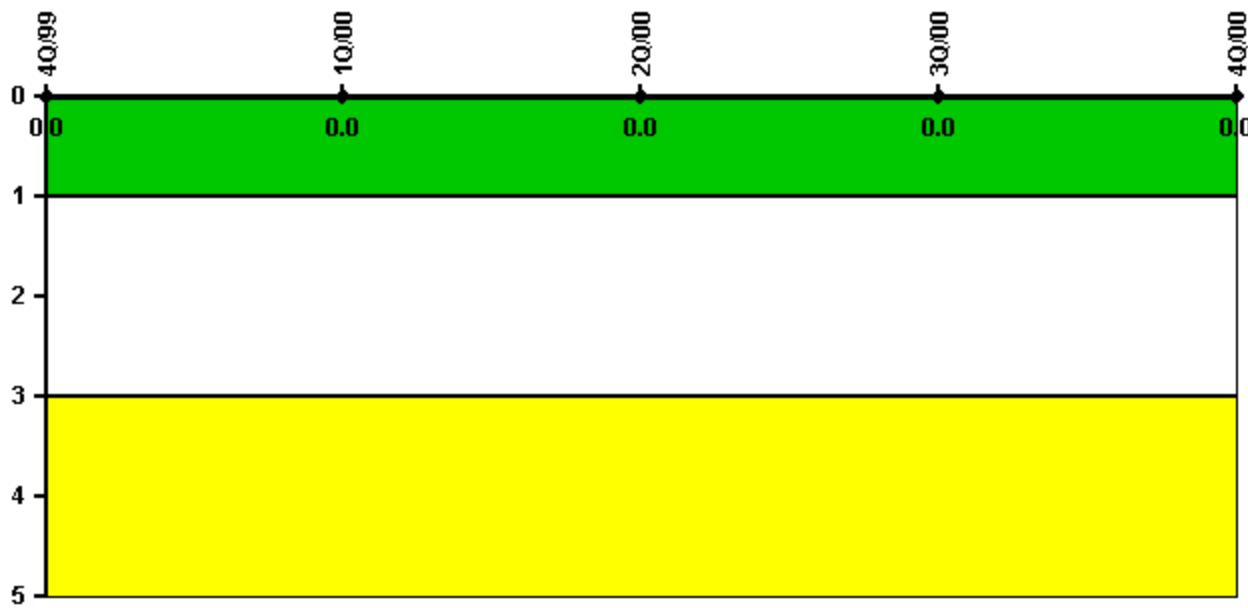
Occupational Exposure Control Effectiveness

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

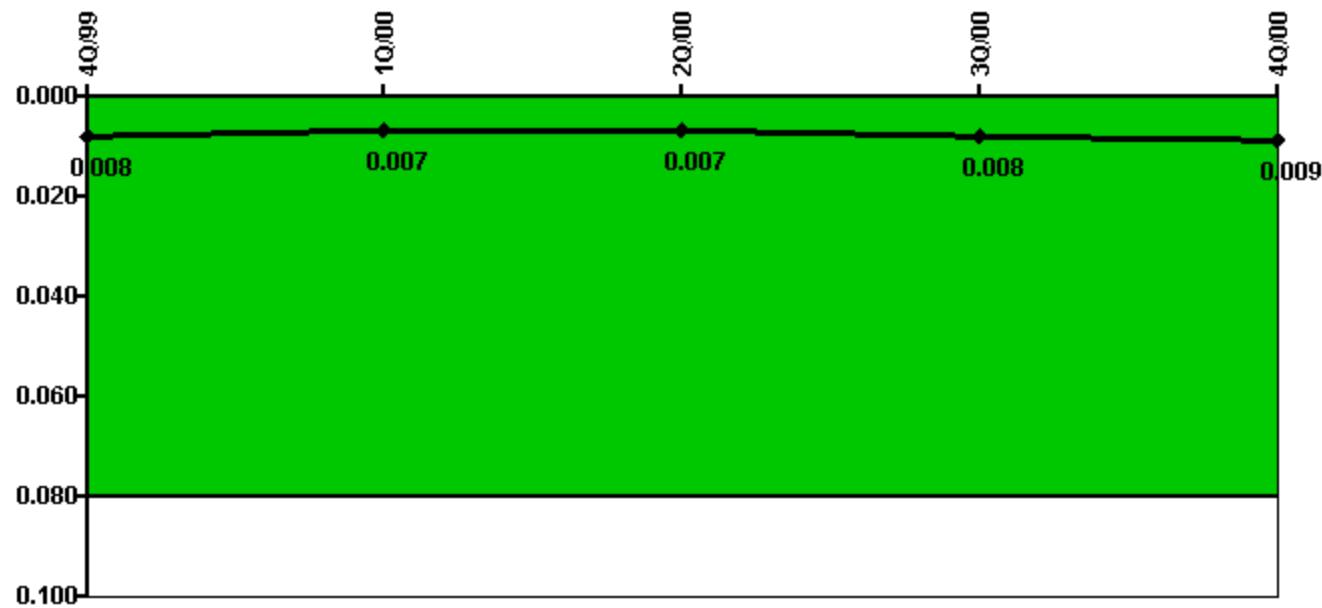
Thresholds: White > 1.0 Yellow > 3.0

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

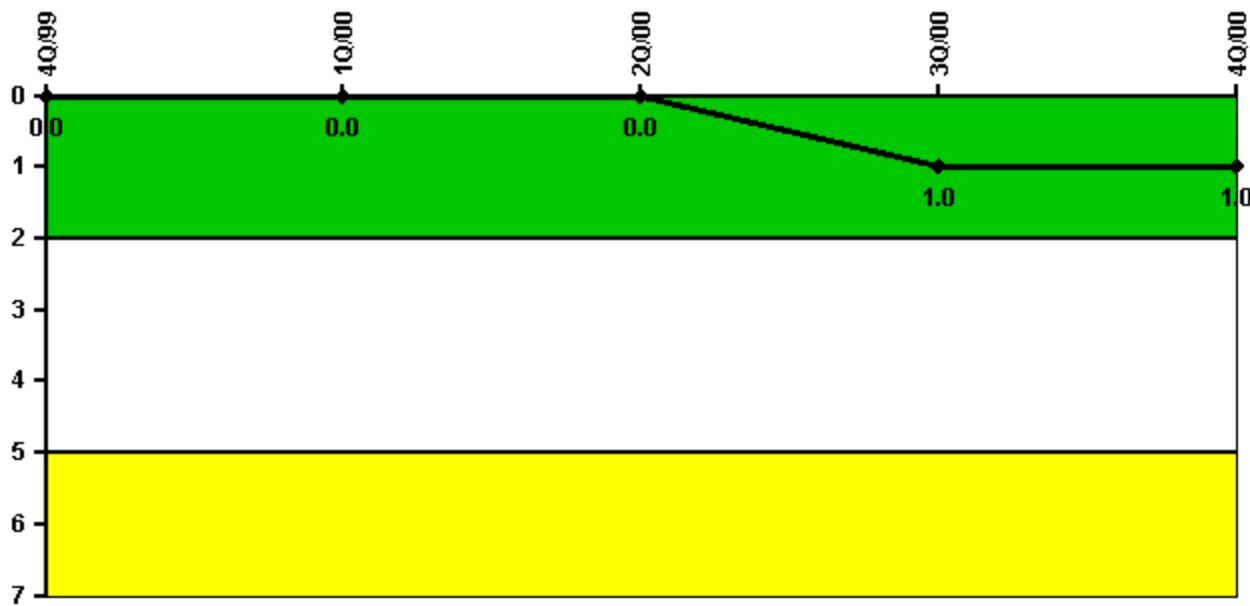
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	87.17	12.40	166.40	117.21	135.00
CCTV compensatory hours	0	72.9	12.9	1.3	3.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.007	0.007	0.008	0.009

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented on PER00-010268-000.

Personnel Screening Program



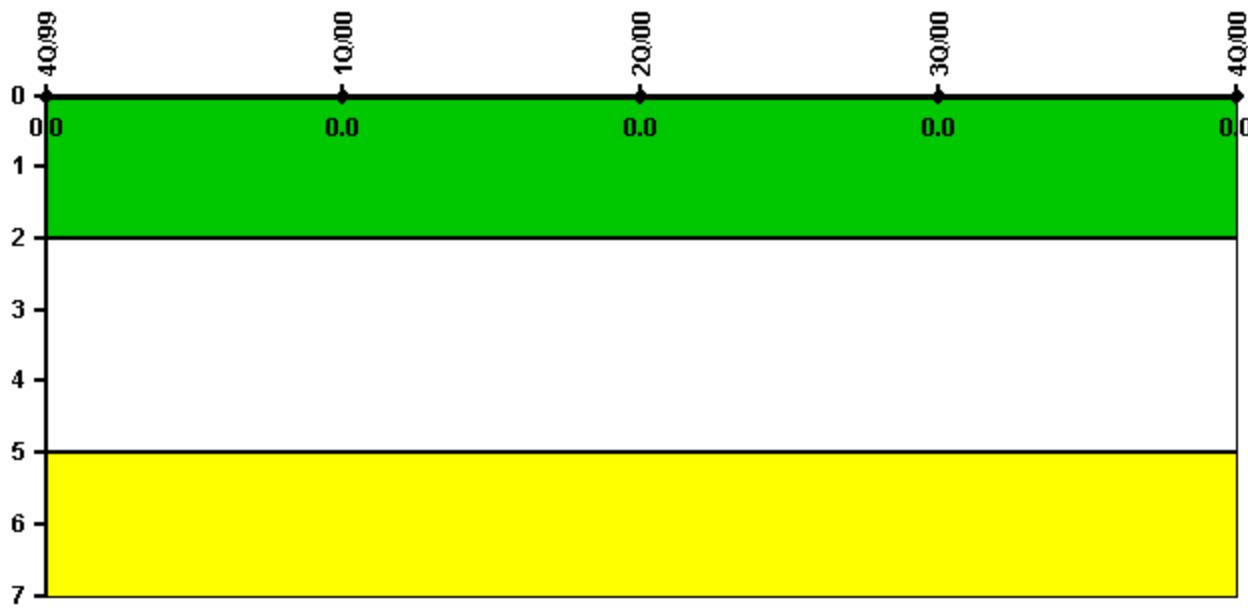
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

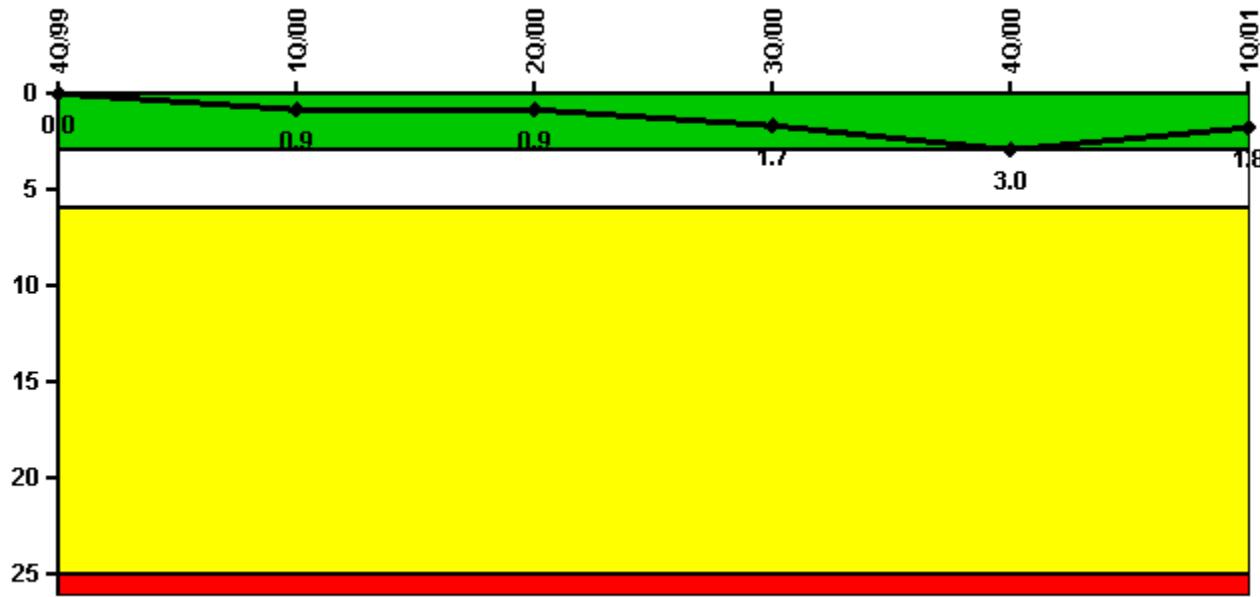


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Sequoyah 1**1Q/2001 Performance Indicators**

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

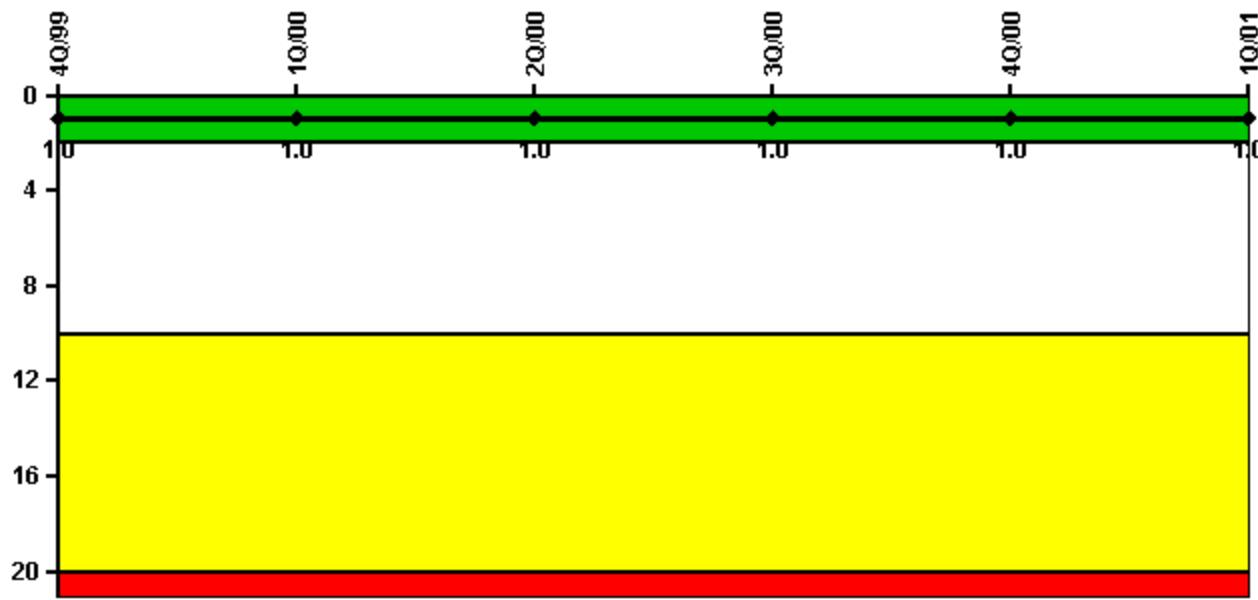
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0
Indicator value	0	0.9	0.9	1.7	3.0	1.8

Licensee Comments:

4Q/00: This correction is based on the disposition of a proposed FAQ reviewed by the NRC and NEI Task Forces on 3/2/01.

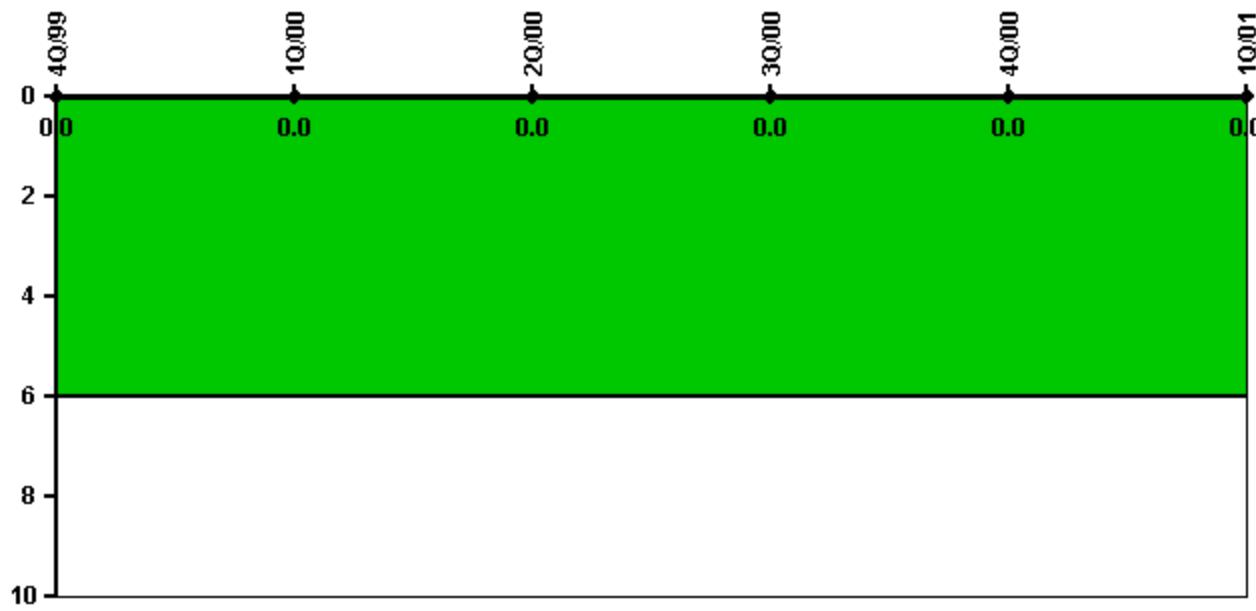
Scrams with Loss of Normal Heat Removal

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	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

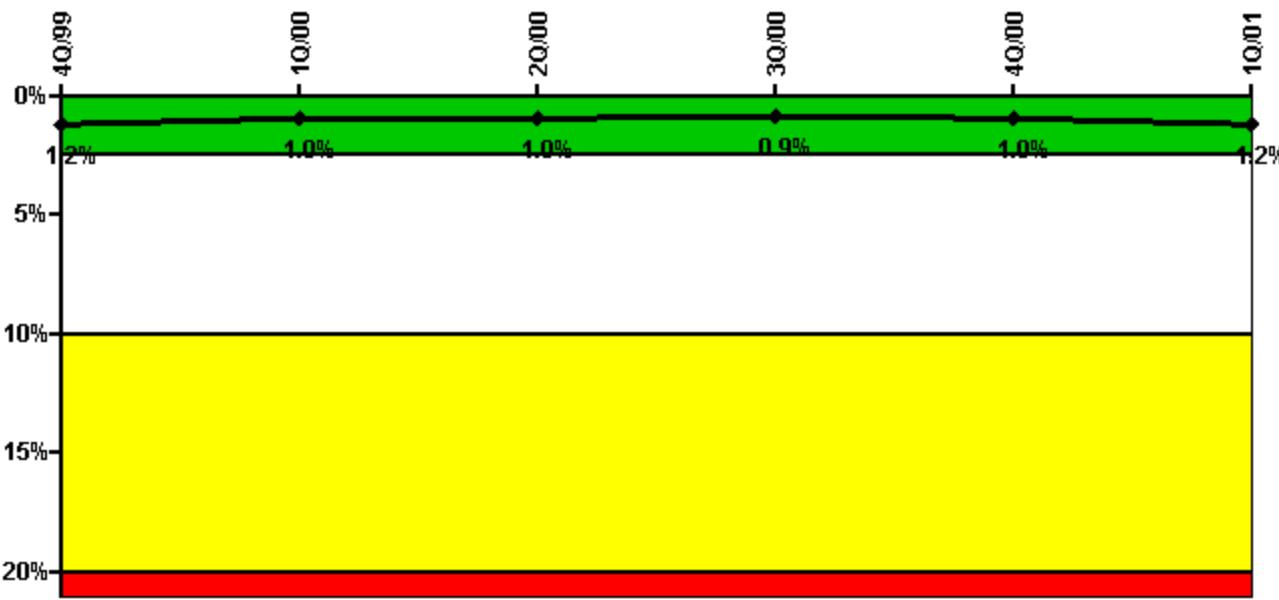
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0
Indicator value	0	0	0	0	0	0

Licensee Comments:

4Q/00: This correction is based on the disposition of a proposed FAQ reviewed by the NRC and NEI Task Forces on 3/2/01.

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1							
Planned unavailable hours		0.50	39.95	1.65	9.47	17.92	87.97
Unplanned unavailable hours		0	0	0	0	3.77	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		1.60	2.73	134.92	2.20	6.15	57.22
Unplanned unavailable hours		0	0	0	0	14.53	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 3							
Planned unavailable hours		0	38.47	1.90	2.78	13.10	131.72
Unplanned unavailable hours		4.90	0	0	0	24.53	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 4							
Planned unavailable hours		2.72	2.17	5.43	4.52	10.50	157.67
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value		1.2%	1.0%	1.0%	0.9%	1.0%	1.2%

Licensee Comments:

1Q/01: 1)Two and 4 year maintenance outages 2)JAN01 Train 1 hrs and FEB01 Train 3 and Train 4 hrs were revised from unplanned to planned based on review for PER 01-2932-000

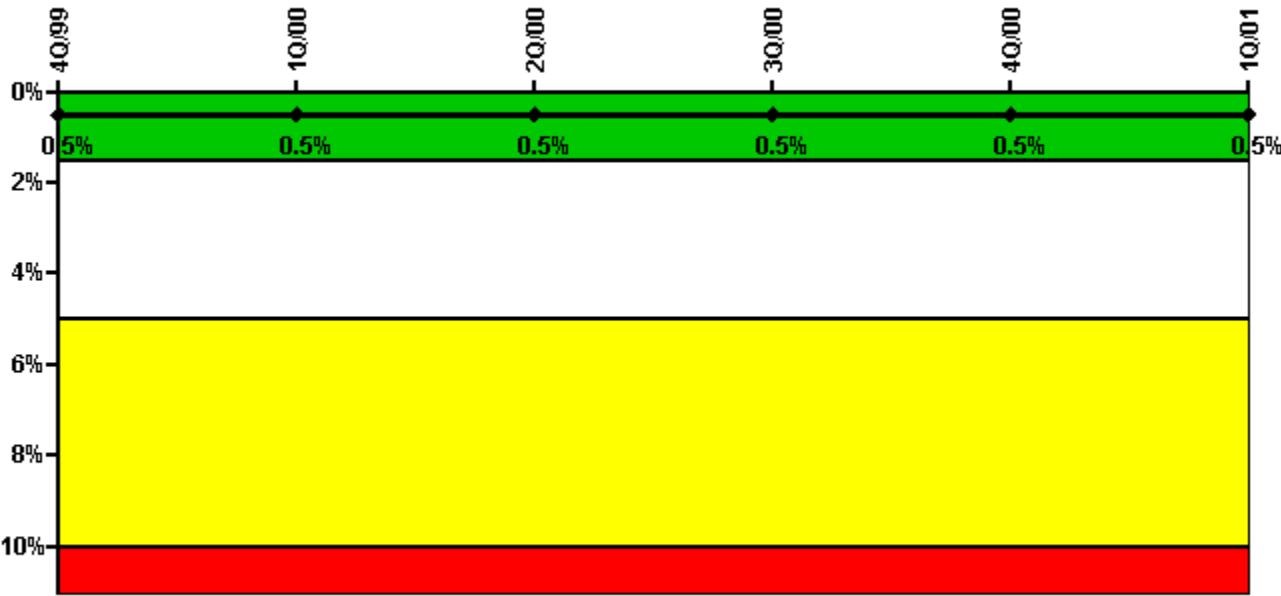
1Q/01: Two and 4 year maintenance outages

4Q/00: All unplanned hrs for DEC00 were changed to planned hrs based review for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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	6.20	13.50	10.30	3.60	0.10	9.50
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	1805.00	2183.00	2118.10	1415.90	2160.00
Train 2						
Planned unavailable hours	0.80	3.10	14.00	2.90	17.90	3.80
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	2209.00	1805.00	2183.00	2118.10	1415.90	2160.00
Train 3						

Planned unavailable hours	5.70	3.40	5.40	4.70	2.00	4.50
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	1676.40	2183.00	2084.40	1322.90	2160.00
Train 4						
Planned unavailable hours	6.20	2.00	8.20	3.30	2.30	8.80
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	2209.00	1676.40	2183.00	2084.40	1322.90	2160.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments:

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Unavailability on all 4 trains for JAN01, FEB01 train 1 and train 3, and MAR01 train 2 and train 4 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 and train 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290.

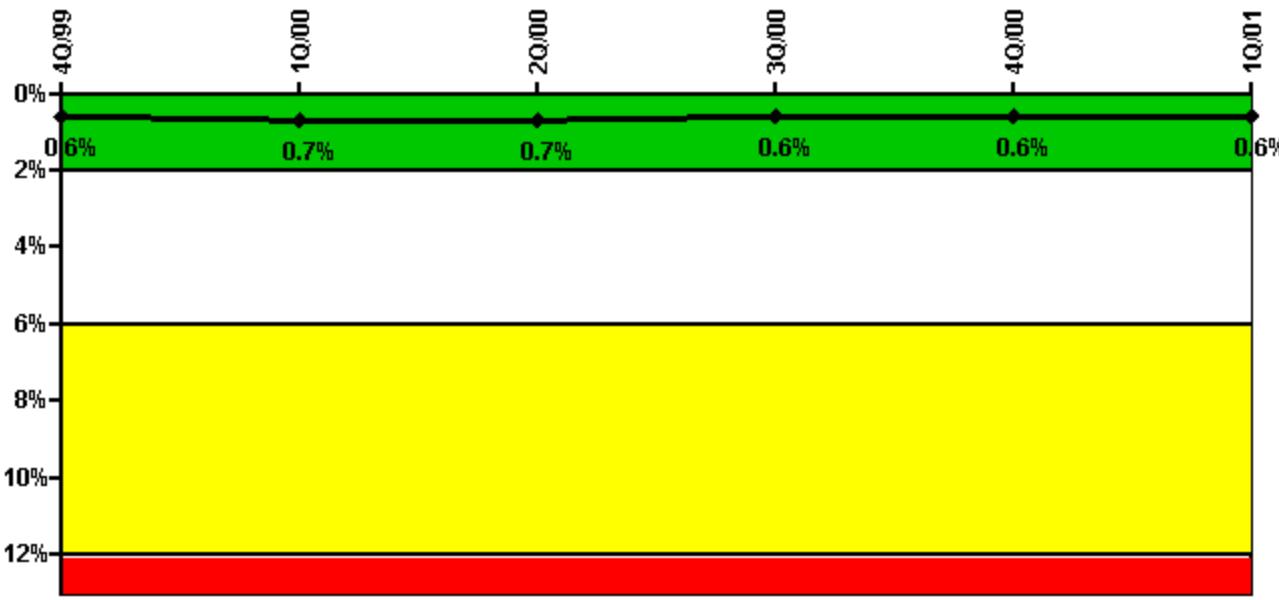
3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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		7.80	9.20	12.75	2.92	0	3.32
Unplanned unavailable hours		0	0	1.02	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	1661.17	2183.00	2084.40	1322.90	2160.00
Train 2							
Planned unavailable hours		6.00	3.15	19.97	2.29	2.10	6.67
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	1670.70	2183.00	2118.10	1362.10	2160.00
Train 3							
Planned unavailable hours		20.50	31.60	8.60	2.32	1.00	7.65
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	1619.90	2183.00	2084.40	1274.90	2160.00
Indicator value		0.6%	0.7%	0.7%	0.6%	0.6%	0.6%

Licensee Comments:

1Q/01: Hours were revised for JAN01 train 1 and train 2, FEB01 train 1, and MAR01 train 2 to add SSPS unavailability which was required by FAQ #290.

4Q/00: DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: July00 Train 1 changed to include testing unavailability.

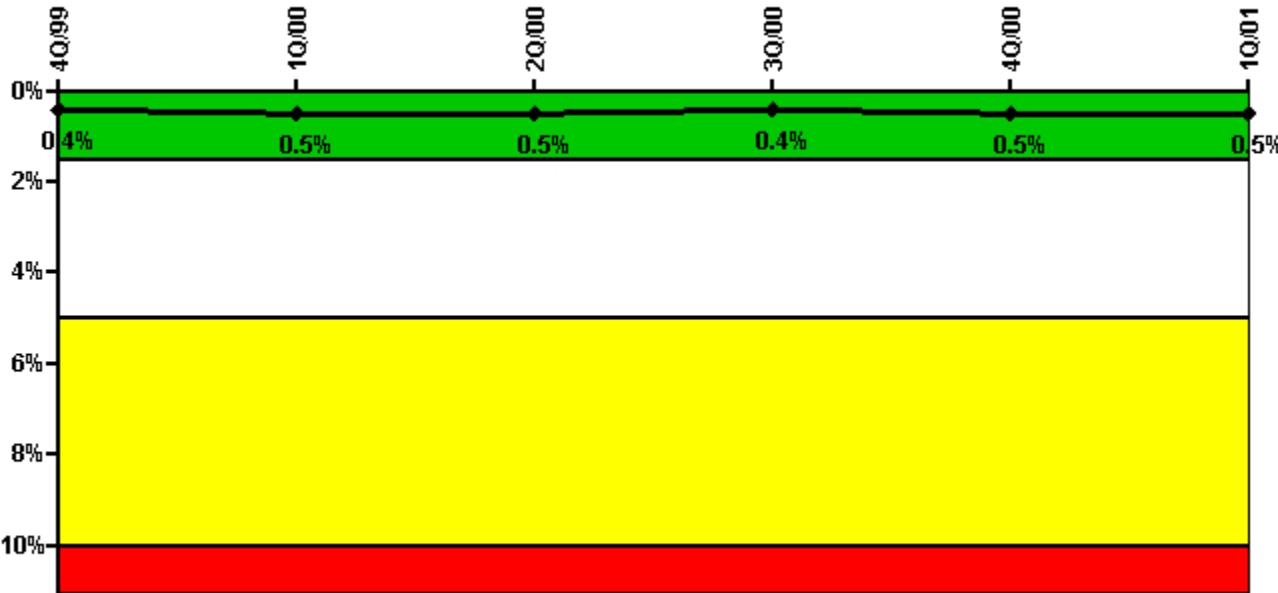
3Q/00: 1)July00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: May00 Train 1 revised to include testing unavailability.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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	1.80	15.40	2.10	3.00	13.00	10.20
Unplanned unavailable hours	0	0	0	2.10	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2094.80	2183.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	2.50	16.00	9.40	1.70	7.10	9.40

Unplanned unavailable hours	0	0	0	2.10	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2094.80	2183.00	2208.00	2208.00	2160.00
Indicator value	0.4%	0.5%	0.5%	0.4%	0.5%	0.5%

Licensee Comments:

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JAN01 train 1 and train 2, FEB01 train 1 and MAR01 train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 was revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

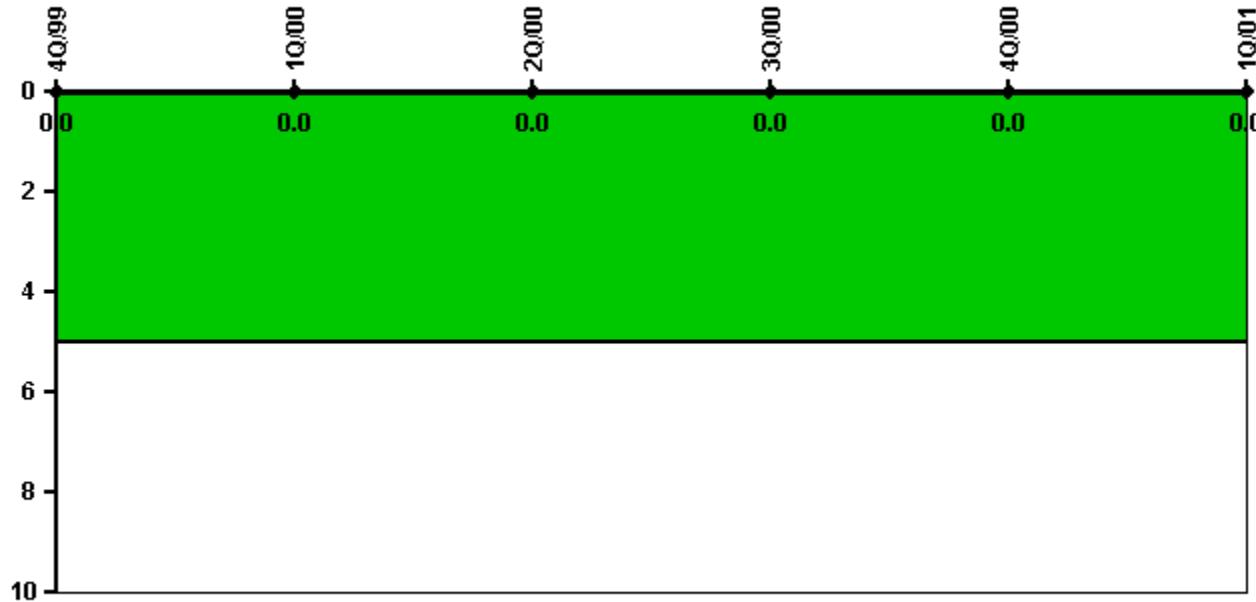
3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



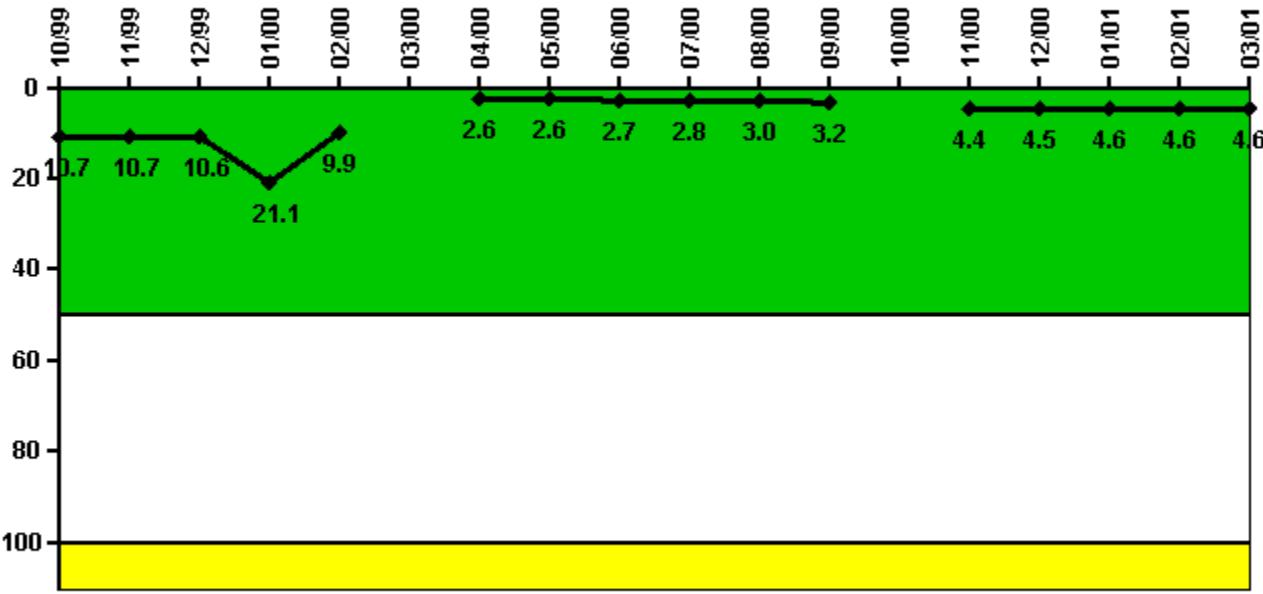
Thresholds: White > 5.0

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	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

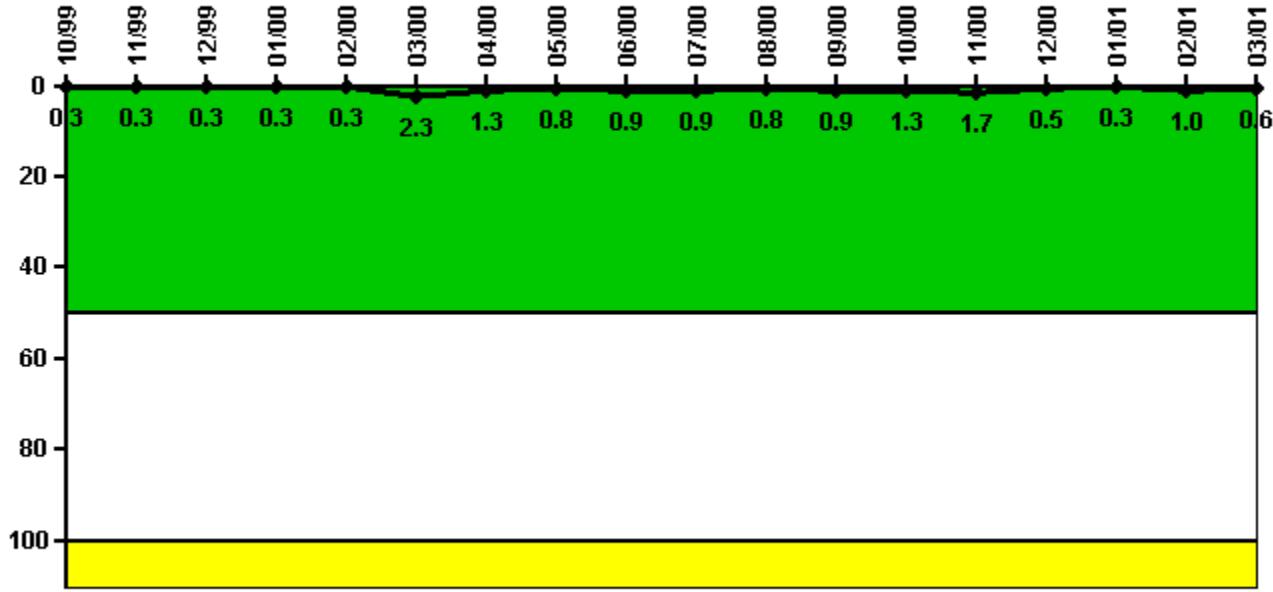
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.037600	0.037400	0.037200	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.7	10.7	10.6	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	N/A	0.011000	0.011200	0.011400	0.011400	0.011500
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	N/A	4.4	4.5	4.6	4.6	4.6

Licensee Comments: none

Reactor Coolant System Leakage



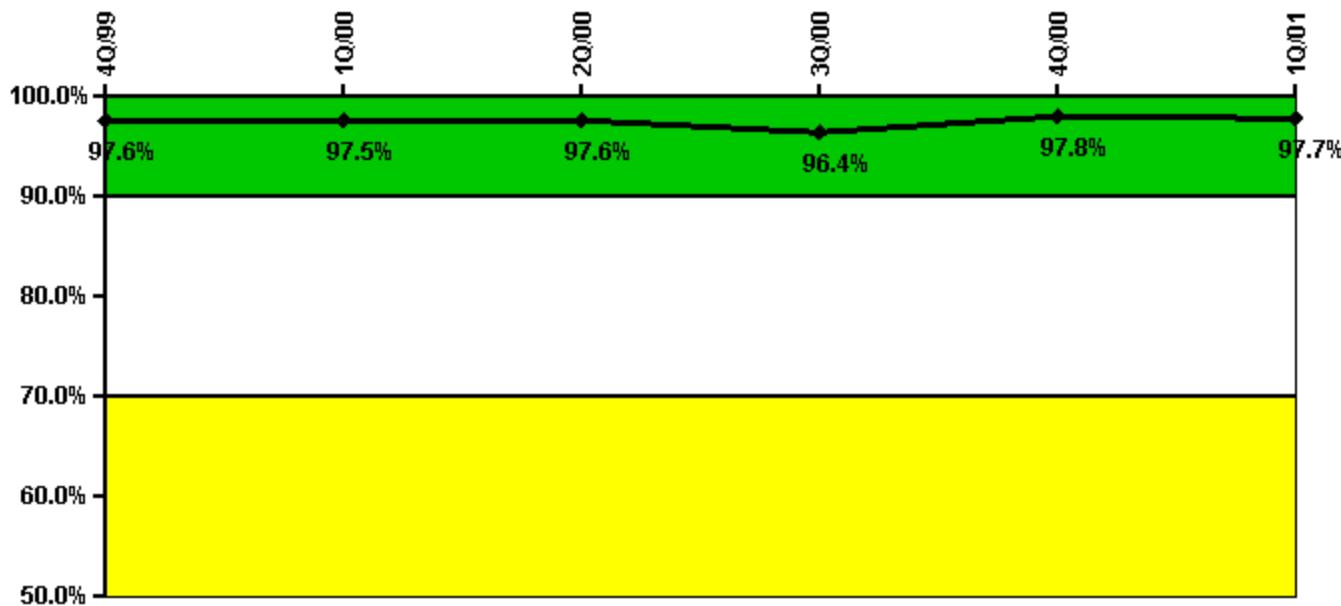
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.030	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.130	0.170	0.050	0.030	0.100	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.7	0.5	0.3	1.0	0.6

Licensee Comments: none

Drill/Exercise Performance

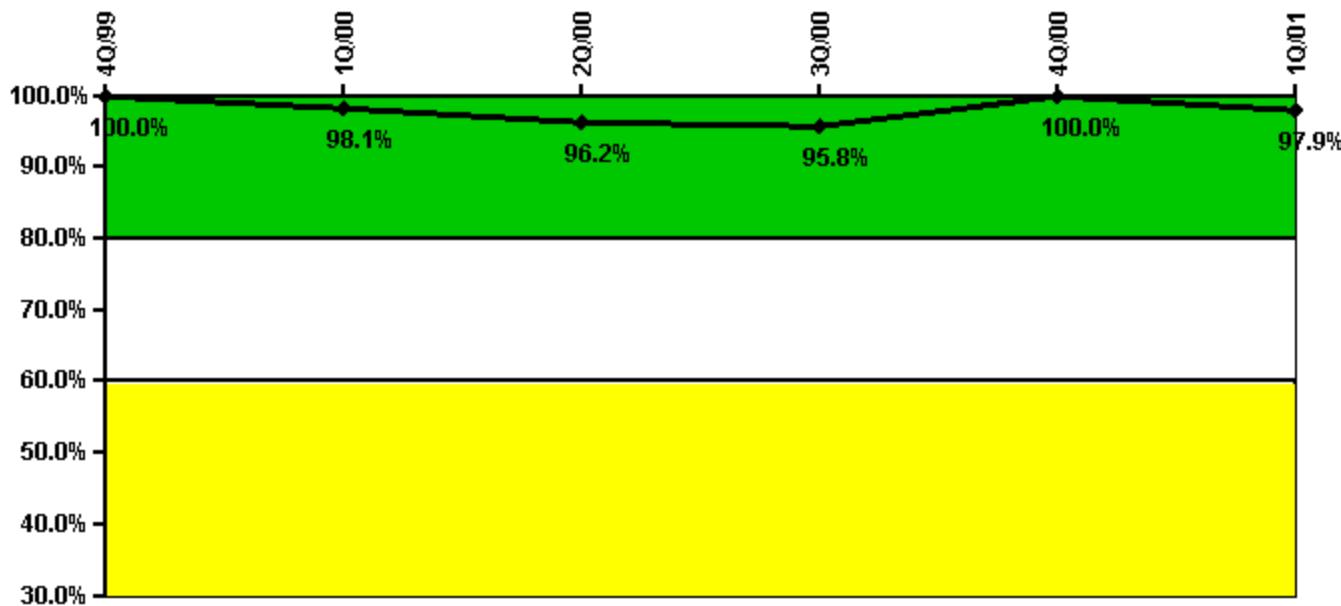
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	34.0	0	8.0	23.0	38.0	0
Total opportunities	34.0	0	8.0	25.0	38.0	0
Indicator value	97.6%	97.5%	97.6%	96.4%	97.8%	97.7%

Licensee Comments: none

ERO Drill Participation

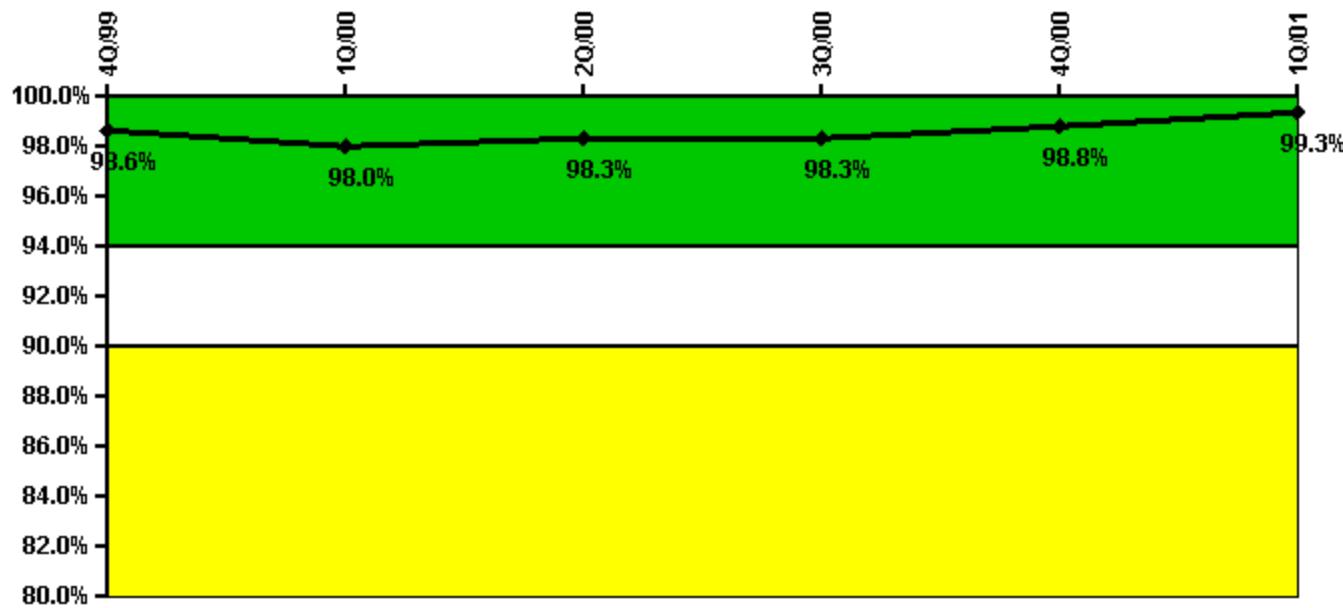


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	54.0	52.0	50.0	46.0	47.0	46.0
Total Key personnel	54.0	53.0	52.0	48.0	47.0	47.0
Indicator value	100.0%	98.1%	96.2%	95.8%	100.0%	97.9%

Licensee Comments: none

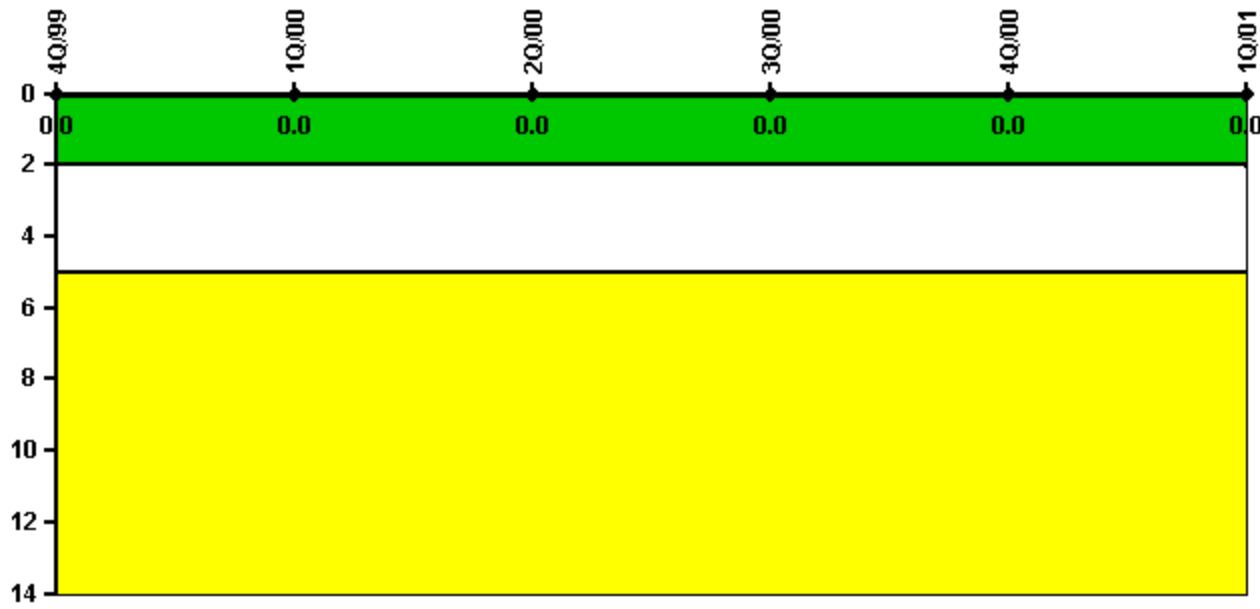
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	741	945	856	963	863	749
Total sirens-tests	756	972	864	972	864	756
Indicator value	98.6%	98.0%	98.3%	98.3%	98.8%	99.3%

Licensee Comments: none

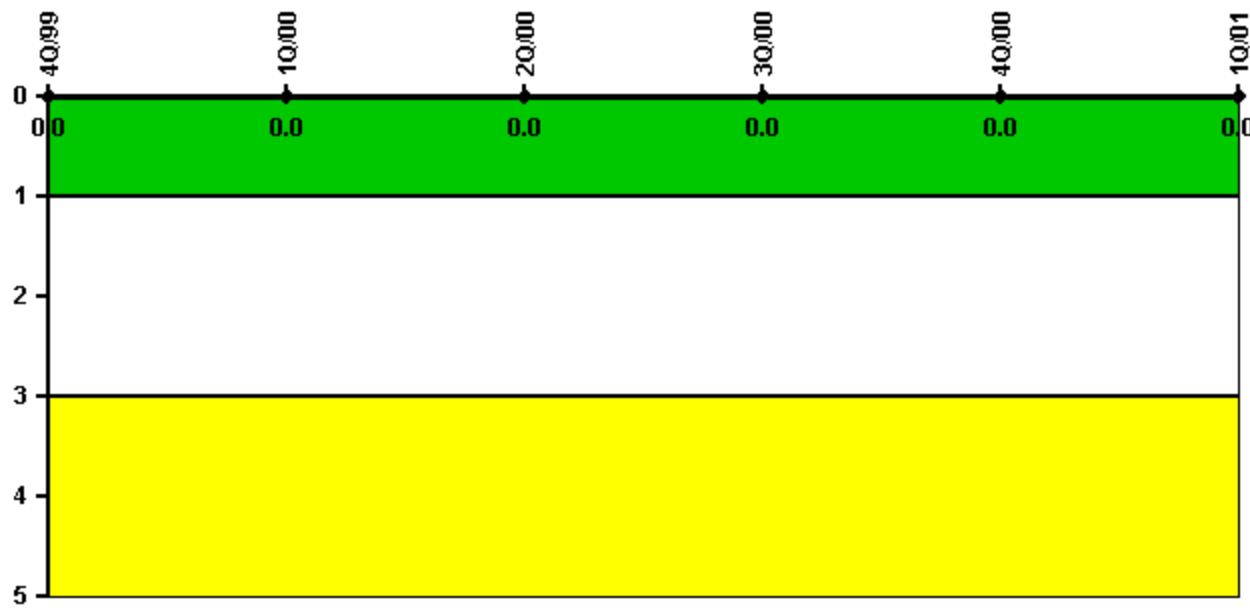
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

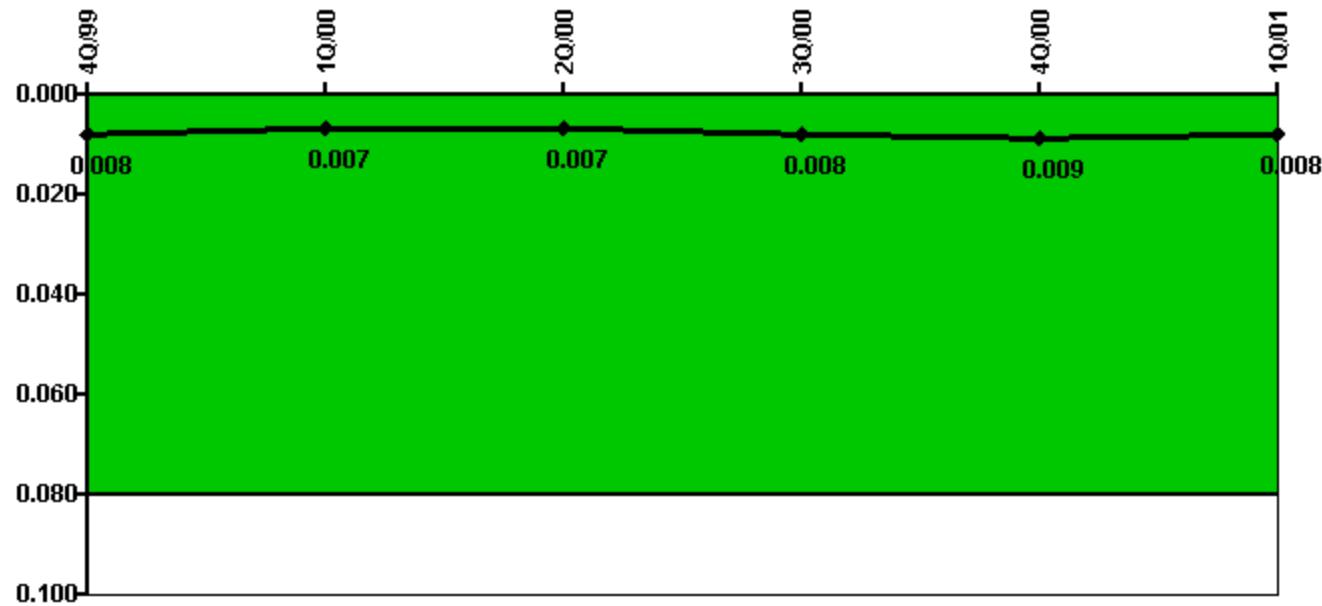
Thresholds: White > 1.0 Yellow > 3.0

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

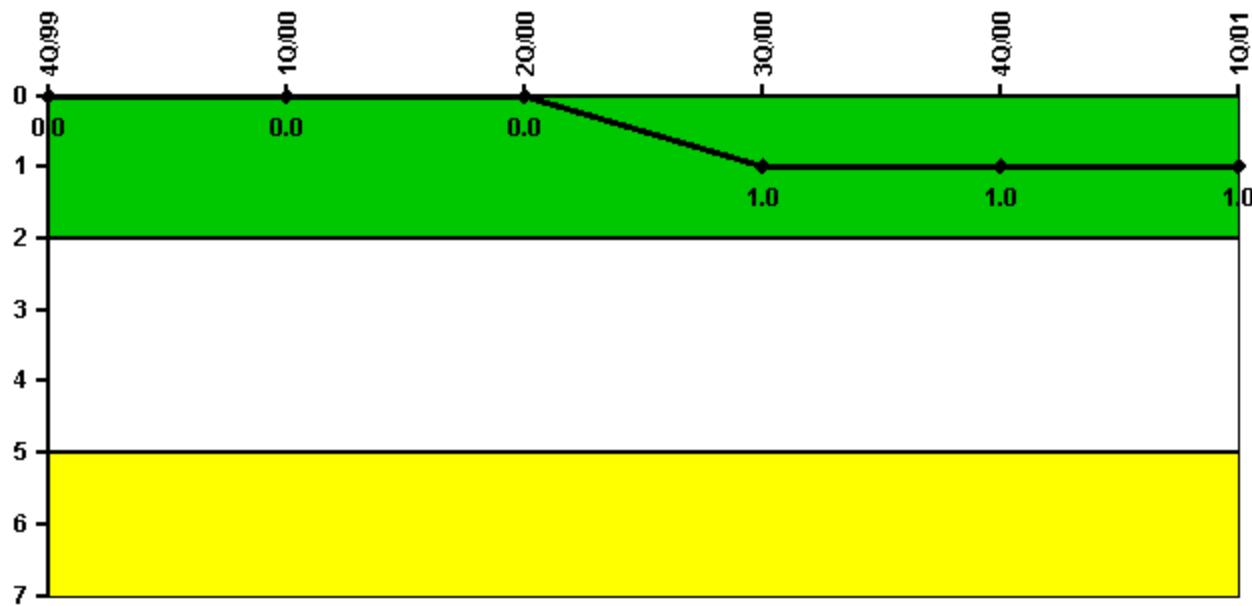
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	87.17	12.40	166.40	117.21	135.00	73.67
CCTV compensatory hours	0	72.9	12.9	1.3	3.2	0.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.007	0.007	0.008	0.009	0.008

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented on PER00-010268-000.

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	1	0	0
Indicator value	0	0	0	1	1	1

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

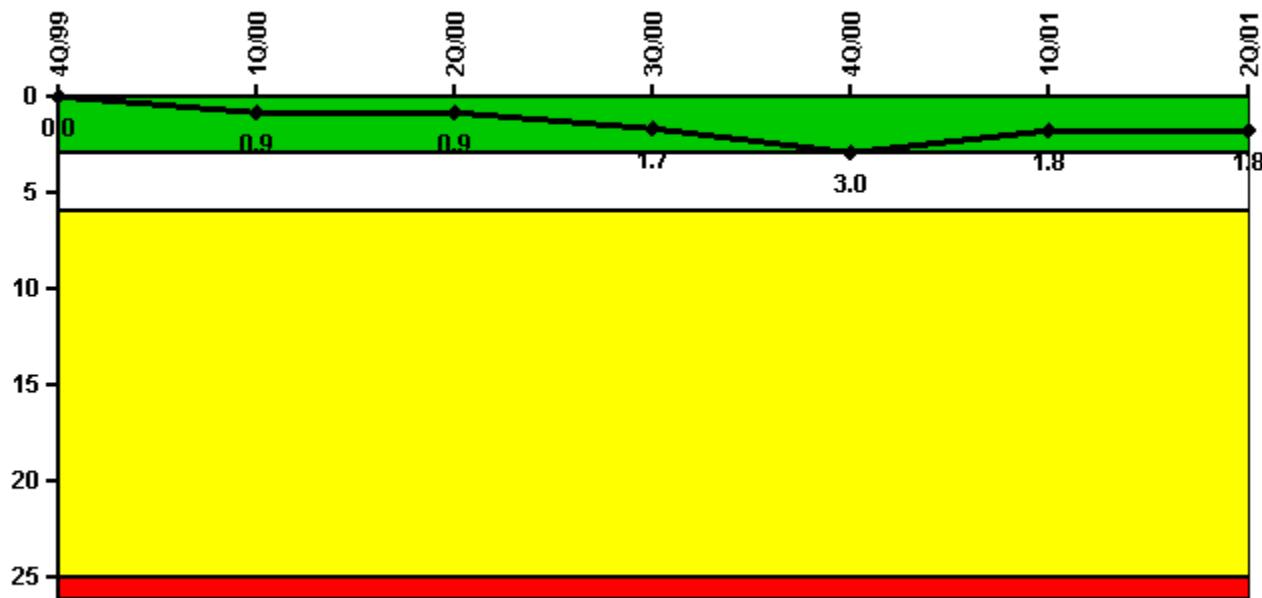


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Sequoyah 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	1.0	1.0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0
Indicator value	0	0.9	0.9	1.7	3.0	1.8	1.8

Licensee Comments: none

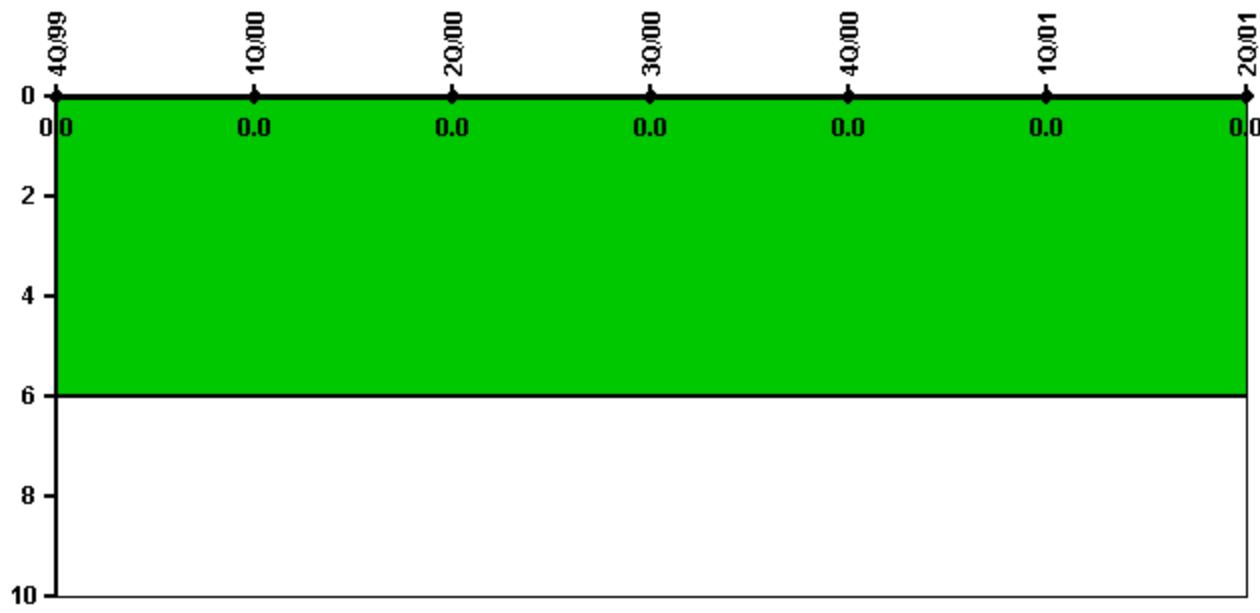
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

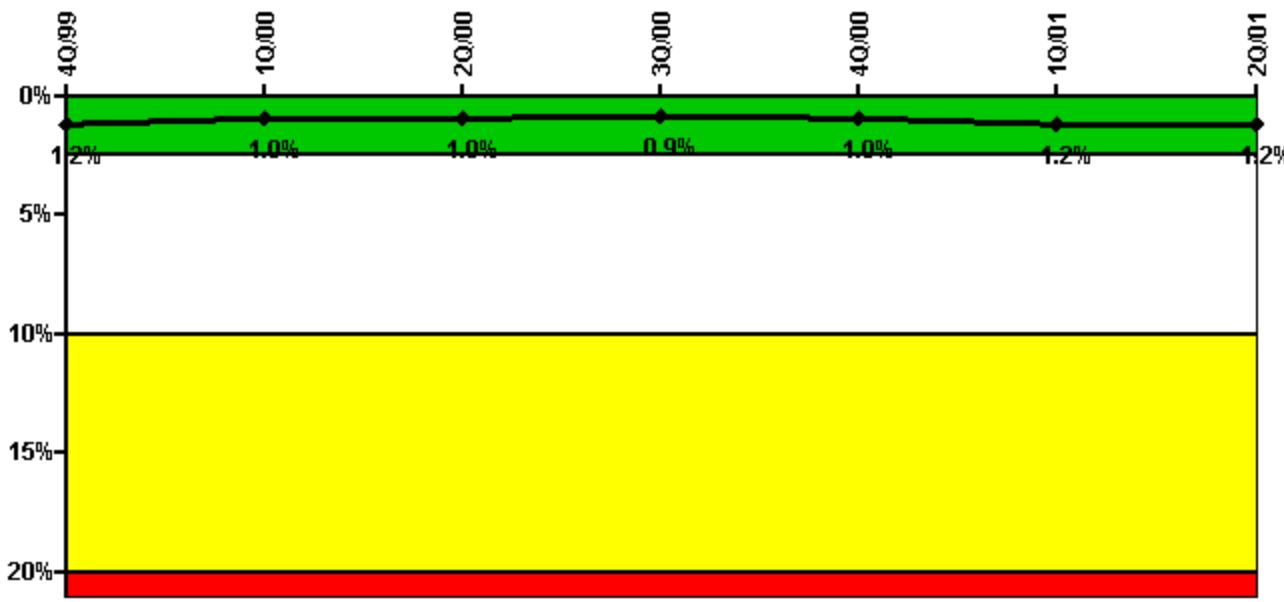
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1								
Planned unavailable hours		0.50	39.95	1.65	9.47	17.92	87.97	4.50
Unplanned unavailable hours		0	0	0	0	3.77	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		1.60	2.73	134.92	2.20	6.15	57.22	3.62
Unplanned unavailable hours		0	0	0	0	14.53	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 3								
Planned unavailable hours		0	38.47	1.90	2.78	13.10	131.72	4.13
Unplanned unavailable hours		4.90	0	0	0	24.53	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 4								
Planned unavailable hours		2.72	2.17	5.43	4.52	10.50	157.67	8.33
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value		1.2%	1.0%	1.0%	0.9%	1.0%	1.2%	1.2%

Licensee Comments:

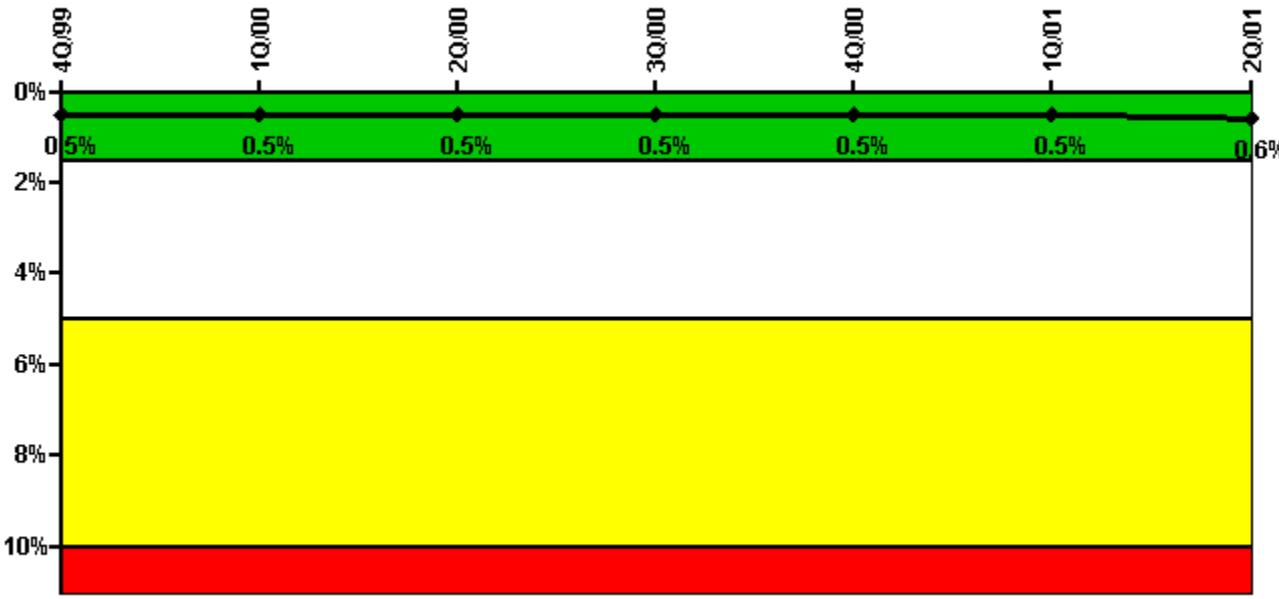
1Q/01: 1) Two and 4 year maintenance outages 2) JAN01 Train 1 hrs and FEB01 Train 3 and Train 4 hrs were revised from unplanned to planned based on review for PER 01-2932-000

4Q/00: All unplanned hrs for DEC00 were changed to planned hrs based review for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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		6.20	13.50	10.30	3.60	0.10	9.50	3.80
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	1805.00	2183.00	2118.10	1415.90	2160.00	2183.00
Train 2								
Planned unavailable hours		0.80	3.10	14.00	2.90	17.90	3.80	2.60
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	1805.00	2183.00	2118.10	1415.90	2160.00	2183.00
Train 3								
Planned unavailable hours		5.70	3.40	5.40	4.70	2.00	4.50	13.10

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	1676.40	2183.00	2084.40	1322.90	2160.00	2183.00
Train 4							
Planned unavailable hours	6.20	2.00	8.20	3.30	2.30	8.80	3.60
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	1676.40	2183.00	2084.40	1322.90	2160.00	2183.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.6%

Licensee Comments:

2Q/01: Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)Revised hours on APR01 train 1 and train 3, MAY01 train 2 and train 4, and JUN01 train 1 and train 3 to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Unavailability on all 4 trains for JAN01, FEB01 train 1 and train 3, and MAR01 train 2 and train 4 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 and train 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

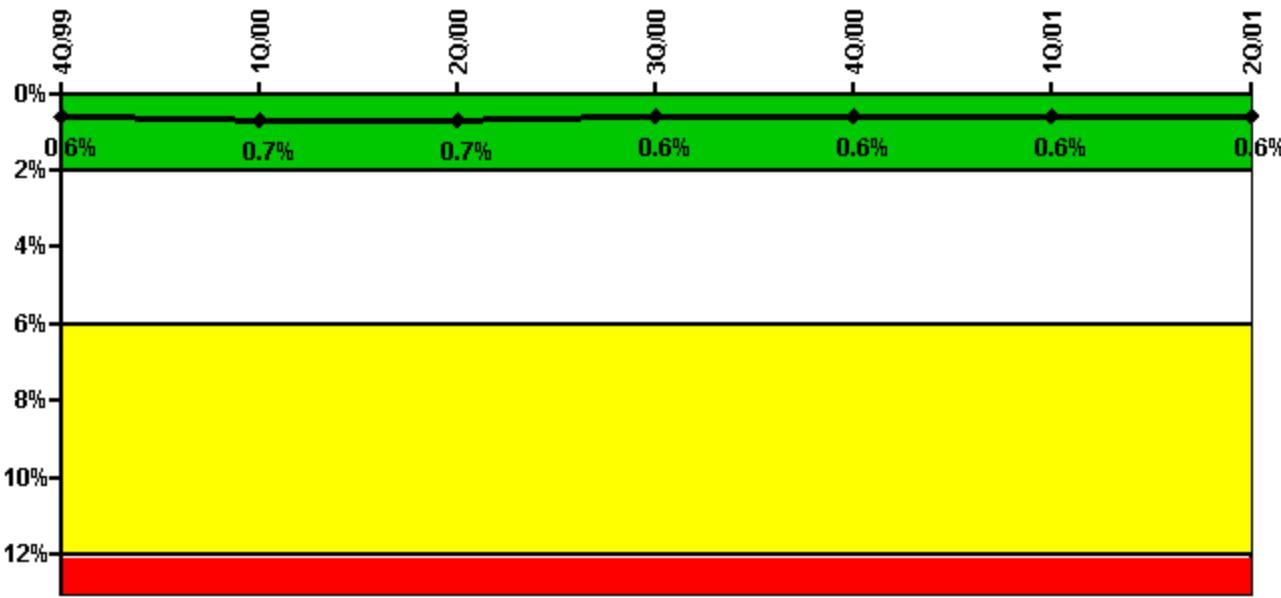
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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		7.80	9.20	12.75	2.92	0	3.32	56.02
Unplanned unavailable hours		0	0	1.02	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	1661.17	2183.00	2084.40	1322.90	2160.00	2183.00
Train 2								
Planned unavailable hours		6.00	3.15	19.97	2.29	2.10	6.67	12.79
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	1670.70	2183.00	2118.10	1362.10	2160.00	2183.00
Train 3								
Planned unavailable hours		20.50	31.60	8.60	2.32	1.00	7.65	4.44
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	1619.90	2183.00	2084.40	1274.90	2160.00	2183.00
Indicator value		0.6%	0.7%	0.7%	0.6%	0.6%	0.6%	0.6%

Licensee Comments:

2Q/01: 1) May00, Jul00 and Sep00 unavailability was revised to include testing unavailability. 2) Hours for APR01 train 1, MAY01 train 2 and JUN01 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/01: May00, Jul00 and Sep00 unavailability was revised to include testing unavailability.

1Q/01: Hours were revised for JAN01 train 1 and train 2, FEB01 train 1, and MAR01 train 2 to add SSPS unavailability which was required by

FAQ #290.

4Q/00: DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)July00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

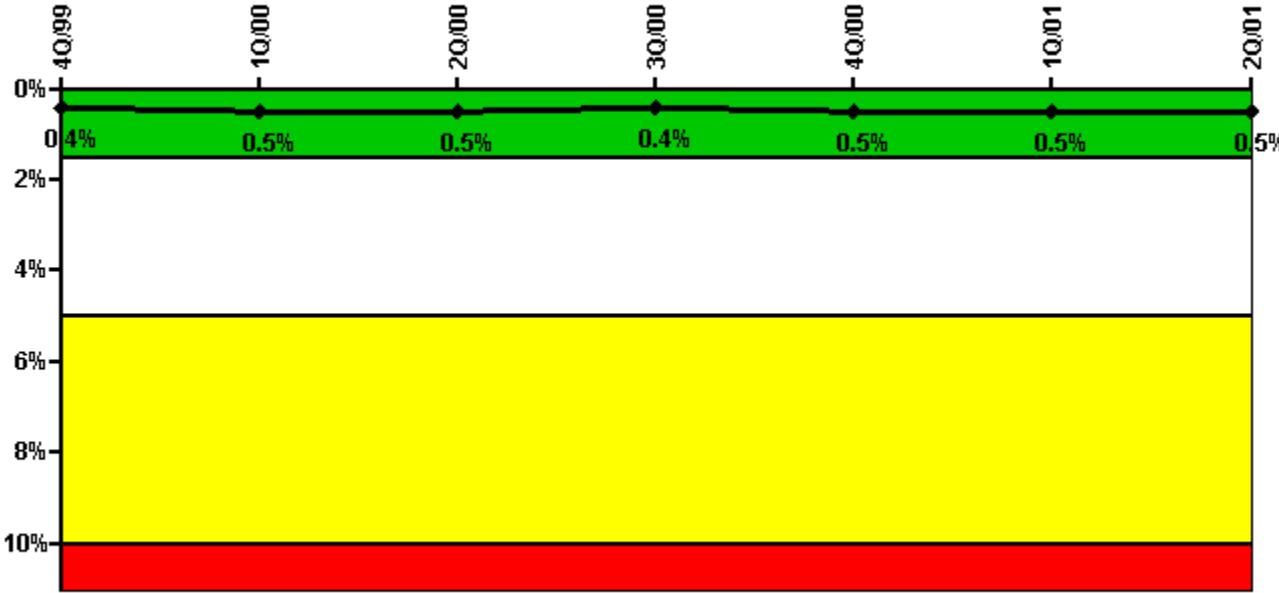
3Q/00: July00 Train 1 changed to include testing unavailability.

2Q/00: May00 Train 1 revised to include testing unavailability.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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	1.80	15.40	2.10	3.00	13.00	10.20	11.70
Unplanned unavailable hours	0	0	0	2.10	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	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00
Train 2							
Planned unavailable hours	2.50	16.00	9.40	1.70	7.10	9.40	2.50
Unplanned unavailable hours	0	0	0	2.10	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	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00
Indicator value	0.4%	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%

Licensee Comments:

2Q/01: Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)APR01 train 1, MAY01 train 2 and JUN01 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JAN01 train 1 and train 2, FEB01 train 1 and MAR01 train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 was revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

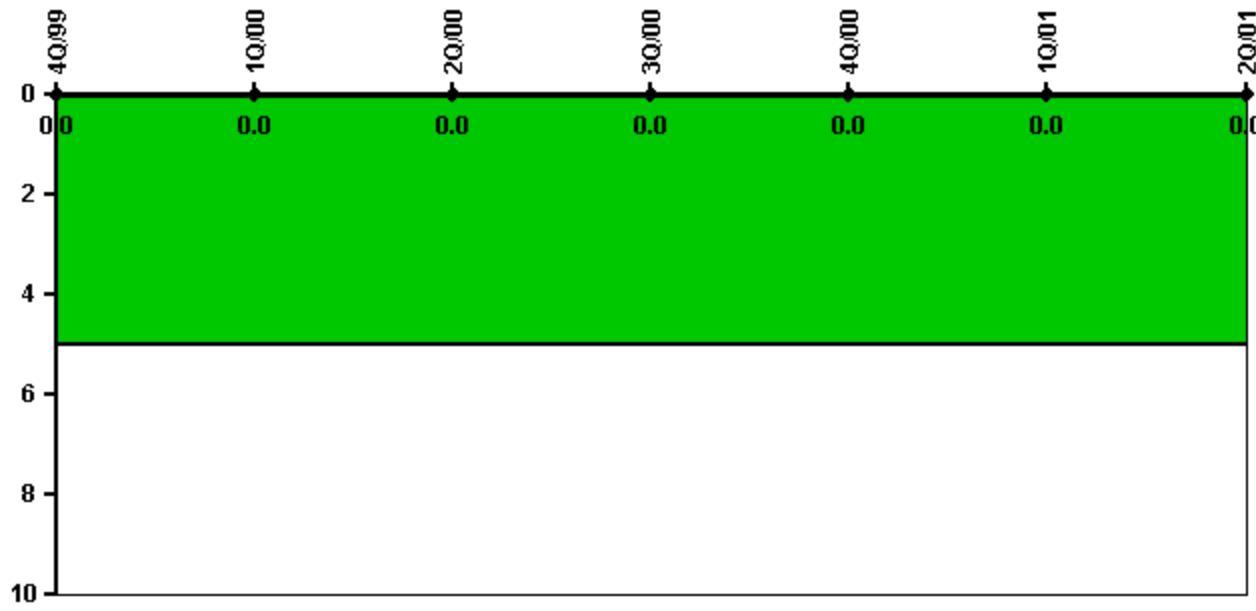
3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)

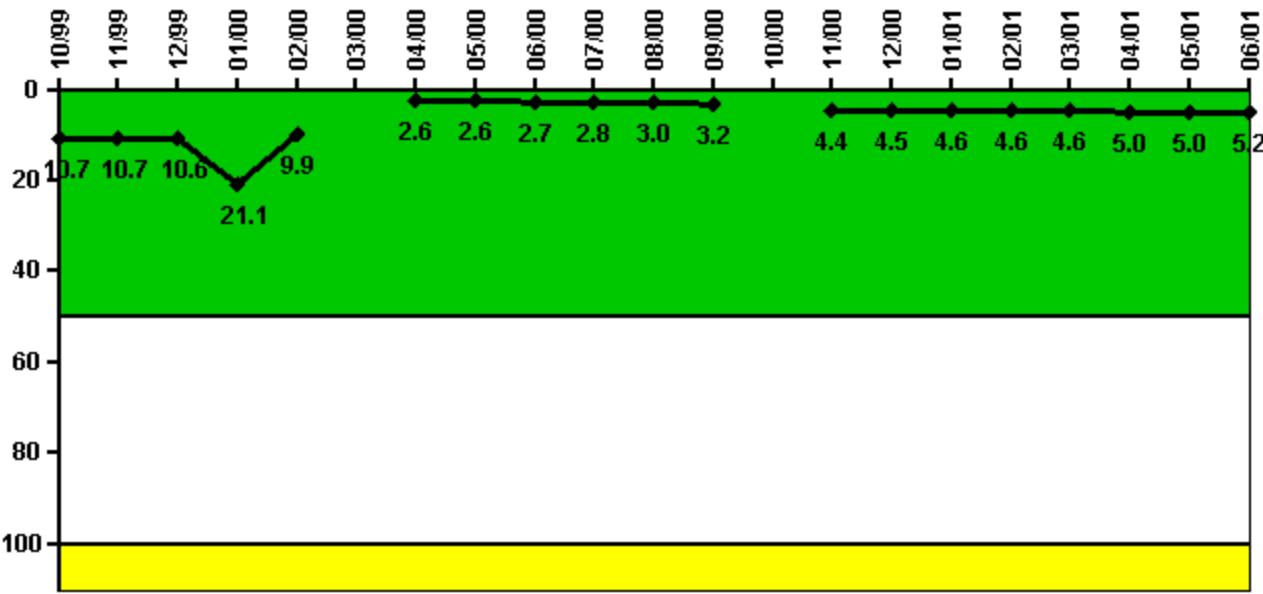
Thresholds: White > 5.0

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	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

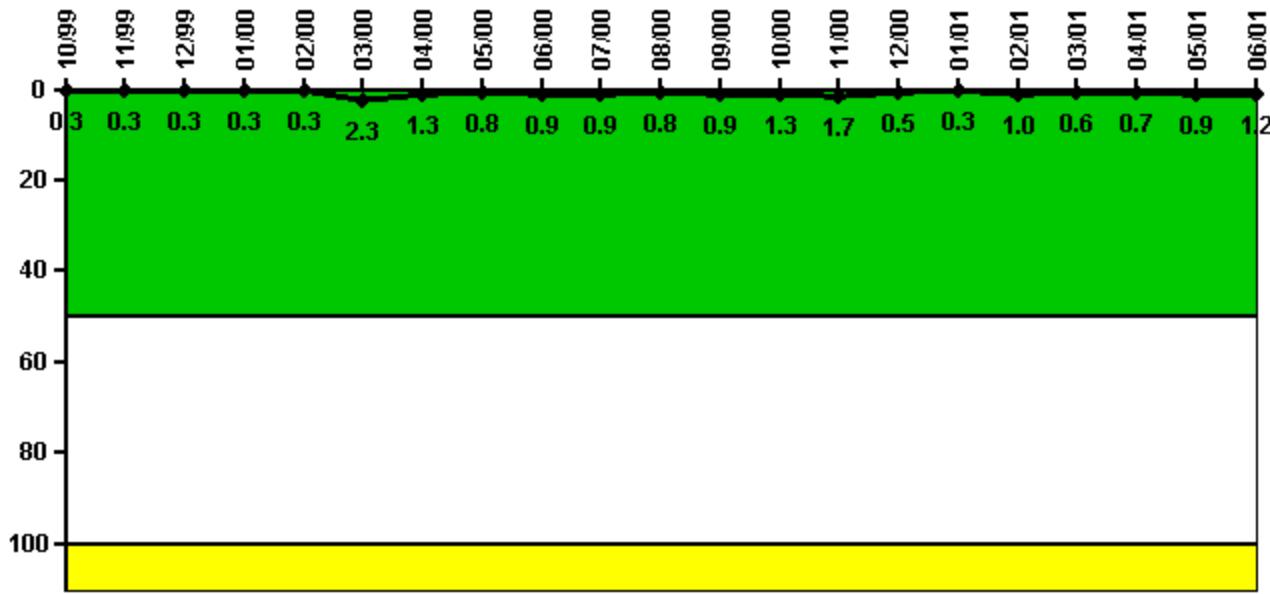
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.037600	0.037400	0.037200	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.7	10.7	10.6	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	N/A	0.011000	0.011200	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	N/A	4.4	4.5	4.6	4.6	4.6	5.0	5.0	5.2

Licensee Comments: none

Reactor Coolant System Leakage



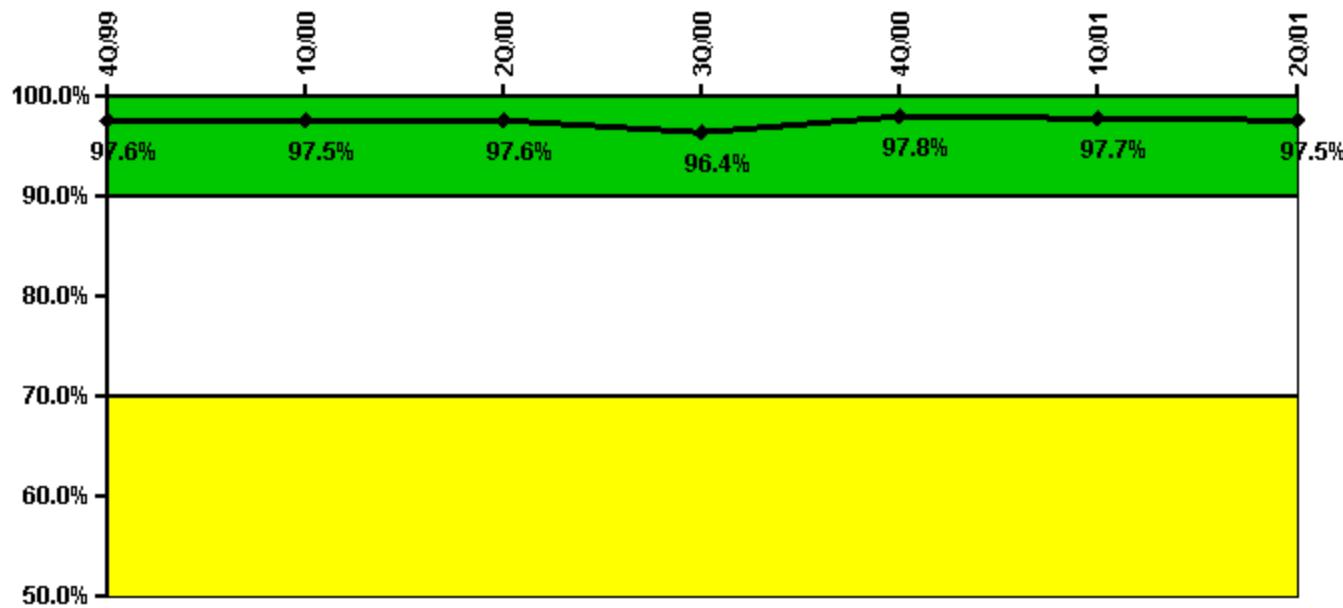
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.030	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.130	0.170	0.050	0.030	0.100	0.060	0.070	0.090	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.7	0.5	0.3	1.0	0.6	0.7	0.9	1.2

Licensee Comments: none

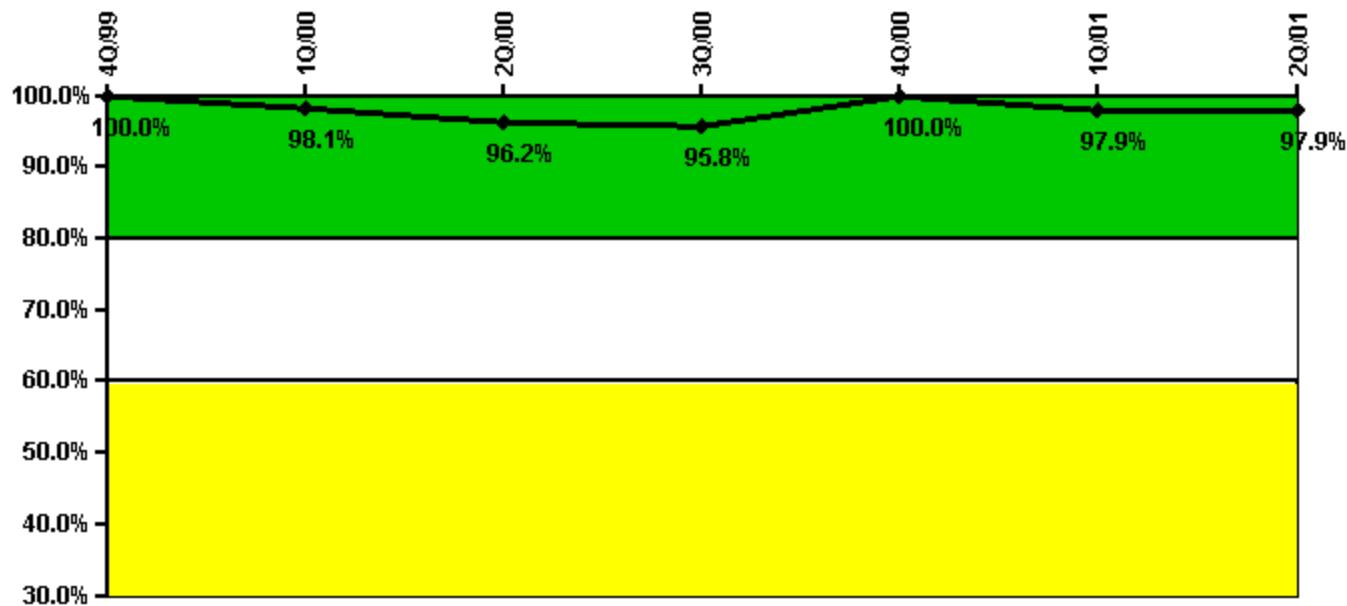
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	34.0	0	8.0	23.0	38.0	0	4.0
Total opportunities	34.0	0	8.0	25.0	38.0	0	4.0
Indicator value	97.6%	97.5%	97.6%	96.4%	97.8%	97.7%	97.5%

Licensee Comments: none

ERO Drill Participation

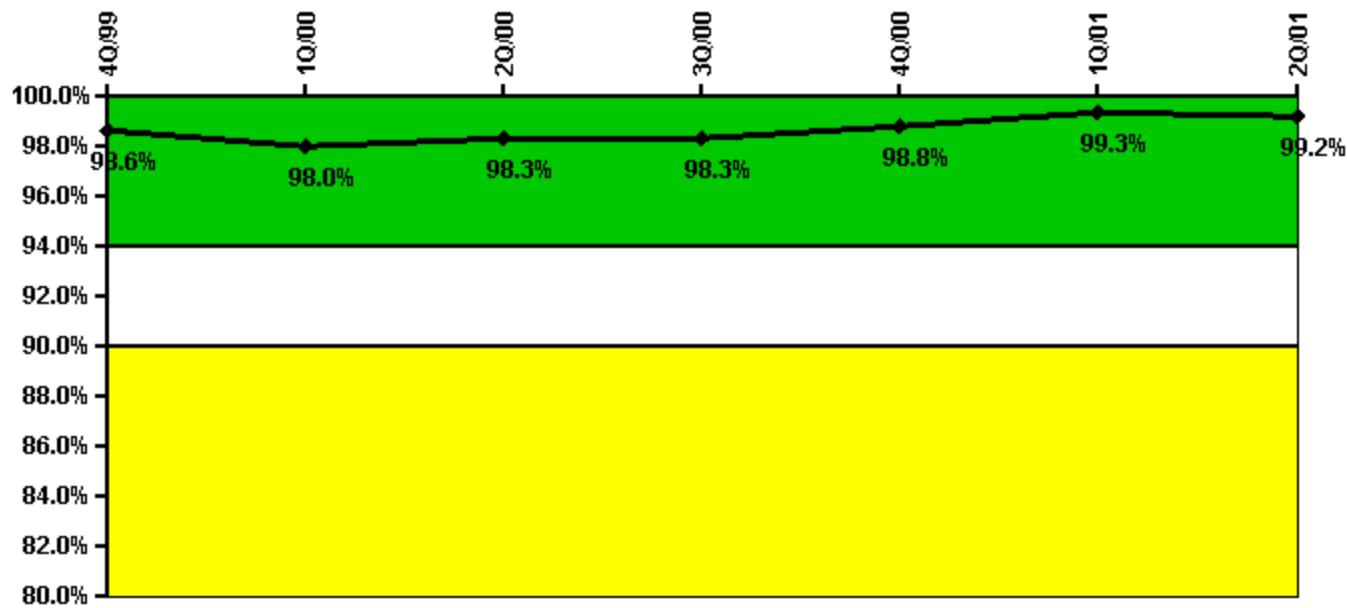
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	54.0	52.0	50.0	46.0	47.0	46.0	47.0
Total Key personnel	54.0	53.0	52.0	48.0	47.0	47.0	48.0
Indicator value	100.0%	98.1%	96.2%	95.8%	100.0%	97.9%	97.9%

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	741	945	856	963	863	749	961
Total sirens-tests	756	972	864	972	864	756	972
Indicator value	98.6%	98.0%	98.3%	98.3%	98.8%	99.3%	99.2%

Licensee Comments: none

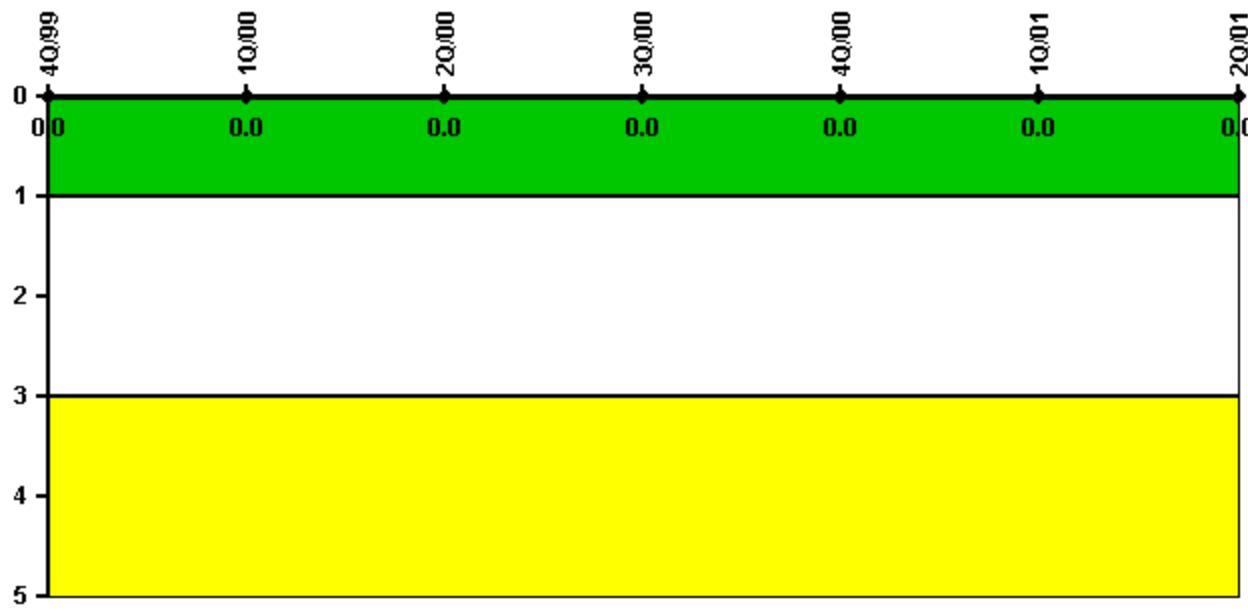
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

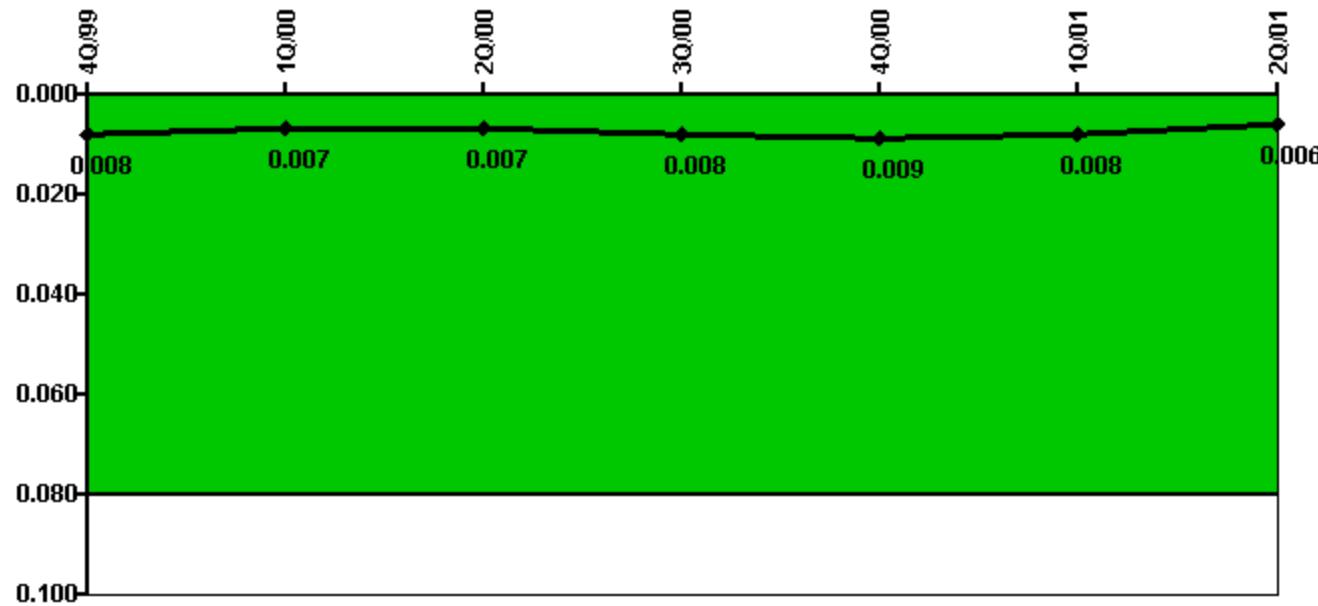
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



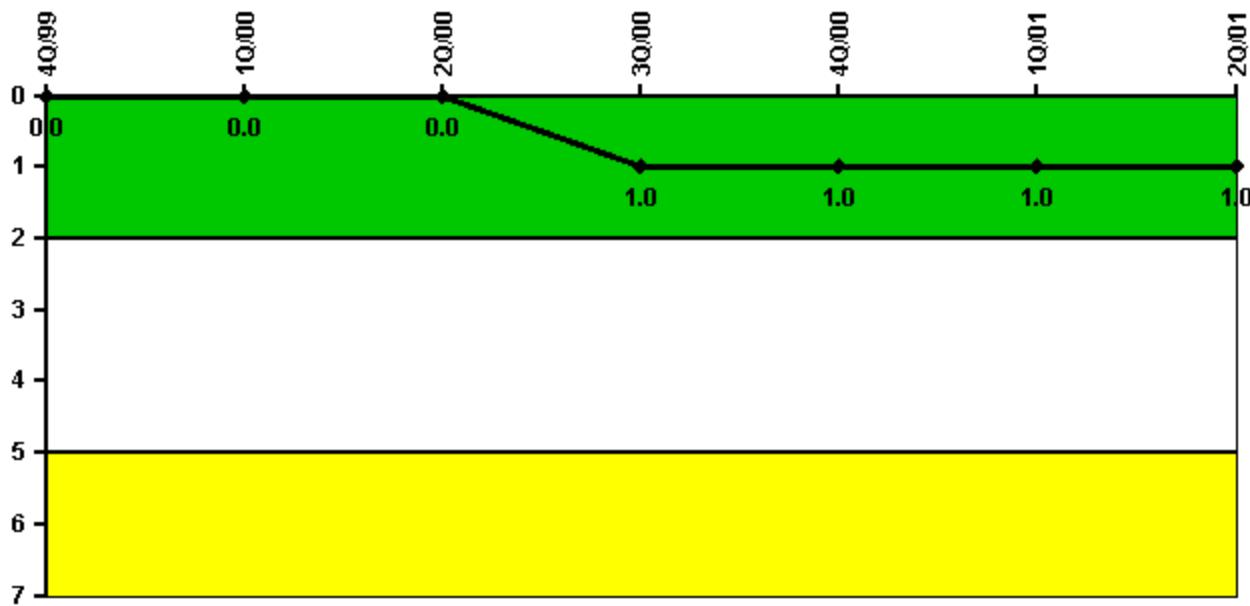
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	87.17	12.40	166.40	117.21	135.00	73.67	42.11
CCTV compensatory hours	0	72.9	12.9	1.3	3.2	0.2	0.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.007	0.007	0.008	0.009	0.008	0.006

Licensee Comments: none

Personnel Screening Program

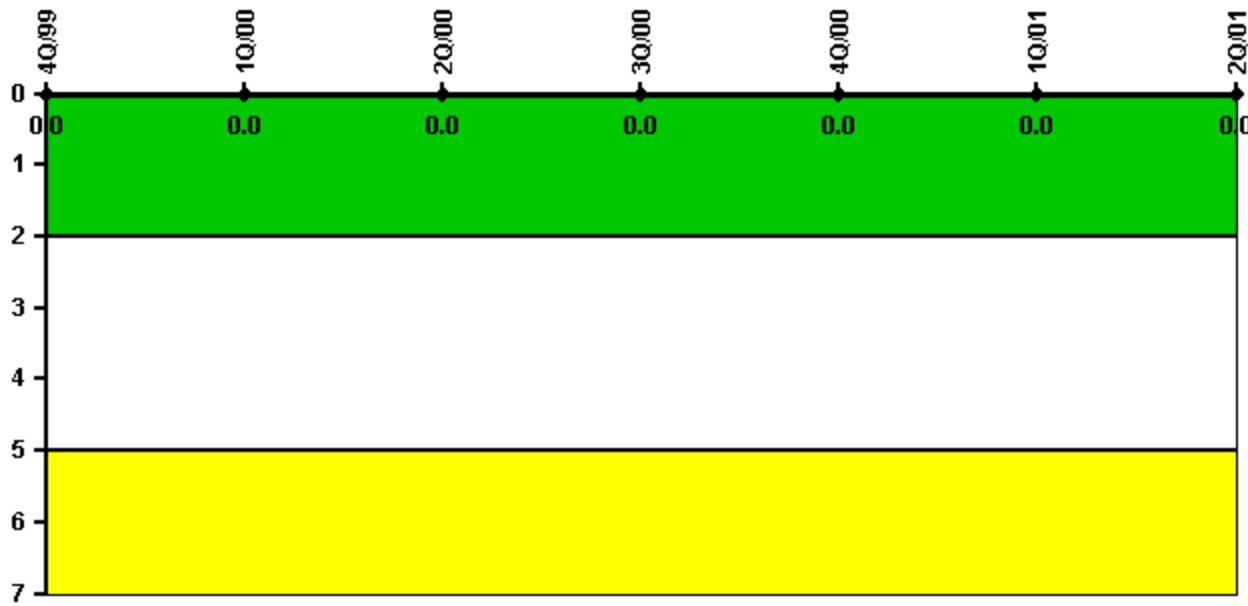


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

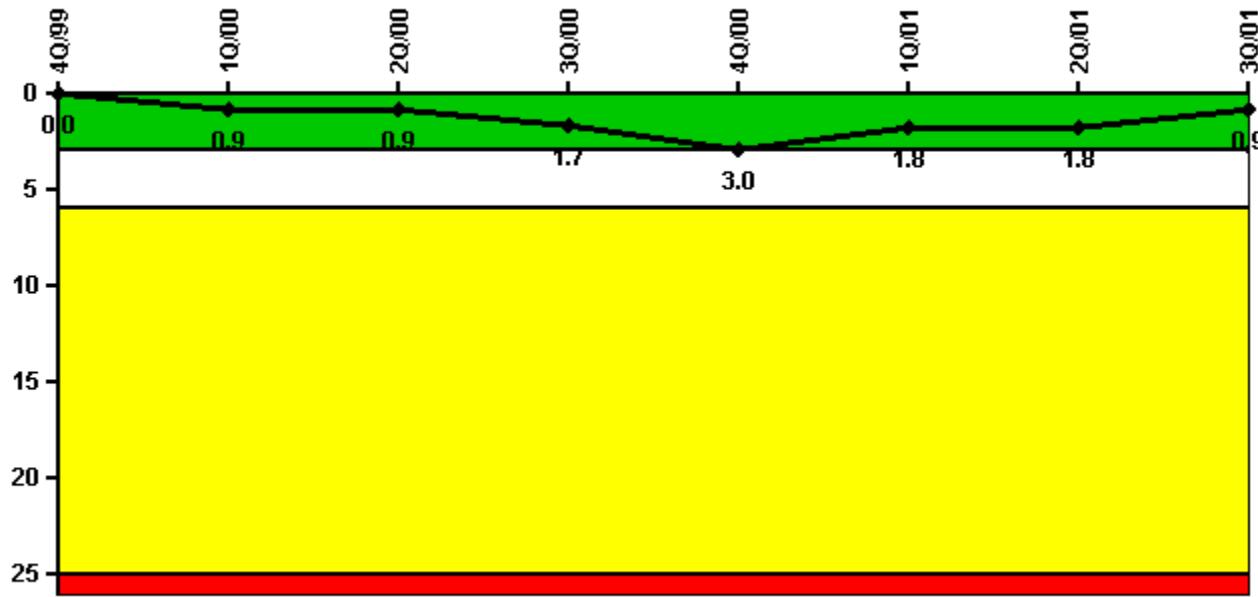


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 27, 2002

Sequoyah 1**3Q/2001 Performance Indicators**

Licensee's General Comments: none

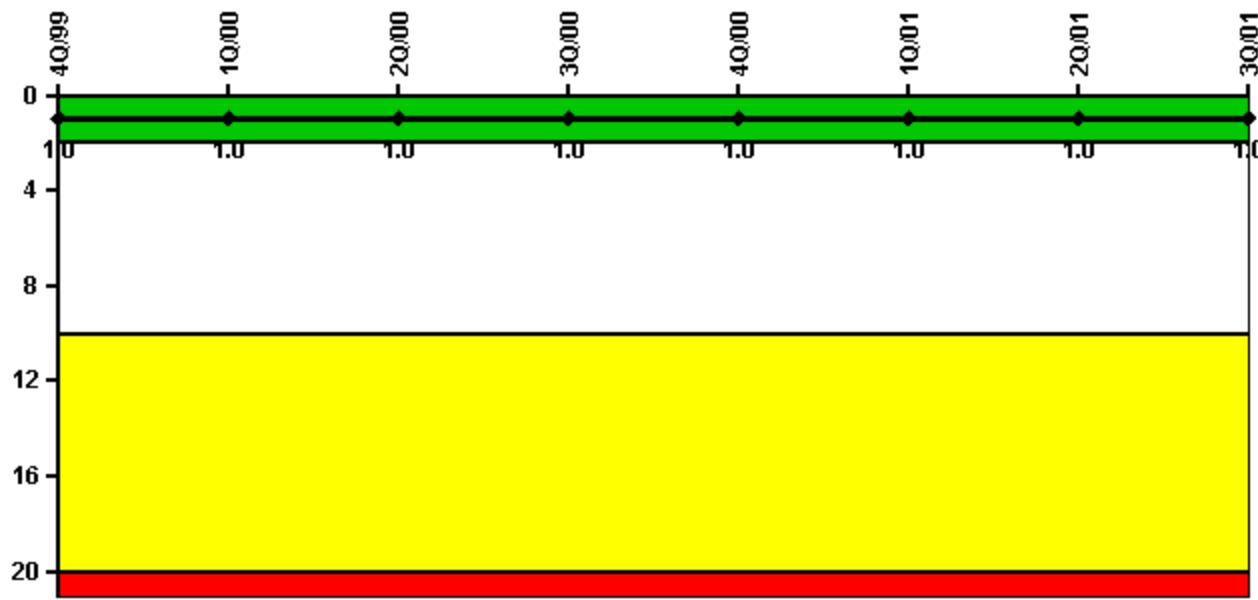
Unplanned Scrams per 7000 Critical Hrs

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	1.0	1.0	0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0
Indicator value	0	0.9	0.9	1.7	3.0	1.8	1.8	0.9

Licensee Comments: none

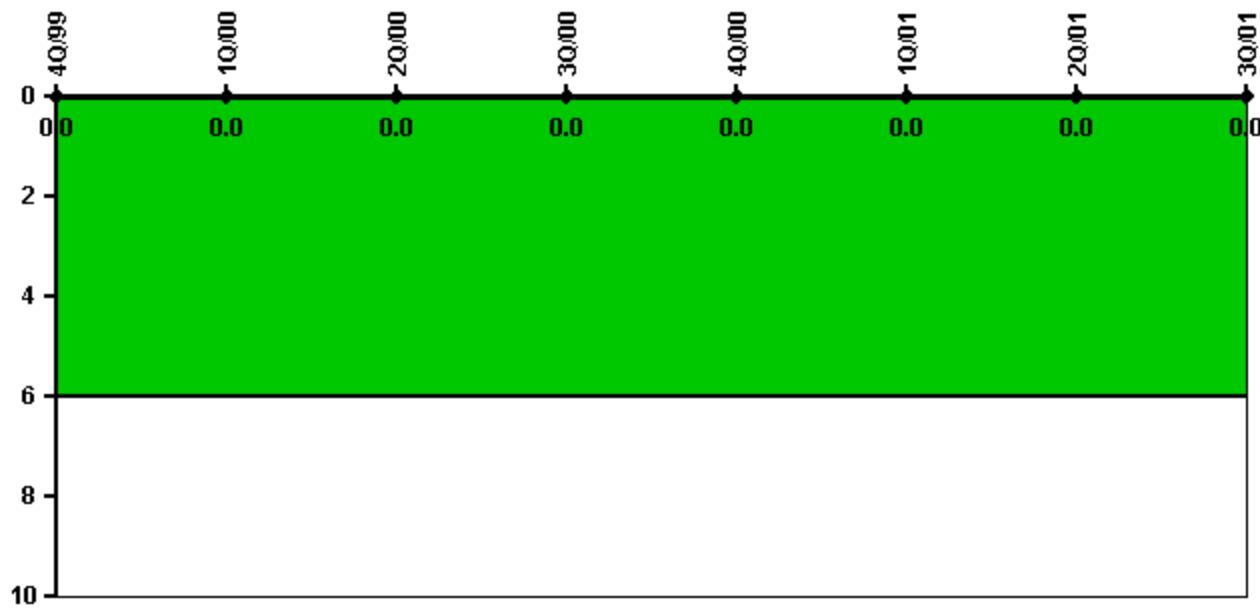
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

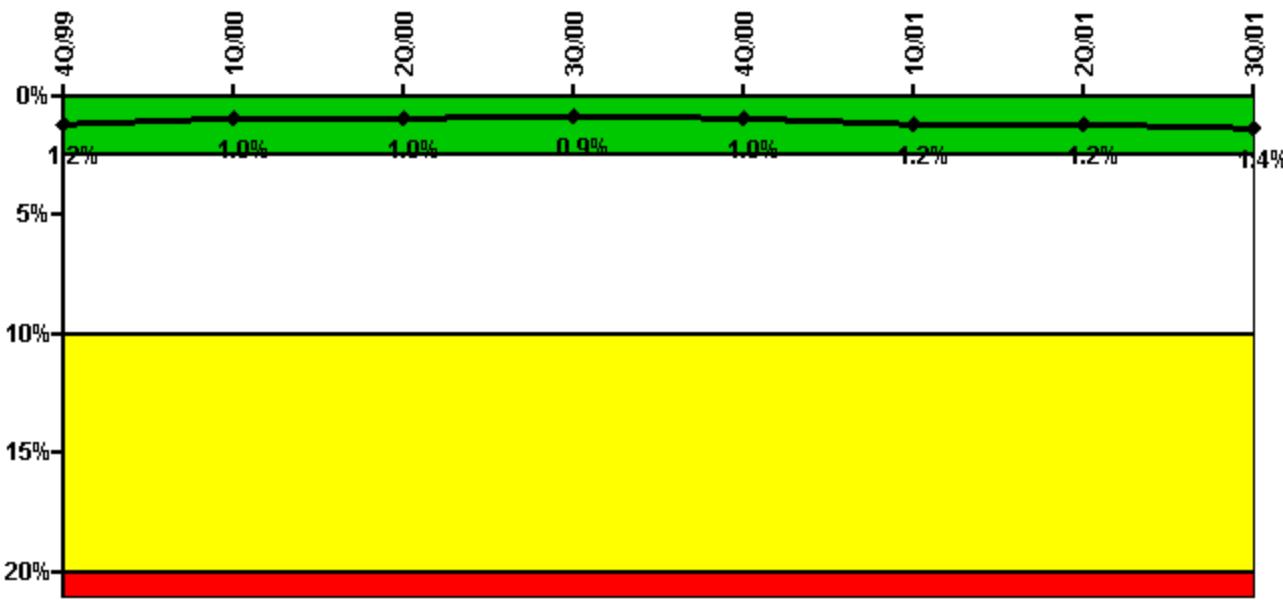
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1									
Planned unavailable hours		0.50	39.95	1.65	9.47	17.92	87.97	4.50	90.72
Unplanned unavailable hours		0	0	0	0	3.77	0	0	0
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		1.60	2.73	134.92	2.20	6.15	57.22	3.62	2.53
Unplanned unavailable hours		0	0	0	0	14.53	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3									
Planned unavailable hours		0	38.47	1.90	2.78	13.10	131.72	4.13	2.13
Unplanned unavailable hours		4.90	0	0	0	24.53	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4									
Planned unavailable hours		2.72	2.17	5.43	4.52	10.50	157.67	8.33	57.95
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value		1.2%	1.0%	1.0%	0.9%	1.0%	1.2%	1.2%	1.4%

Licensee Comments:

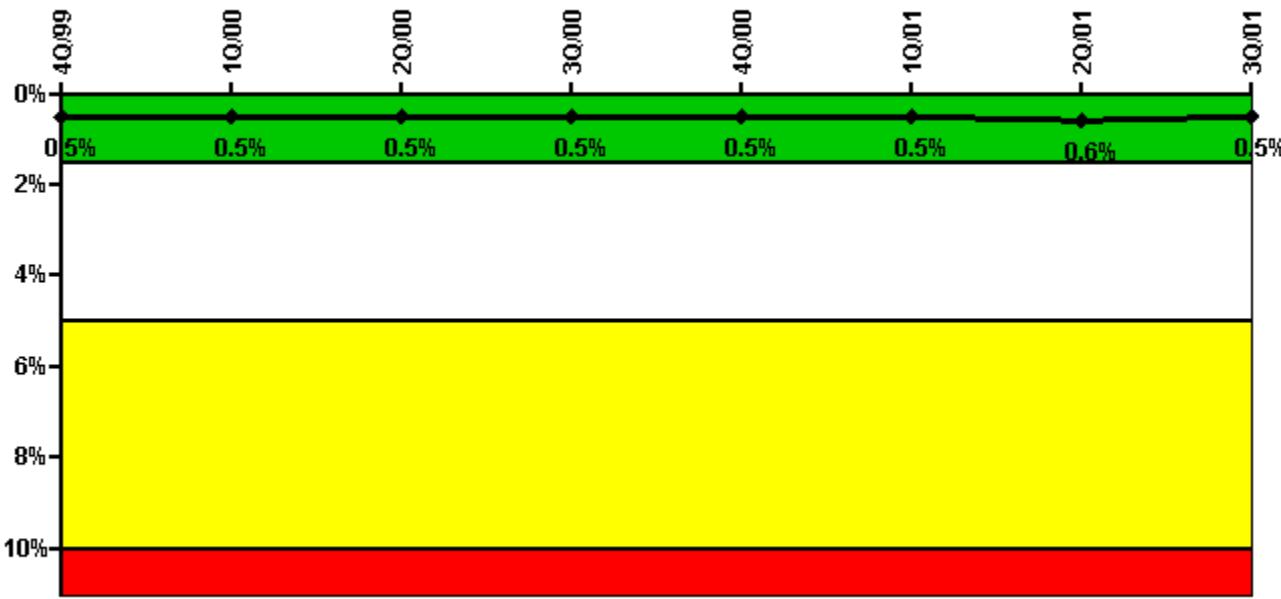
1Q/01: 1) Two and 4 year maintenance outages 2) JAN01 Train 1 hrs and FEB01 Train 3 and Train 4 hrs were revised from unplanned to planned based on review for PER 01-2932-000

4Q/00: All unplanned hrs for DEC00 were changed to planned hrs based review for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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	6.20	13.50	10.30	3.60	0.10	9.50	3.80	2.30
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	1805.00	2183.00	2118.10	1415.90	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.80	3.10	14.00	2.90	17.90	3.80	2.60	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1805.00	2183.00	2118.10	1415.90	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	5.70	3.40	5.40	4.70	2.00	4.50	13.10	3.30

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	1676.40	2183.00	2084.40	1322.90	2160.00	2183.00
Train 4							
Planned unavailable hours	6.20	2.00	8.20	3.30	2.30	8.80	3.60
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	1676.40	2183.00	2084.40	1322.90	2160.00	2183.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.6%

Licensee Comments:

3Q/01: Revised hours on JUL01 train 2 and train 4 and all trains on AUG01 to add SSPS unavailability which was required by FAQ #290.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)Revised hours on APR01 train 1 and train 3, MAY01 train 2 and train 4, and JUN01 train 1 and train 3 to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Unavailability on all 4 trains for JAN01, FEB01 train 1 and train 3, and MAR01 train 2 and train 4 were revised to add SSPS unavailability which was required by FAQ #290.

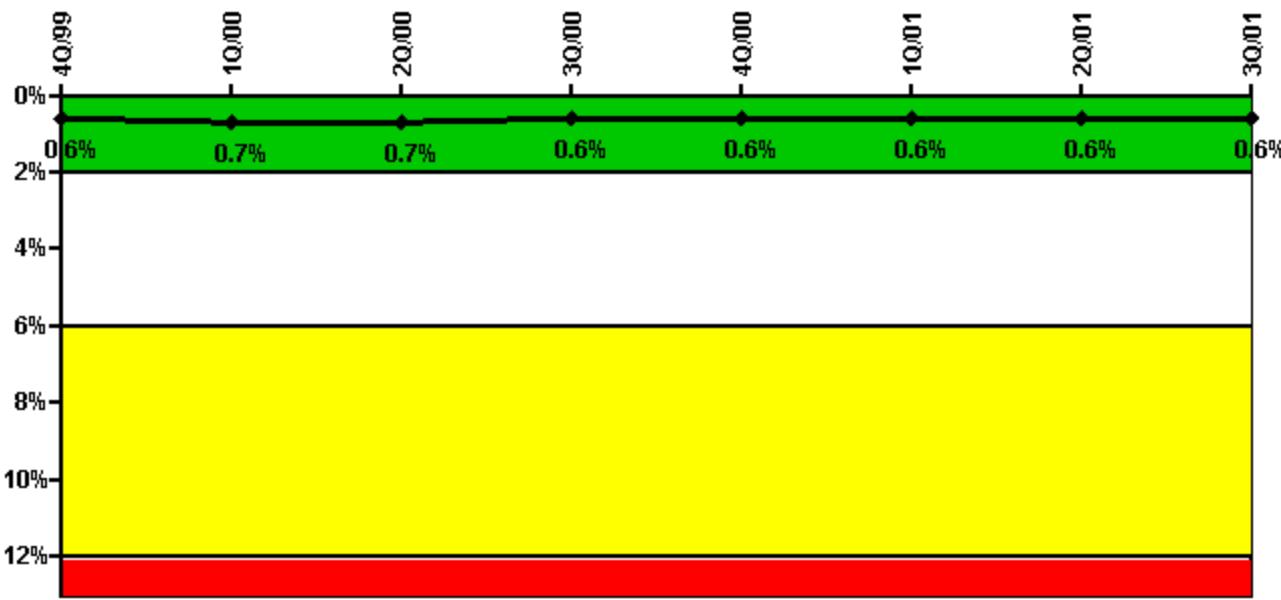
4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 and train 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

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		7.80	9.20	12.75	2.92	0	3.32	56.02	1.93
Unplanned unavailable hours		0	0	1.02	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	1661.17	2183.00	2084.40	1322.90	2160.00	2183.00	2208.00
Train 2									
Planned unavailable hours		6.00	3.15	19.97	2.29	2.10	6.67	12.79	3.74
Unplanned unavailable hours		0	0	0	0	0	0	0	0
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	1670.70	2183.00	2118.10	1362.10	2160.00	2183.00	2208.00
Train 3									
Planned unavailable hours		20.50	31.60	8.60	2.32	1.00	7.65	4.44	7.59
Unplanned unavailable hours		0	0	0	0	0	0	0	0
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	1619.90	2183.00	2084.40	1274.90	2160.00	2183.00	2208.00
Indicator value		0.6%	0.7%	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%

Licensee Comments:

2Q/01: 1) May00, Jul00 and Sep00 unavailability was revised to include testing unavailability. 2) Hours for APR01 train 1, MAY01 train 2 and JUN01 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: Hours were revised for JAN01 train 1 and train 2, FEB01 train 1, and MAR01 train 2 to add SSPS unavailability which was required by FAQ #290.

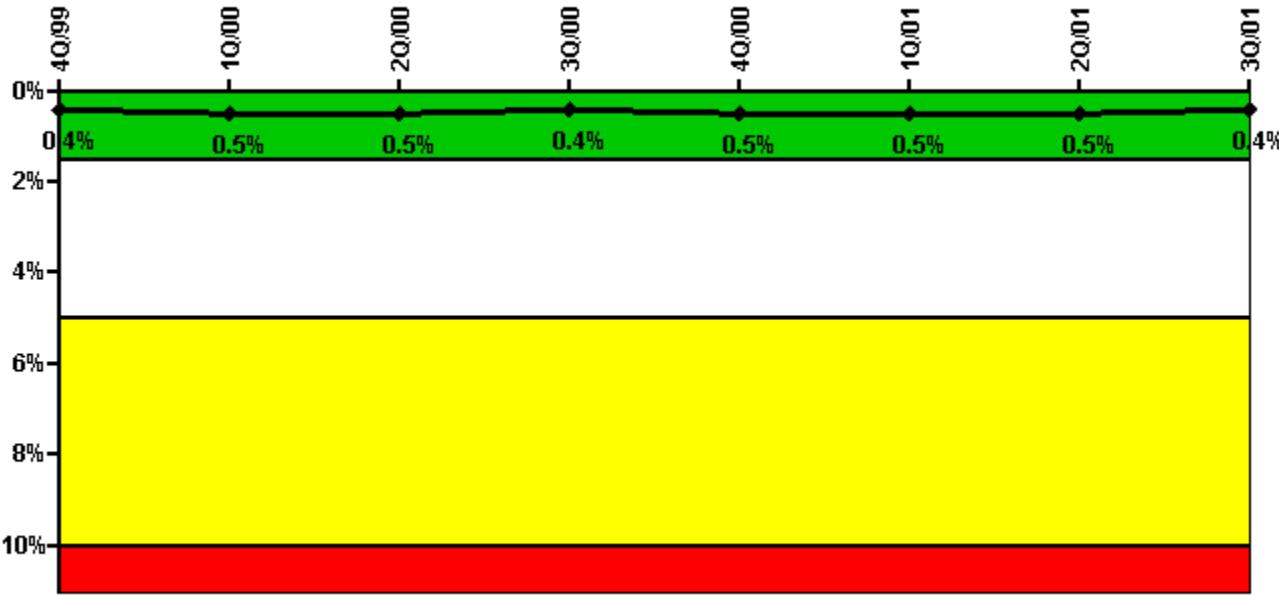
4Q/00: DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)July00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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		1.80	15.40	2.10	3.00	13.00	10.20	11.70	7.30
Unplanned unavailable hours		0	0	0	2.10	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00
Train 2									
Planned unavailable hours		2.50	16.00	9.40	1.70	7.10	9.40	2.50	11.90

Unplanned unavailable hours	0	0	0	2.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00
Indicator value	0.4%	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%	0.4%

Licensee Comments:

3Q/01: JUL01 train 2 and AUG01 train 1 and train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)APR01 train 1, MAY01 train 2 and JUN01 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JAN01 train 1 and train 2, FEB01 train 1 and MAR01 train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

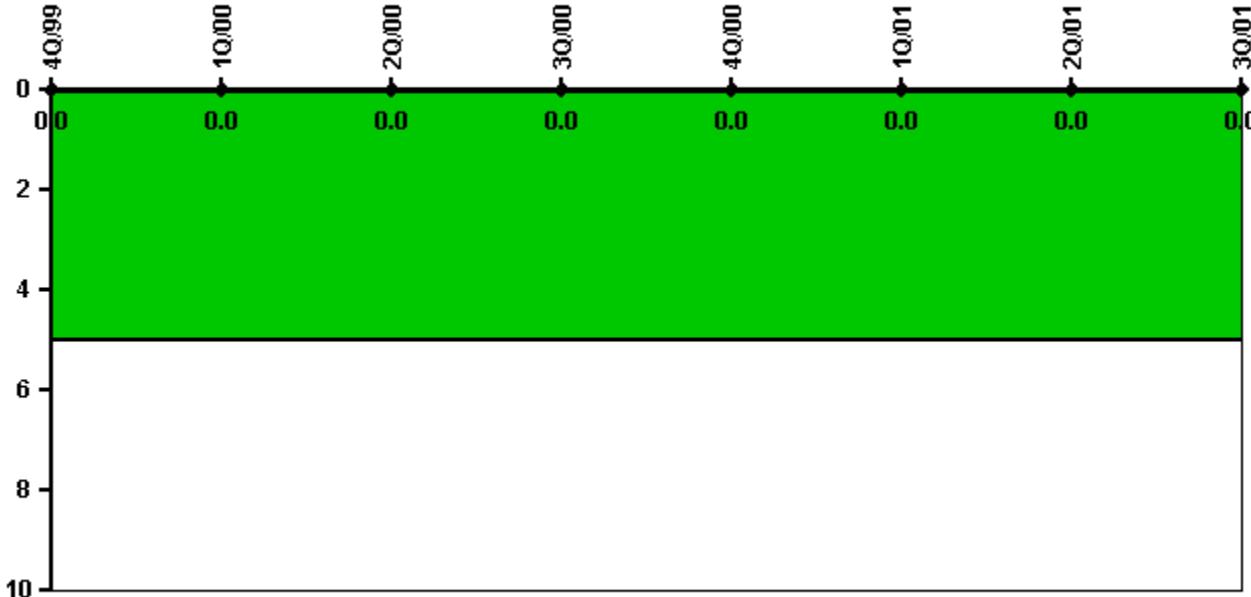
4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 was revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



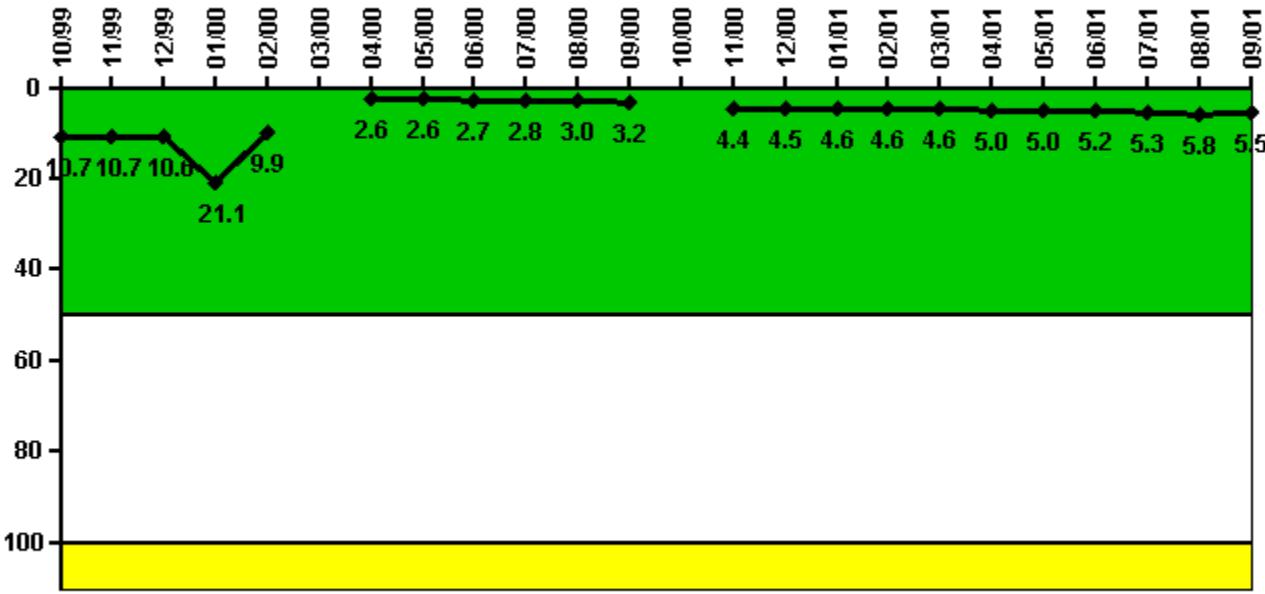
Thresholds: White > 5.0

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	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

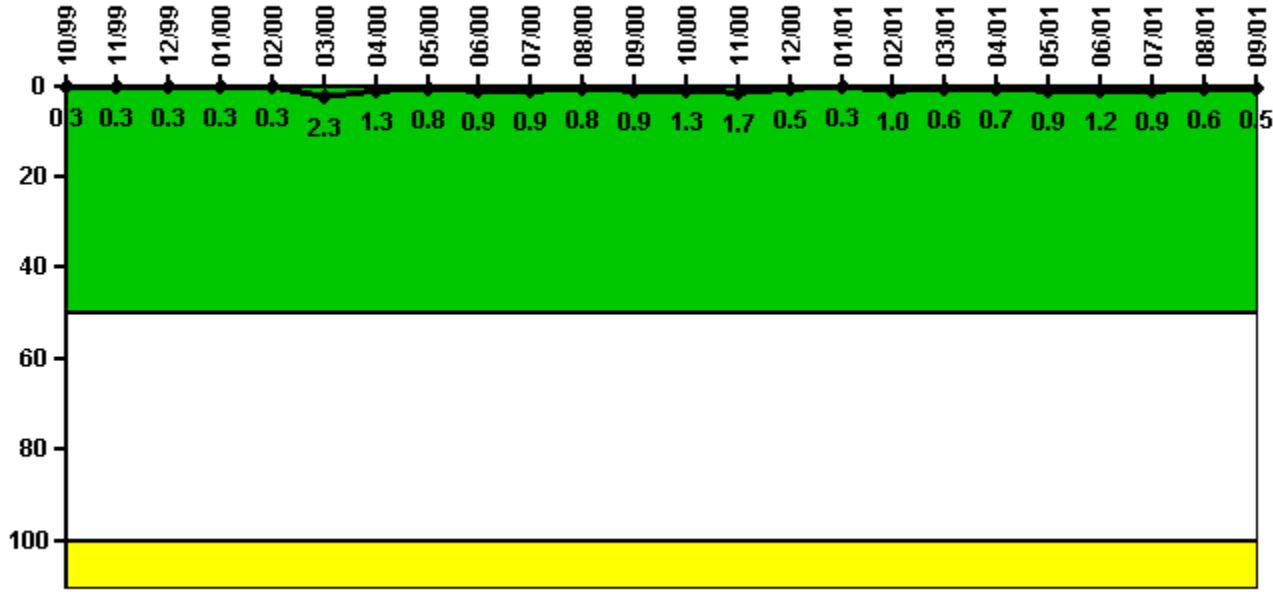
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.037600	0.037400	0.037200	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.7	10.7	10.6	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2

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	N/A	0.011000	0.011200	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	N/A	4.4	4.5	4.6	4.6	4.6	5.0	5.0	5.2	5.3	5.8	5.5

Licensee Comments: none

Reactor Coolant System Leakage



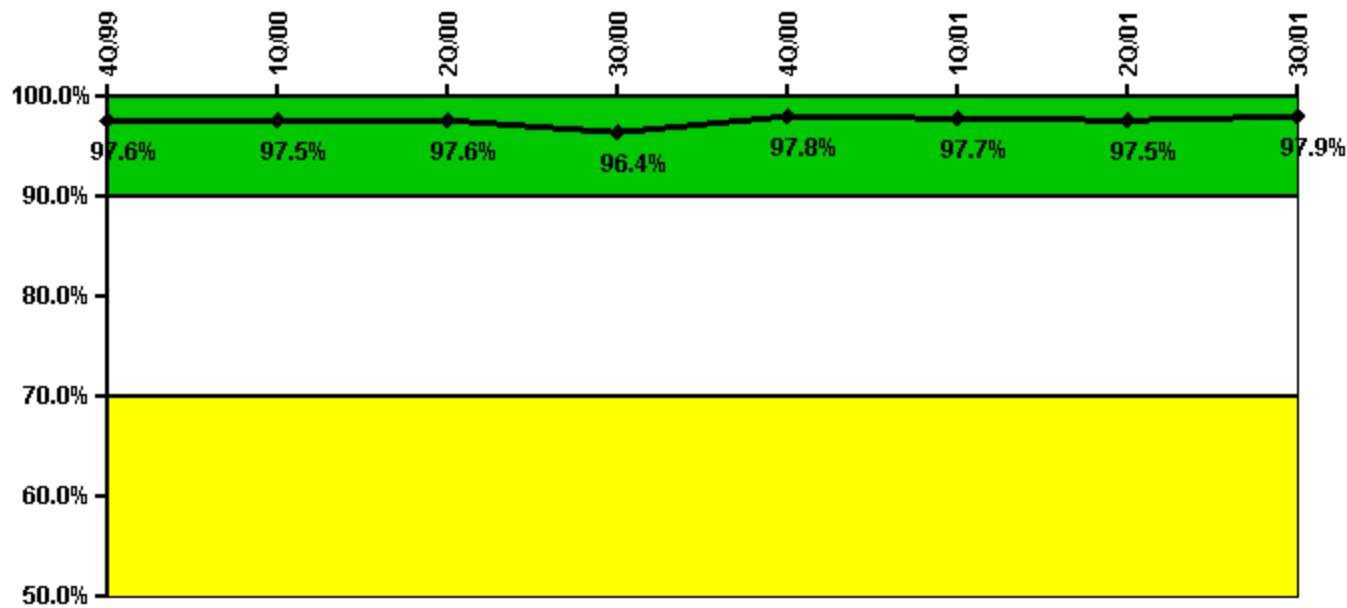
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.030	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9

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	0.130	0.170	0.050	0.030	0.100	0.060	0.070	0.090	0.120	0.090	0.060	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.7	0.5	0.3	1.0	0.6	0.7	0.9	1.2	0.9	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance

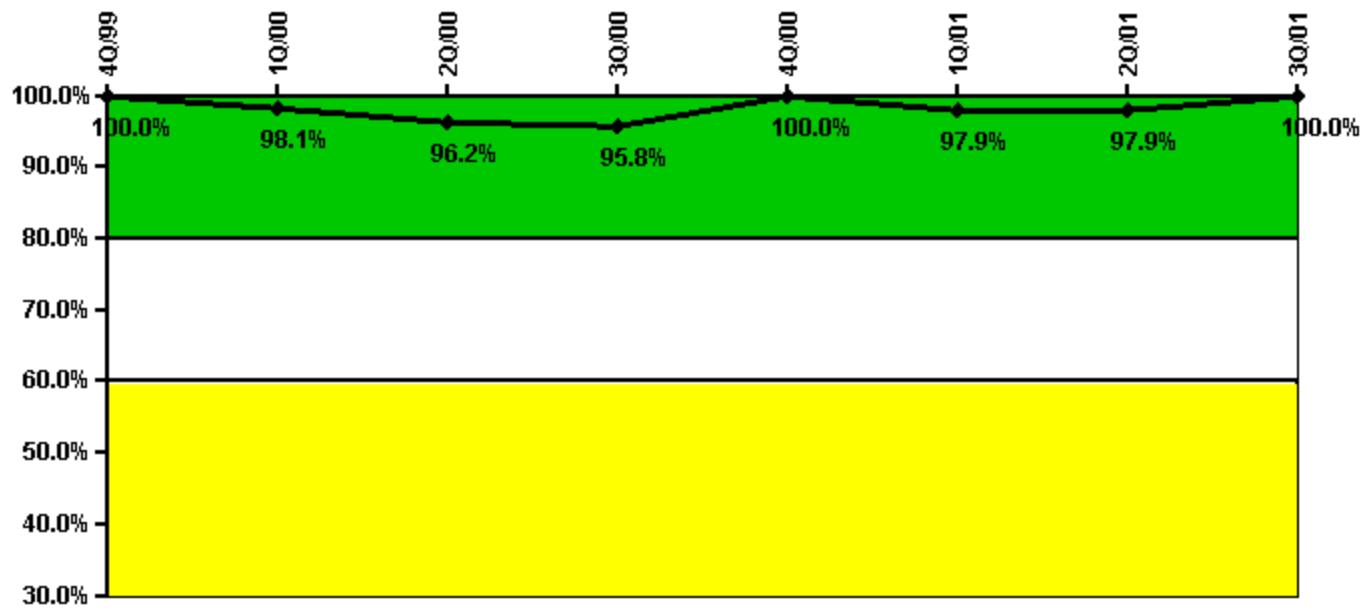
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	34.0	0	8.0	23.0	38.0	0	4.0	31.0
Total opportunities	34.0	0	8.0	25.0	38.0	0	4.0	32.0
Indicator value	97.6%	97.5%	97.6%	96.4%	97.8%	97.7%	97.5%	97.9%

Licensee Comments: none

ERO Drill Participation



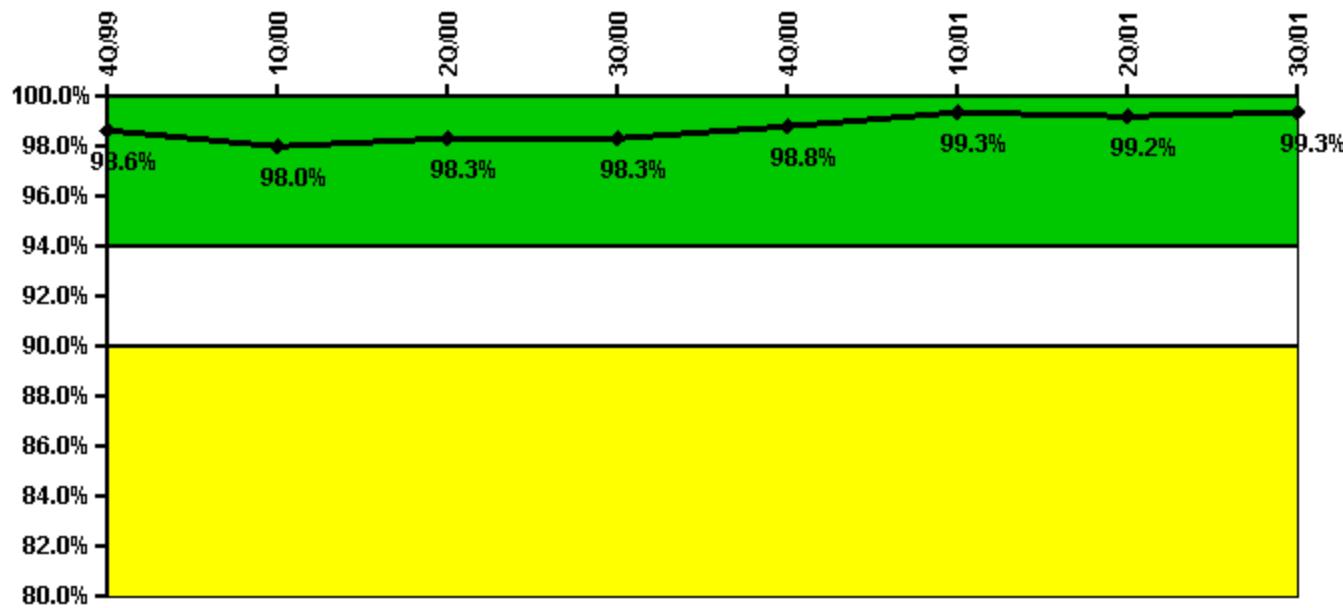
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	54.0	52.0	50.0	46.0	47.0	46.0	47.0	56.0
Total Key personnel	54.0	53.0	52.0	48.0	47.0	47.0	48.0	56.0
Indicator value	100.0%	98.1%	96.2%	95.8%	100.0%	97.9%	97.9%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	741	945	856	963	863	749	961	859
Total sirens-tests	756	972	864	972	864	756	972	864
Indicator value	98.6%	98.0%	98.3%	98.3%	98.8%	99.3%	99.2%	99.3%

Licensee Comments: none

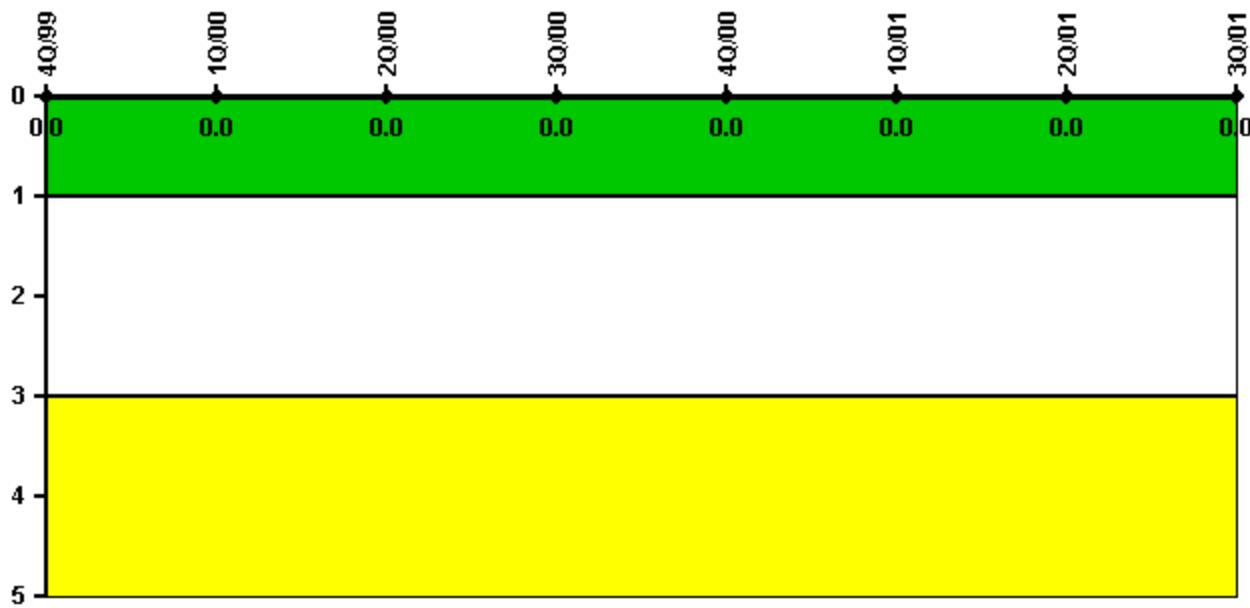
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

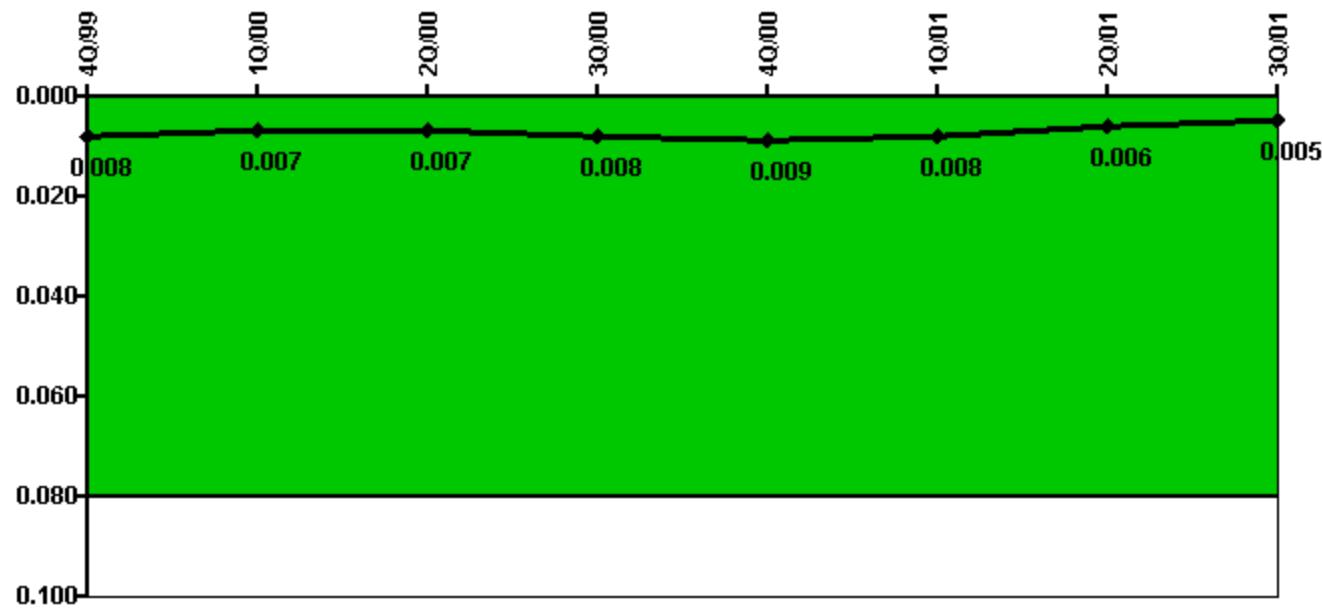
RETS/ODCM Radiological Effluent

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

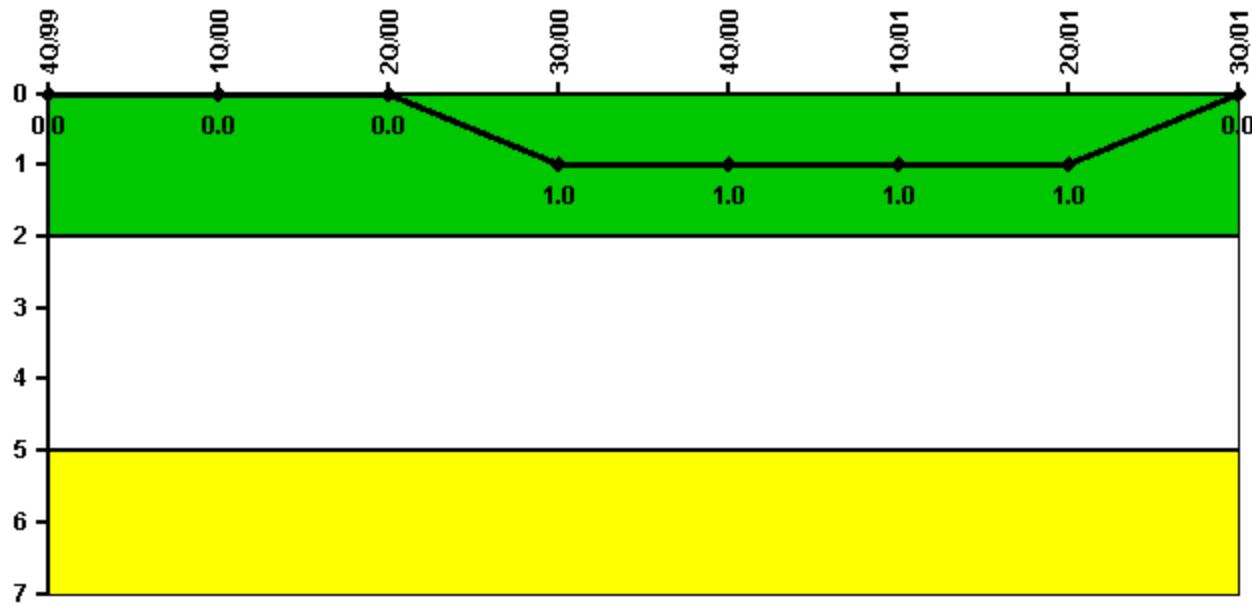
Thresholds: White > 0.080

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	87.17	12.40	166.40	117.21	135.00	73.67	42.11	41.09
CCTV compensatory hours	0	72.9	12.9	1.3	3.2	0.2	0.2	29.9
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.007	0.007	0.008	0.009	0.008	0.006	0.005

Licensee Comments: none

Personnel Screening Program

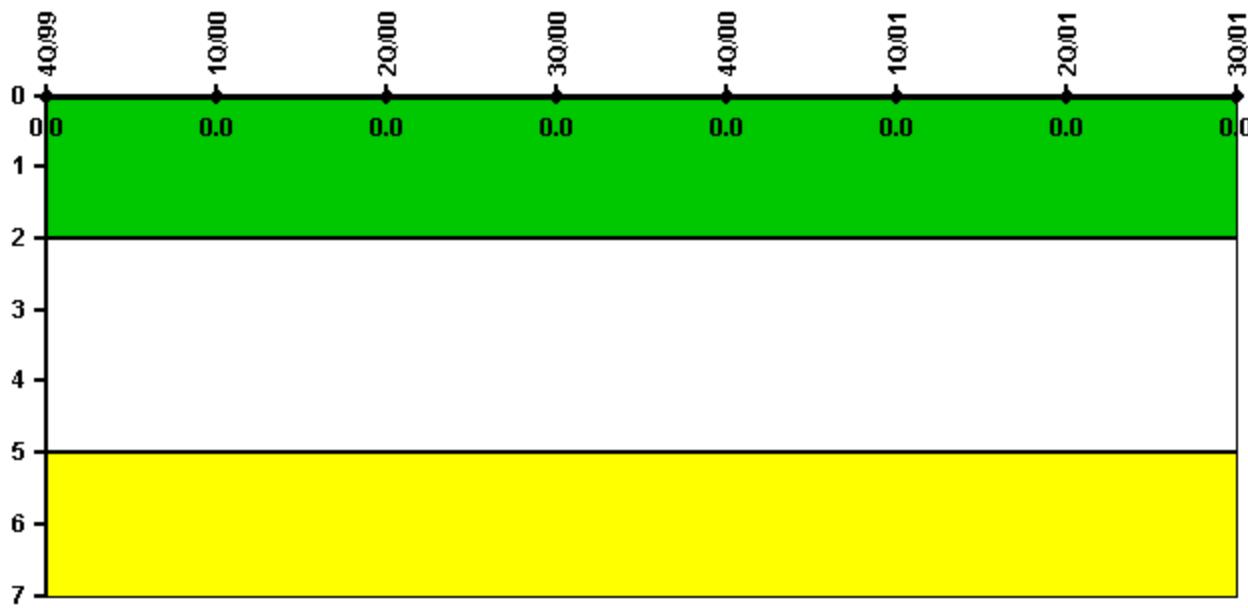


Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	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

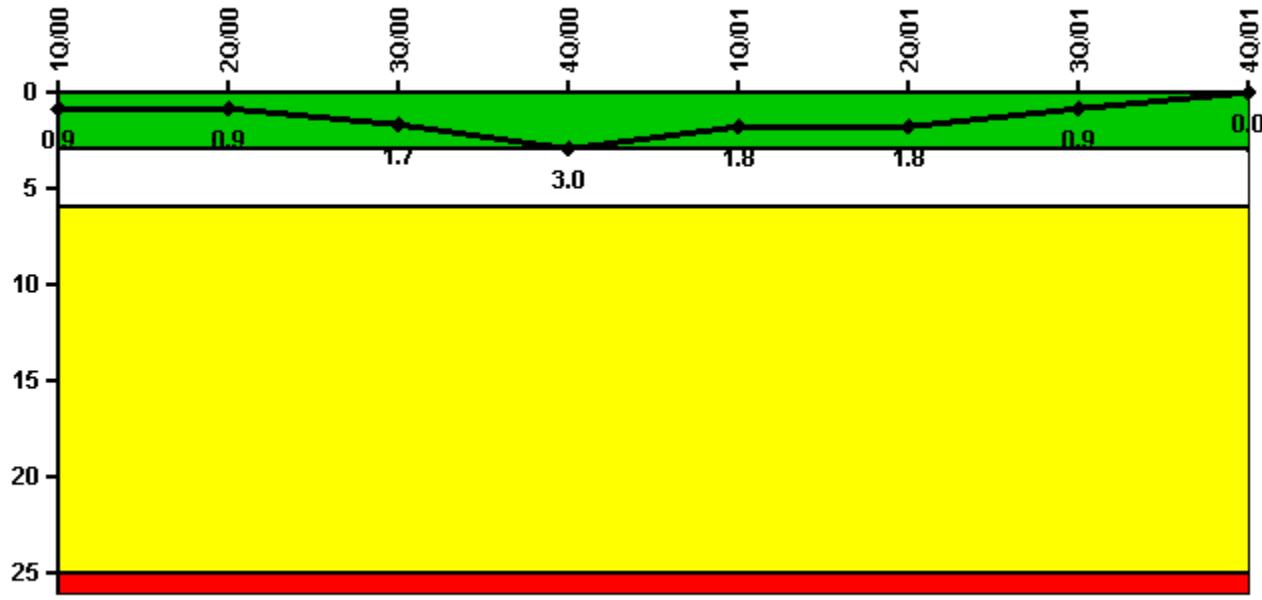


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002

Sequoyah 1**4Q/2001 Performance Indicators**

Licensee's General Comments: Quarterly report for end of 2001

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	1.0	1.0	0	0	0	0
Critical hours	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2
Indicator value	0.9	0.9	1.7	3.0	1.8	1.8	0.9	0

Licensee Comments: none

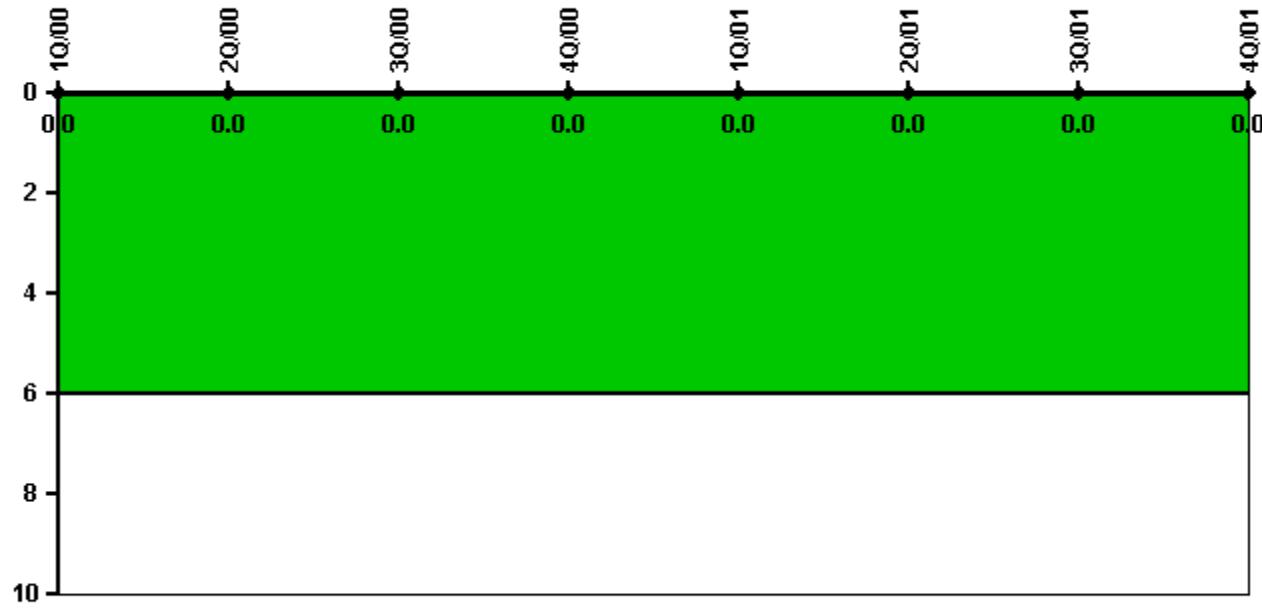
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

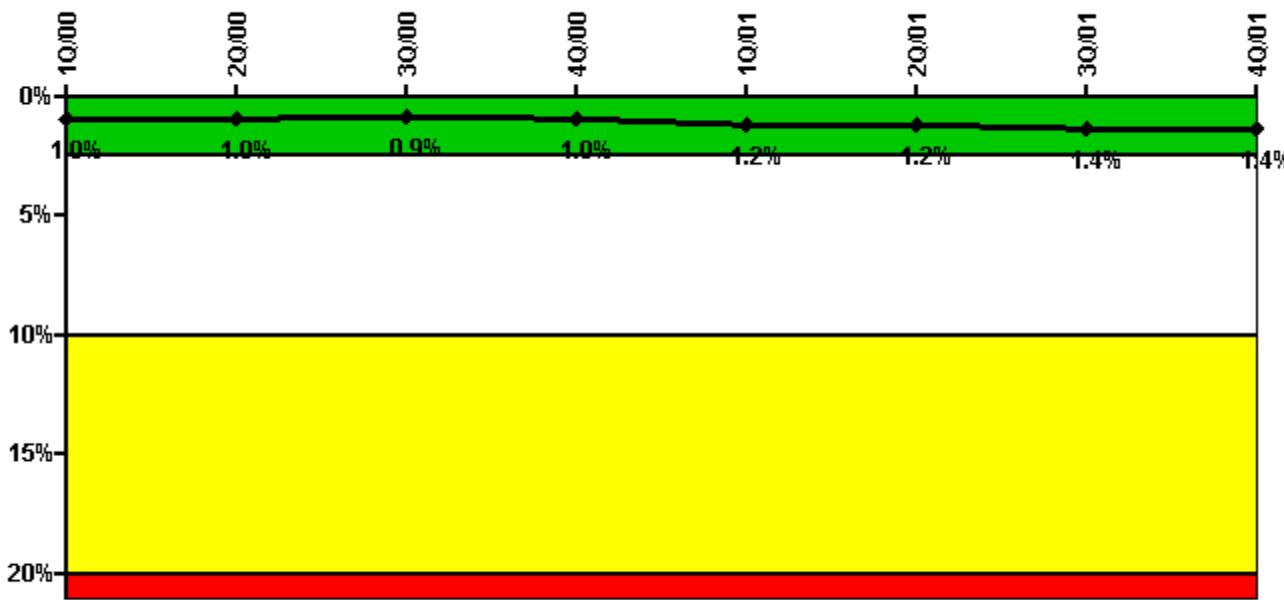
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1600.7	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		39.95	1.65	9.47	17.92	87.97	4.50	90.72	123.50
Unplanned unavailable hours		0	0	0	3.77	0	0	0	0
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		2.73	134.92	2.20	6.15	57.22	3.62	2.53	7.08
Unplanned unavailable hours		0	0	0	14.53	0	0	0	0
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 3									
Planned unavailable hours		38.47	1.90	2.78	13.10	131.72	4.13	2.13	1.95
Unplanned unavailable hours		0	0	0	24.53	0	0	0	24.17
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4									
Planned unavailable hours		2.17	5.43	4.52	10.50	157.67	8.33	57.95	9.87
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		2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value		1.0%	1.0%	0.9%	1.0%	1.2%	1.2%	1.4%	1.4%

Licensee Comments:

4Q/01: 1) Evaluating potential fault exposure on train 3. Will complete Q1/2002. 2) Impact of SSPS unavailability associated with Emergency Diesel Generators is being evaluated (Reference FAQ 290).

1Q/01: 1) Two and 4 year maintenance outages 2) JAN01 Train 1 hrs and FEB01 Train 3 and Train 4 hrs were revised from unplanned to planned based on review for PER 01-2932-000

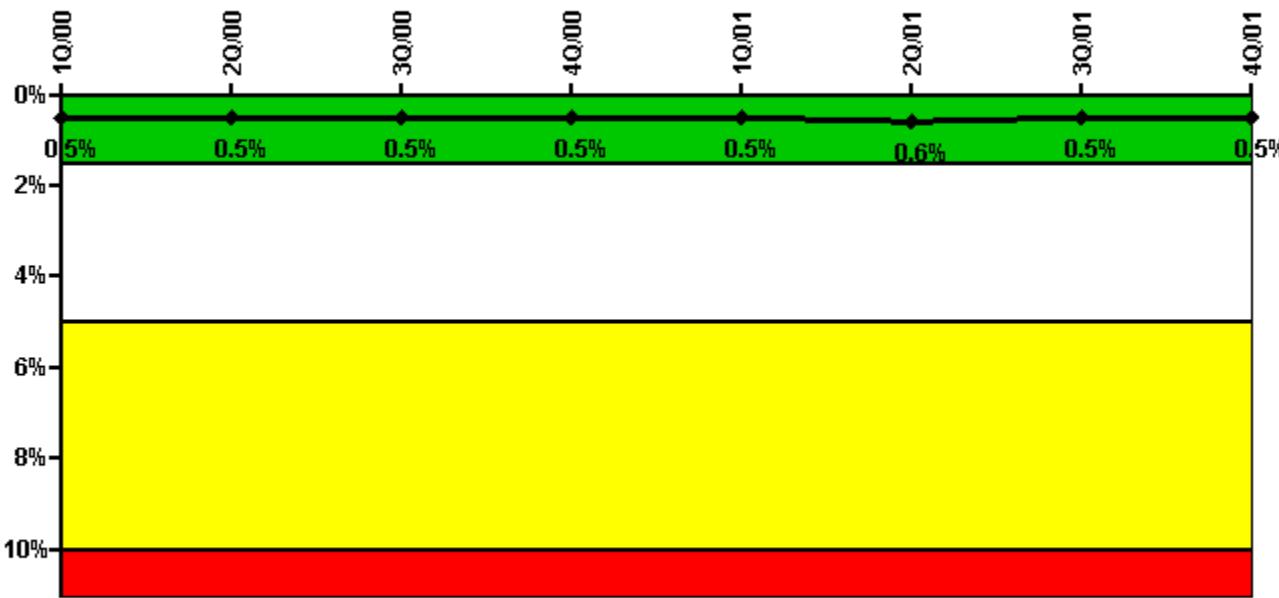
4Q/2001 Performance Indicators - Sequoyah 1

4Q/00: All unplanned hrs for DEC00 were changed to planned hrs based review for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were revised to planned hrs based on review for PER 01-2932-000

4Q/99: NOV99 Train 4 hrs were changed from unplanned to planned based on review performed for PER 01-2932-000

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		13.50	10.30	3.60	0.10	9.50	3.80	2.30	1.90
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		1805.00	2183.00	2118.10	1415.90	2160.00	2183.00	2208.00	1526.20
Train 2									
Planned unavailable hours		3.10	14.00	2.90	17.90	3.80	2.60	5.20	1.80
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		1805.00	2183.00	2118.10	1415.90	2160.00	2183.00	2208.00	1526.20
Train 3									
Planned unavailable hours		3.40	5.40	4.70	2.00	4.50	13.10	3.30	4.60
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		1676.40	2183.00	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10
Train 4									
Planned unavailable hours		2.00	8.20	3.30	2.30	8.80	3.60	5.10	2.30
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		1676.40	2183.00	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10

Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%
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Licensee Comments:

3Q/01: Revised hours on JUL01 train 2 and train 4 and all trains on AUG01 to add SS/PS unavailability which was required by FAQ #290.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)Revised hours on APR01 train 1 and train 3, MAY01 train 2 and train 4, and JUN01 train 1 and train 3 to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Unavailability on all 4 trains for JAN01, FEB01 train 1 and train 3, and MAR01 train 2 and train 4 were revised to add SSPS unavailability which was required by FAQ #290.

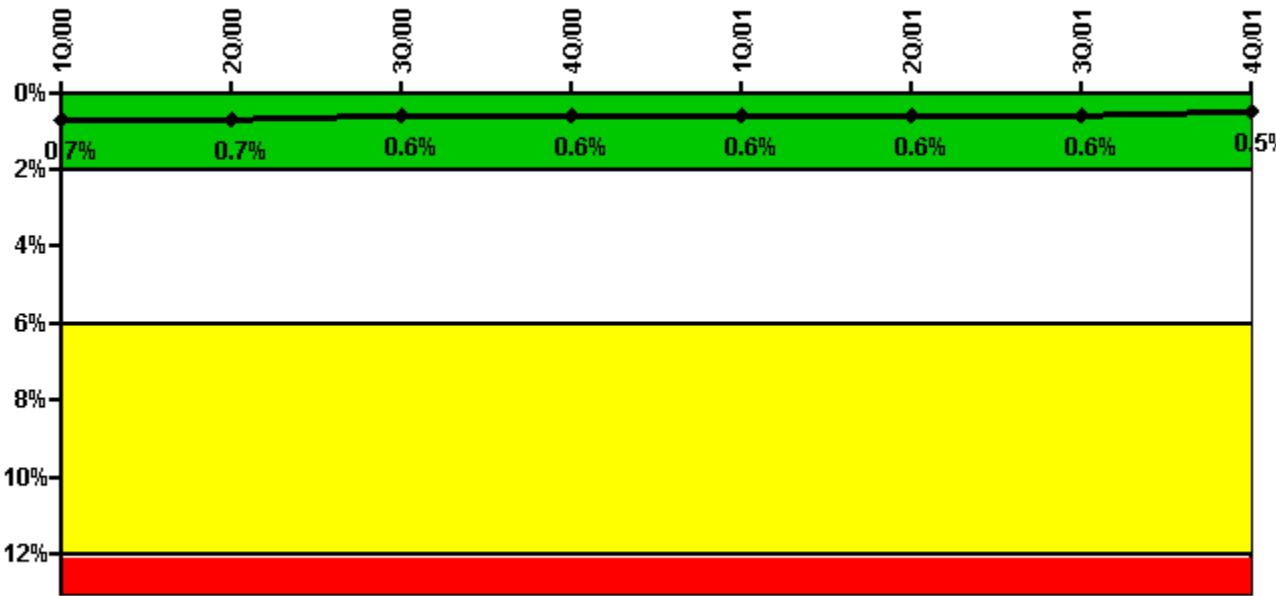
4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 and train 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1 and train 3, AUG00 train 2 and train 4, and SEP00 train 1 and train 3 hours were revised to add SS/PS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2 and 4, MAY00 train 1 and 3, and JUN00 train 2 and 4 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Planned unavailable hours	3.15	19.97	2.29	2.10	6.67	12.79	3.74	10.63
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1670.70	2183.00	2118.10	1362.10	2160.00	2183.00	2208.00	1526.20
Train 3								
Planned unavailable hours	31.60	8.60	2.32	1.00	7.65	4.44	7.59	2.15
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	1619.90	2183.00	2084.40	1274.90	2160.00	2183.00	2208.00	1483.10
Indicator value	0.7%	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%

Licensee Comments:

2Q/01: 1)May00, Jul00 and Sep00 unavailability was revised to include testing unavailability. 2)Hours for APR01 train 1, MAY01 train 2 and JUN01 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: Hours were revised for JAN01 train 1 and train 2, FEB01 train 1, and MAR01 train 2 to add SSPS unavailability which was required by FAQ #290.

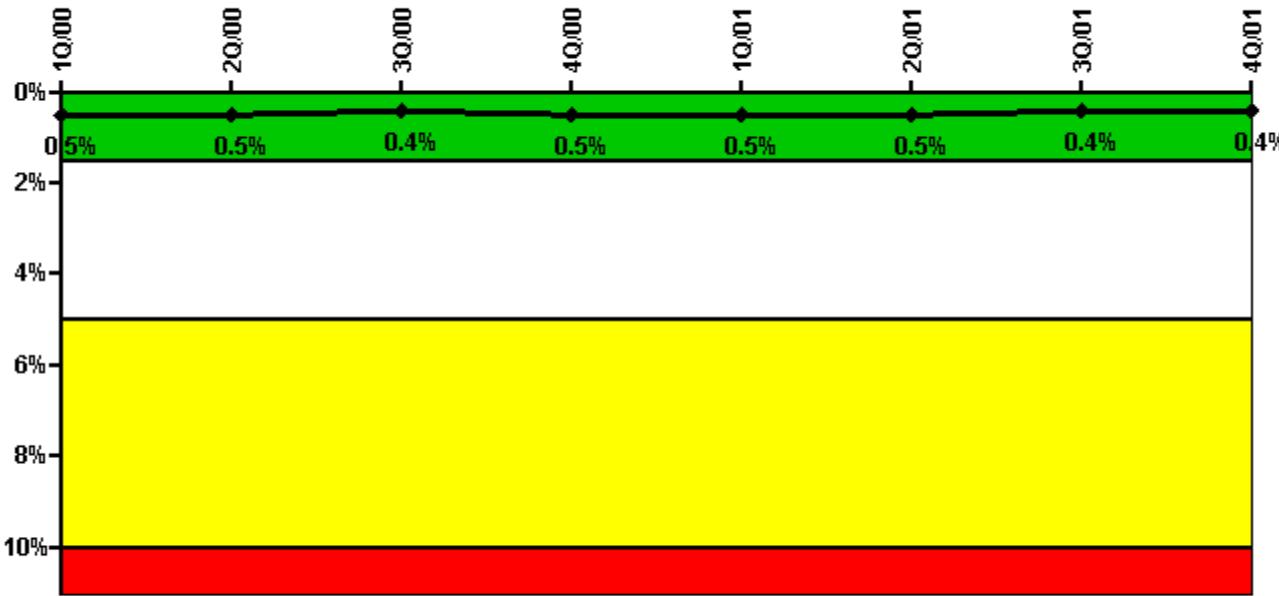
4Q/00: DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)JULY00 Train 1 changed to include testing unavailability. 2)Hours for JUL00 train 1, AUG00 train 2 and SEP00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)May00 Train 1 revised to include testing unavailability. 2)Hours for APR00 train 2, MAY00 train 1 and JUN00 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: 1)The amount of unavailability time initially submitted (26.25 hours) for train 3 {the Sequoyah 1-S train (terry turbine)} of auxiliary feedwater for March, 2000 was overly conservative. Additionally, the number of hours this train was required was also incorrect (originally reported as 368.2 hours). During the plant startup after refueling (U1C10), entry into mode 3 was made with an information LCO documented on AFW (3.7.1.2.a). When steam pressure is greater than or equal to 842 psig, the plant has 24 hours to make the TDAFW pump operable after testing. The information LCO is used to ensure testing is done within this time period. If the TDAFW pump is not operable after the 24 hours, then the pump is unavailable. Reference 0-GO-1. Train 1 and 2 (Sequoyah trains 1A and 1B) number of hours required were also updated to reflect the true number of hours required versus tech spec requirements. This data revision was submitted by Quinn Leonard and reviewed by David Branham. Reference PER 00-005938-000. 2)Train 1 for Mar00 was revised to add SSPS unavailability which was required by FAQ #290.

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	15.40	2.10	3.00	13.00	10.20	11.70	7.30	8.90
Unplanned unavailable hours	0	0	2.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50
Train 2								
Planned unavailable hours	16.00	9.40	1.70	7.10	9.40	2.50	11.90	8.00
Unplanned unavailable hours	0	0	2.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.80	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50
Indicator value	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%	0.4%	0.4%

Licensee Comments:

3Q/01: JUL01 train 2 and AUG01 train 1 and train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/01: 1)Revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. 2)APR01 train 1, MAY01 train 2 and JUN01 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JAN01 train 1 and train 2, FEB01 train 1 and MAR01 train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

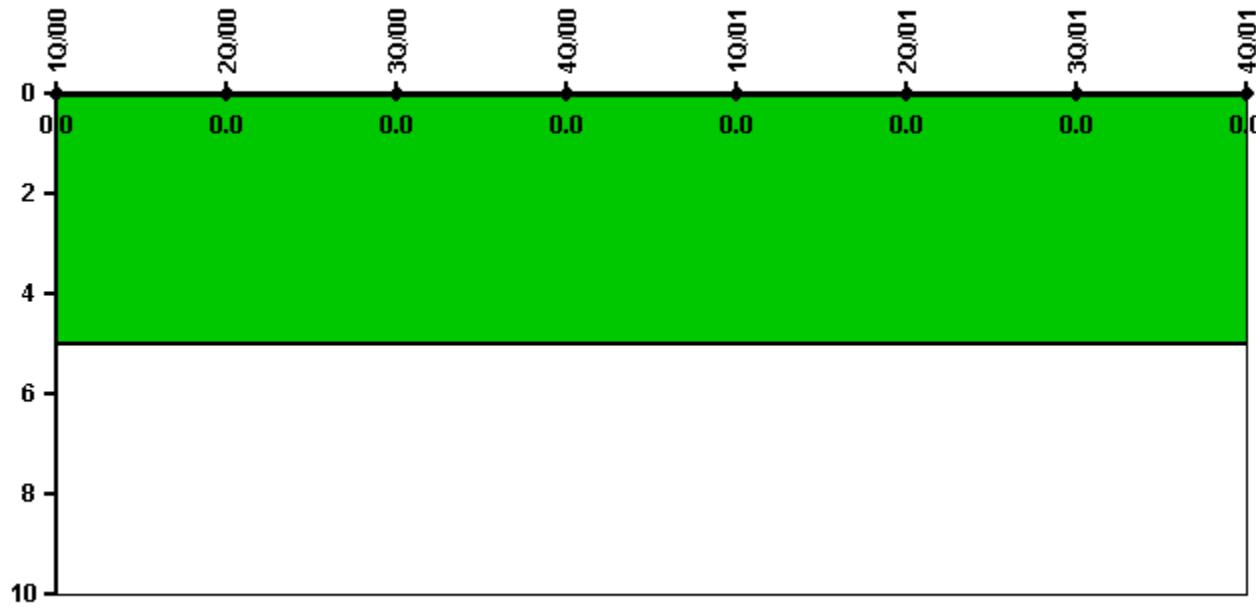
4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 train 2 was revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)JUL00 train 1, AUG00 train 2 and SEP00 train 1 unavailability was revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)APR00 train 2, MAY00 train 1 and JUN00 train 2 unavailability hrs were changed to add SSPS unavailability which was required by FAQ #290.

1Q/00: FEB00 train 1 data revised to add SSPS unavailability which was required by FAQ #290

Safety System Functional Failures (PWR)



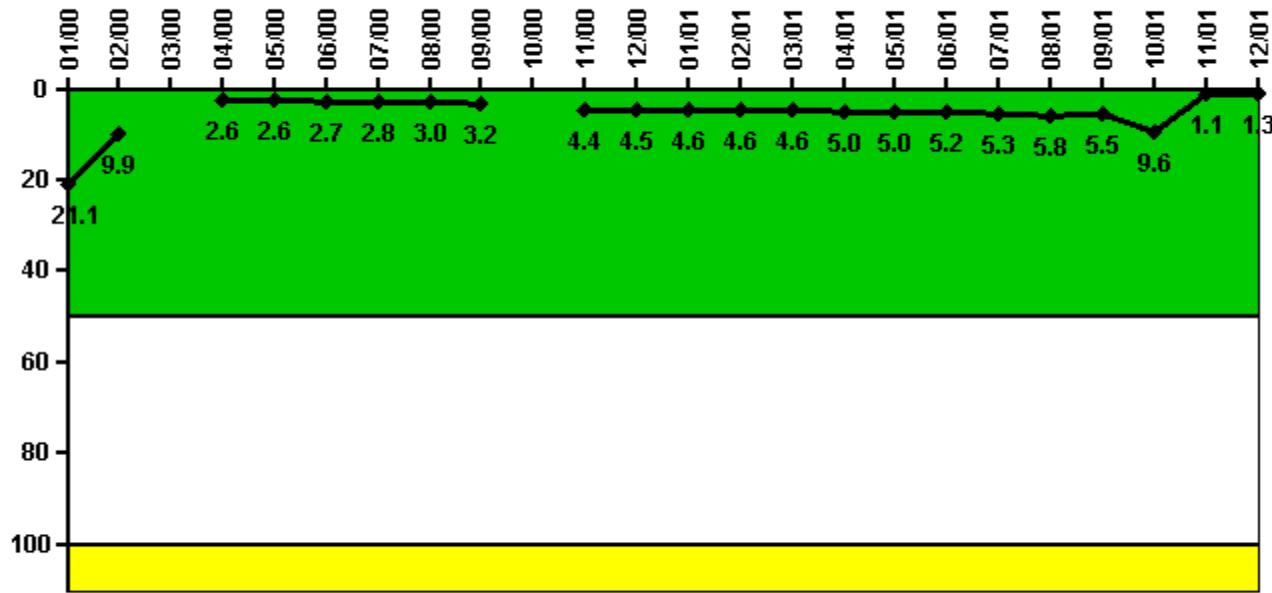
Thresholds: White > 5.0

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	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

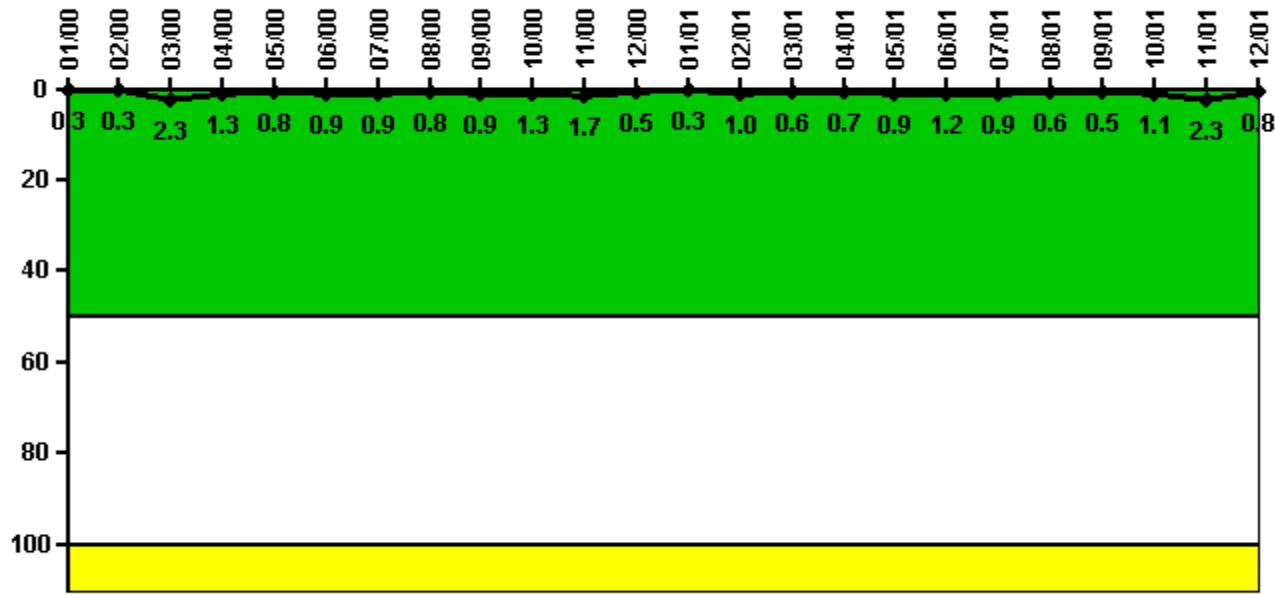
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.074000	0.034700	N/A	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100	N/A	0.011000	0.011200
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Indicator value	21.1	9.9	N/A	2.6	2.6	2.7	2.8	3.0	3.2	N/A	4.4	4.5

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	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.6	4.6	4.6	5.0	5.0	5.2	5.3	5.8	5.5	9.6	1.1	1.3

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

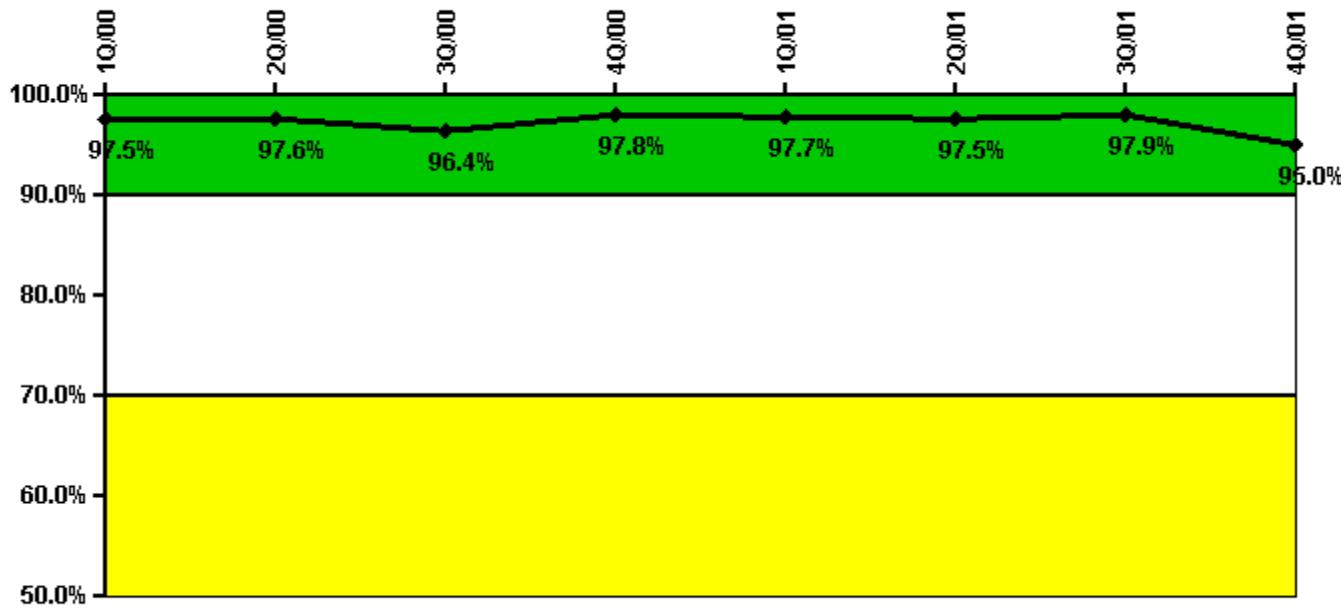
Notes

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	0.030	0.030	0.230	0.130	0.080	0.090	0.090	0.080	0.090	0.130	0.170	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	2.3	1.3	0.8	0.9	0.9	0.8	0.9	1.3	1.7	0.5

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.030	0.100	0.060	0.070	0.090	0.120	0.090	0.060	0.050	0.110	0.230	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	1.0	0.6	0.7	0.9	1.2	0.9	0.6	0.5	1.1	2.3	0.8

Licensee Comments: none

Drill/Exercise Performance



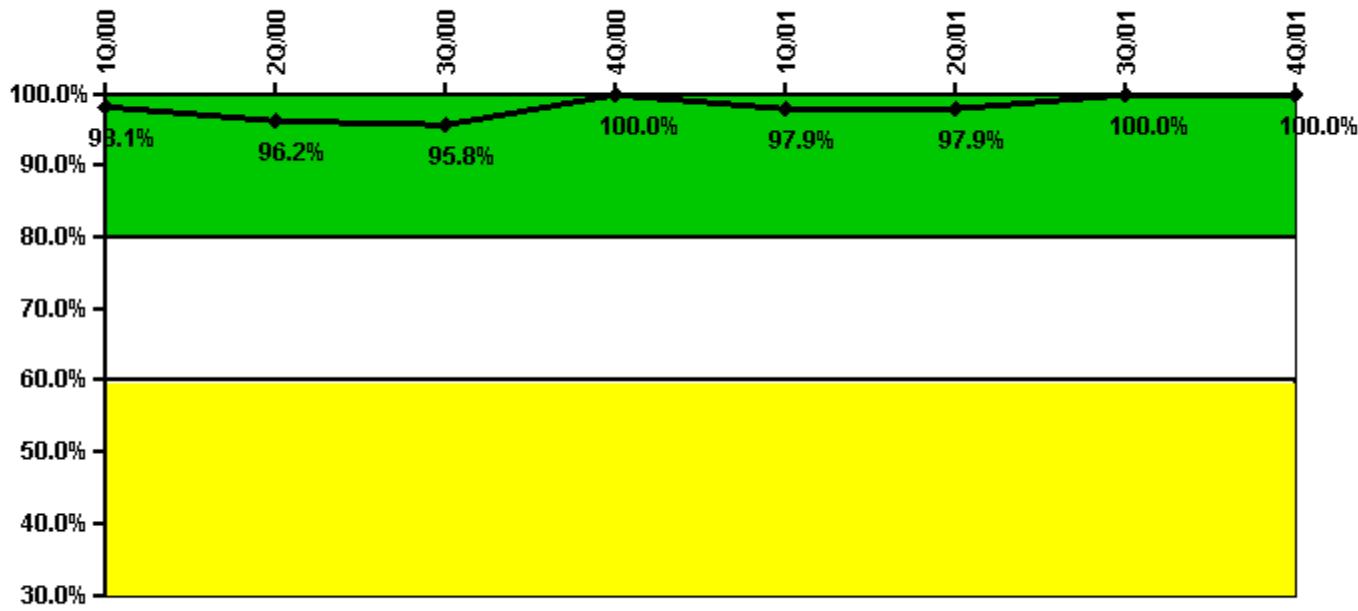
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	0	8.0	23.0	38.0	0	4.0	31.0	30.0
Total opportunities	0	8.0	25.0	38.0	0	4.0	32.0	34.0
Indicator value	97.5%	97.6%	96.4%	97.8%	97.7%	97.5%	97.9%	95.0%

Licensee Comments: none

ERO Drill Participation



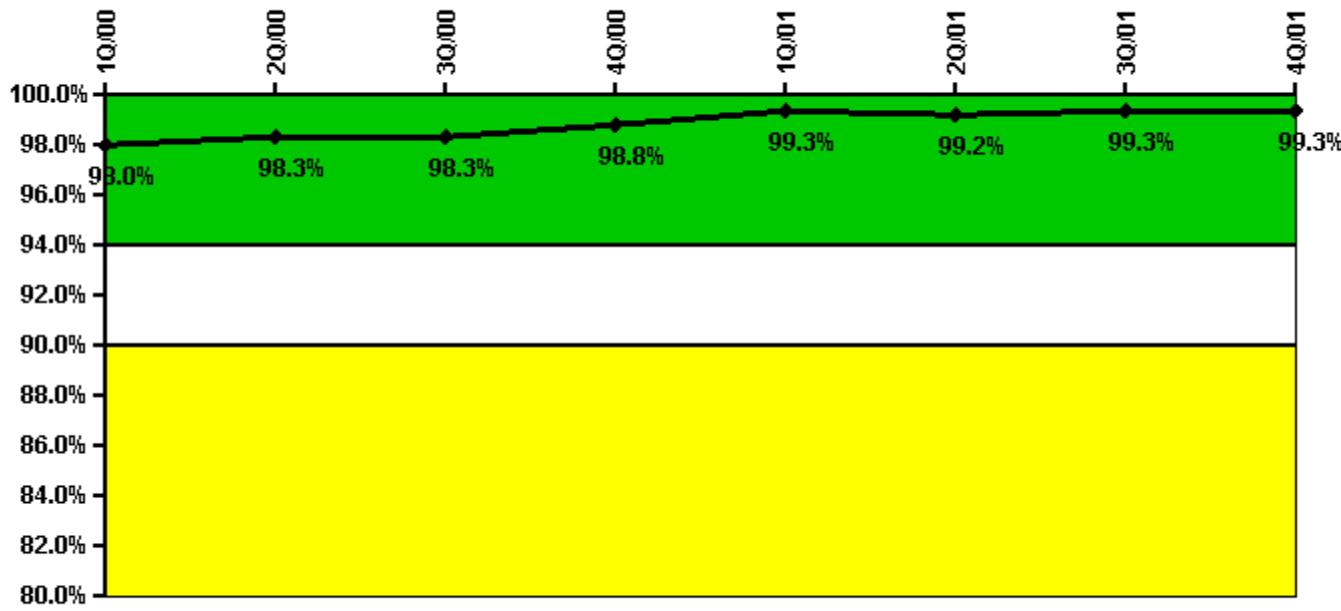
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	52.0	50.0	46.0	47.0	46.0	47.0	56.0	56.0
Total Key personnel	53.0	52.0	48.0	47.0	47.0	48.0	56.0	56.0
Indicator value	98.1%	96.2%	95.8%	100.0%	97.9%	97.9%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	945	856	963	863	749	961	859	970
Total sirens-tests	972	864	972	864	756	972	864	972
Indicator value	98.0%	98.3%	98.3%	98.8%	99.3%	99.2%	99.3%	99.3%

Licensee Comments: none

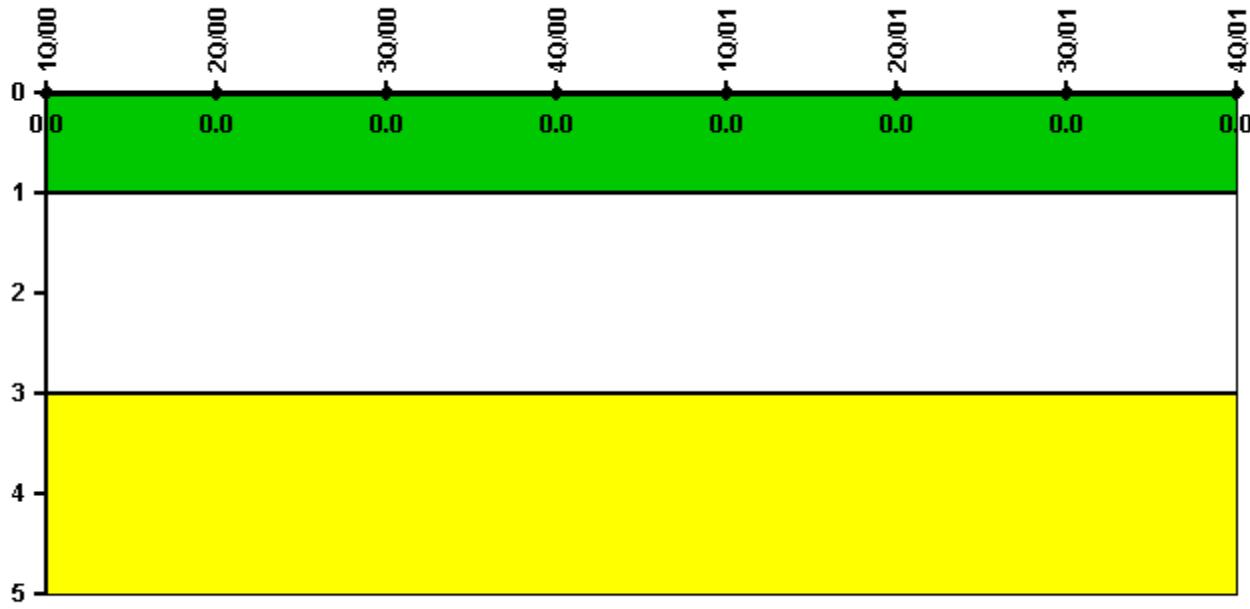
Occupational Exposure Control Effectiveness

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

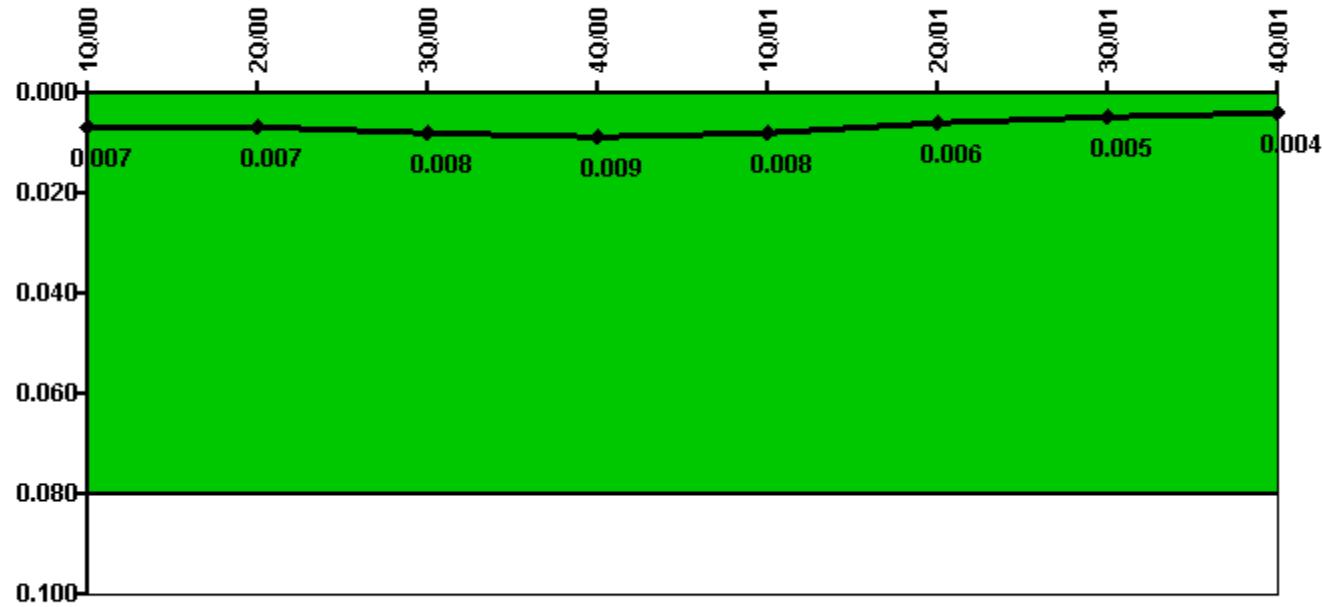
Thresholds: White > 1.0 Yellow > 3.0

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

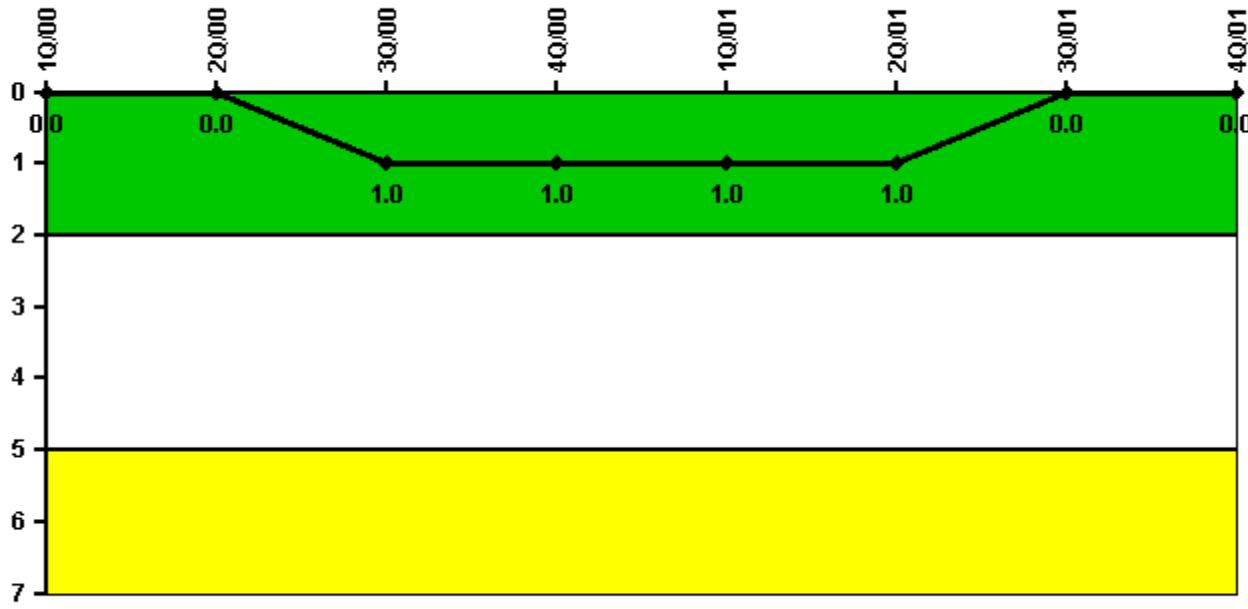


Thresholds: White > 0.080

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	12.40	166.40	117.21	135.00	73.67	42.11	41.09	28.17
CCTV compensatory hours	72.9	12.9	1.3	3.2	0.2	0.2	29.9	0
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.007	0.007	0.008	0.009	0.008	0.006	0.005	0.004

Licensee Comments: none

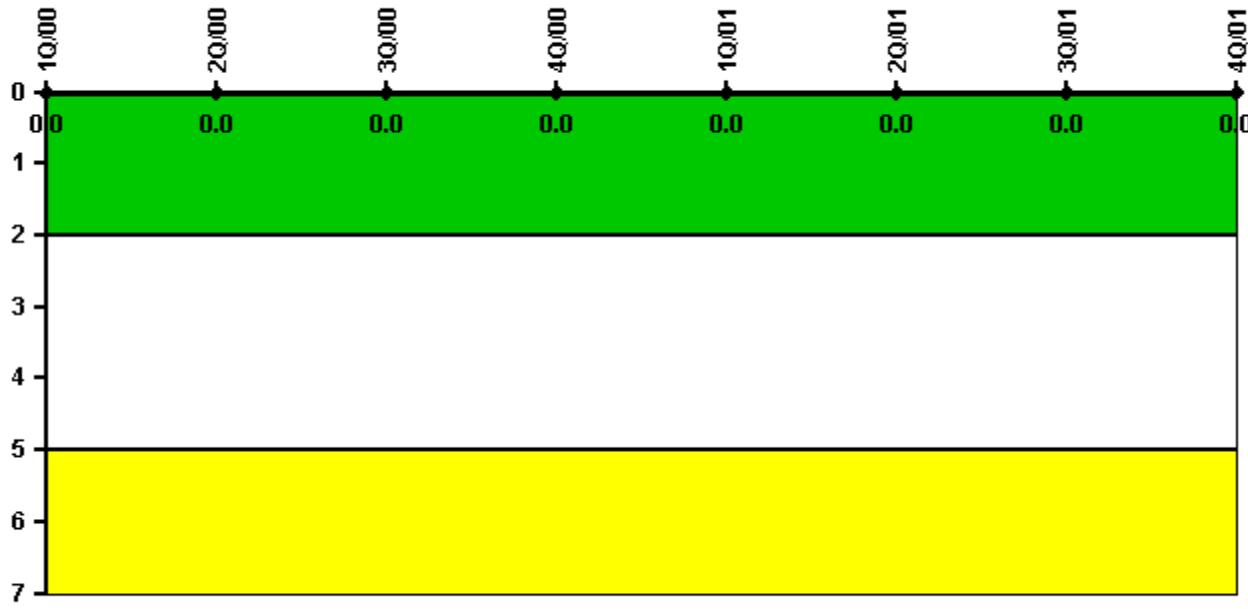
Personnel Screening Program

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	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	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](#)

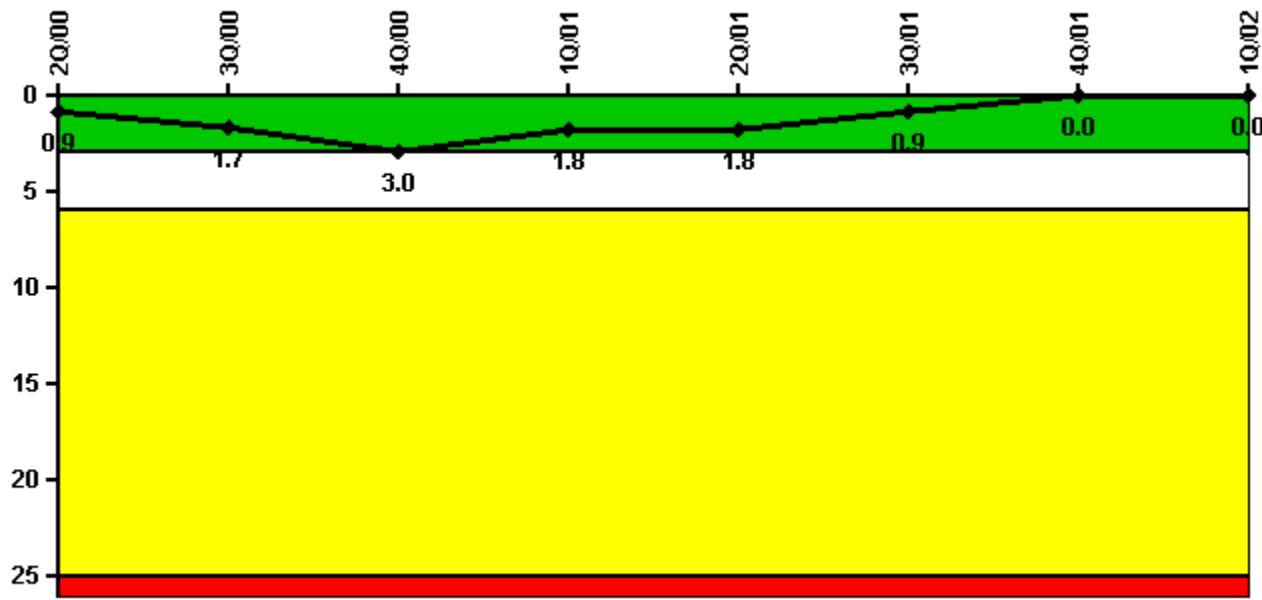
Last Modified: March 15, 2002

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1Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

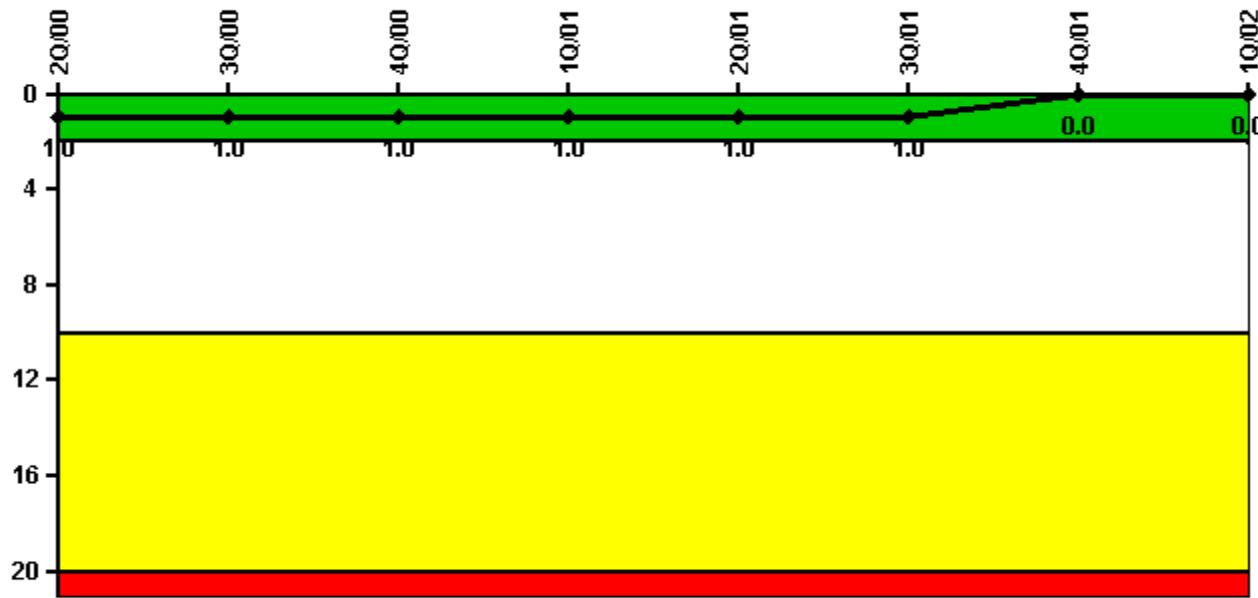


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	0	0	0
Critical hours	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0
Indicator value	0.9	1.7	3.0	1.8	1.8	0.9	0	0

Licensee Comments: none

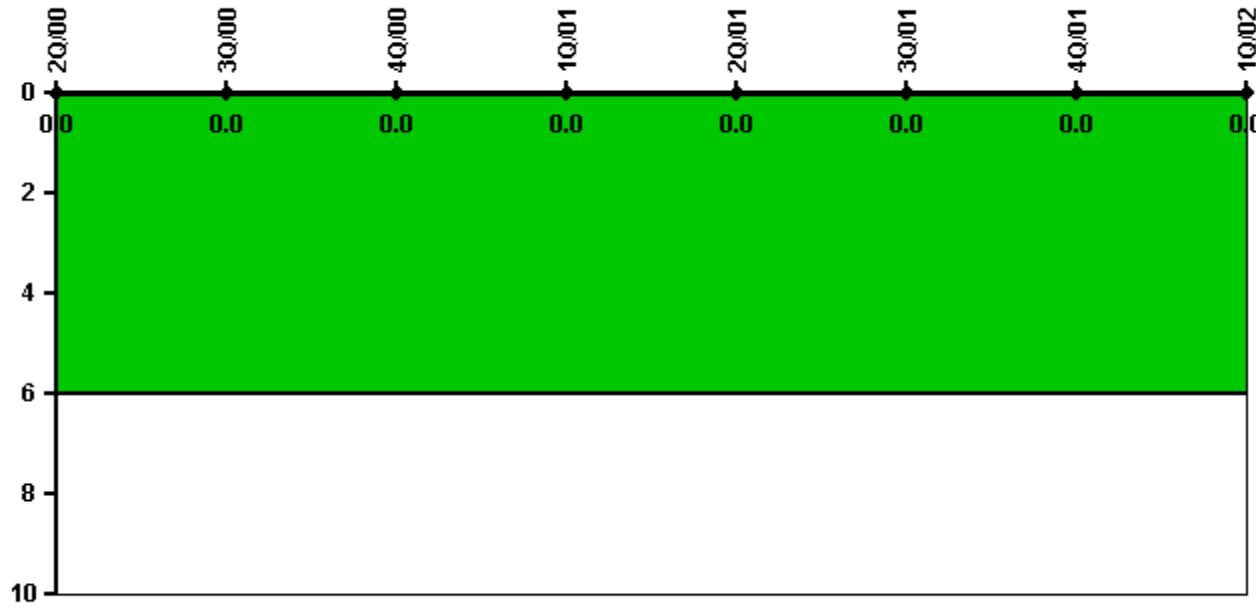
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

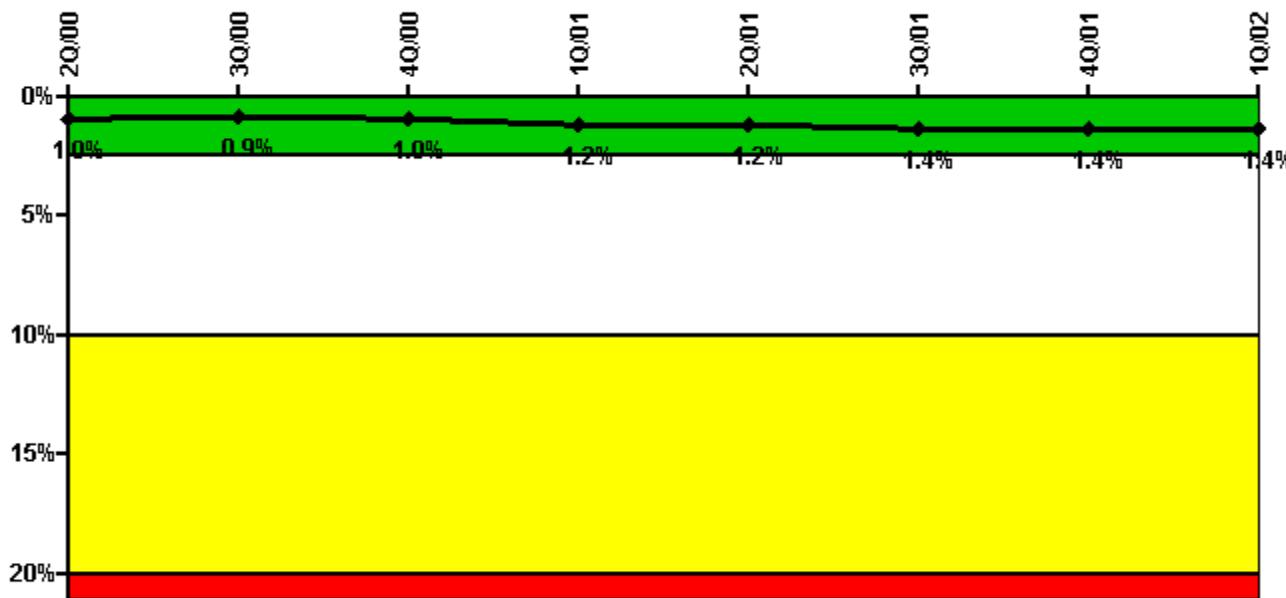
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

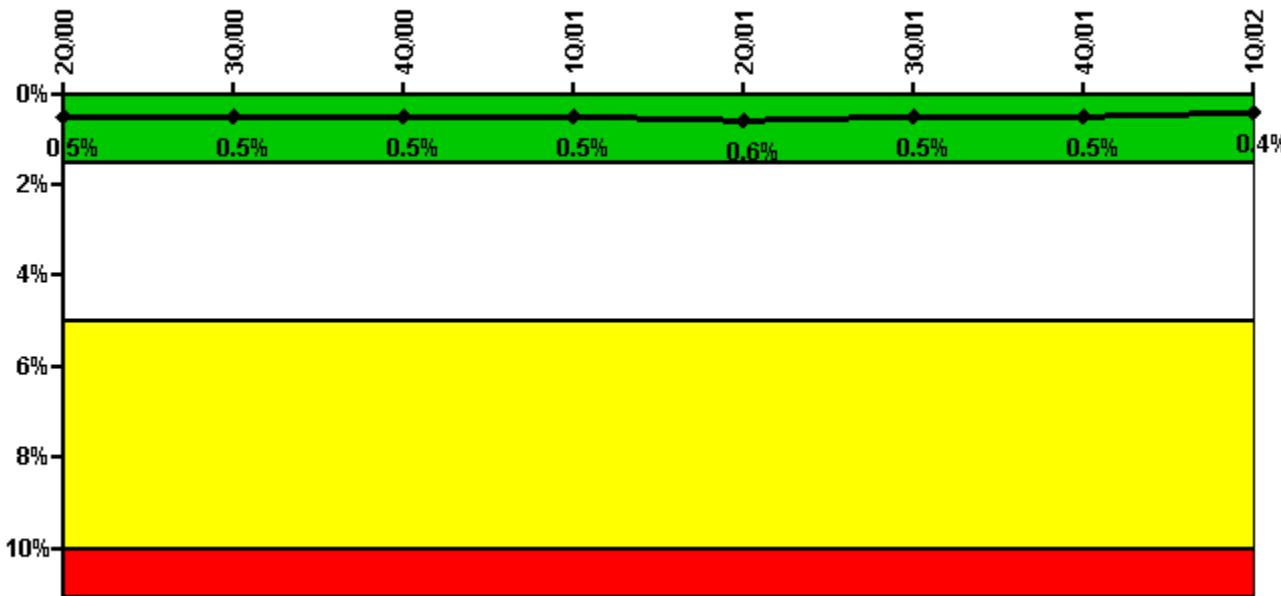
Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	1.65	9.47	17.92	87.97	4.50	90.72	123.50	91.92
Unplanned unavailable hours	0	0	3.77	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	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	134.92	2.20	6.15	57.22	3.62	2.53	7.08	4.53
Unplanned unavailable hours	0	0	14.53	0	0	0	0	0
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 3								
Planned unavailable hours	1.90	2.78	13.10	131.72	4.13	2.13	1.95	161.88
Unplanned unavailable hours	0	0	24.53	0	0	0	24.17	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	5.43	4.52	10.50	157.67	8.33	57.95	9.87	19.82
Unplanned unavailable hours	0	0	0	0	0	0	0	15.05
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.0%	0.9%	1.0%	1.2%	1.2%	1.4%	1.4%	1.4%

Licensee Comments:

1Q/02: Fault exposure evaluation for the DG 2A-A failure of valid test on 11/13/01: the Root Cause Analysis on this event identified that marginal setpoints for the TD3A and TD3B Time Delay Relays allowed the start air system to be subject to greater

probability of random failures. This is a design deficiency in the original vendor-supplied design. While the DG surveillances are not being capable of detecting this design deficiency, any DG 2A-A start bounds the fault exposure. Based on the previous DG 2A-A surveillance run, the fault exposure time is 334.883 hours for DG 2A-A, November 2001.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

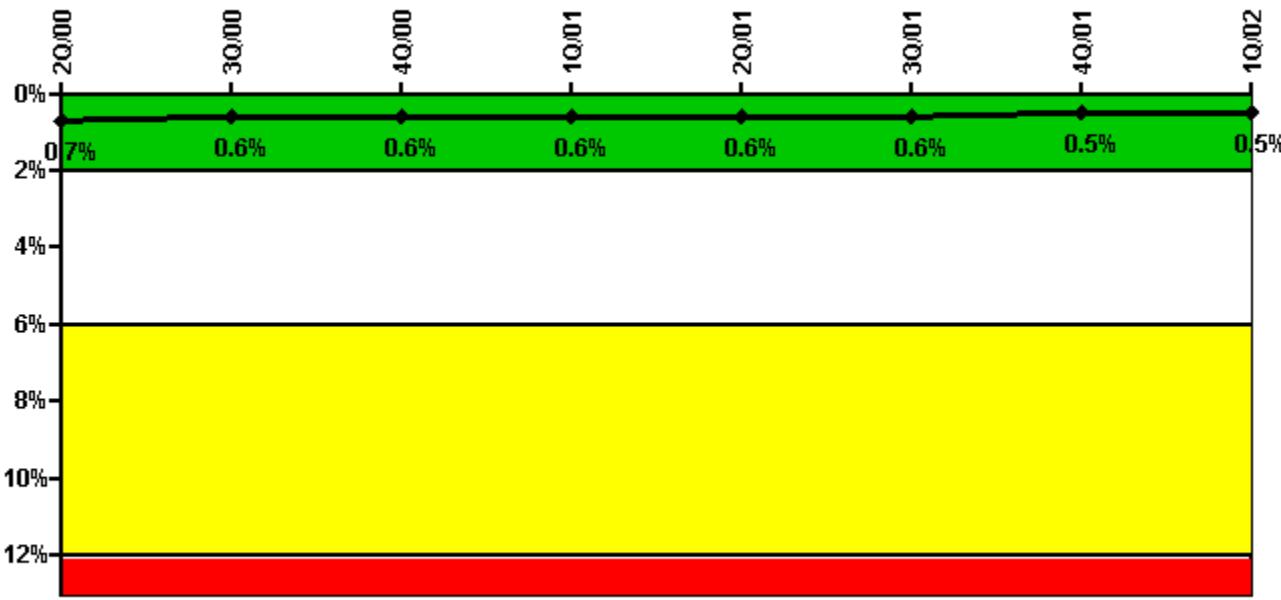
Notes

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.4%

Licensee Comments:

1Q/00: MAR02: March 00 hours required have been revised. FEB00 train 1 and train 3 hours were revised to add SSPS unavailability which was required by FAQ #290

Safety System Unavailability, Heat Removal System (AFW)



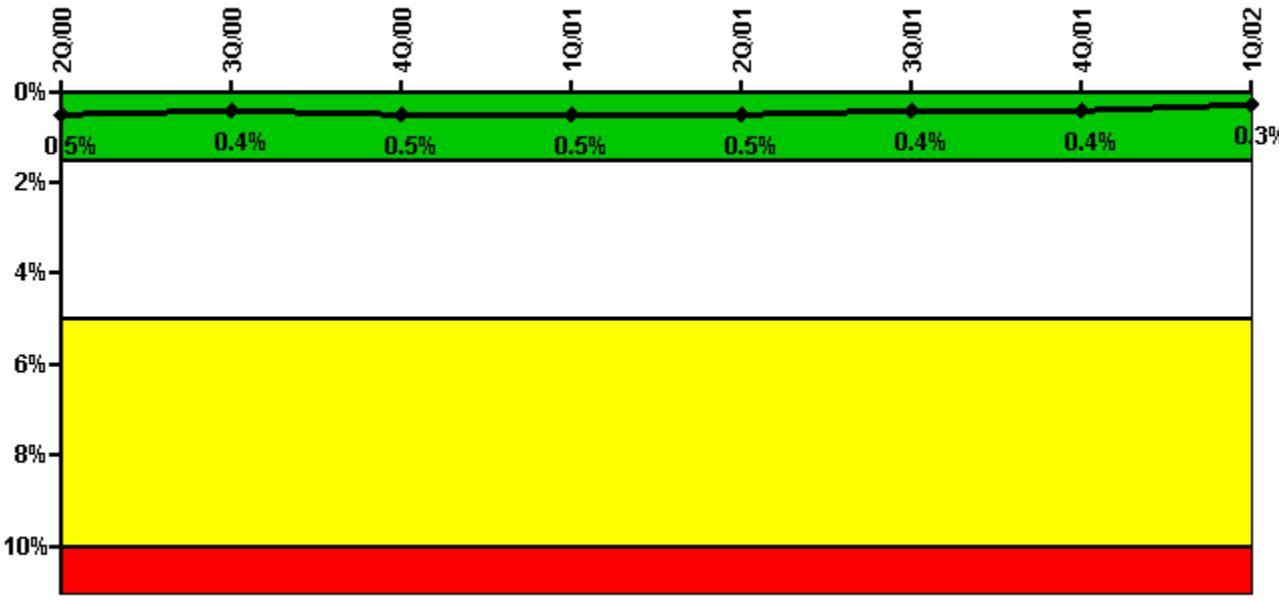
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2084.40	1274.90	2160.00	2183.00	2208.00	1483.10	2160.00
Indicator value	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

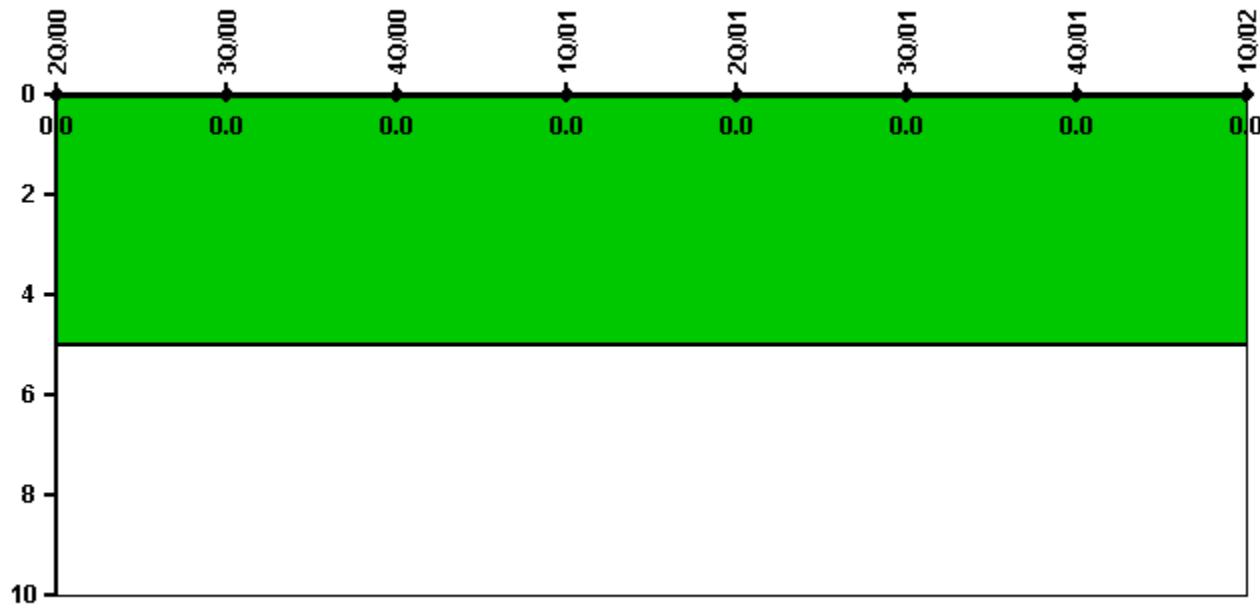


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1									
Planned unavailable hours		2.10	3.00	13.00	10.20	11.70	7.30	8.90	3.80
Unplanned unavailable hours		0	2.10	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00
Train 2									
Planned unavailable hours		9.40	1.70	7.10	9.40	2.50	11.90	8.00	3.40
Unplanned unavailable hours		0	2.10	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00
Indicator value		0.5%	0.4%	0.5%	0.5%	0.5%	0.4%	0.4%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)

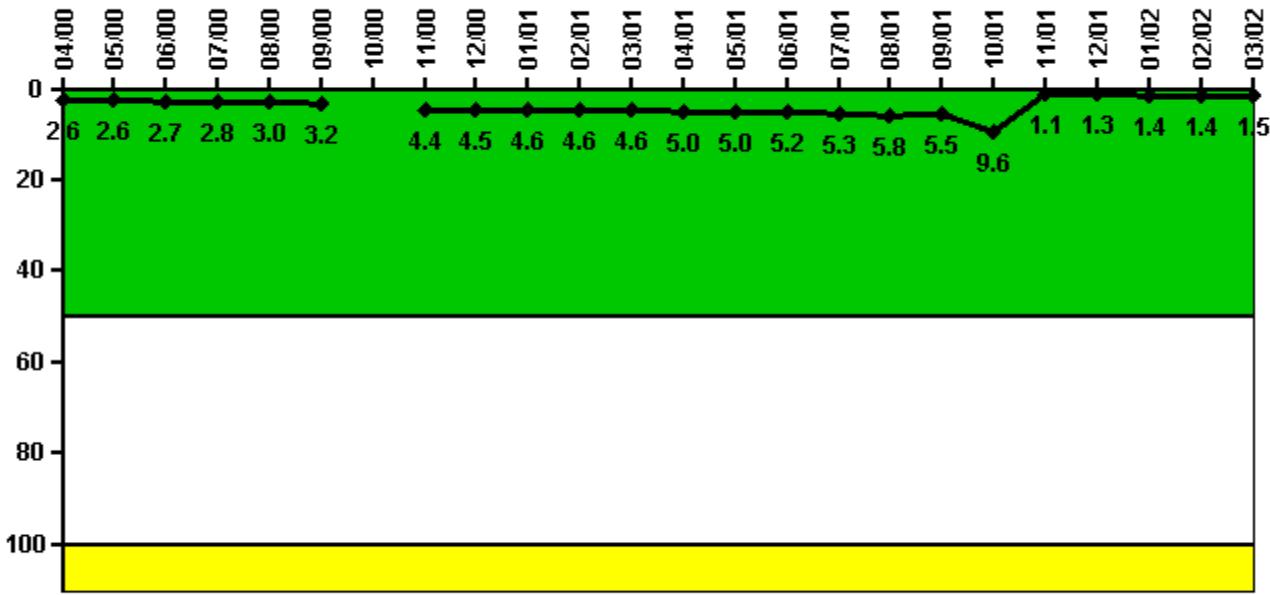
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



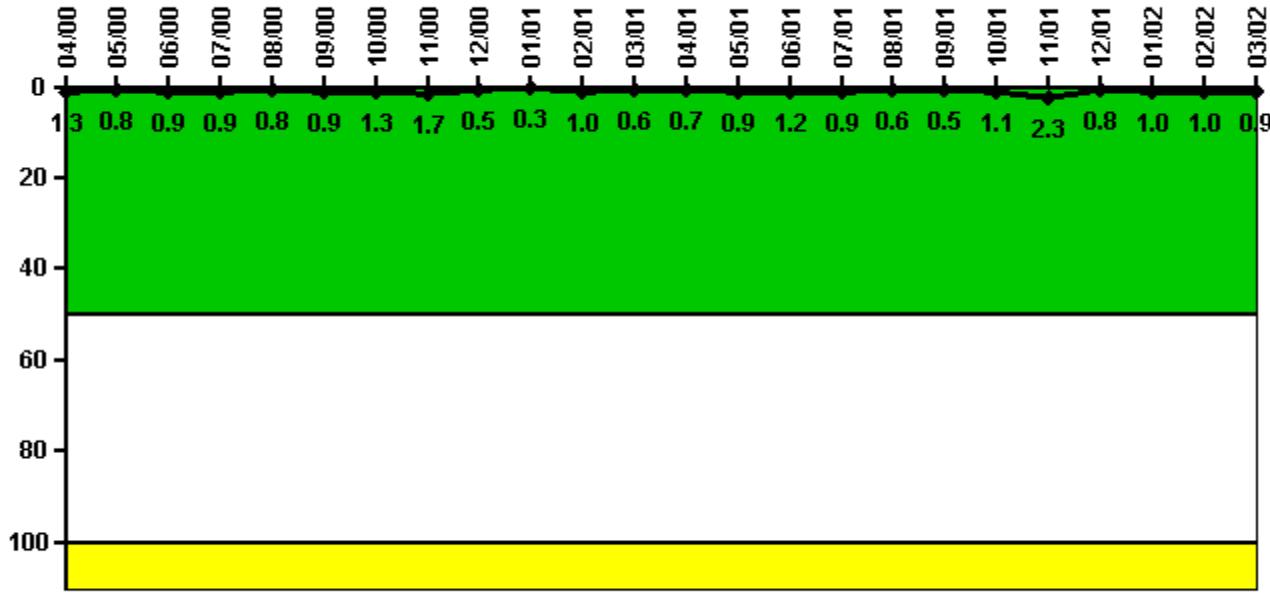
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.009160	0.009230	0.009540	0.009860	0.010500	0.011100	N/A	0.011000	0.011200	0.011400	0.011400	0.011500
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	2.6	2.6	2.7	2.8	3.0	3.2	N/A	4.4	4.5	4.6	4.6	4.6
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	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.0	5.0	5.2	5.3	5.8	5.5	9.6	1.1	1.3	1.4	1.4	1.5

Licensee Comments: none

Reactor Coolant System Leakage



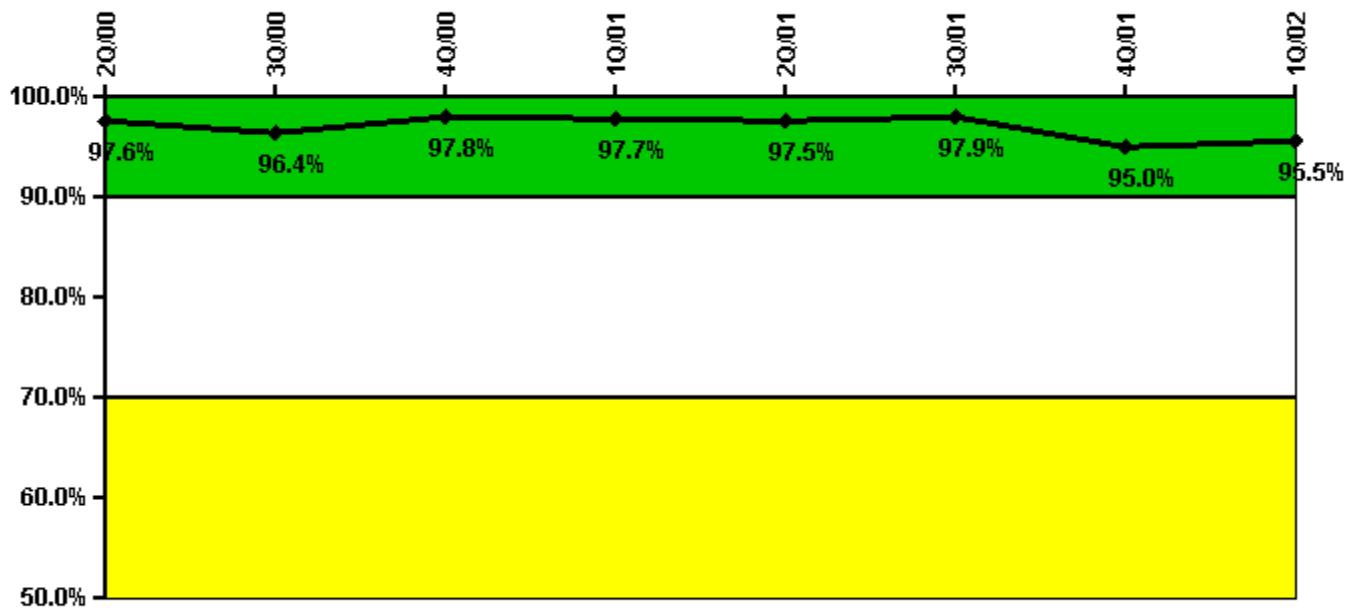
Thresholds: White > 50.0 Yellow > 100.0

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	0.130	0.080	0.090	0.090	0.080	0.090	0.130	0.170	0.050	0.030	0.100	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	0.8	0.9	0.9	0.8	0.9	1.3	1.7	0.5	0.3	1.0	0.6
Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.070	0.090	0.120	0.090	0.060	0.050	0.110	0.230	0.080	0.100	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.9	1.2	0.9	0.6	0.5	1.1	2.3	0.8	1.0	1.0	0.9

Licensee Comments: none

Drill/Exercise Performance



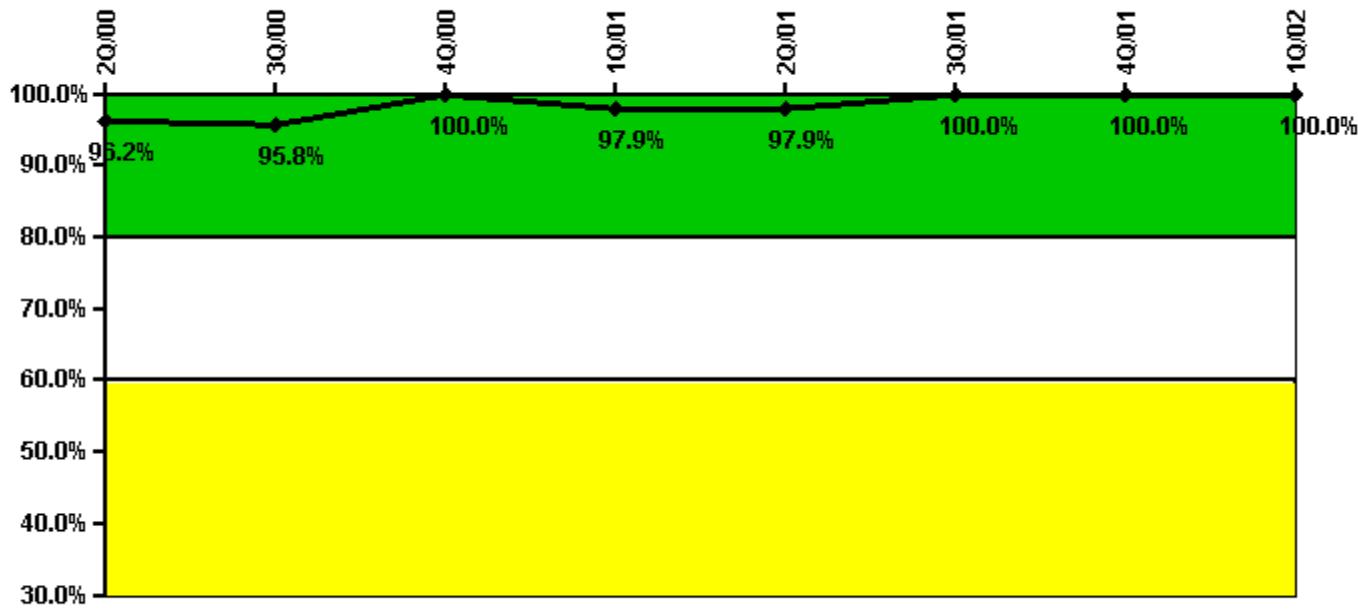
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	8.0	23.0	38.0	0	4.0	31.0	30.0	14.0
Total opportunities	8.0	25.0	38.0	0	4.0	32.0	34.0	14.0
Indicator value	97.6%	96.4%	97.8%	97.7%	97.5%	97.9%	95.0%	96.5%

Licensee Comments: none

ERO Drill Participation



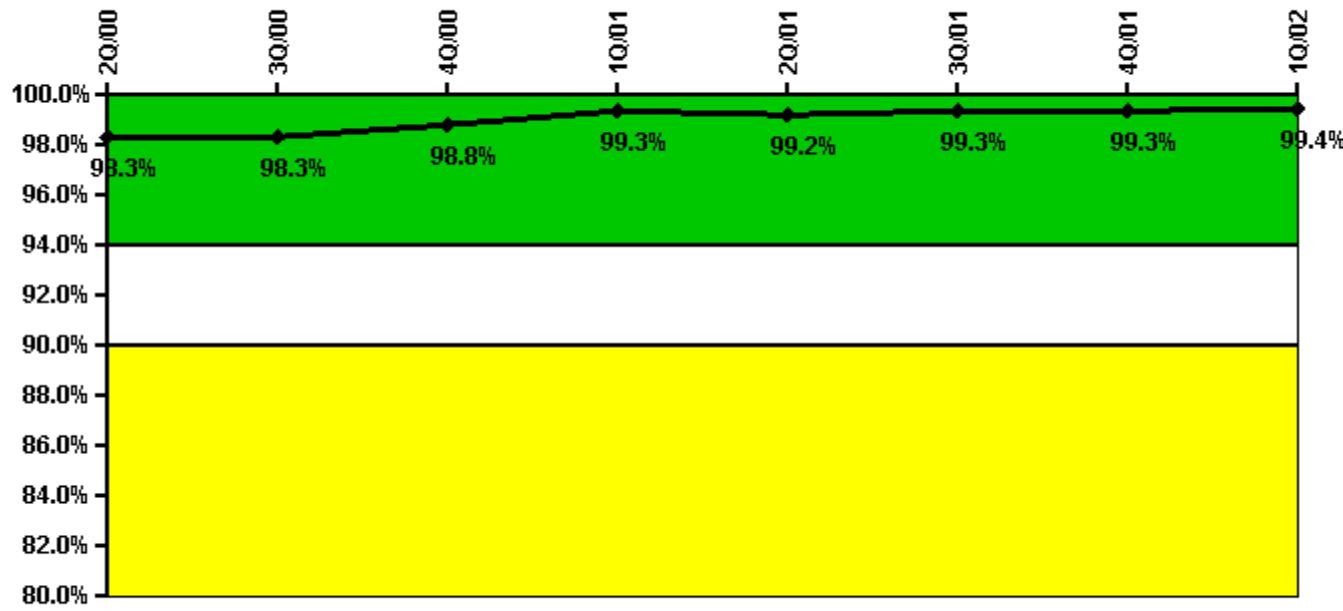
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	50.0	46.0	47.0	46.0	47.0	56.0	56.0	57.0
Total Key personnel	52.0	48.0	47.0	47.0	48.0	56.0	56.0	57.0
Indicator value	96.2%	95.8%	100.0%	97.9%	97.9%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	856	963	863	749	961	859	970	752
Total sirens-tests	864	972	864	756	972	864	972	756
Indicator value	98.3%	98.3%	98.8%	99.3%	99.2%	99.3%	99.3%	99.4%

Licensee Comments: none

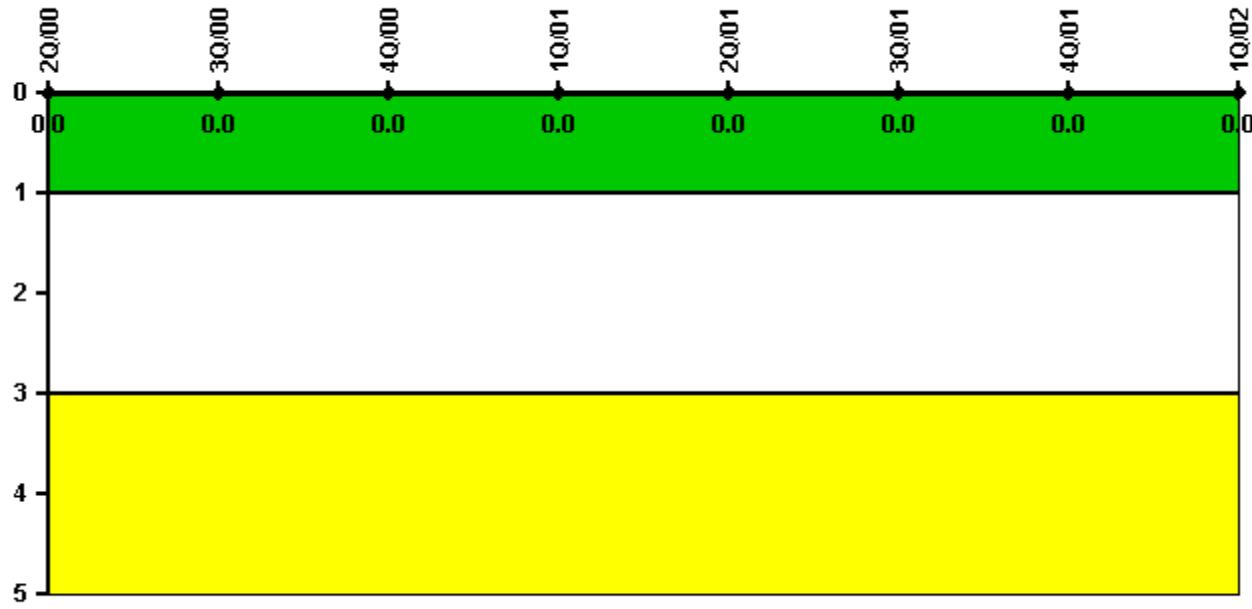
Occupational Exposure Control Effectiveness

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

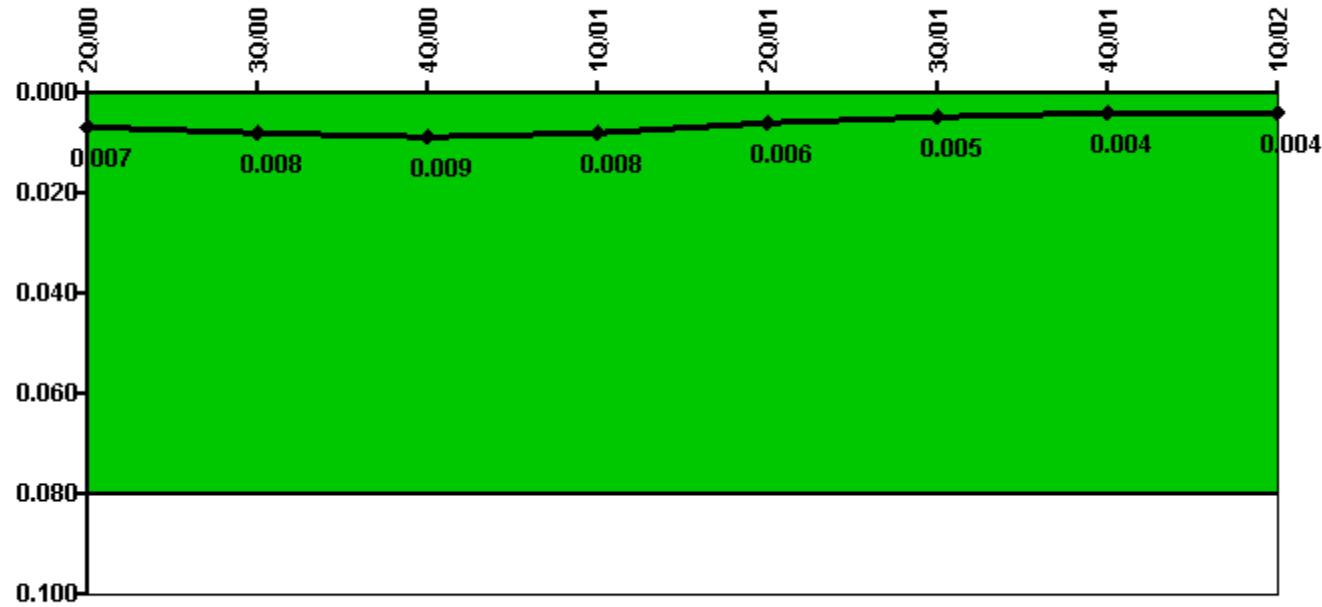
Thresholds: White > 1.0 Yellow > 3.0

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

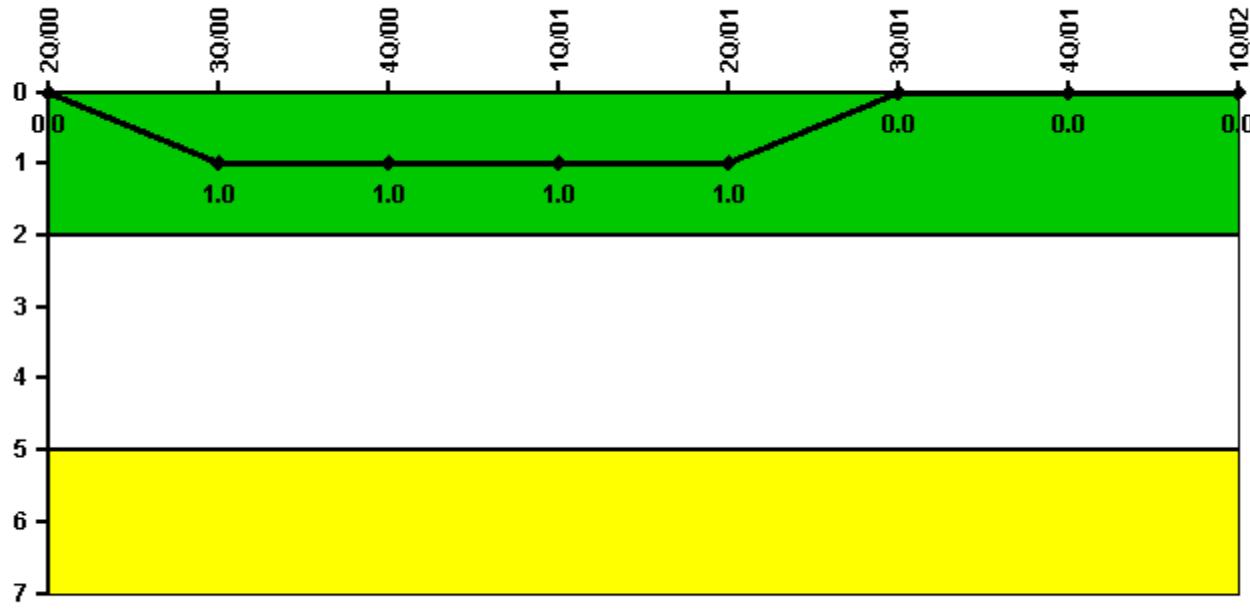


Thresholds: White > 0.080

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	166.40	117.21	135.00	73.67	42.11	41.09	28.17	50.42
CCTV compensatory hours	12.9	1.3	3.2	0.2	0.2	29.9	0	54.4
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.007	0.008	0.009	0.008	0.006	0.005	0.004	0.004

Licensee Comments: none

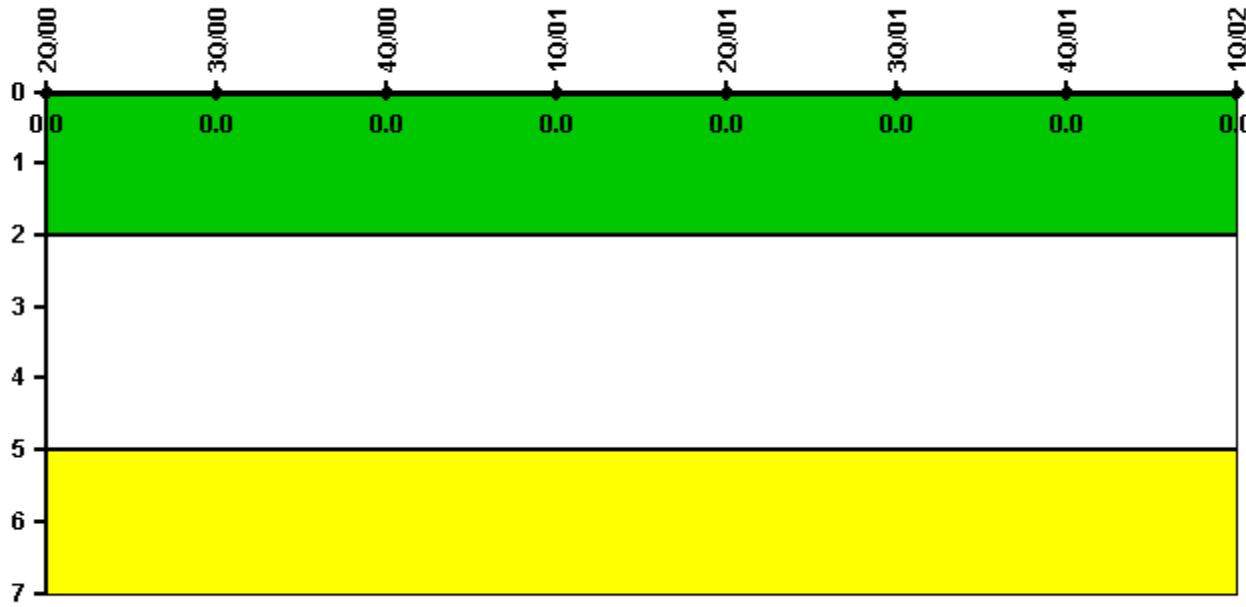
Personnel Screening Program

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

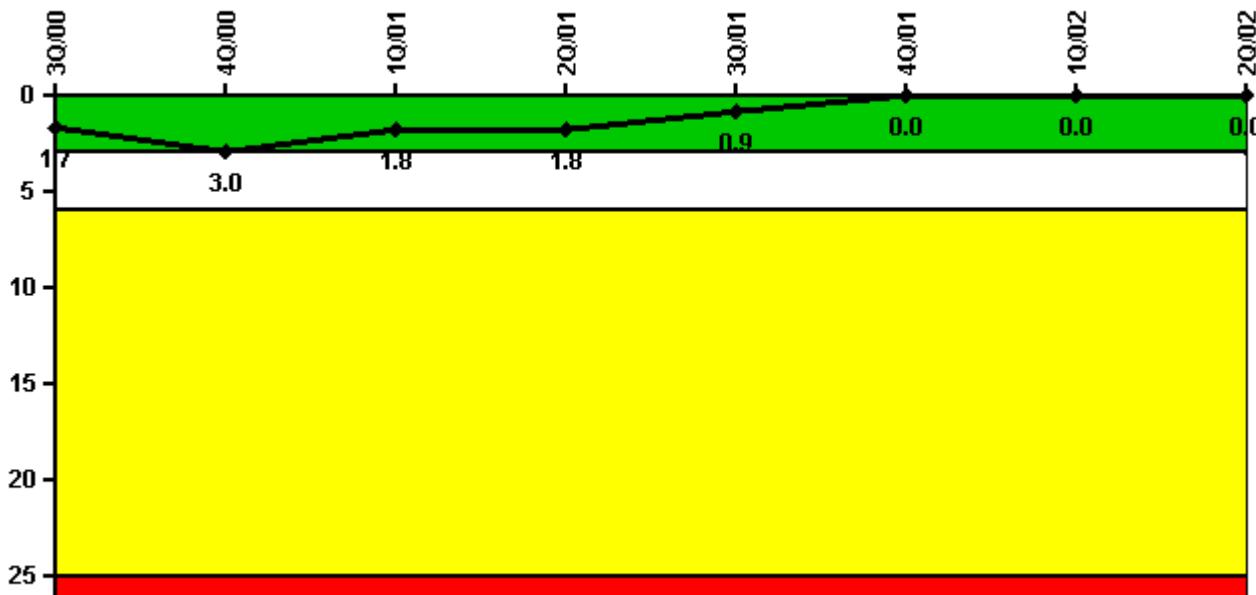
Last Modified: May 1, 2002

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2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

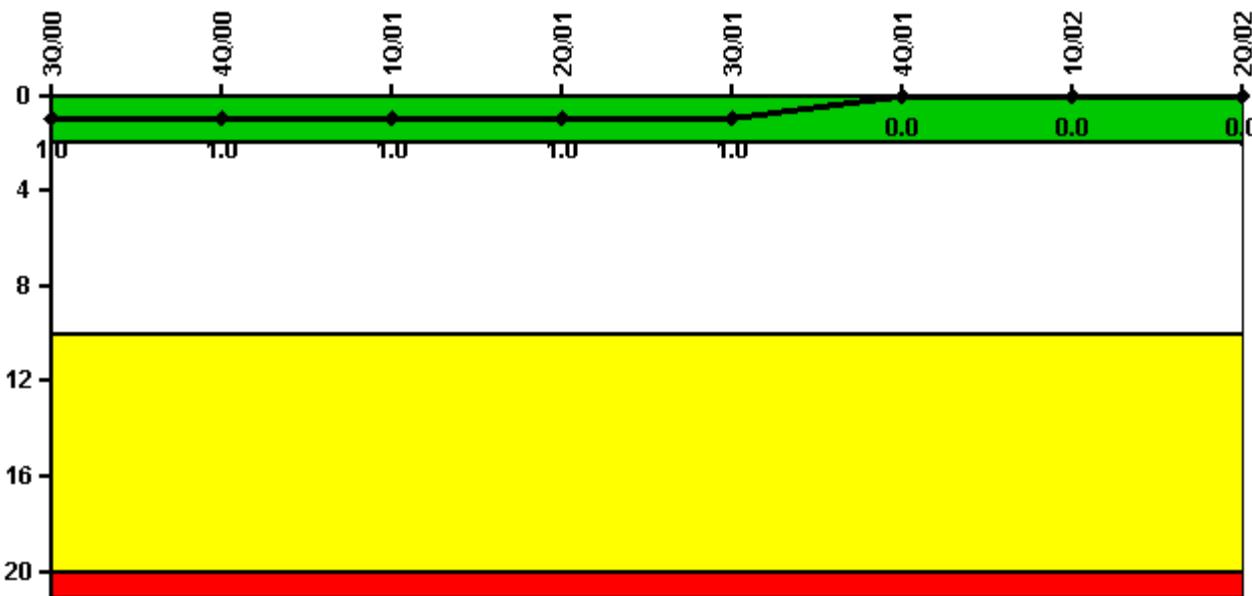


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	0	0	0	0
Critical hours	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0
Indicator value	1.7	3.0	1.8	1.8	0.9	0	0	0

Licensee Comments: none

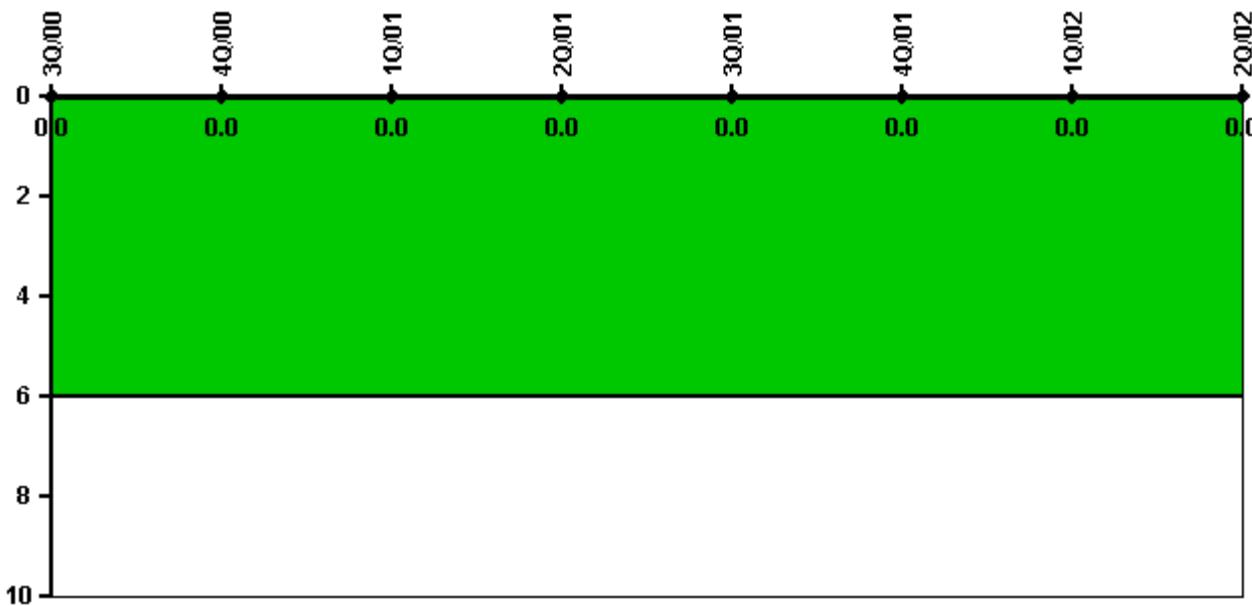
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

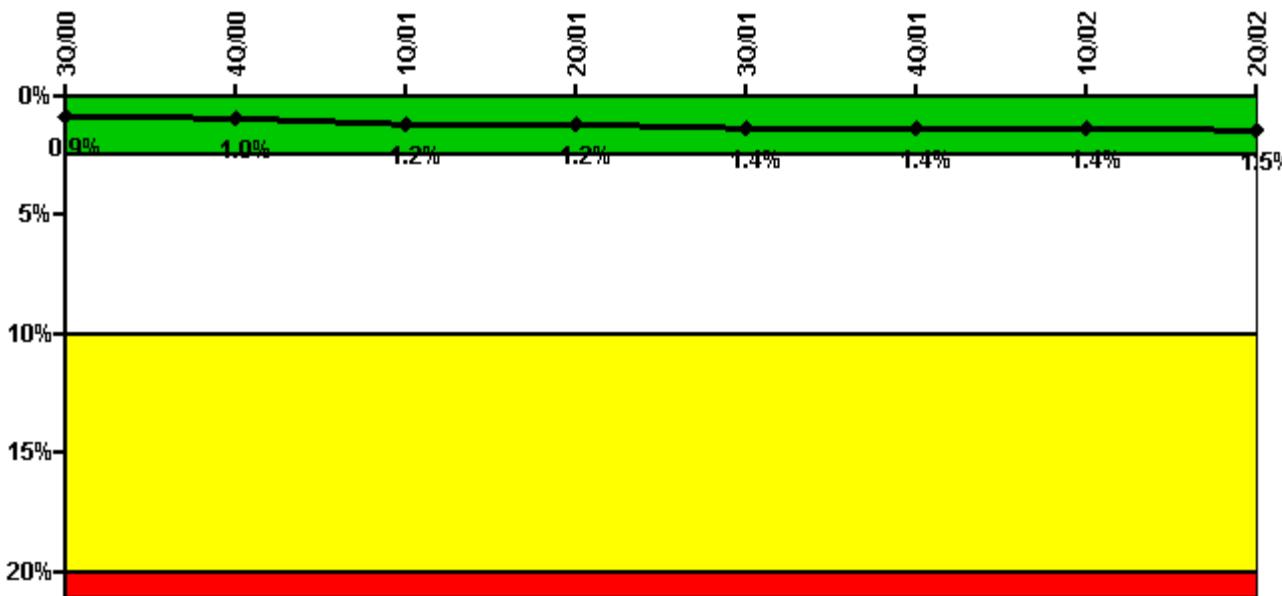
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2074.6	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

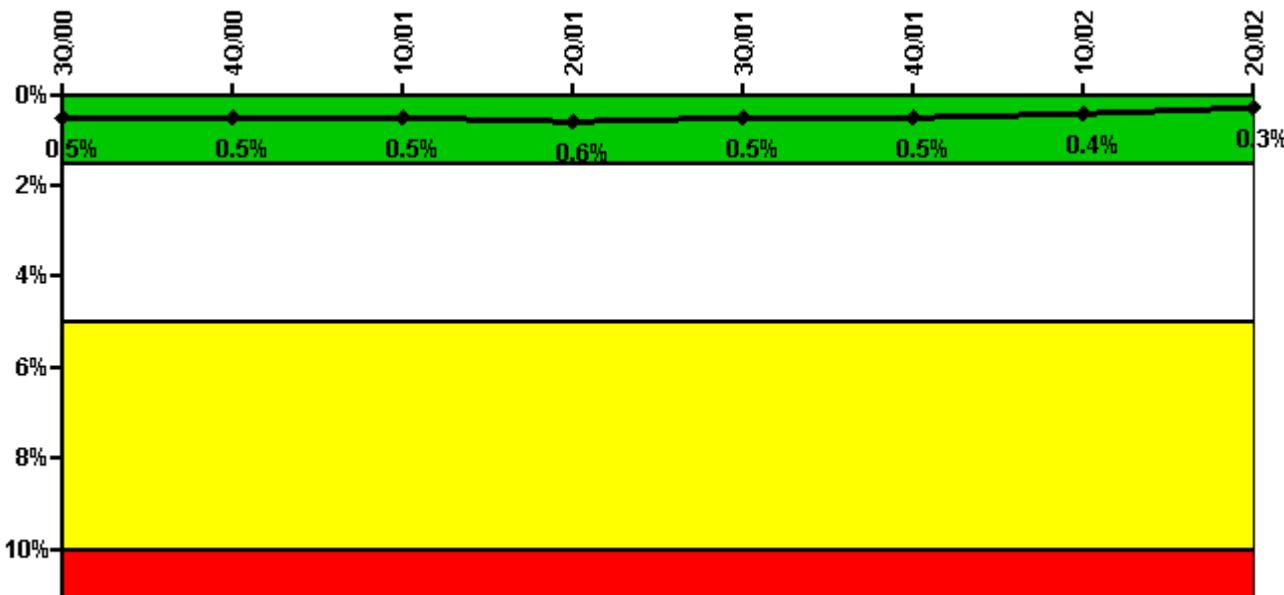
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	9.47	17.92	87.97	4.50	90.72	123.50	91.92	26.38
Unplanned unavailable hours	0	3.77	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	2.20	6.15	57.22	3.62	2.53	7.08	4.53	26.40
Unplanned unavailable hours	0	14.53	0	0	0	0	0	0
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 3								
Planned unavailable hours	2.78	13.10	131.72	4.13	2.13	1.95	161.88	61.87
Unplanned unavailable hours	0	24.53	0	0	0	24.17	0	5.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	4.52	10.50	157.67	8.33	57.95	9.87	19.82	23.28
Unplanned unavailable hours	0	0	0	0	0	0	15.05	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00

Indicator value	0.9%	1.0%	1.2%	1.2%	1.4%	1.4%	1.4%	1.5%
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Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



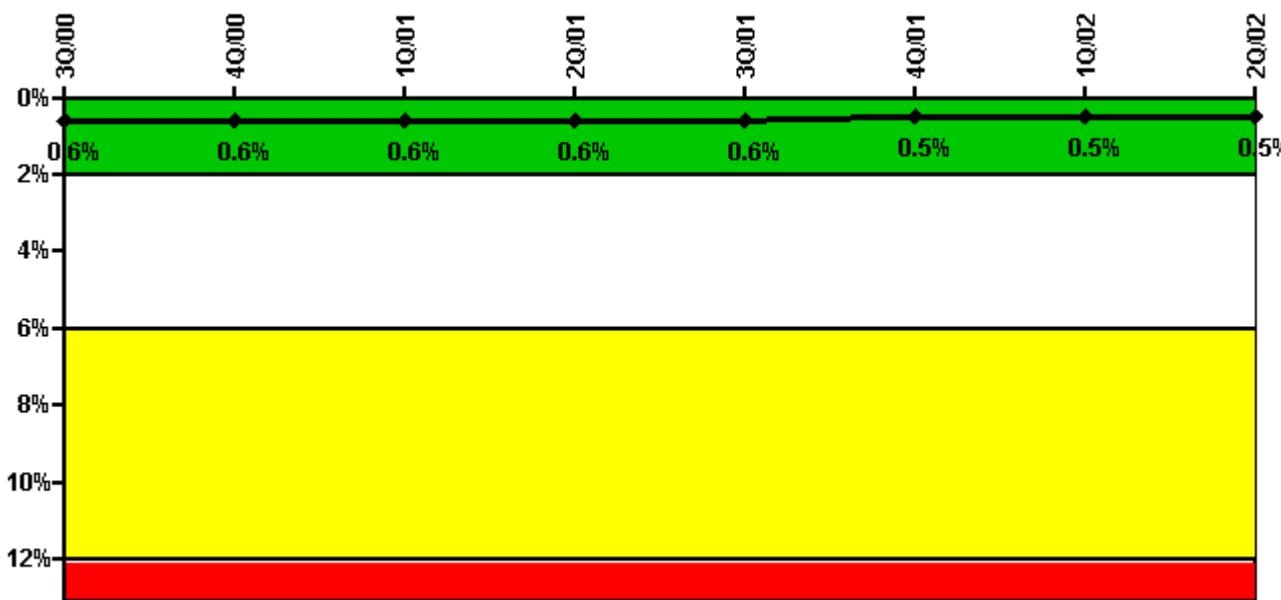
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Planned unavailable hours	4.70	2.00	4.50	13.10	3.30	4.60	5.40	15.90
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	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00
Train 4								
Planned unavailable hours	3.30	2.30	8.80	3.60	5.10	2.30	4.20	4.70
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	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00
Indicator value	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.4%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

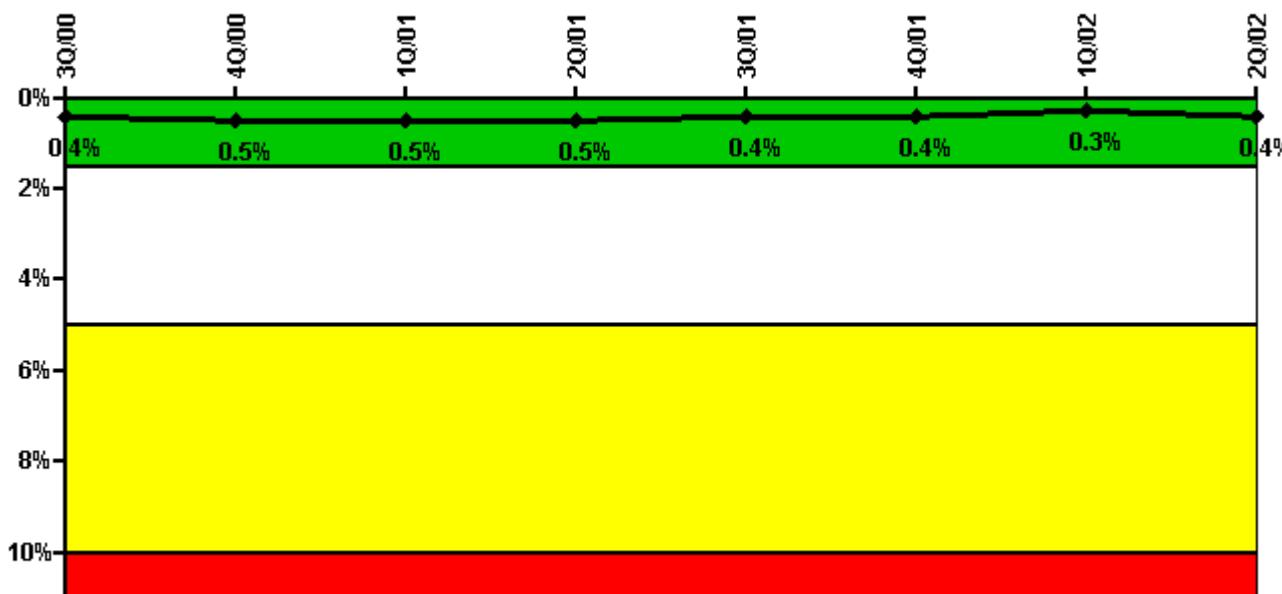
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	2.92	0	3.32	56.02	1.93	5.80	2.96	9.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2084.40	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00
Train 2								
Planned unavailable hours	2.29	2.10	6.67	12.79	3.74	10.63	27.98	3.23
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2118.10	1362.10	2160.00	2183.00	2208.00	1526.20	2160.00	2183.00
Train 3								
Planned unavailable hours	2.32	1.00	7.65	4.44	7.59	2.15	3.27	6.97
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	2084.40	1274.90	2160.00	2183.00	2208.00	1483.10	2160.00	2183.00
Indicator value	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



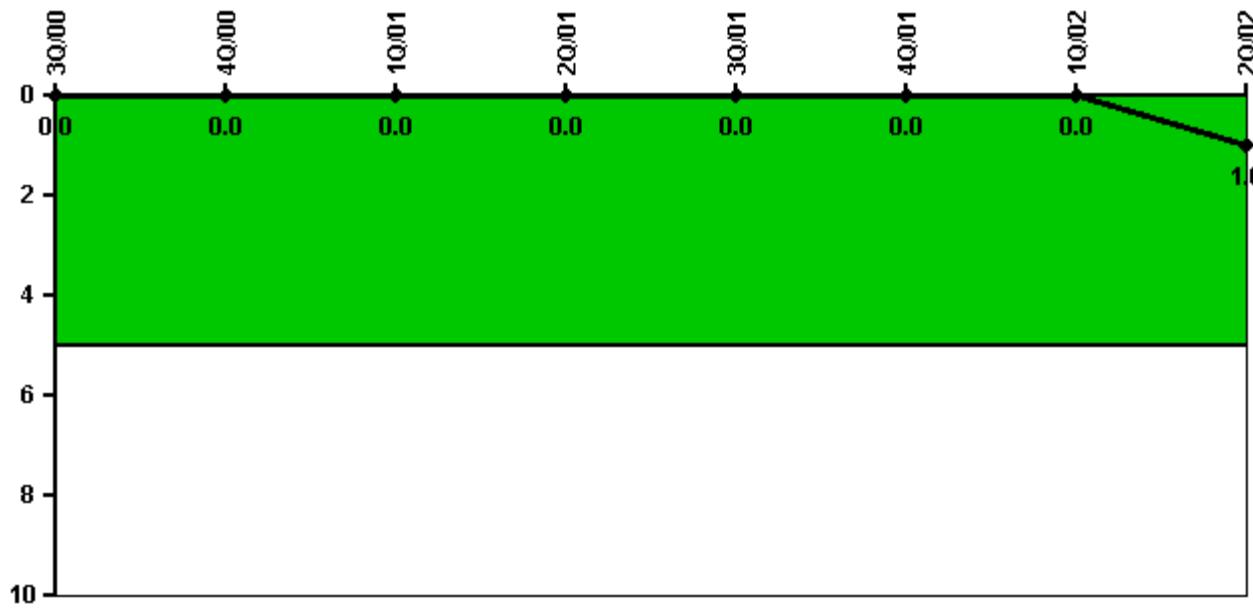
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	3.00	13.00	10.20	11.70	7.30	8.90	3.80	12.90
Unplanned unavailable hours	2.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00
Train 2								
Planned unavailable hours	1.70	7.10	9.40	2.50	11.90	8.00	3.40	6.90
Unplanned unavailable hours	2.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00
Indicator value	0.4%	0.5%	0.5%	0.5%	0.4%	0.4%	0.3%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

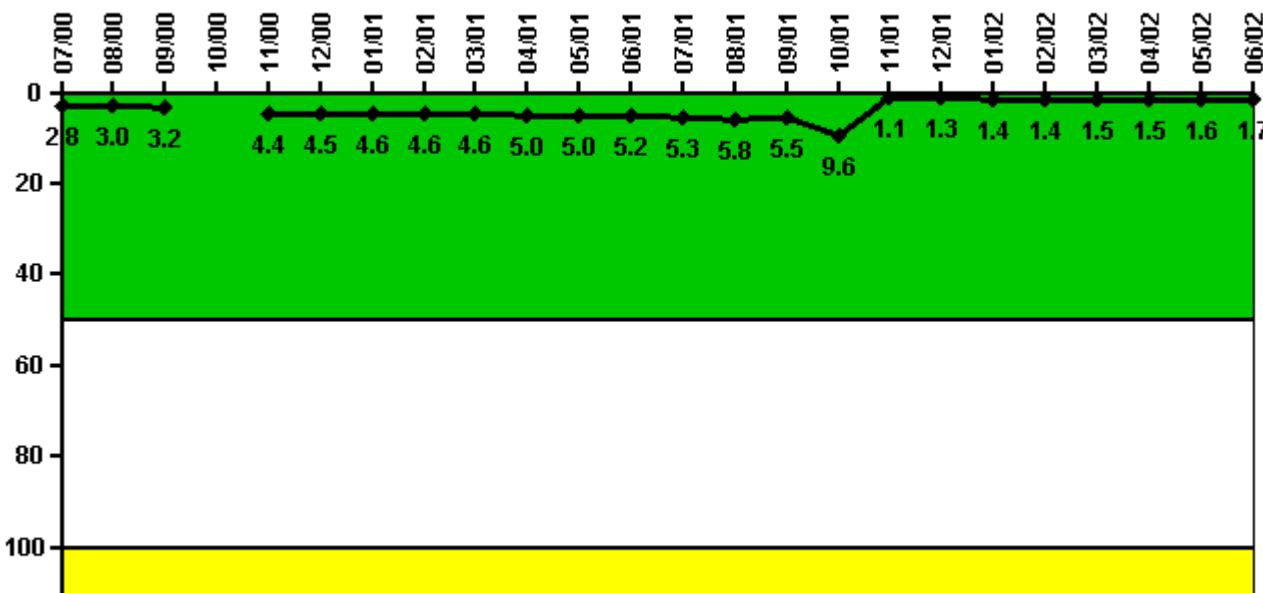
Notes

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	0	0	0	0	1

Indicator value	0	0	0	0	0	0	0	1
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Licensee Comments: none

Reactor Coolant System Activity



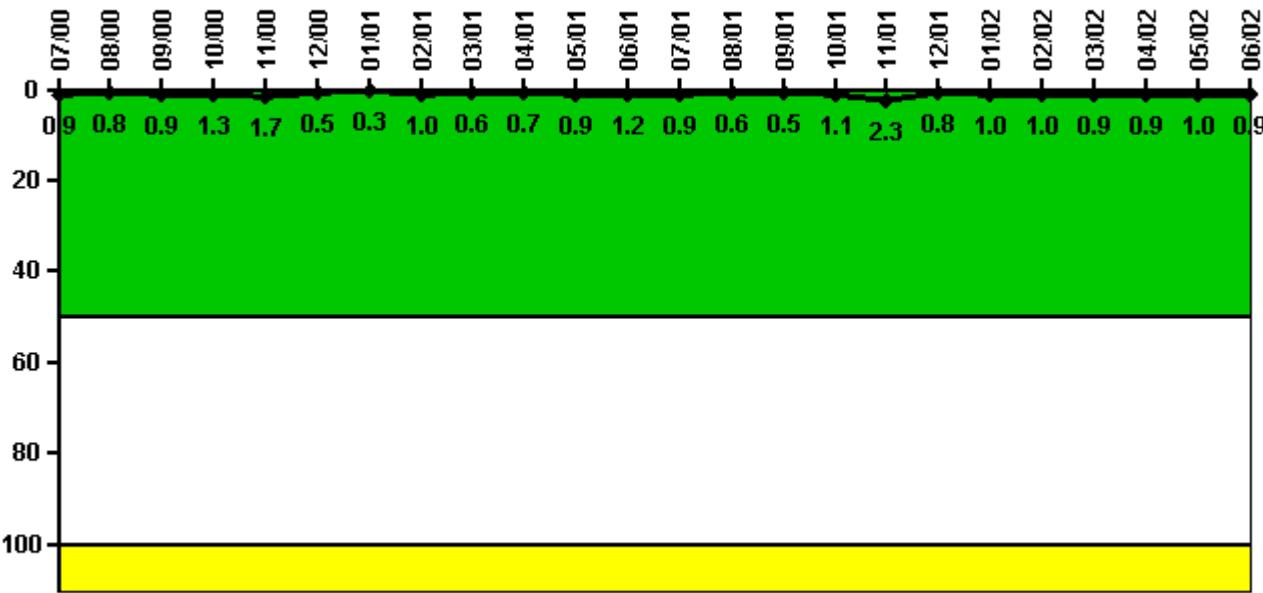
Thresholds: White > 50.0 Yellow > 100.0

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	0.009860	0.010500	0.011100	N/A	0.011000	0.011200	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900
Technical specification limit	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	2.8	3.0	3.2	N/A	4.4	4.5	4.6	4.6	4.6	5.0	5.0	5.2
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	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.3	5.8	5.5	9.6	1.1	1.3	1.4	1.4	1.5	1.5	1.6	1.7

Licensee Comments: none

Reactor Coolant System Leakage



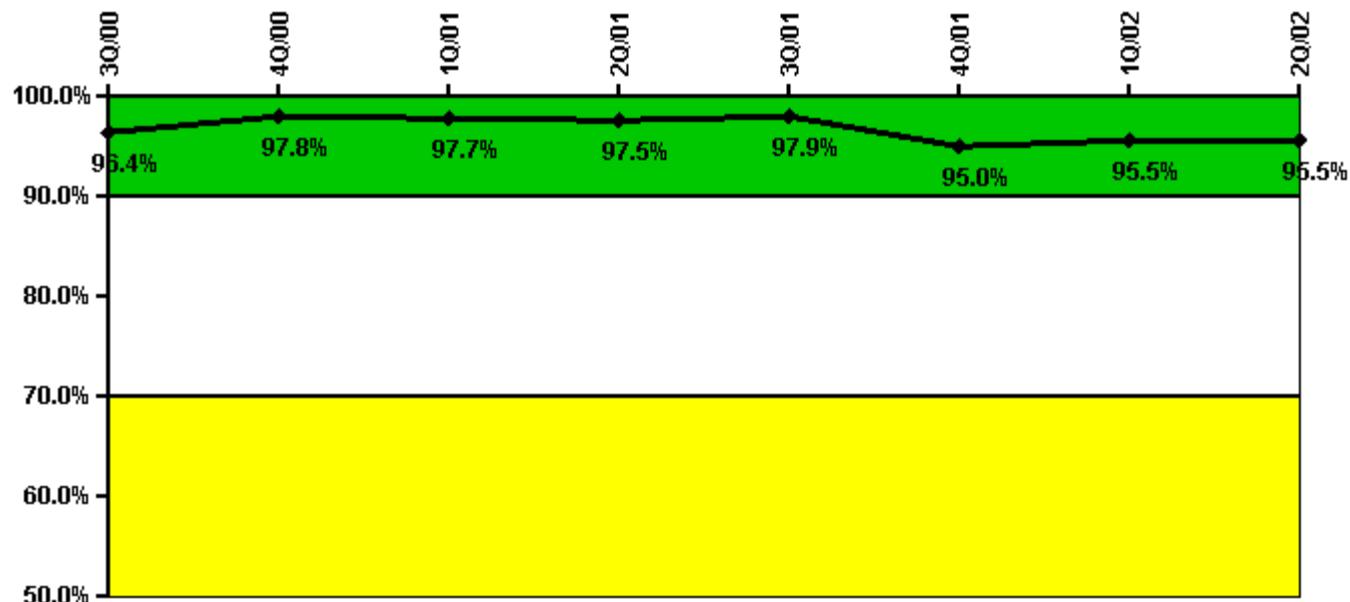
Thresholds: White > 50.0 Yellow > 100.0

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	0.090	0.080	0.090	0.130	0.170	0.050	0.030	0.100	0.060	0.070	0.090	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.8	0.9	1.3	1.7	0.5	0.3	1.0	0.6	0.7	0.9	1.2
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	0.090	0.060	0.050	0.110	0.230	0.080	0.100	0.100	0.090	0.090	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.6	0.5	1.1	2.3	0.8	1.0	1.0	0.9	0.9	1.0	0.9

Licensee Comments:

6/02: P1531

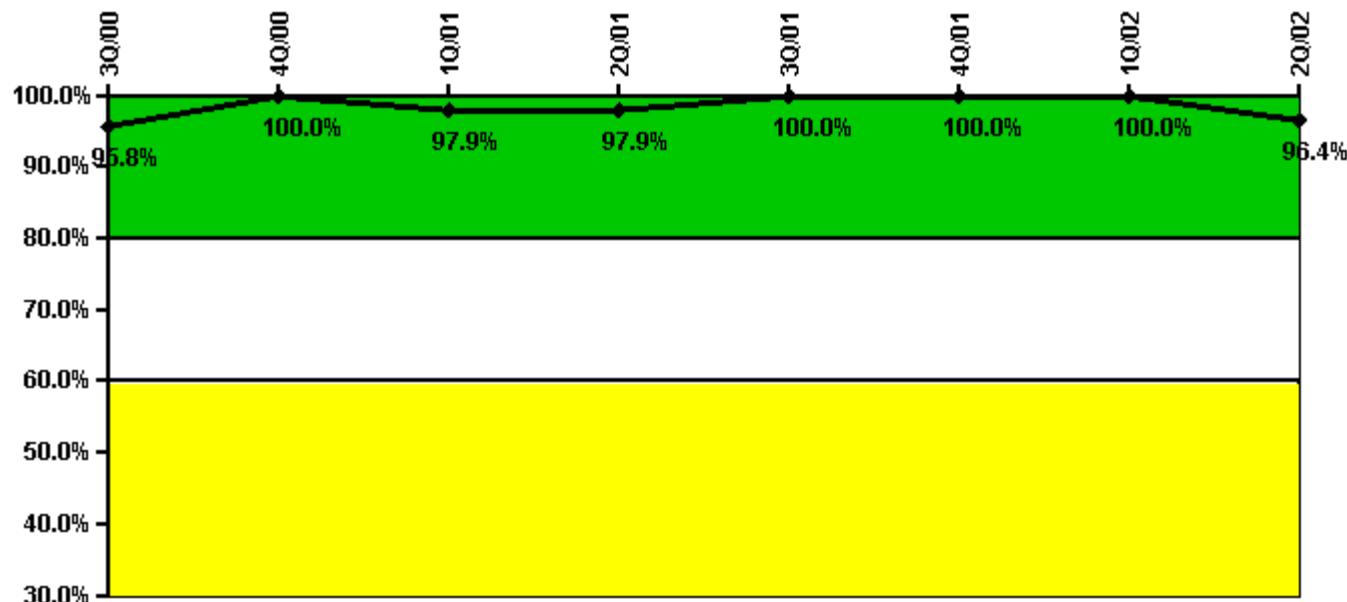
Drill/Exercise Performance

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	23.0	38.0	0	4.0	31.0	30.0	14.0	10.0
Total opportunities	25.0	38.0	0	4.0	32.0	34.0	14.0	10.0
Indicator value	96.4%	97.8%	97.7%	97.5%	97.9%	95.0%	95.5%	95.5%

Licensee Comments: none

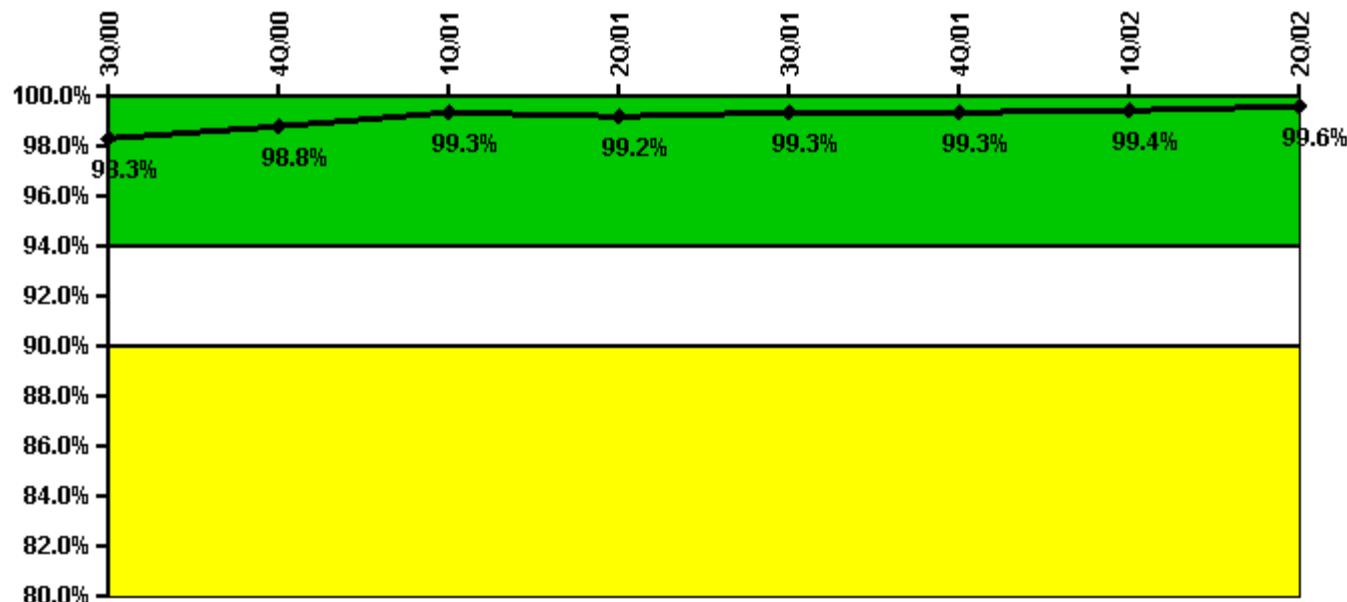
ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	46.0	47.0	46.0	47.0	56.0	56.0	57.0	54.0
Total Key personnel	48.0	47.0	47.0	48.0	56.0	56.0	57.0	56.0
Indicator value	95.8%	100.0%	97.9%	97.9%	100.0%	100.0%	100.0%	96.4%

Licensee Comments: none

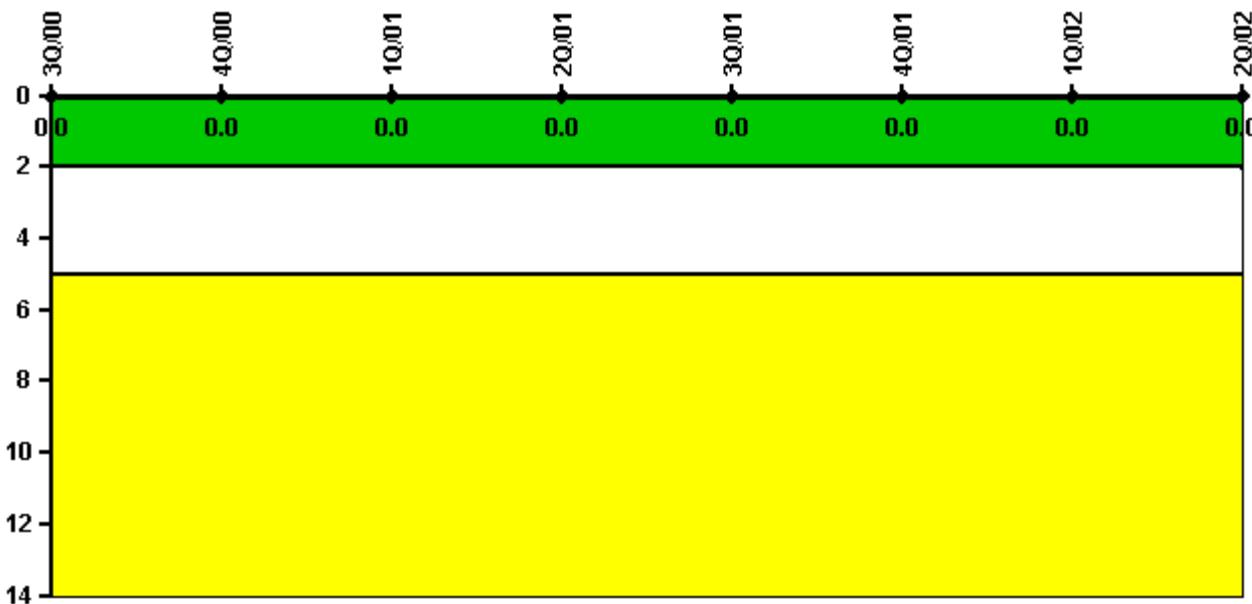
Alert & Notification System

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	963	863	749	961	859	970	752	968
Total sirens-tests	972	864	756	972	864	972	756	972
Indicator value	98.3%	98.8%	99.3%	99.2%	99.3%	99.3%	99.4%	99.6%

Licensee Comments: none

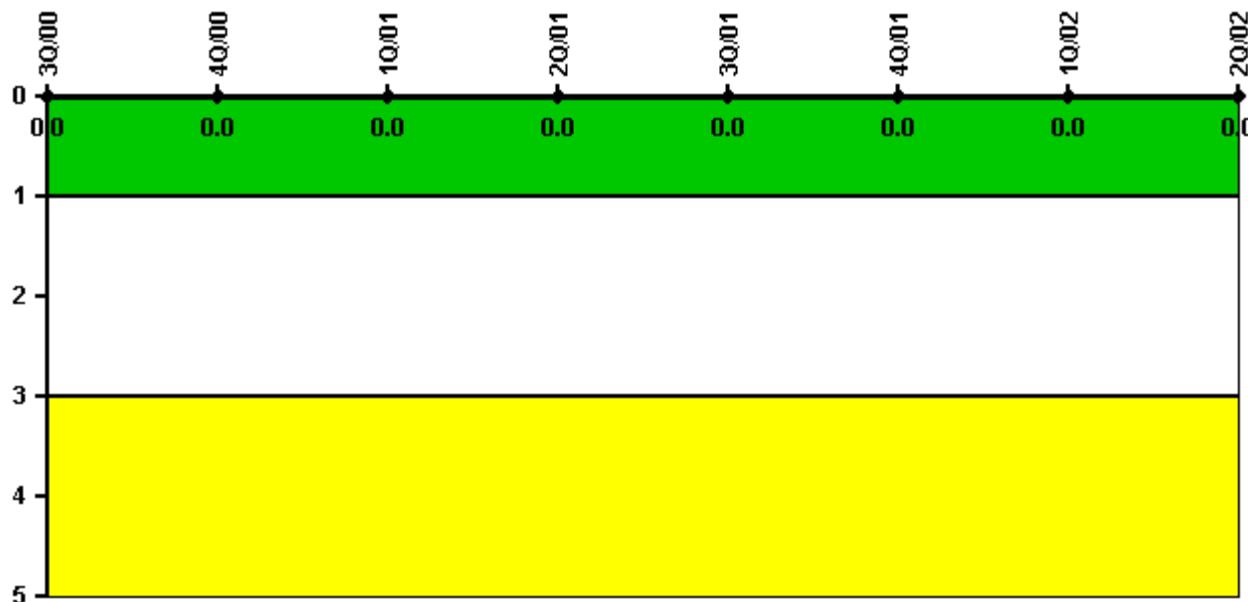
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

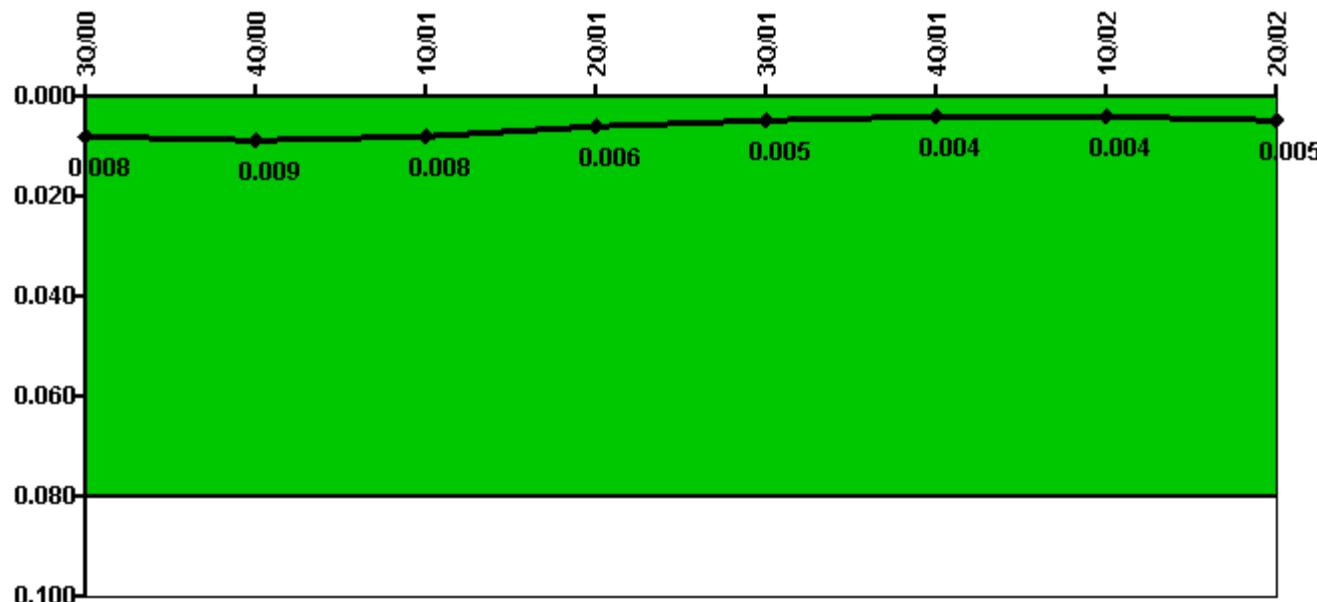
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

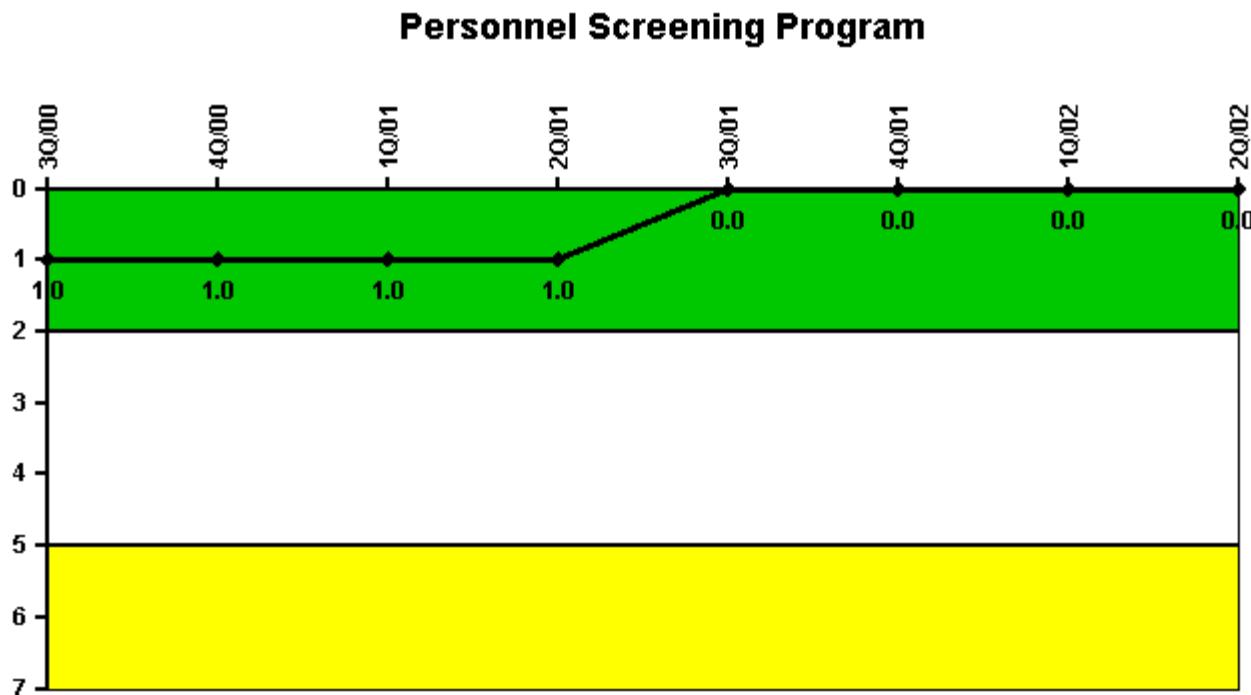


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	117.21	135.00	73.67	42.11	41.09	28.17	50.42	17.83
CCTV compensatory hours	1.3	3.2	0.2	0.2	29.9	0	54.4	58.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.009	0.008	0.006	0.005	0.004	0.004	0.005

Licensee Comments: none

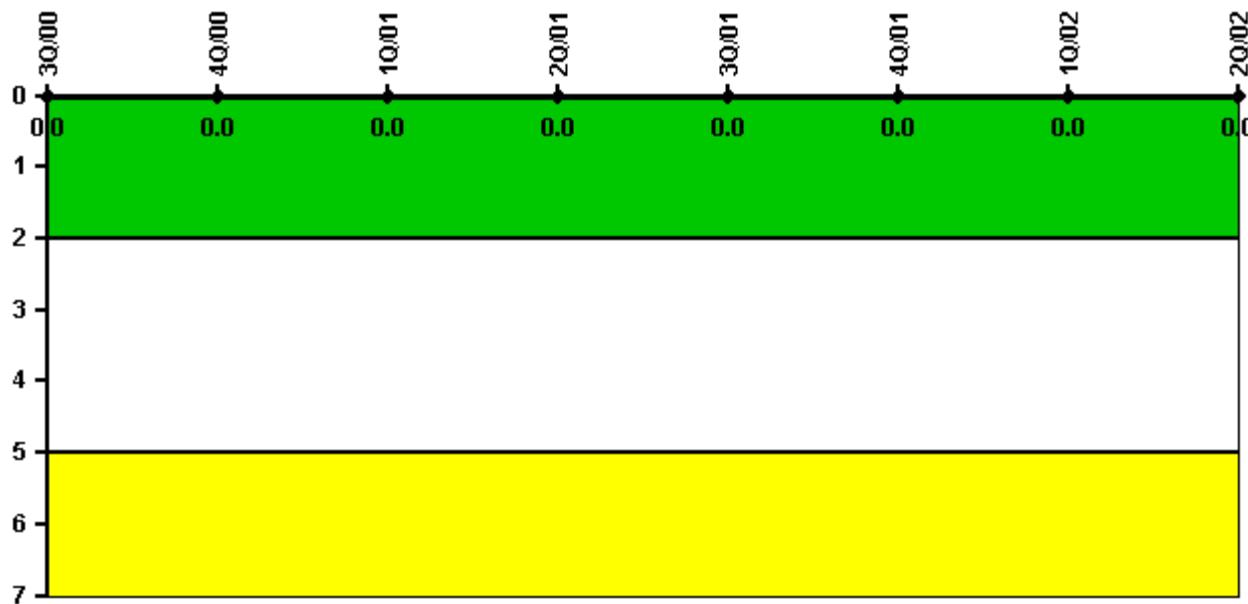


Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

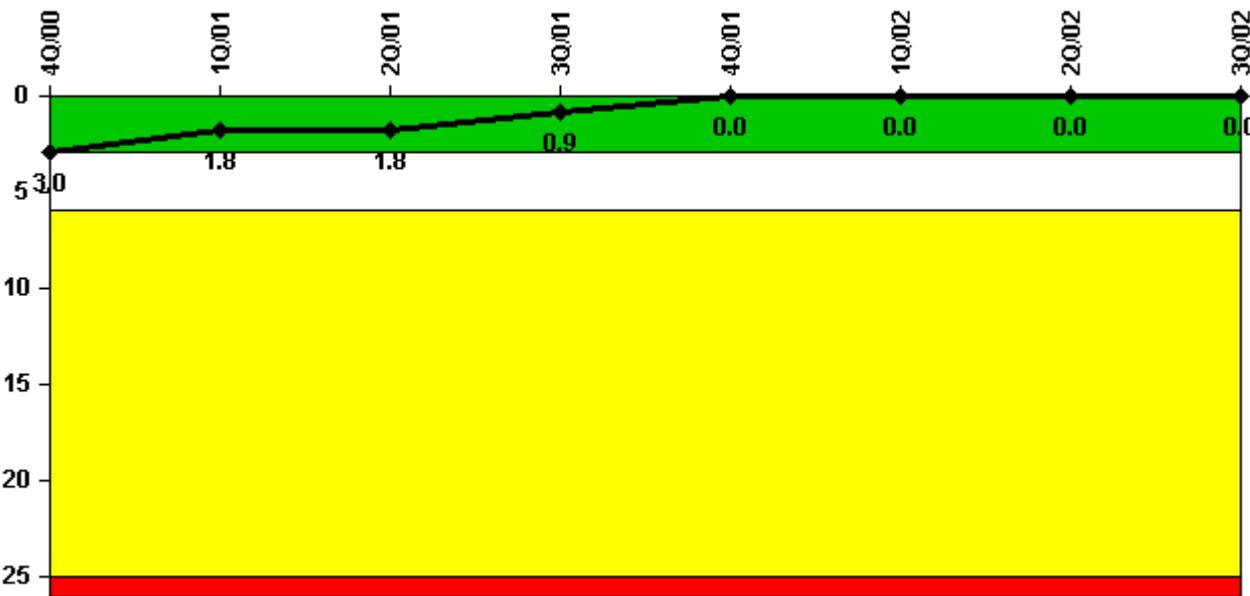
Last Modified: July 31, 2002

Sequoyah 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

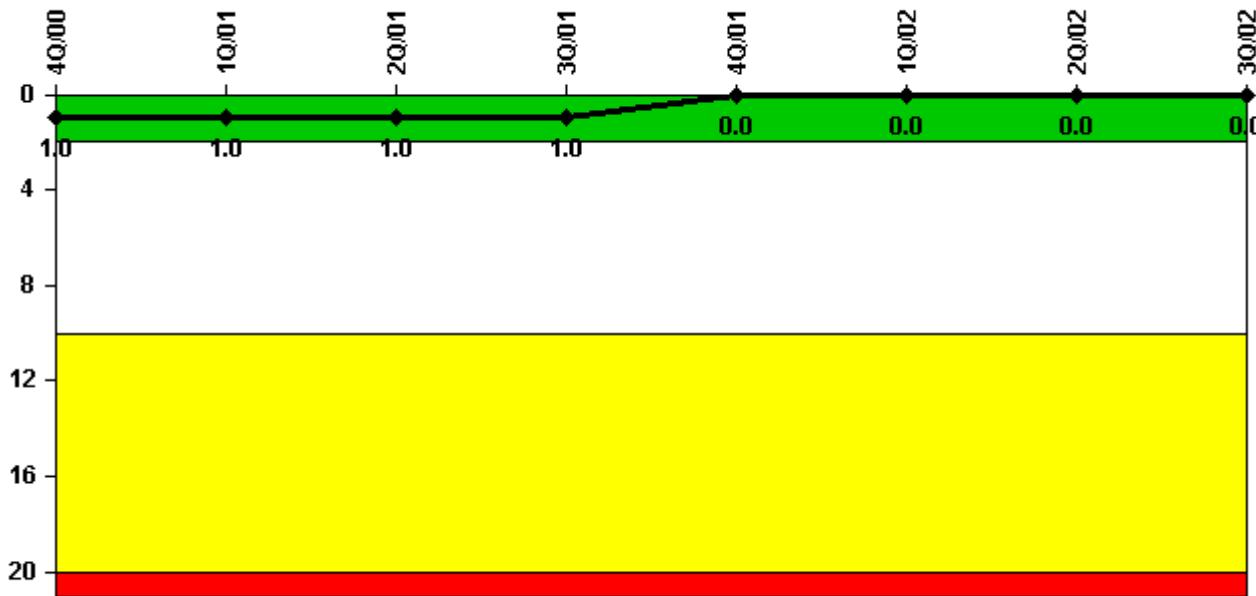


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0
Indicator value	3.0	1.8	1.8	0.9	0	0	0	0

Licensee Comments: none

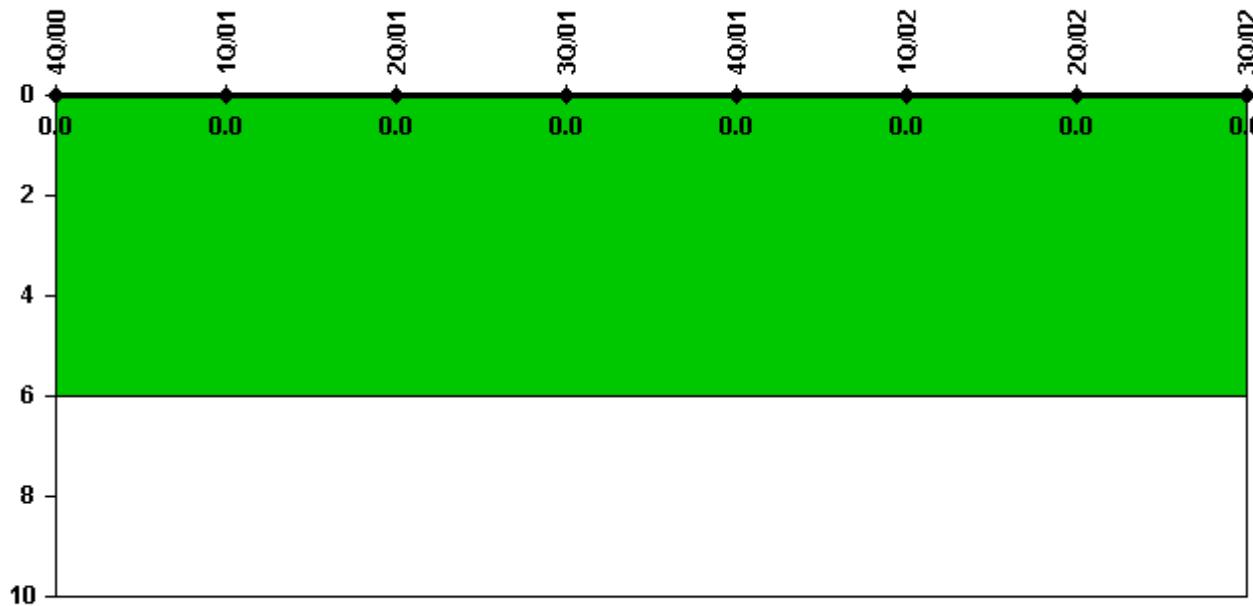
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

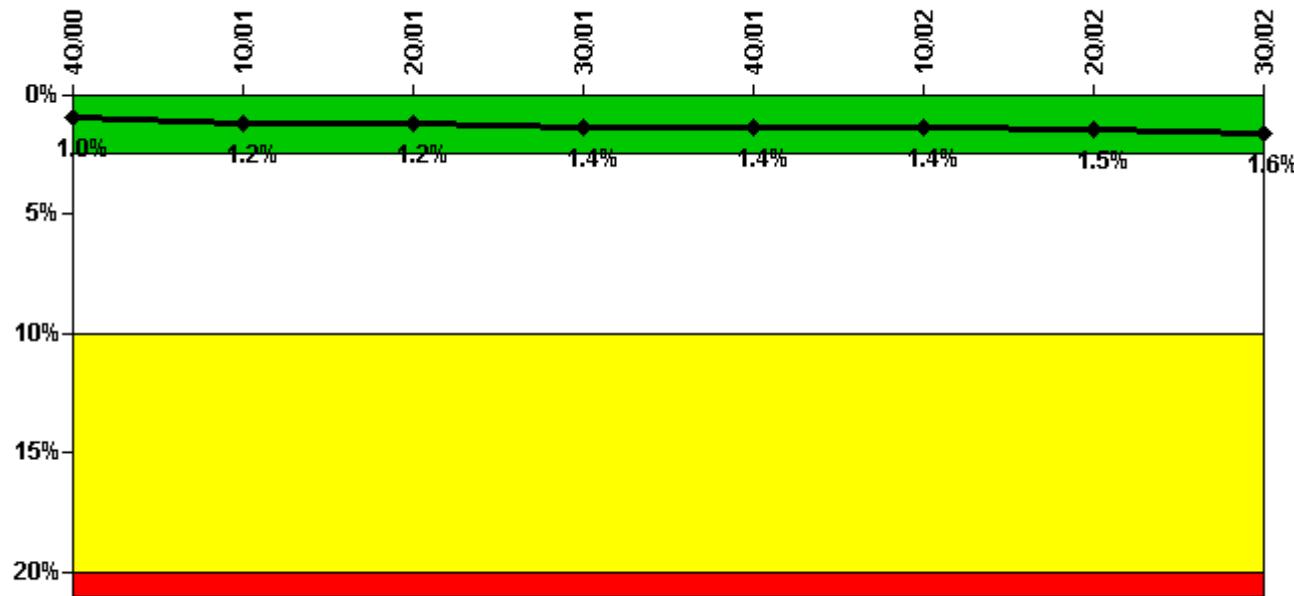
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1198.1	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



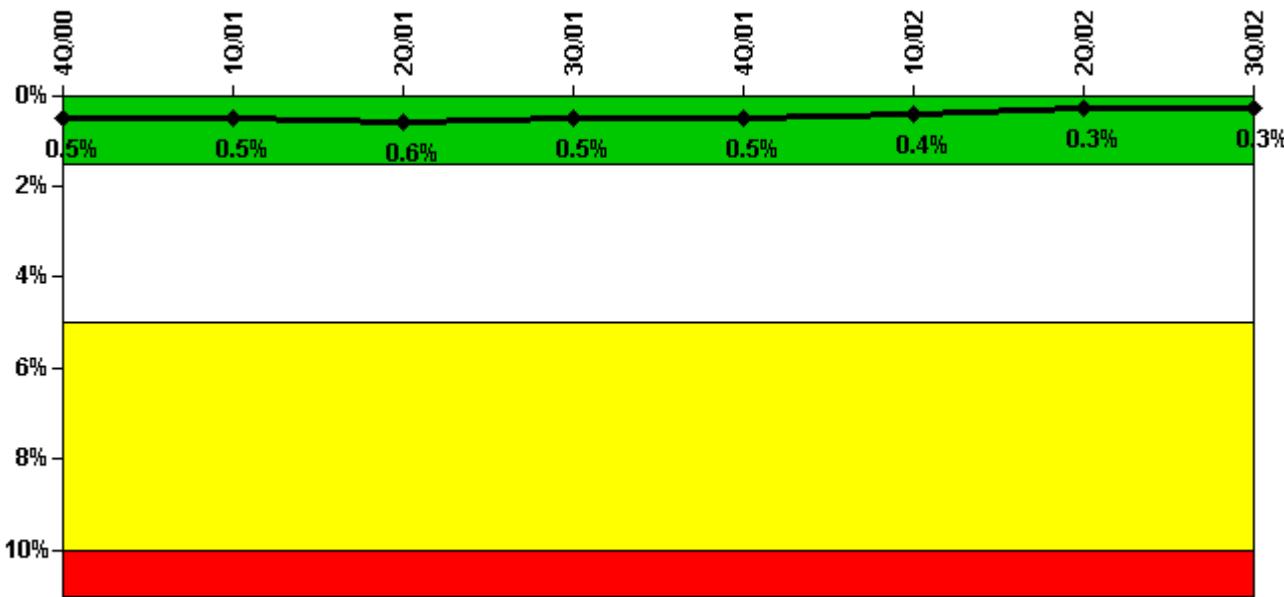
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	17.92	87.97	4.50	90.72	123.50	91.92	26.38	9.00
Unplanned unavailable hours	3.77	0	0	0	0	0	0	8.02
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.15	57.22	3.62	2.53	7.08	4.53	26.40	12.48
Unplanned unavailable hours	14.53	0	0	0	0	0	0	3.05
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	13.10	131.72	4.13	2.13	1.95	161.88	61.87	29.35
Unplanned unavailable hours	24.53	0	0	0	24.17	0	5.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	10.50	157.67	8.33	57.95	9.87	19.82	23.28	36.57
Unplanned unavailable hours	0	0	0	0	0	15.05	0	33.72
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.0%	1.2%	1.2%	1.4%	1.4%	1.4%	1.5%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

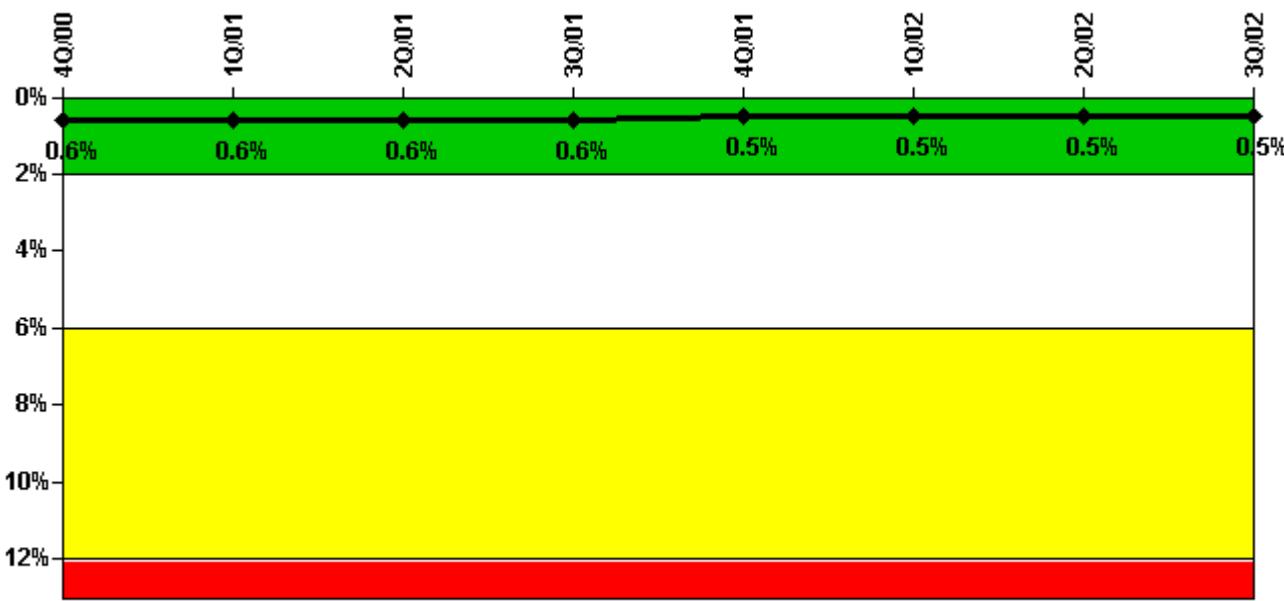
Notes

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00
Indicator value	0.5%	0.5%	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%

Licensee Comments:

3Q/02: On July 12, 2002, at 2034, 1A-A centrifugal charging pump room cooler was discovered not running. The T/2 fault exposure hours are estimated at 6 hours.

Safety System Unavailability, Heat Removal System (AFW)



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

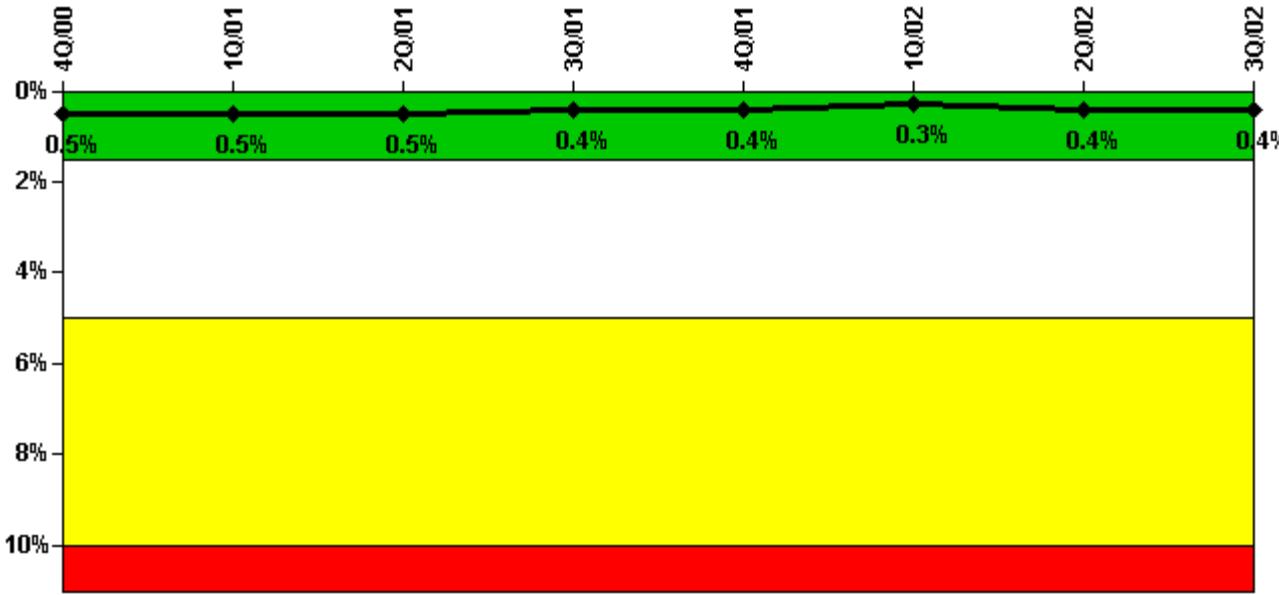
Notes

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	3.32	56.02	1.93	5.80	2.96	9.45	11.31
Unplanned unavailable hours	0	0	0	0	0	0	0	2.17
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1322.90	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	2.10	6.67	12.79	3.74	10.63	27.98	3.23	15.86
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1362.10	2160.00	2183.00	2208.00	1526.20	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0	0	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	1362.10	2160.00	2183.00	2208.00	1526.20	2160.00	2183.00	2208.00

Planned unavailable hours	1.00	7.65	4.44	7.59	2.15	3.27	6.97	1.69
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1274.90	2160.00	2183.00	2208.00	1483.10	2160.00	2183.00	2208.00
Indicator value	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

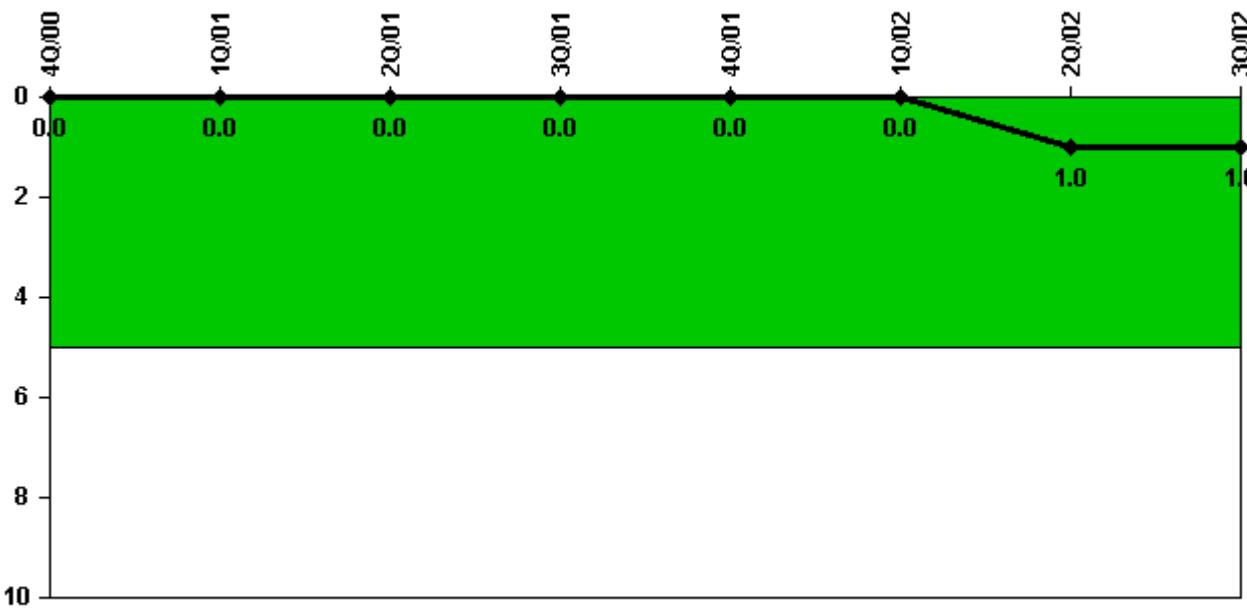
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	13.00	10.20	11.70	7.30	8.90	3.80	12.90	2.60
Unplanned unavailable hours	0	0	0	0	0	0	0	16.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.10	9.40	2.50	11.90	8.00	3.40	6.90	14.80
Unplanned unavailable hours	0	0	0	0	0	0	0	2.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00	2208.00

Indicator value	0.5%	0.5%	0.5%	0.4%	0.4%	0.3%	0.4%	0.4%
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Licensee Comments: none

Safety System Functional Failures (PWR)



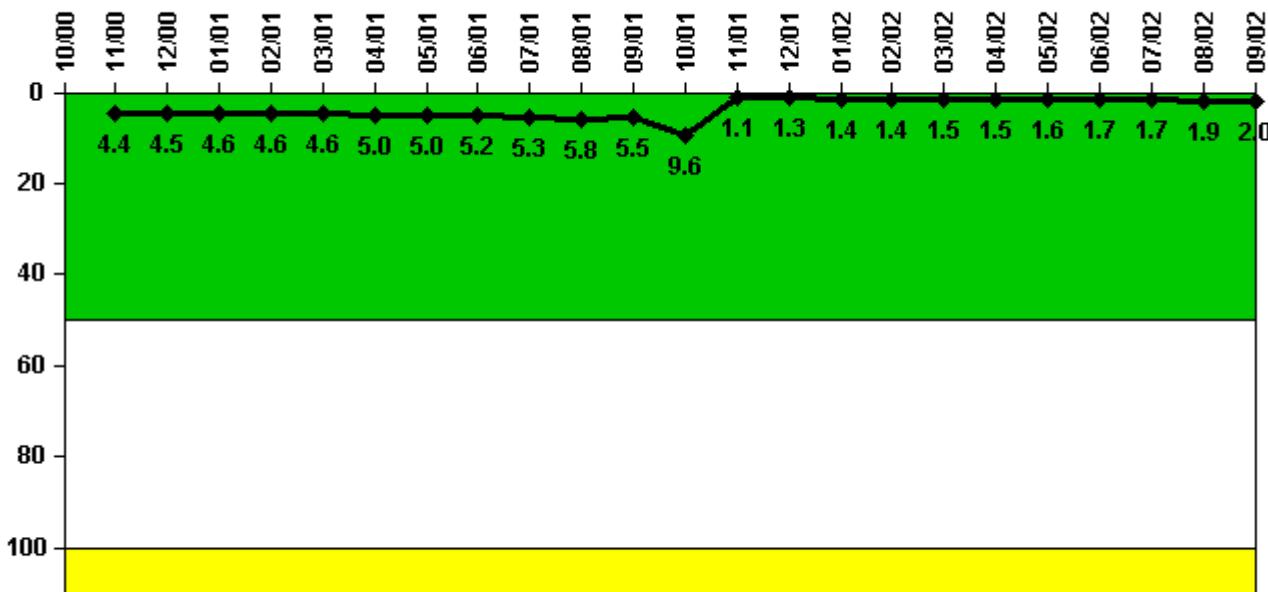
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

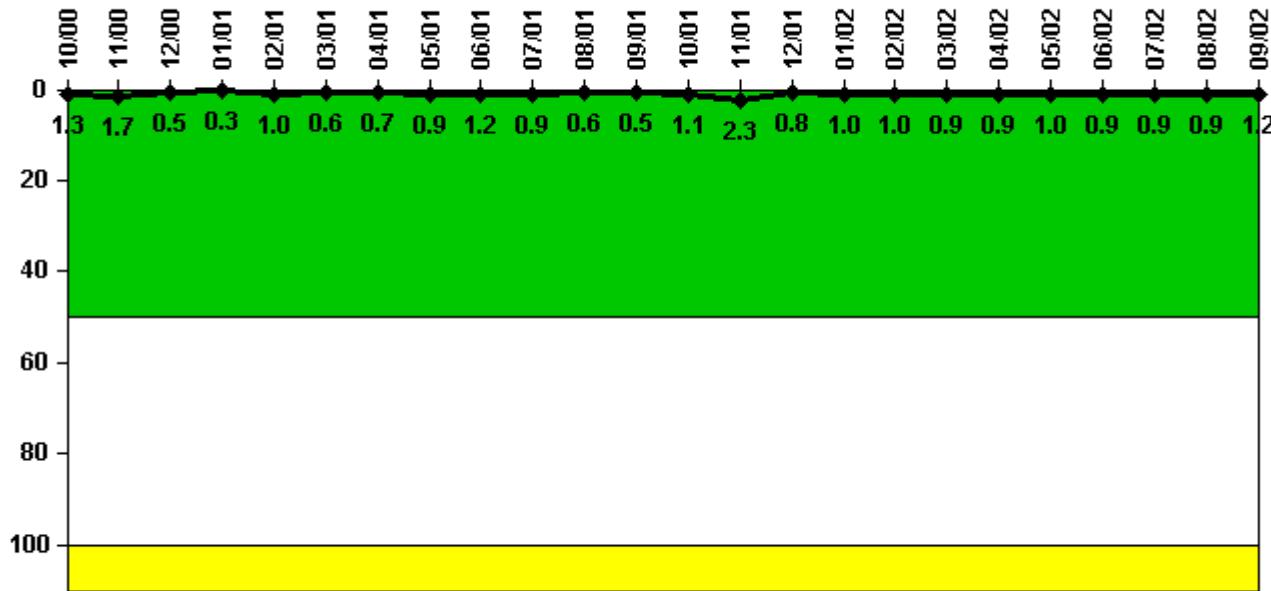
Notes

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	N/A	0.011000	0.011200	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	N/A	4.4	4.5	4.6	4.6	4.6	5.0	5.0	5.2	5.3	5.8	5.5

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	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	9.6	1.1	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.9	2.0

Licensee Comments: none

Reactor Coolant System Leakage



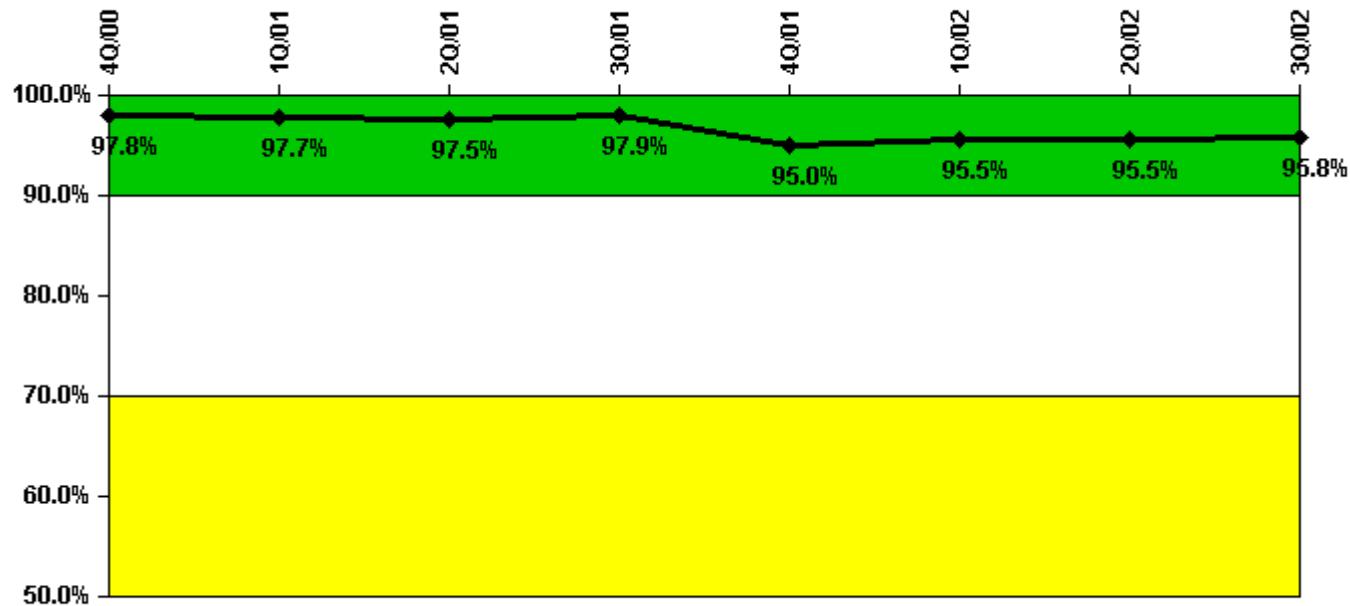
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.130	0.170	0.050	0.030	0.100	0.060	0.070	0.090	0.120	0.090	0.060	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.7	0.5	0.3	1.0	0.6	0.7	0.9	1.2	0.9	0.6	0.5
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	0.110	0.230	0.080	0.100	0.100	0.090	0.090	0.100	0.090	0.090	0.090	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	2.3	0.8	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.9	1.2

Licensee Comments: none

Drill/Exercise Performance



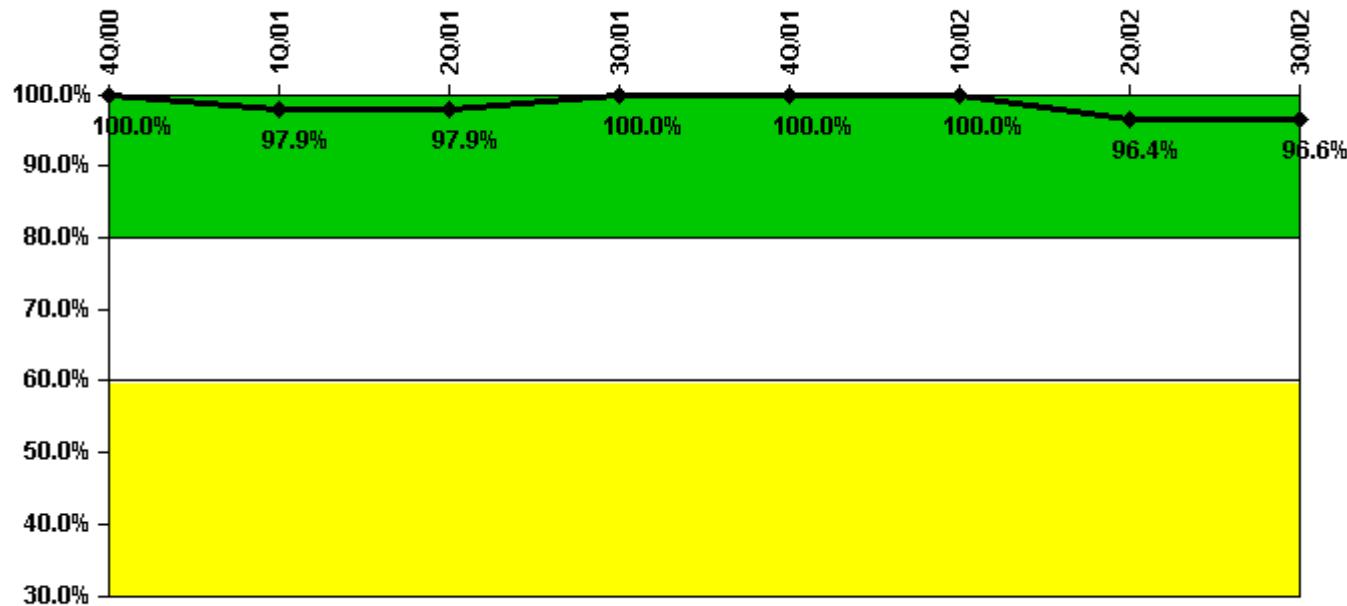
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	38.0	0	4.0	31.0	30.0	14.0	10.0	9.0
Total opportunities	38.0	0	4.0	32.0	34.0	14.0	10.0	10.0
Indicator value	97.8%	97.7%	97.5%	97.9%	95.0%	95.5%	95.5%	95.8%

Licensee Comments: none

ERO Drill Participation



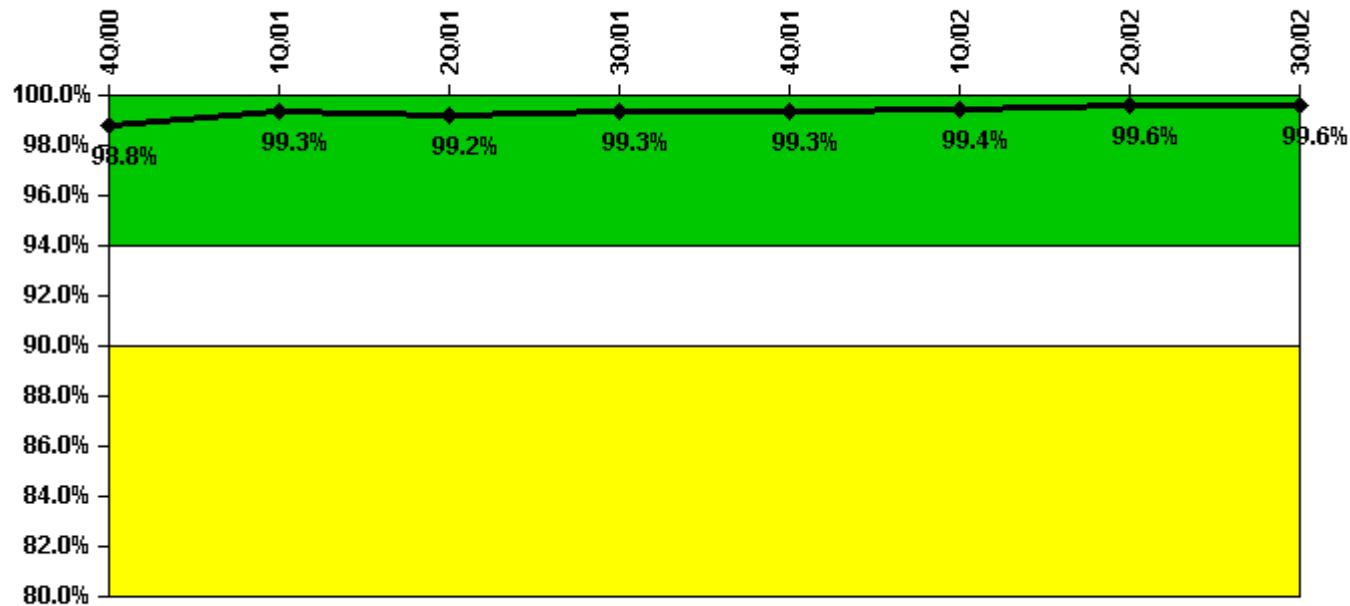
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	47.0	46.0	47.0	56.0	56.0	57.0	54.0	56.0
Total Key personnel	47.0	47.0	48.0	56.0	56.0	57.0	56.0	58.0
Indicator value	100.0%	97.9%	97.9%	100.0%	100.0%	100.0%	96.4%	96.6%

Licensee Comments: none

Alert & Notification System

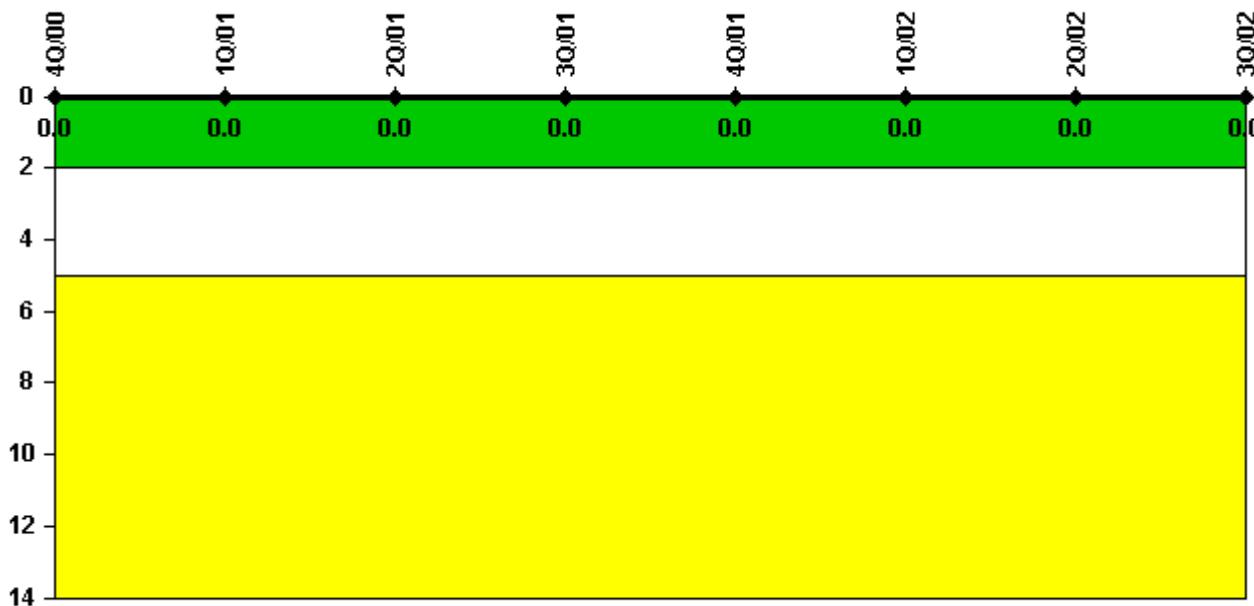


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	863	749	961	859	970	752	968	753
Total sirens-tests	864	756	972	864	972	756	972	756
Indicator value	98.8%	99.3%	99.2%	99.3%	99.3%	99.4%	99.6%	99.6%

Licensee Comments: none

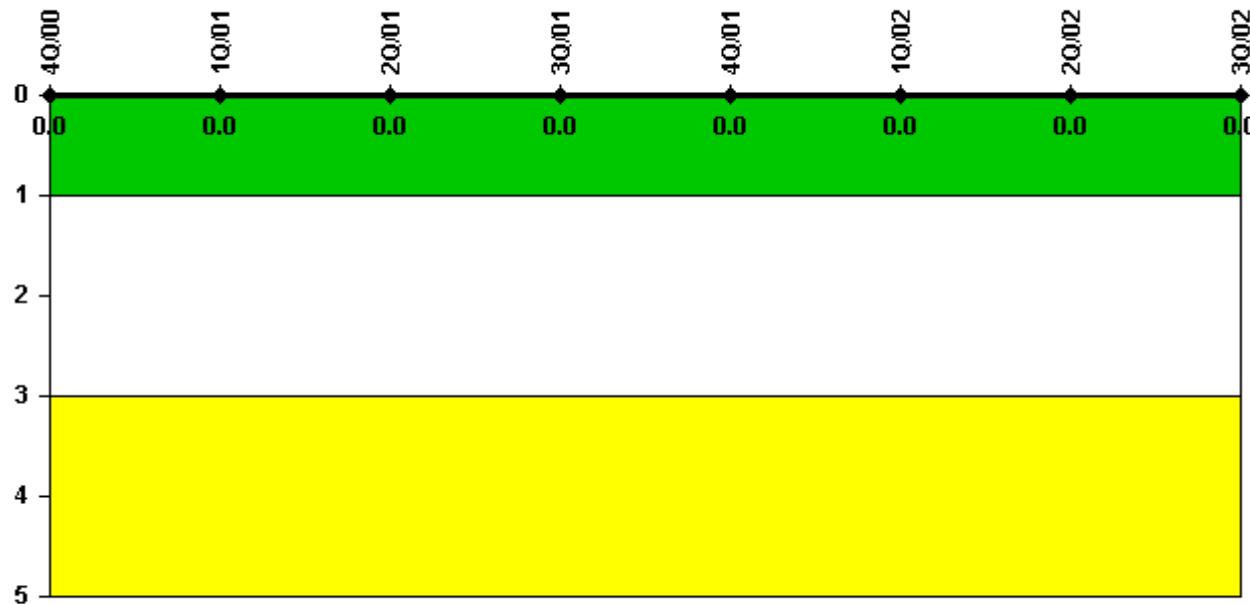
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

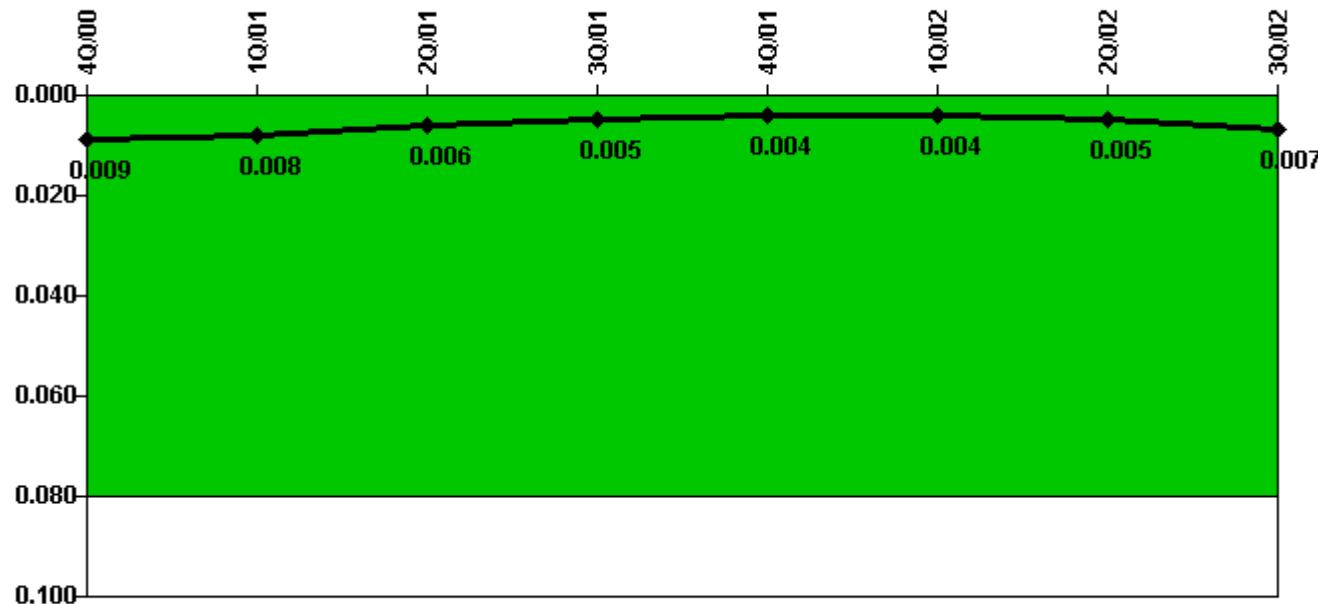
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

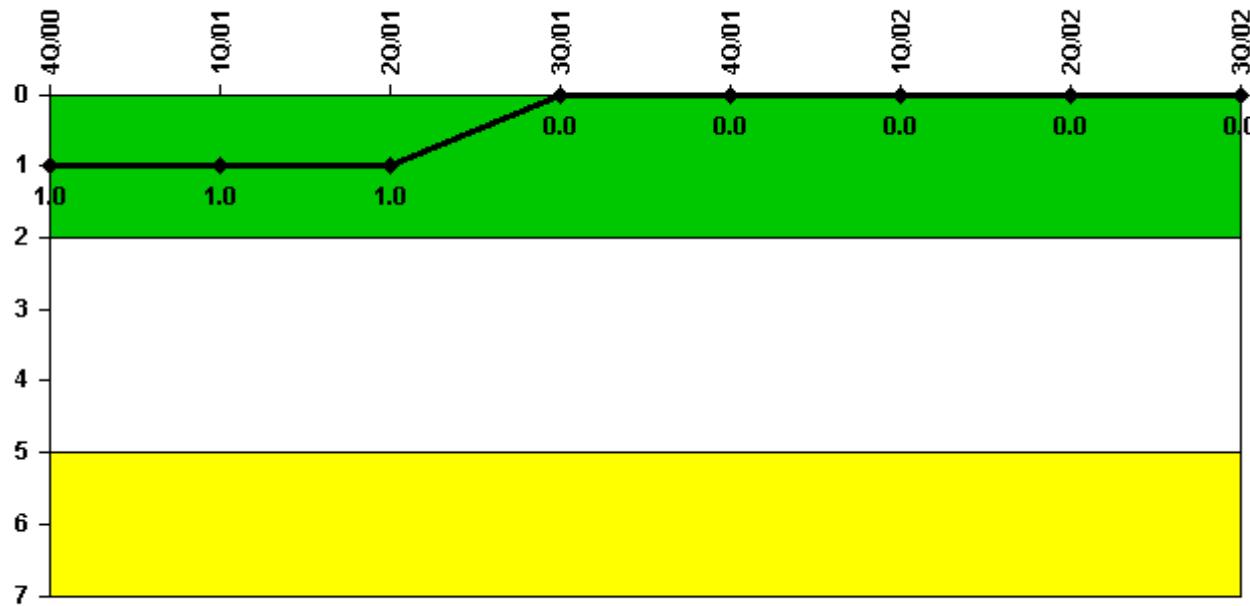


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	135.00	73.67	42.11	41.09	28.17	50.42	17.83	31.09
CCTV compensatory hours	3.2	0.2	0.2	29.9	0	54.4	58.2	106.1
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.009	0.008	0.006	0.005	0.004	0.004	0.005	0.007

Licensee Comments: none

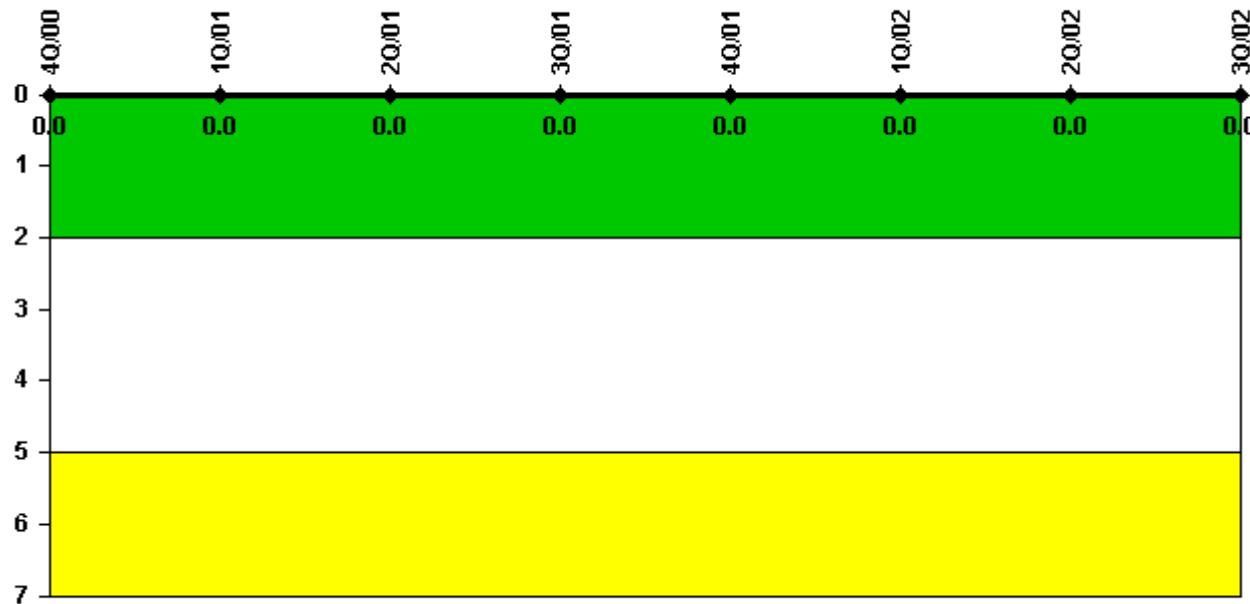
Personnel Screening Program

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	1	1	1	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

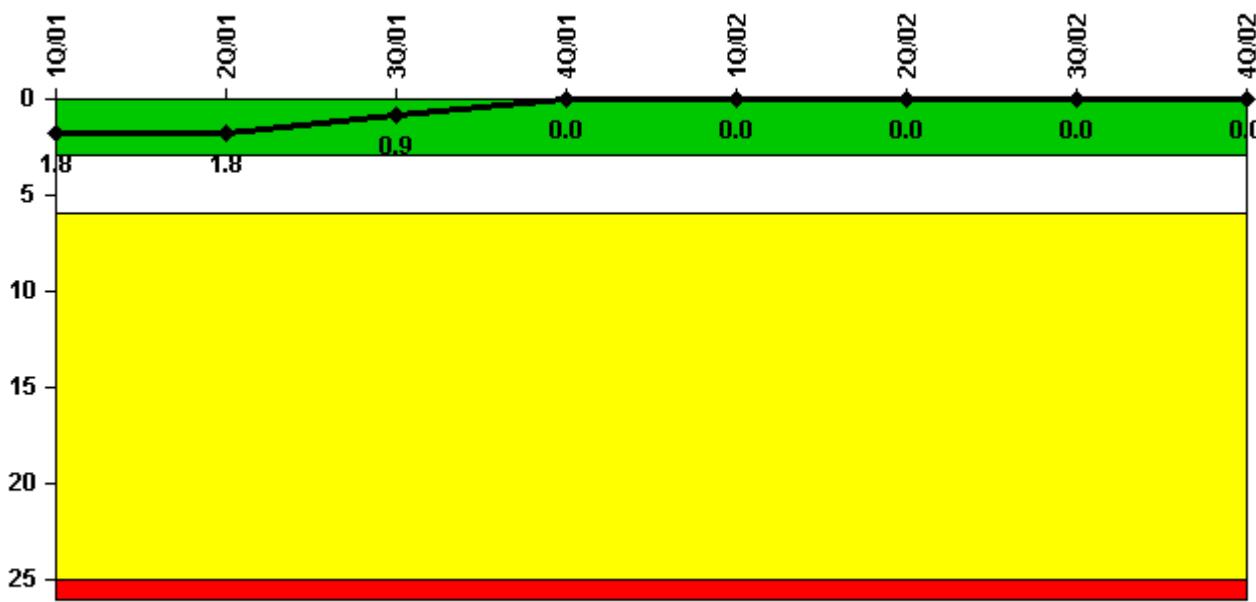


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 22, 2002

Sequoyah 1**4Q/2002 Performance Indicators**

Licensee's General Comments: none

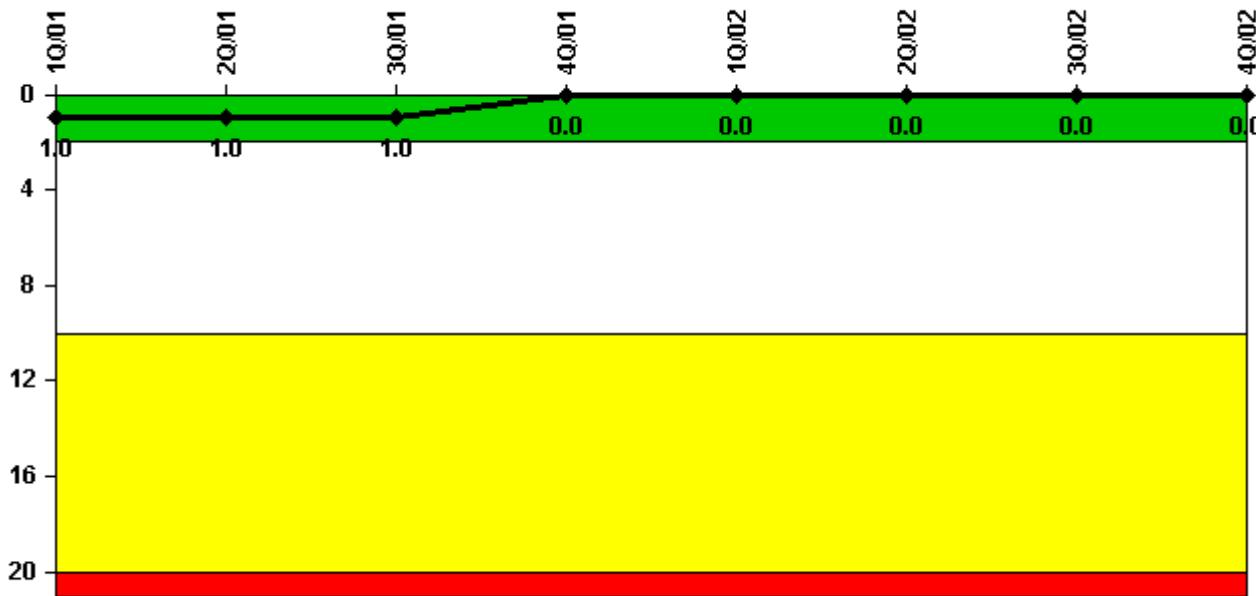
Unplanned Scrams per 7000 Critical Hrs

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	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0
Indicator value	1.8	1.8	0.9	0	0	0	0	0

Licensee Comments: none

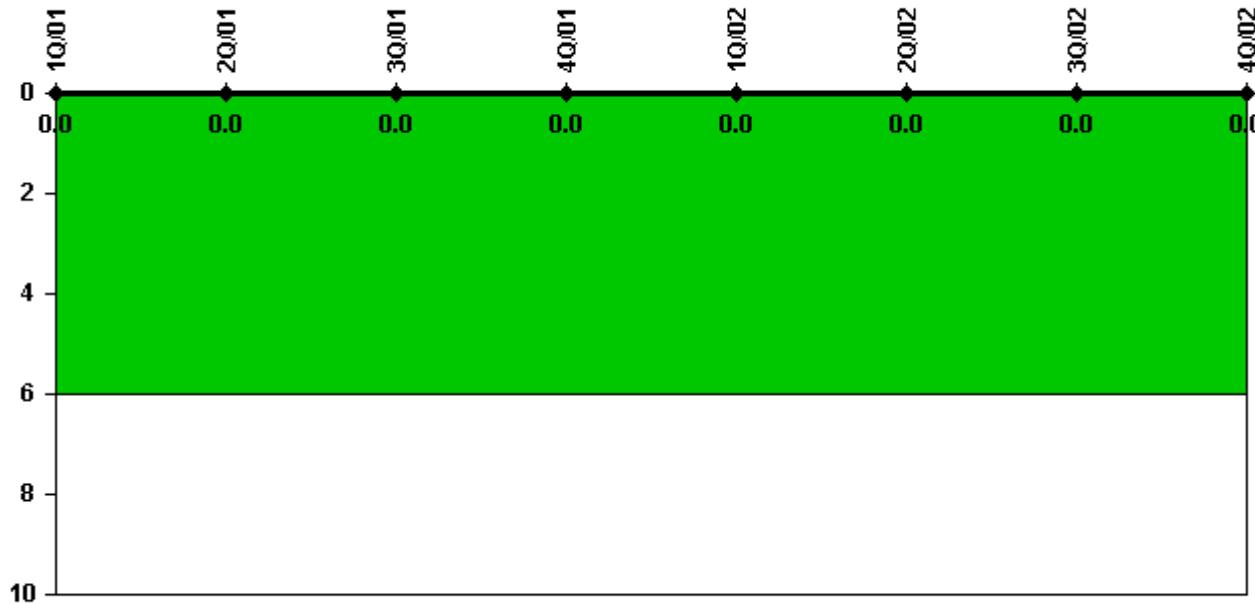
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

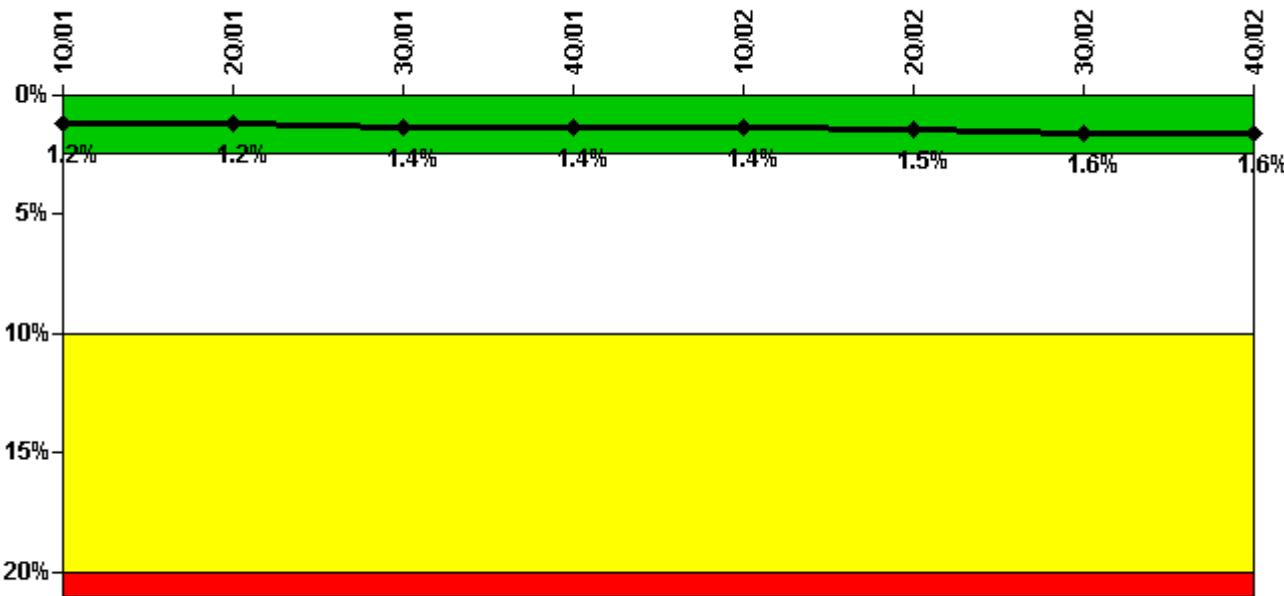
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



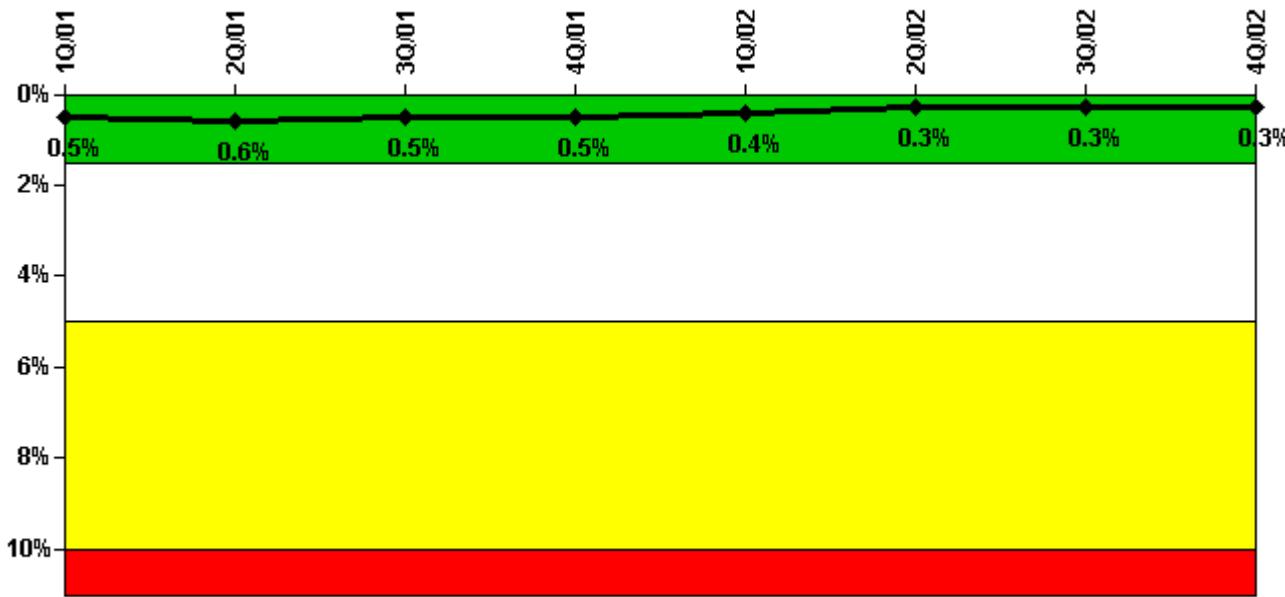
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	87.97	4.50	90.72	123.50	91.92	26.38	9.00	6.75
Unplanned unavailable hours	0	0	0	0	0	0	8.02	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	57.22	3.62	2.53	7.08	4.53	26.40	12.48	9.20
Unplanned unavailable hours	0	0	0	0	0	0	3.05	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	131.72	4.13	2.13	1.95	161.88	61.87	29.35	4.43
Unplanned unavailable hours	0	0	0	24.17	0	5.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	157.67	8.33	57.95	9.87	19.82	23.28	36.57	12.25
Unplanned unavailable hours	0	0	0	0	15.05	0	33.72	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.2%	1.4%	1.4%	1.4%	1.5%	1.6%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

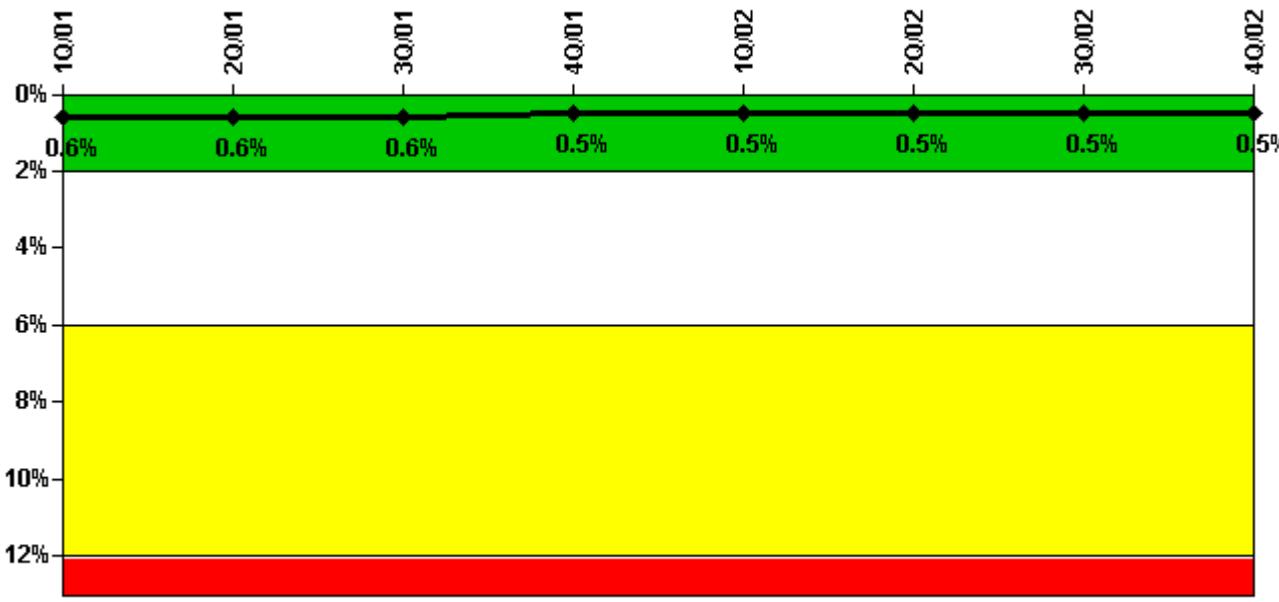
Notes

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		9.50	3.80	2.30	1.90	4.10	2.80	9.10	2.10
Unplanned unavailable hours		0	0	0	0	0	0	45.10	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	1526.20	2160.00	2183.00	2208.00	2209.00
Train 2									
Planned unavailable hours		3.80	2.60	5.20	1.80	1.30	2.70	10.20	1.10
Unplanned unavailable hours		0	0	0	0	0	0	2.30	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	1526.20	2160.00	2183.00	2208.00	2209.00
Train 3									
Planned unavailable hours		4.50	13.10	3.30	4.60	5.40	15.90	3.50	2.10
Unplanned unavailable hours		0	0	0	0	0	0	2.20	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		2160.00	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00
Train 4									
Planned unavailable hours		8.80	3.60	5.10	2.30	4.20	4.70	11.50	1.60
Unplanned unavailable hours		0	0	0	0	0	0	2.30	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00

Indicator value	0.5%	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%	0.3%
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Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



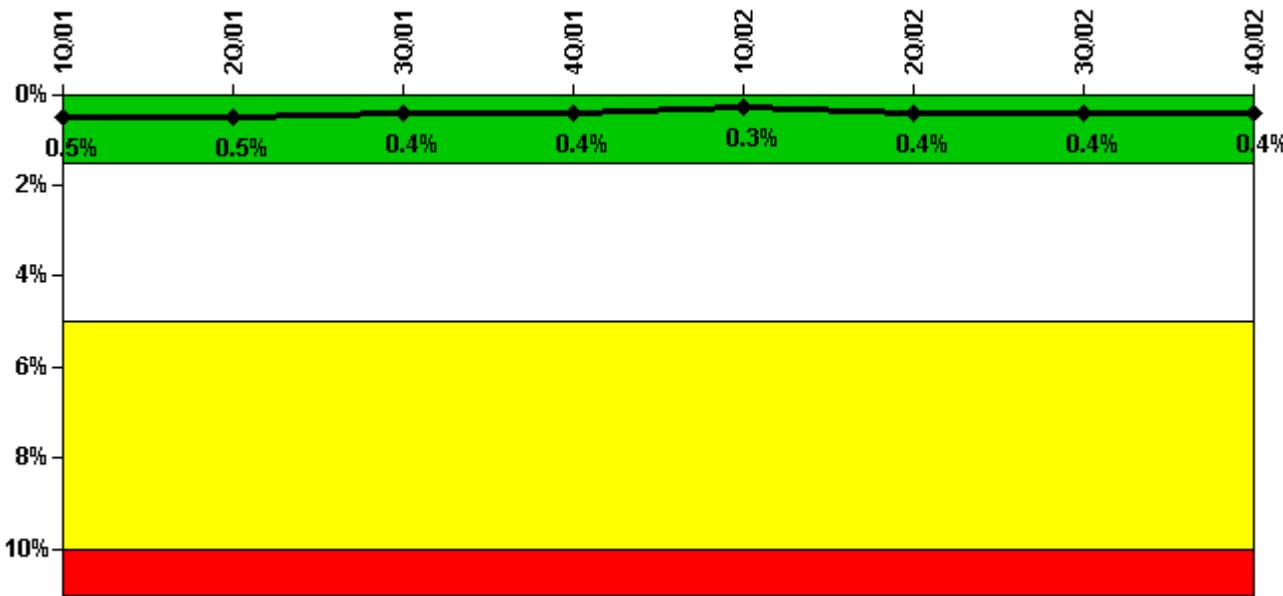
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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	3.32	56.02	1.93	5.80	2.96	9.45	11.31	2.80
Unplanned unavailable hours	0	0	0	0	0	0	2.17	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	6.67	12.79	3.74	10.63	27.98	3.23	15.86	17.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1526.20	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	7.65	4.44	7.59	2.15	3.27	6.97	1.69	12.40
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	2160.00	2183.00	2208.00	1483.10	2160.00	2183.00	2208.00	2209.00
Indicator value	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

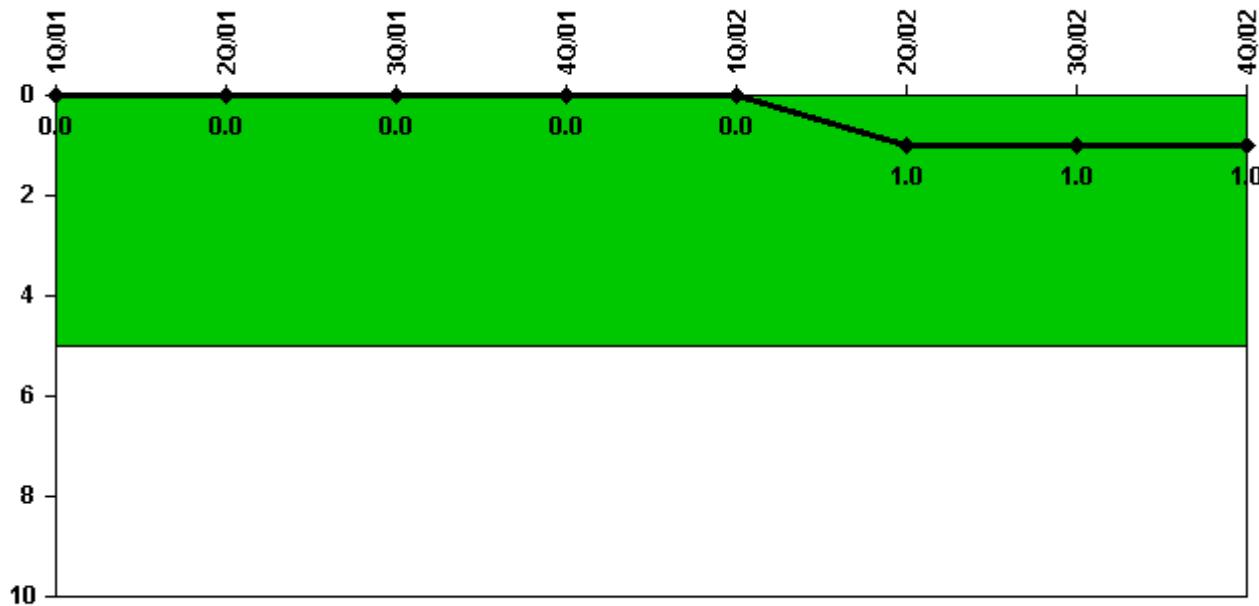


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	10.20	11.70	7.30	8.90	3.80	12.90	2.60	2.10
Unplanned unavailable hours	0	0	0	0	0	0	16.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	9.40	2.50	11.90	8.00	3.40	6.90	14.80	1.40
Unplanned unavailable hours	0	0	0	0	0	0	2.30	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1857.50	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.5%	0.4%	0.4%	0.3%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

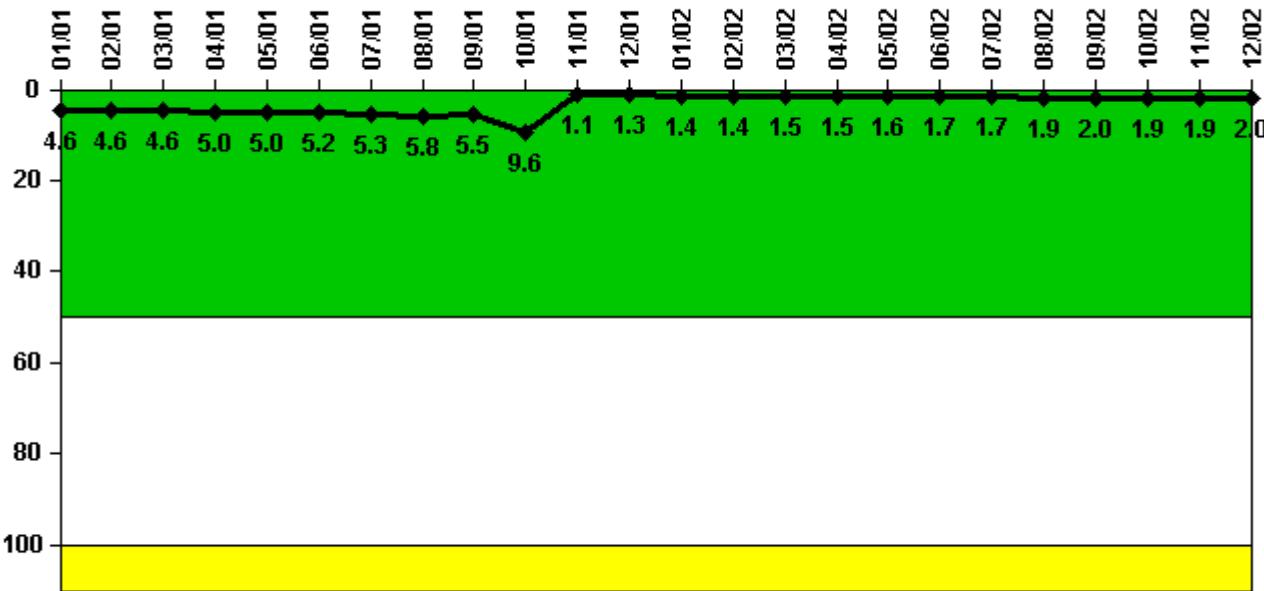
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

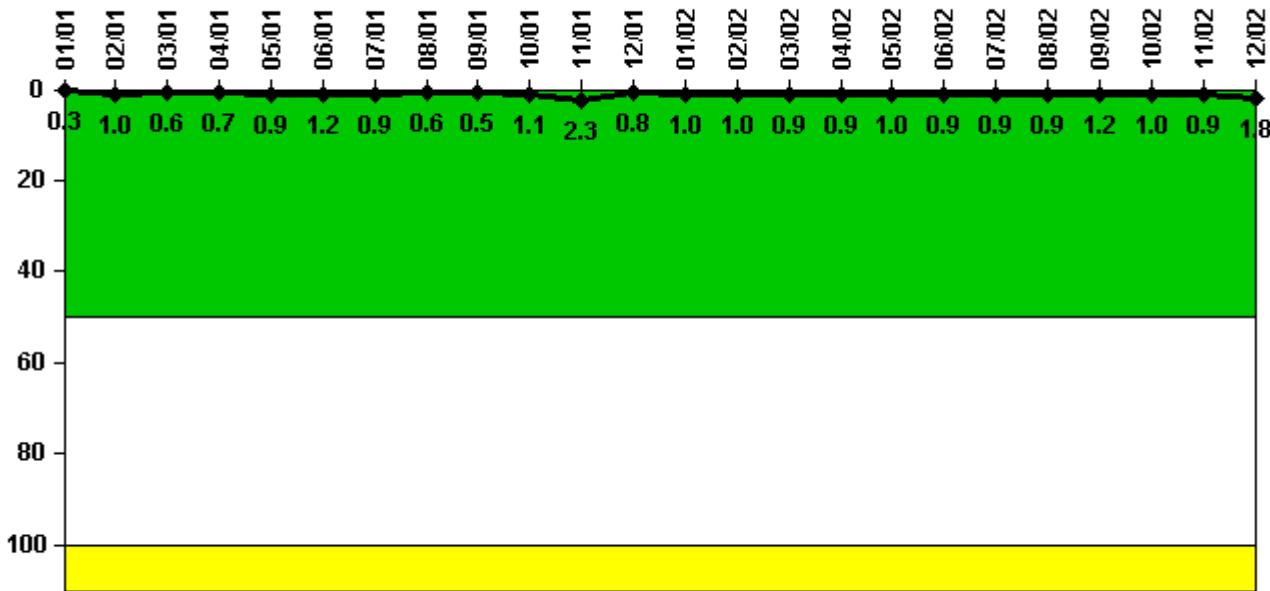
Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.011400	0.011400	0.011500	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.6	4.6	4.6	5.0	5.0	5.2	5.3	5.8	5.5	9.6	1.1	1.3

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	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.9	2.0	1.9	1.9	2.0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

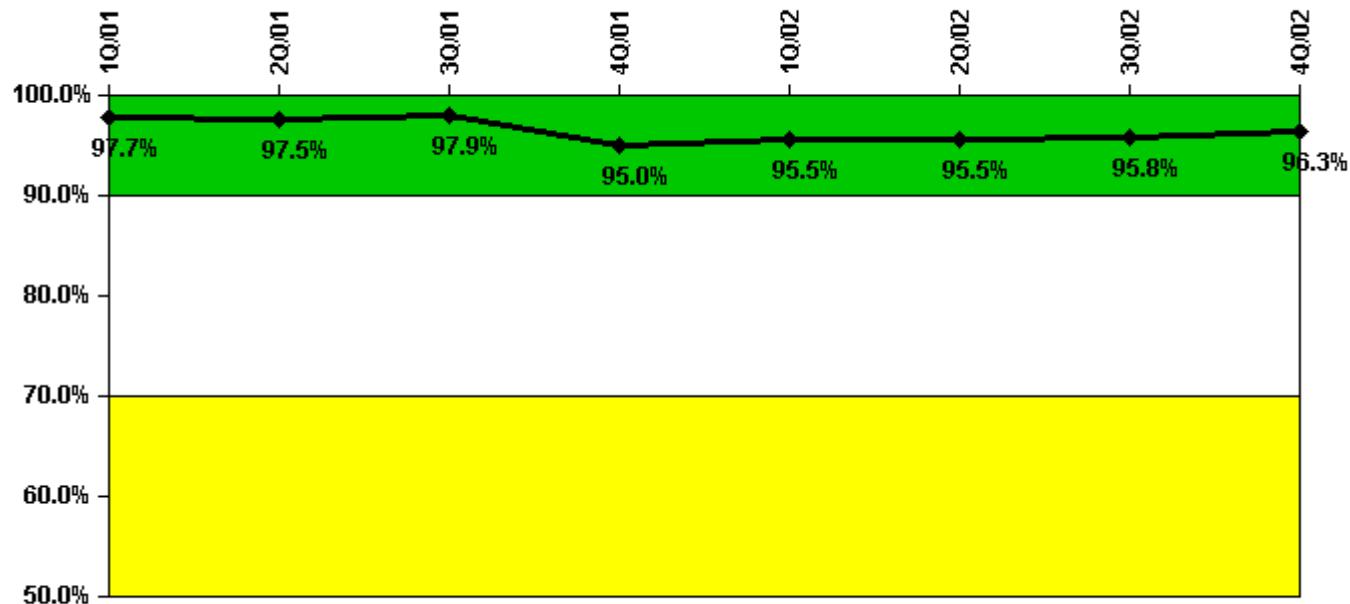
Notes

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	0.030	0.100	0.060	0.070	0.090	0.120	0.090	0.060	0.050	0.110	0.230	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	1.0	0.6	0.7	0.9	1.2	0.9	0.6	0.5	1.1	2.3	0.8

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	0.100	0.100	0.090	0.090	0.100	0.090	0.090	0.090	0.120	0.100	0.090	0.180
Technical specification limit	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	0.9	0.9	1.0	0.9	0.9	0.9	1.2	1.0	0.9	1.8

Licensee Comments: none

Drill/Exercise Performance



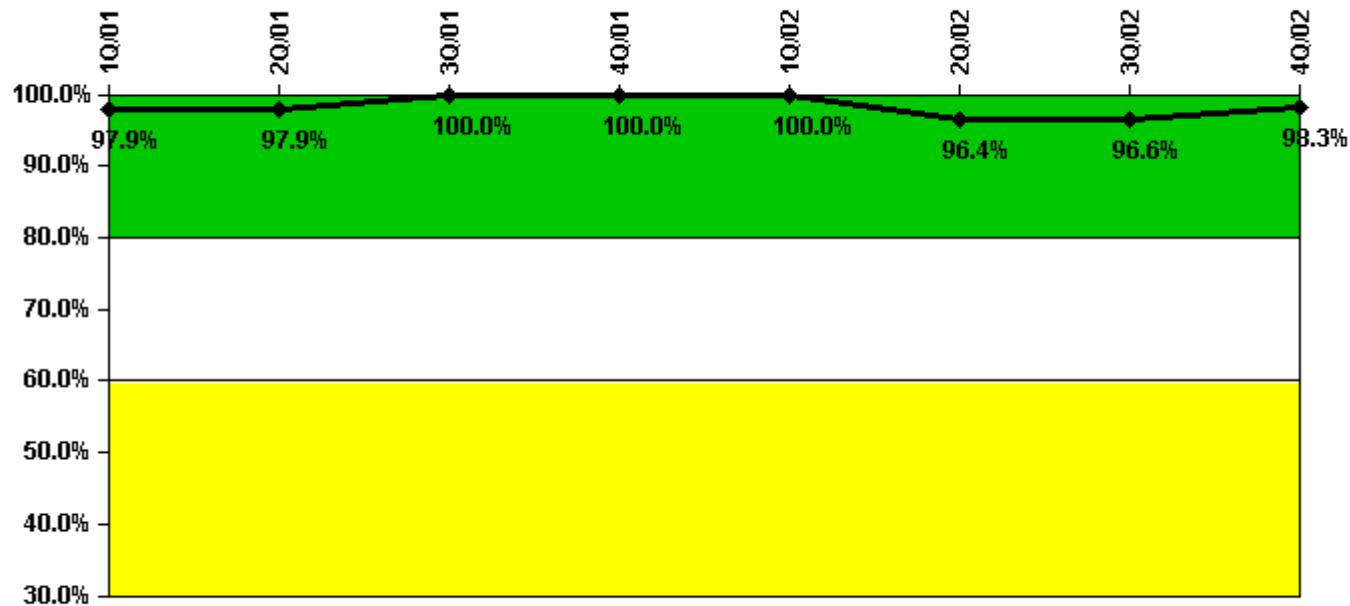
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	0	4.0	31.0	30.0	14.0	10.0	9.0	58.0
Total opportunities	0	4.0	32.0	34.0	14.0	10.0	10.0	58.0
Indicator value	97.7%	97.5%	97.9%	95.0%	95.5%	95.5%	95.8%	96.3%

Licensee Comments: none

ERO Drill Participation

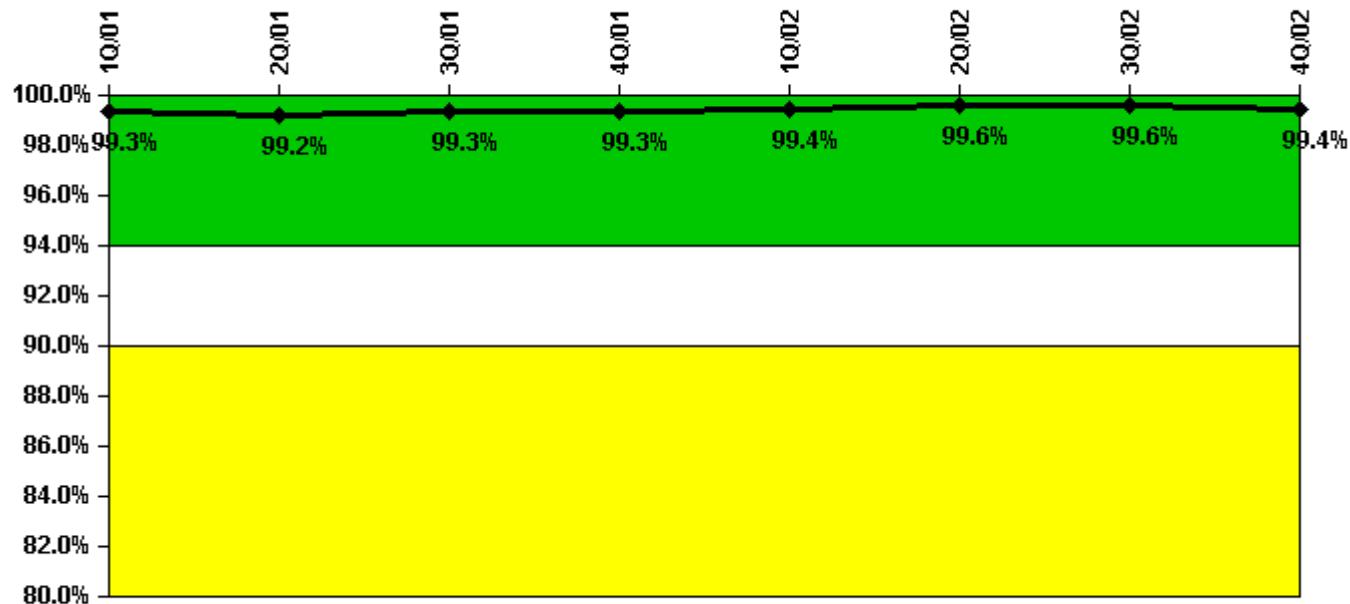


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	46.0	47.0	56.0	56.0	57.0	54.0	56.0	57.0
Total Key personnel	47.0	48.0	56.0	56.0	57.0	56.0	58.0	58.0
Indicator value	97.9%	97.9%	100.0%	100.0%	100.0%	96.4%	96.6%	98.3%

Licensee Comments: none

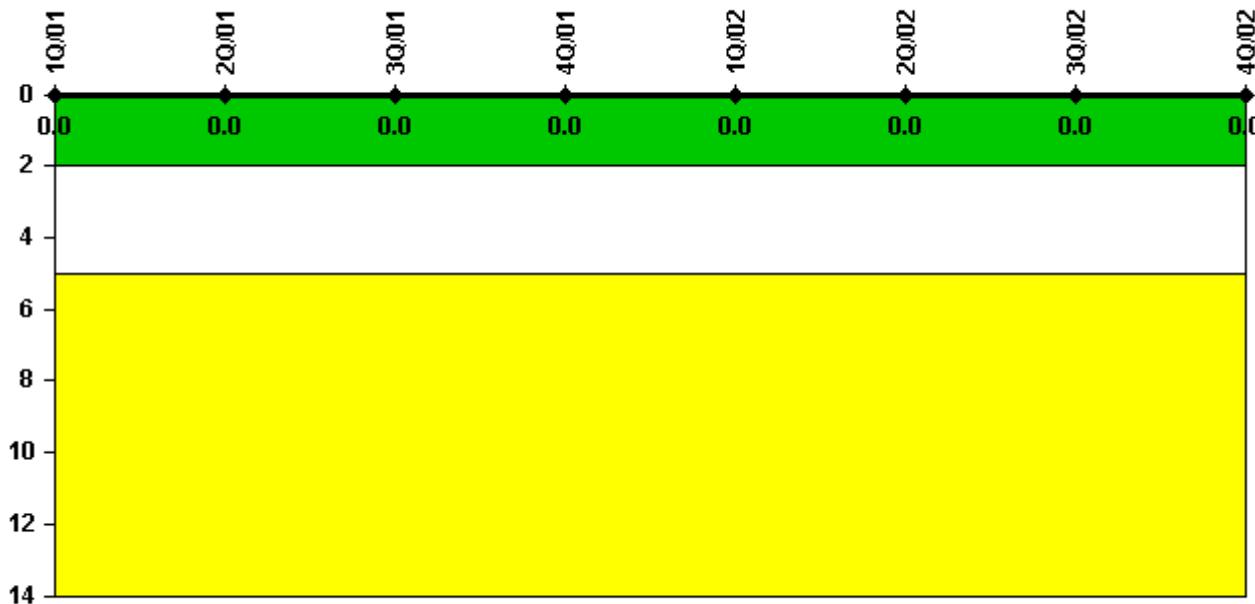
Alert & Notification System

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	749	961	859	970	752	968	753	962
Total sirens-tests	756	972	864	972	756	972	756	972
Indicator value	99.3%	99.2%	99.3%	99.3%	99.4%	99.6%	99.6%	99.4%

Licensee Comments: none

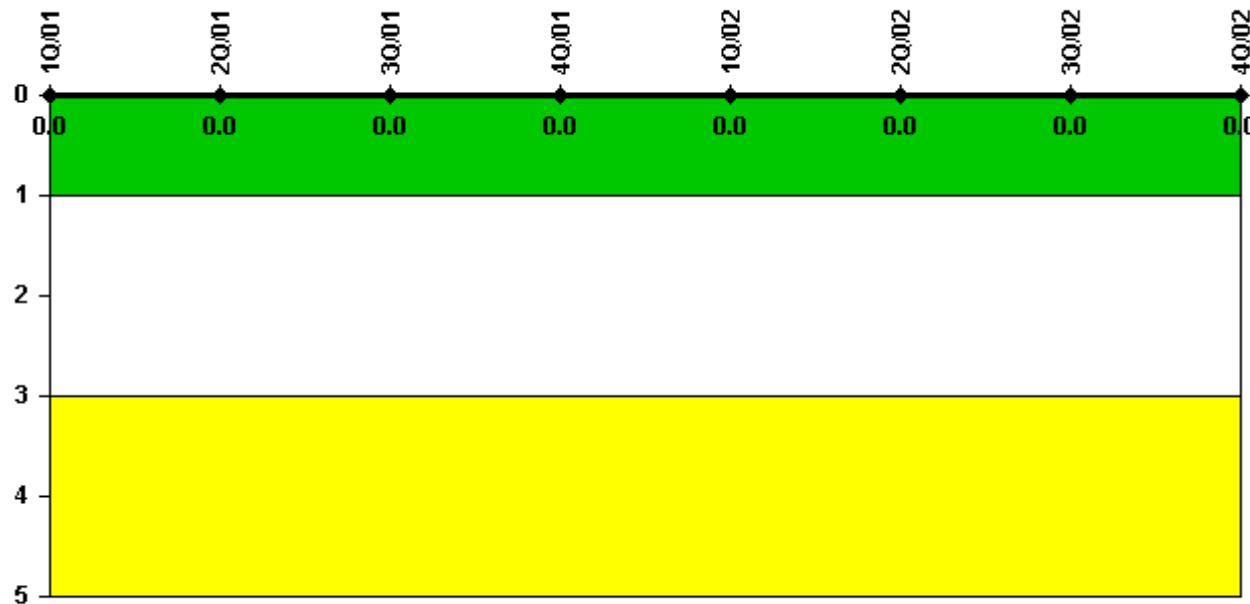
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

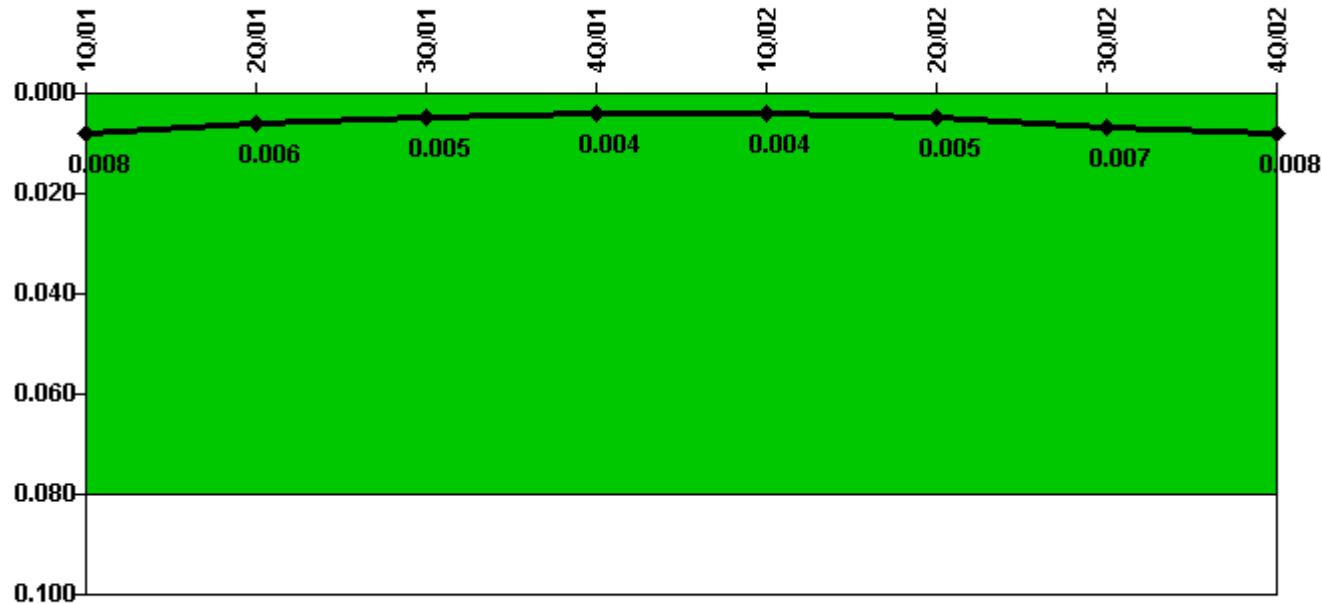
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

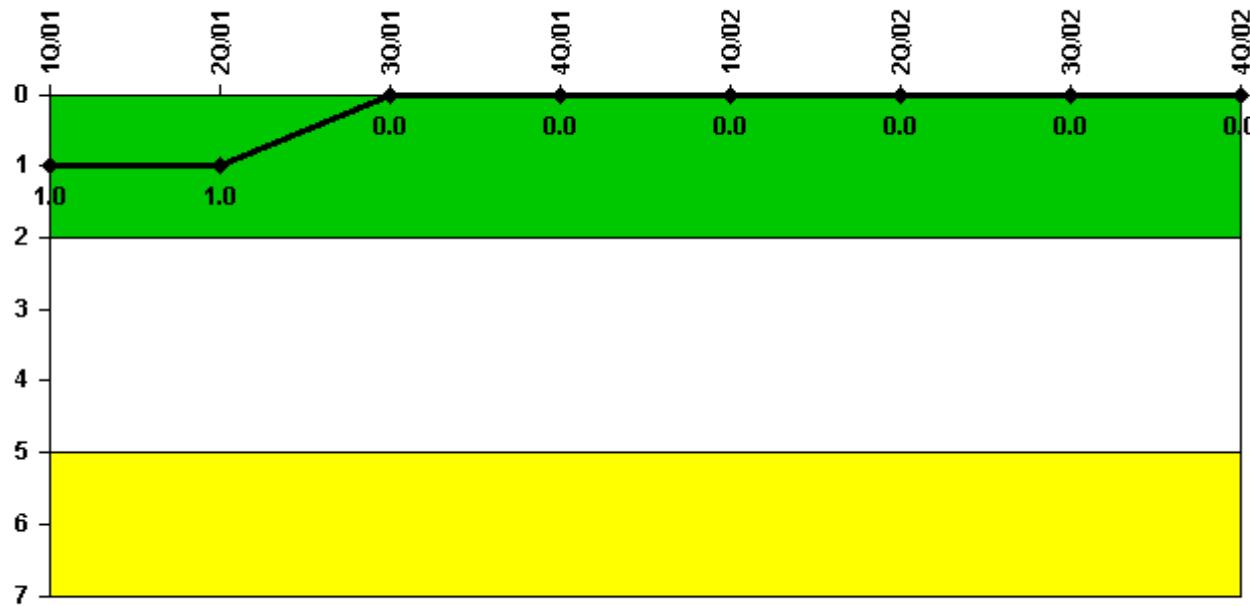


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	73.67	42.11	41.09	28.17	50.42	17.83	31.09	123.42
CCTV compensatory hours	0.2	0.2	29.9	0	54.4	58.2	106.1	0.6
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.006	0.005	0.004	0.004	0.005	0.007	0.008

Licensee Comments: none

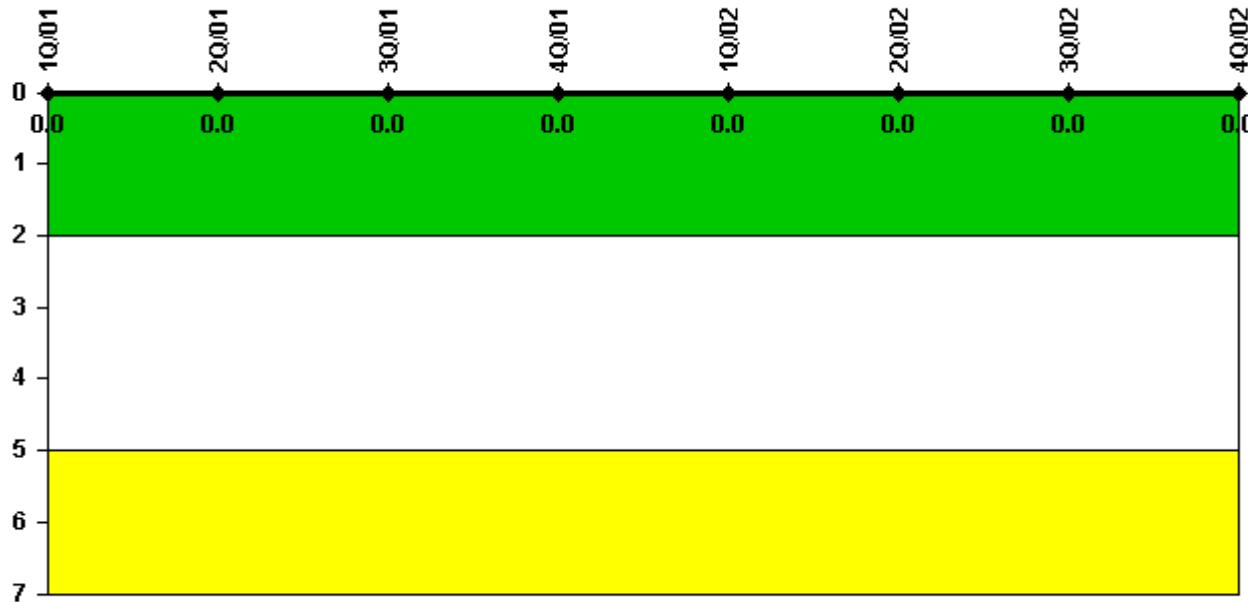
Personnel Screening Program

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	1	1	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

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1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

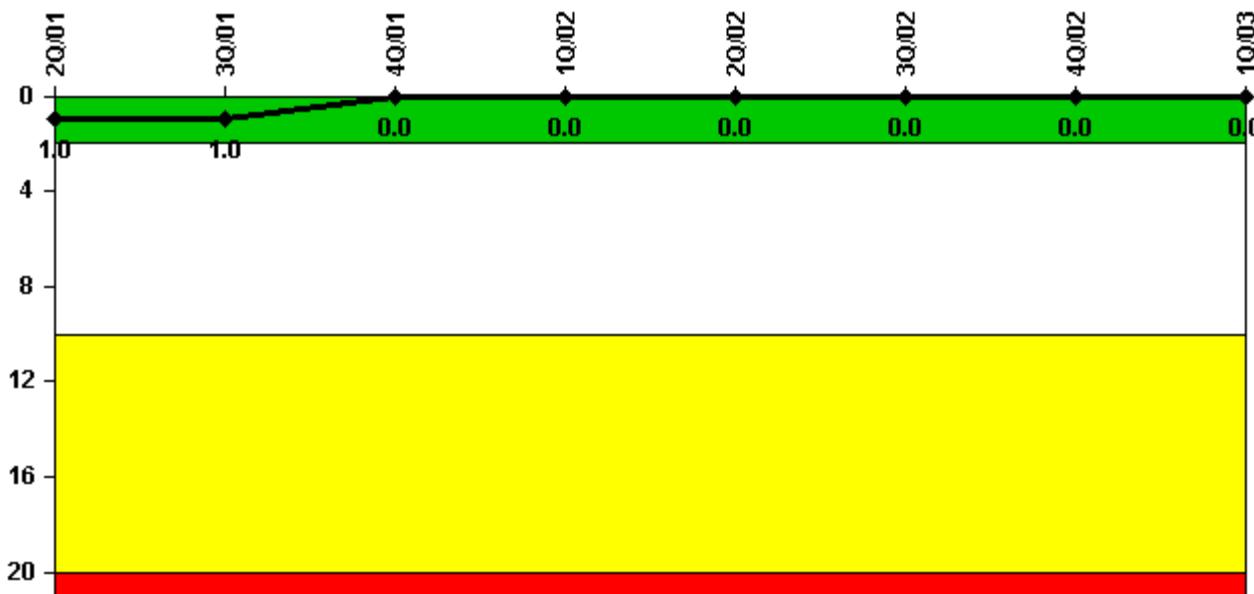


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2
Indicator value	1.8	0.9	0	0	0	0	0	0

Licensee Comments: none

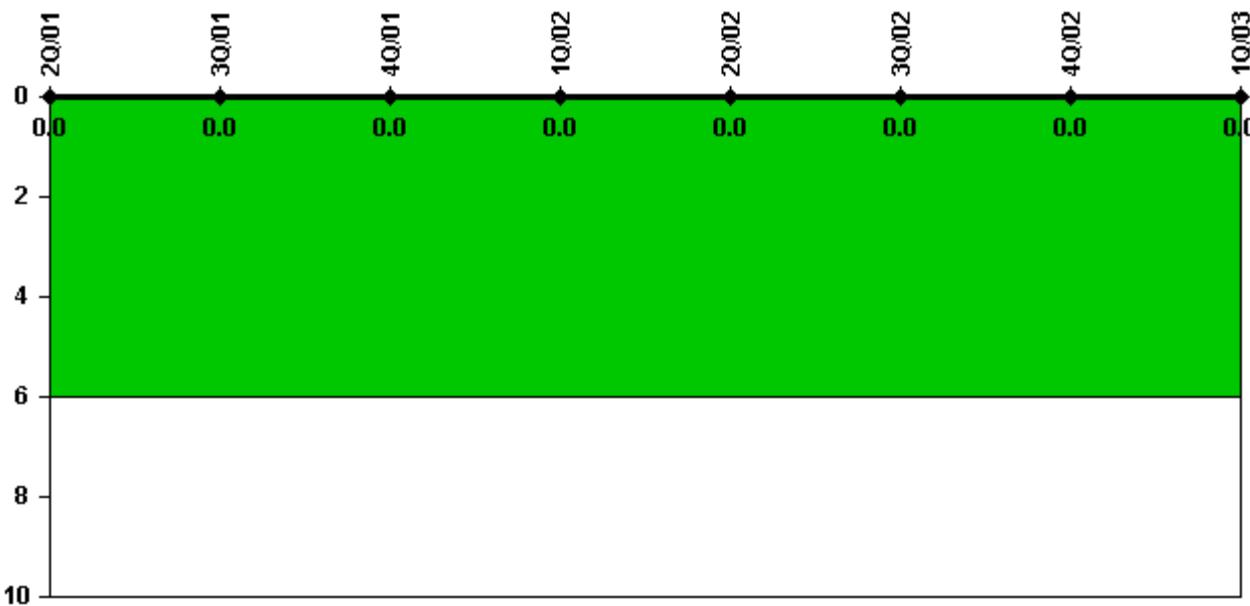
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

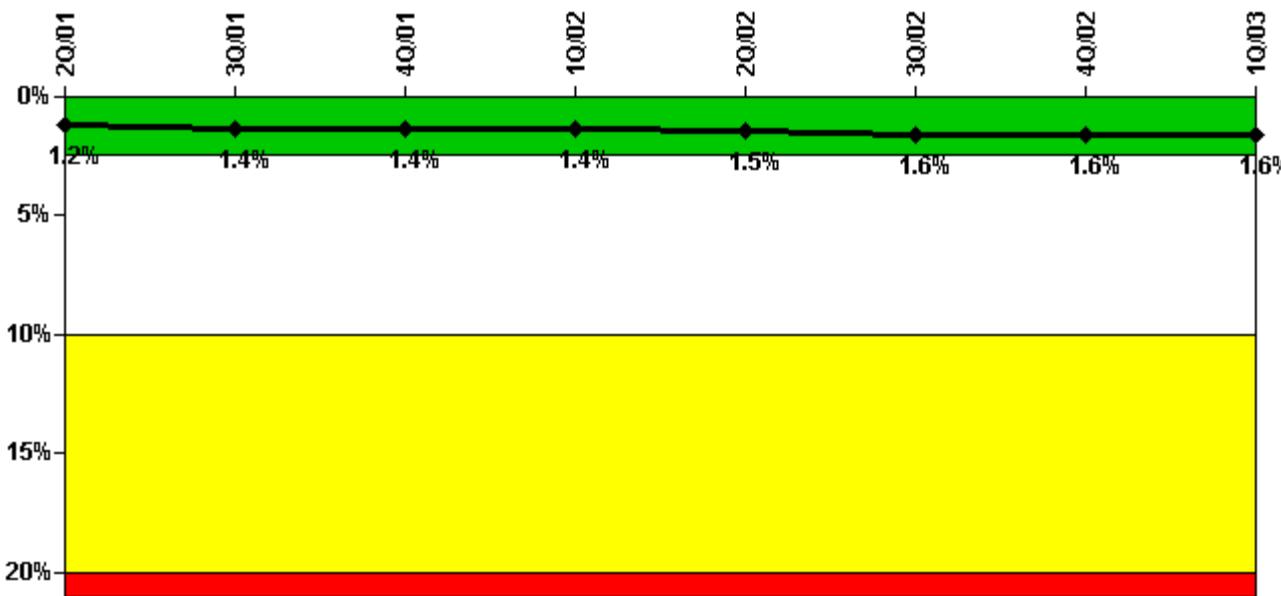
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

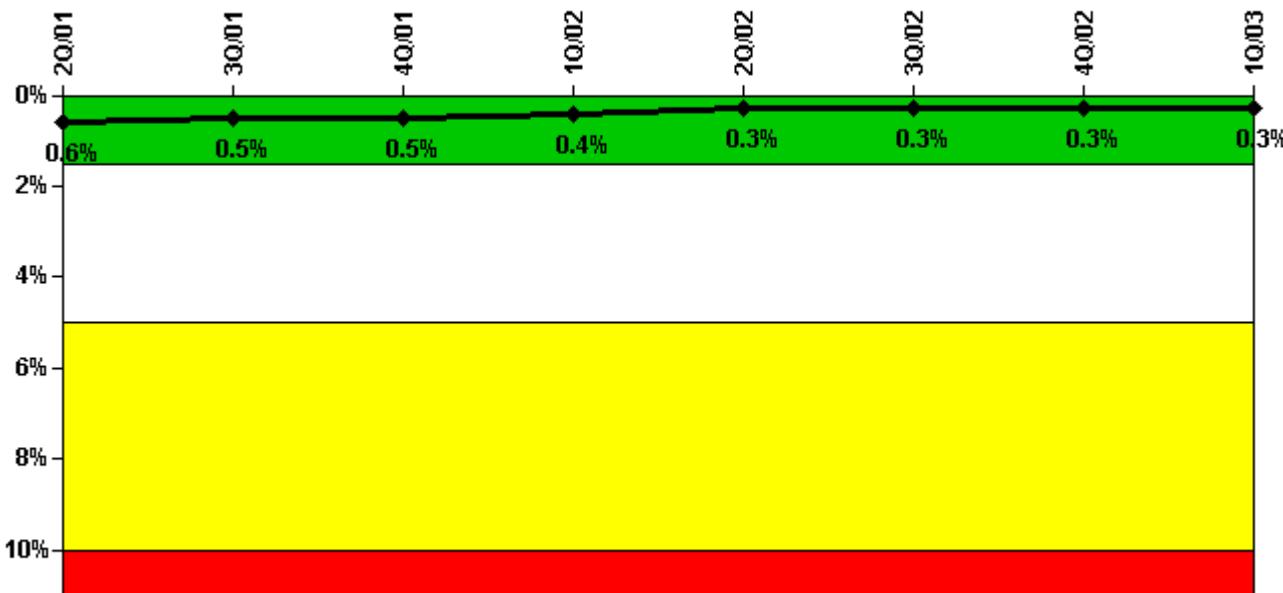
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	4.50	90.72	123.50	91.92	26.38	9.00	6.75	8.32
Unplanned unavailable hours	0	0	0	0	0	8.02	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.62	2.53	7.08	4.53	26.40	12.48	9.20	3.37
Unplanned unavailable hours	0	0	0	0	0	3.05	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	4.13	2.13	1.95	161.88	61.87	29.35	4.43	4.02
Unplanned unavailable hours	0	0	24.17	0	5.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	8.33	57.95	9.87	19.82	23.28	36.57	12.25	4.60
Unplanned unavailable hours	0	0	0	15.05	0	33.72	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00

Indicator value	1.2%	1.4%	1.4%	1.4%	1.5%	1.6%	1.6%	1.6%
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Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

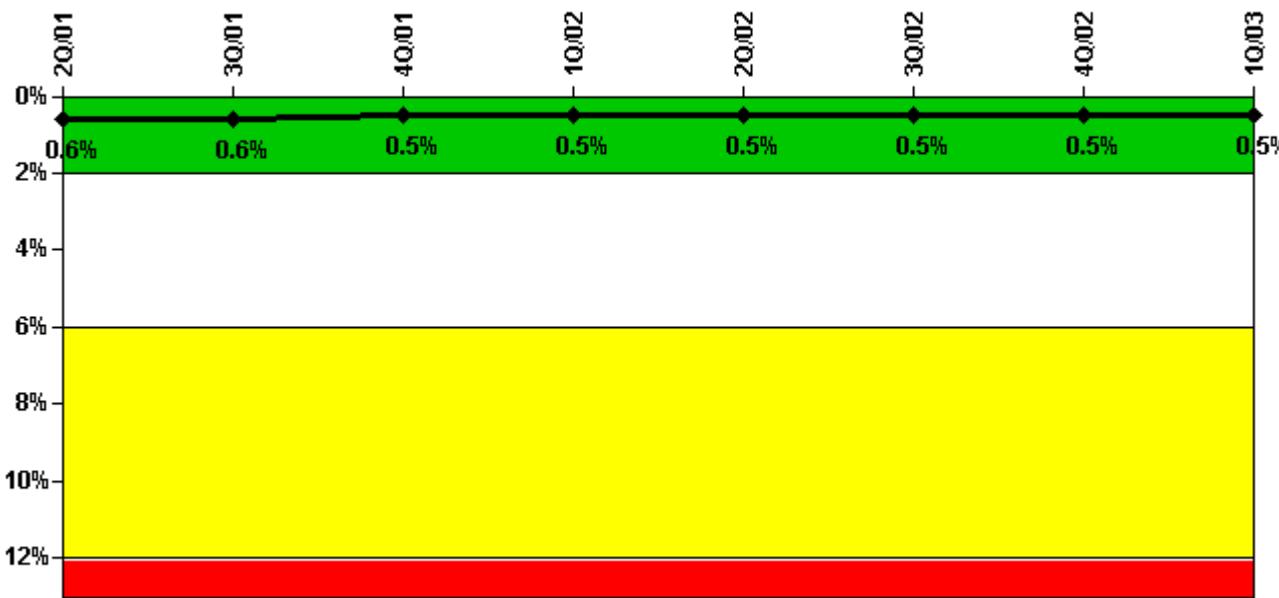
Notes

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		3.80	2.30	1.90	4.10	2.80	9.10	2.10	1.80
Unplanned unavailable hours		0	0	0	0	0	45.10	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40
Train 2									
Planned unavailable hours		2.60	5.20	1.80	1.30	2.70	10.20	1.10	1.20
Unplanned unavailable hours		0	0	0	0	0	2.30	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	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40
Train 3									

Planned unavailable hours	13.10	3.30	4.60	5.40	15.90	3.50	2.10	2.60
Unplanned unavailable hours	0	0	0	0	0	2.20	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	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20
Train 4								
Planned unavailable hours	3.60	5.10	2.30	4.20	4.70	11.50	1.60	1.20
Unplanned unavailable hours	0	0	0	0	0	2.30	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	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20
Indicator value	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

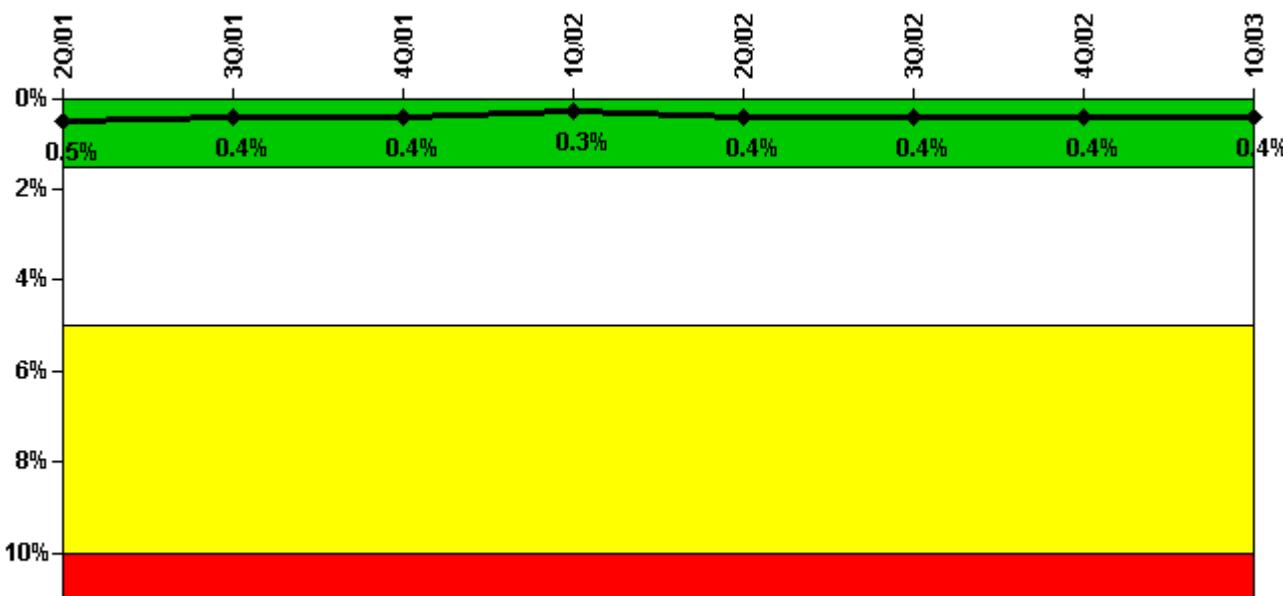
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	56.02	1.93	5.80	2.96	9.45	11.31	2.80	39.35
Unplanned unavailable hours	0	0	0	0	0	2.17	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20
Train 2								
Planned unavailable hours	12.79	3.74	10.63	27.98	3.23	15.86	17.45	2.12
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	2183.00	2208.00	1526.20	2160.00	2183.00	2208.00	2209.00	1815.44
Train 3								
Planned unavailable hours	4.44	7.59	2.15	3.27	6.97	1.69	12.40	28.91
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	2183.00	2208.00	1483.10	2160.00	2183.00	2208.00	2209.00	1810.20
Indicator value	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



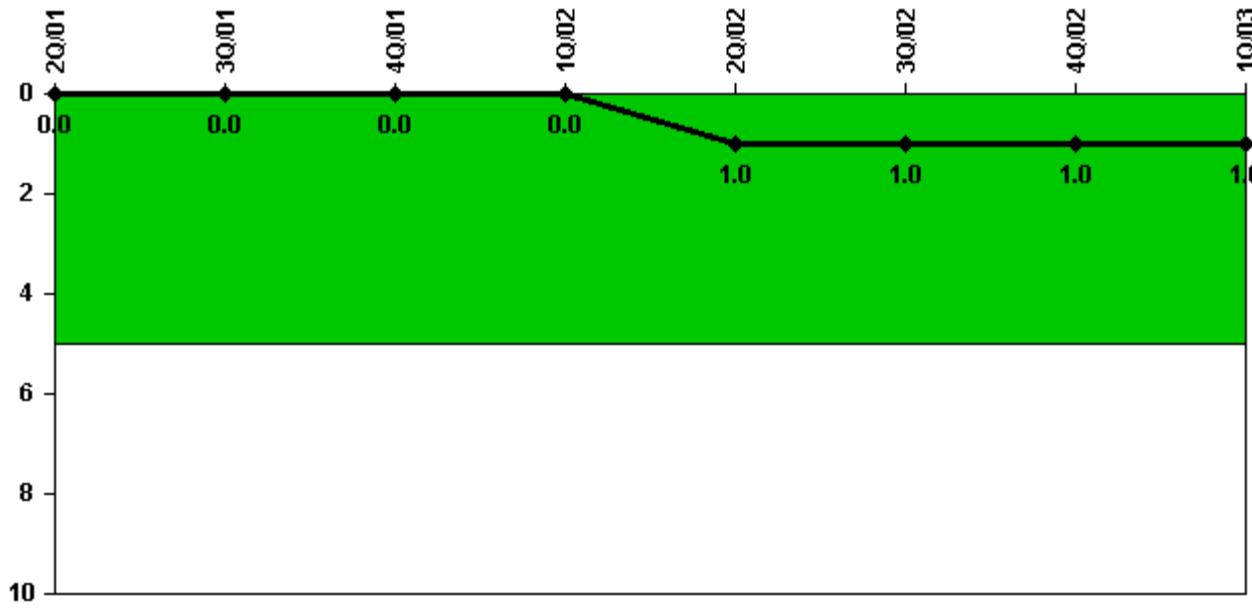
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	11.70	7.30	8.90	3.80	12.90	2.60	2.10	3.60
Unplanned unavailable hours	0	0	0	0	0	16.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00
Train 2								
Planned unavailable hours	2.50	11.90	8.00	3.40	6.90	14.80	1.40	4.10
Unplanned unavailable hours	0	0	0	0	0	2.30	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	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00
Indicator value	0.5%	0.4%	0.4%	0.3%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

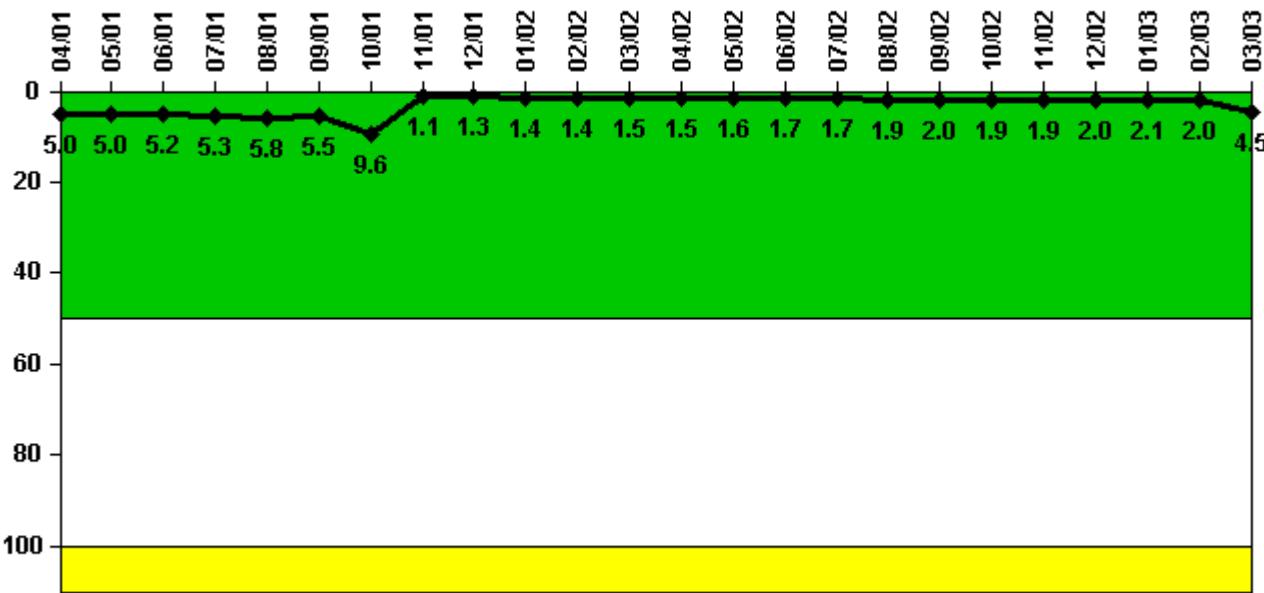
Notes

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

Indicator value	0	0	0	0	1	1	1	1
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Licensee Comments: none

Reactor Coolant System Activity



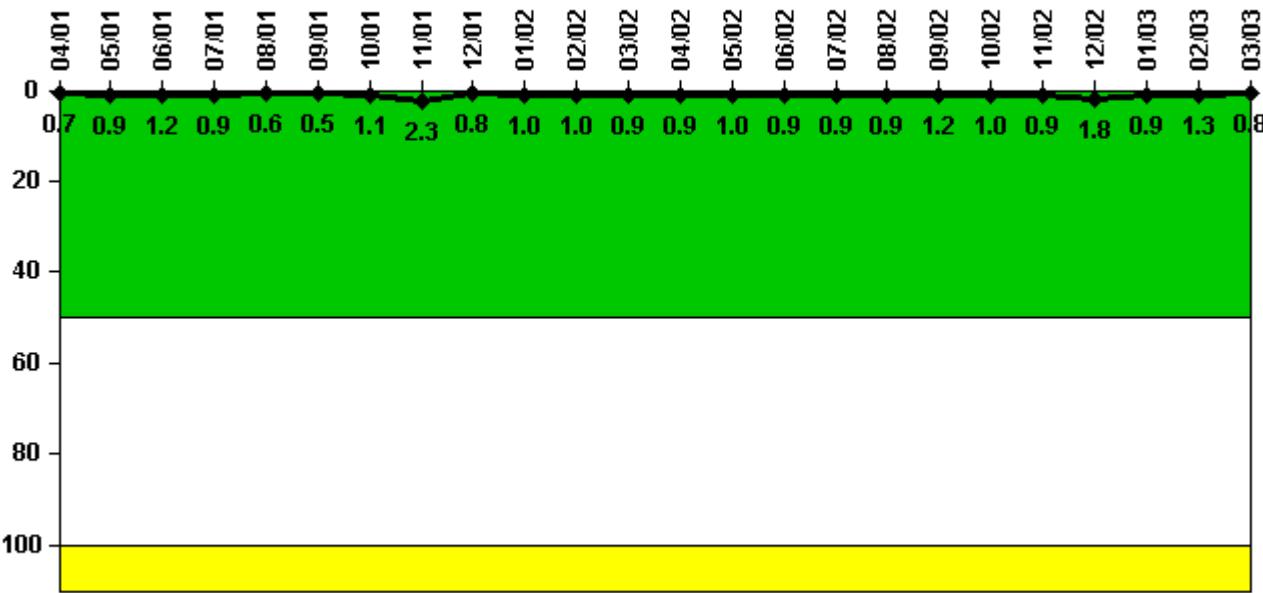
Thresholds: White > 50.0 Yellow > 100.0

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	0.012400	0.012500	0.012900	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.0	5.0	5.2	5.3	5.8	5.5	9.6	1.1	1.3	1.4	1.4	1.5
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	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010	0.005200	0.005020	0.011300
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.5	1.6	1.7	1.7	1.9	2.0	1.9	1.9	2.0	2.1	2.0	4.5

Licensee Comments: none

Reactor Coolant System Leakage

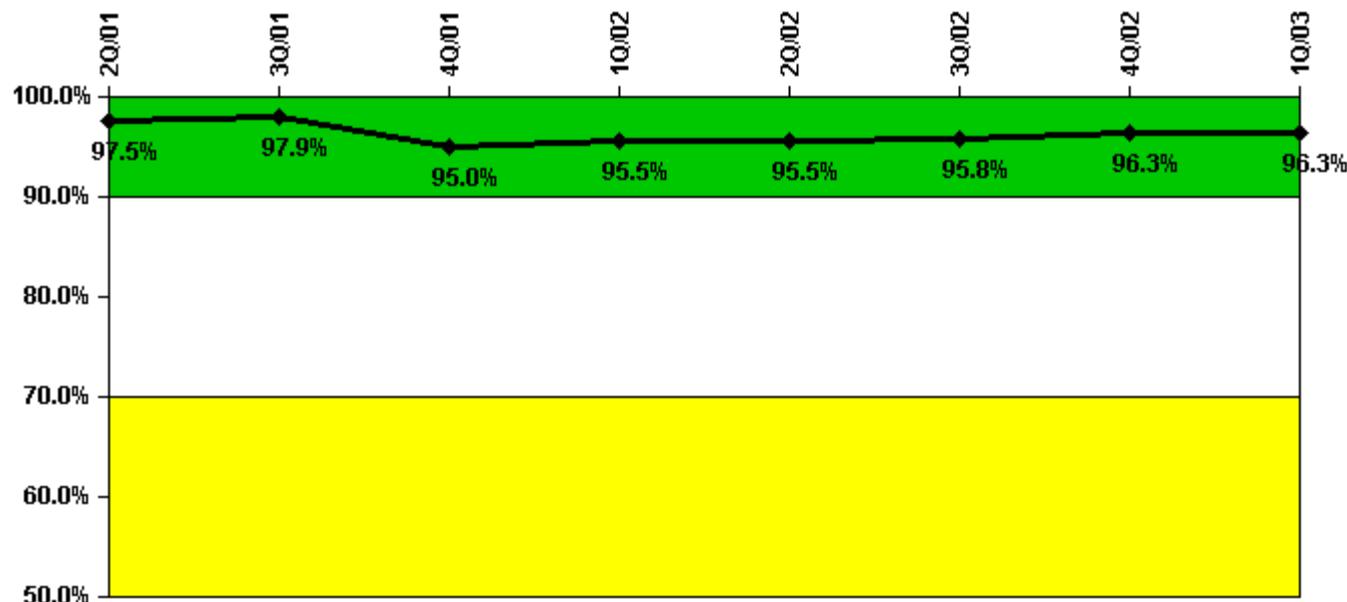


Thresholds: White > 50.0 Yellow > 100.0

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	0.070	0.090	0.120	0.090	0.060	0.050	0.110	0.230	0.080	0.100	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.9	1.2	0.9	0.6	0.5	1.1	2.3	0.8	1.0	1.0	0.9
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	0.090	0.100	0.090	0.090	0.090	0.120	0.100	0.090	0.180	0.090	0.130	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.0	0.9	0.9	0.9	1.2	1.0	0.9	1.8	0.9	1.3	0.8

Licensee Comments: none

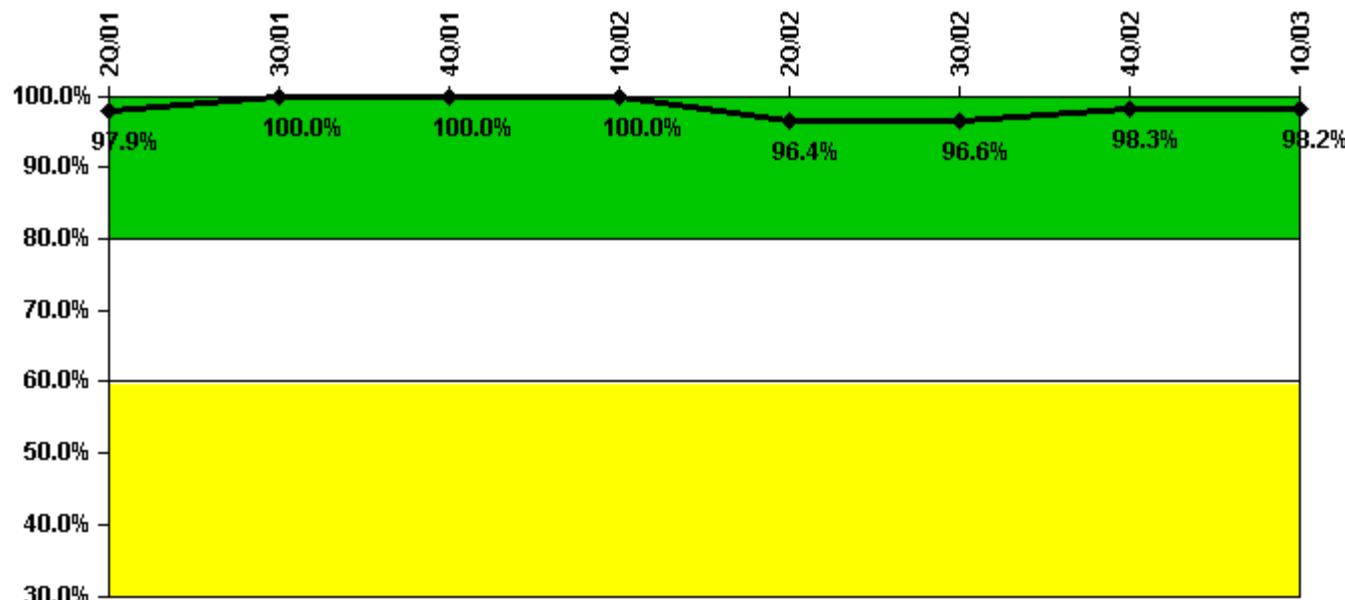
Drill/Exercise Performance

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	4.0	31.0	30.0	14.0	10.0	9.0	58.0	0
Total opportunities	4.0	32.0	34.0	14.0	10.0	10.0	58.0	0
Indicator value	97.5%	97.9%	95.0%	95.5%	95.5%	95.8%	96.3%	96.3%

Licensee Comments: none

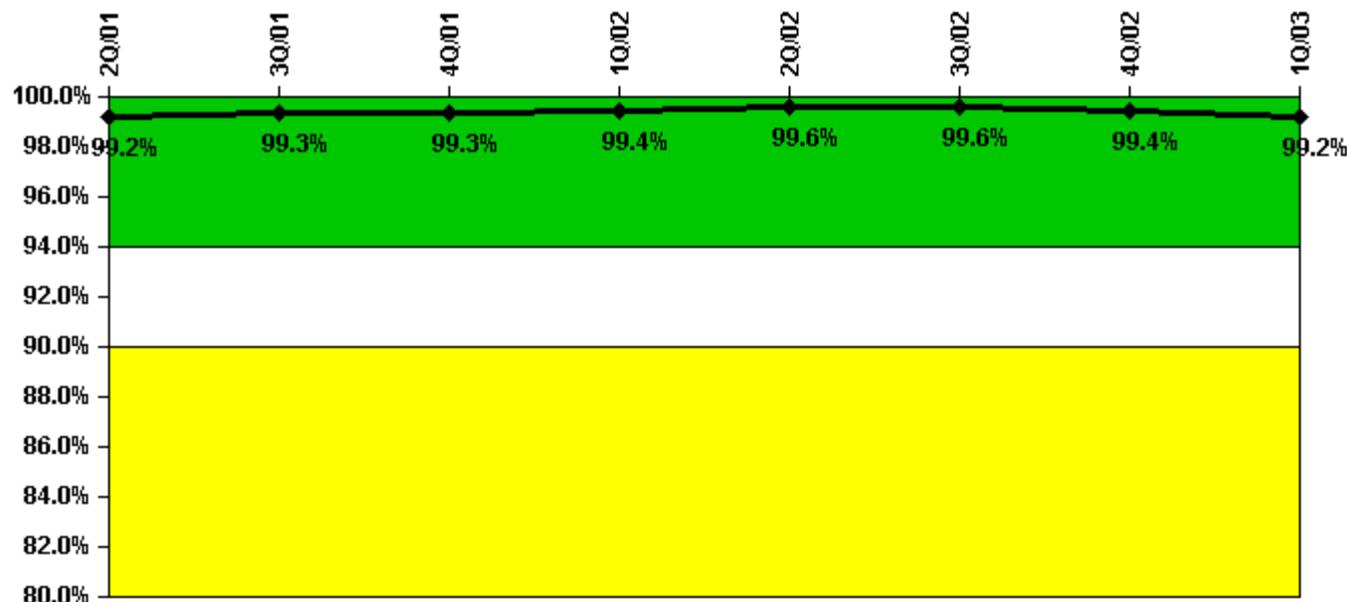
ERO Drill Participation

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	47.0	56.0	56.0	57.0	54.0	56.0	57.0	56.0
Total Key personnel	48.0	56.0	56.0	57.0	56.0	58.0	58.0	57.0
Indicator value	97.9%	100.0%	100.0%	100.0%	96.4%	96.6%	98.3%	98.2%

Licensee Comments: none

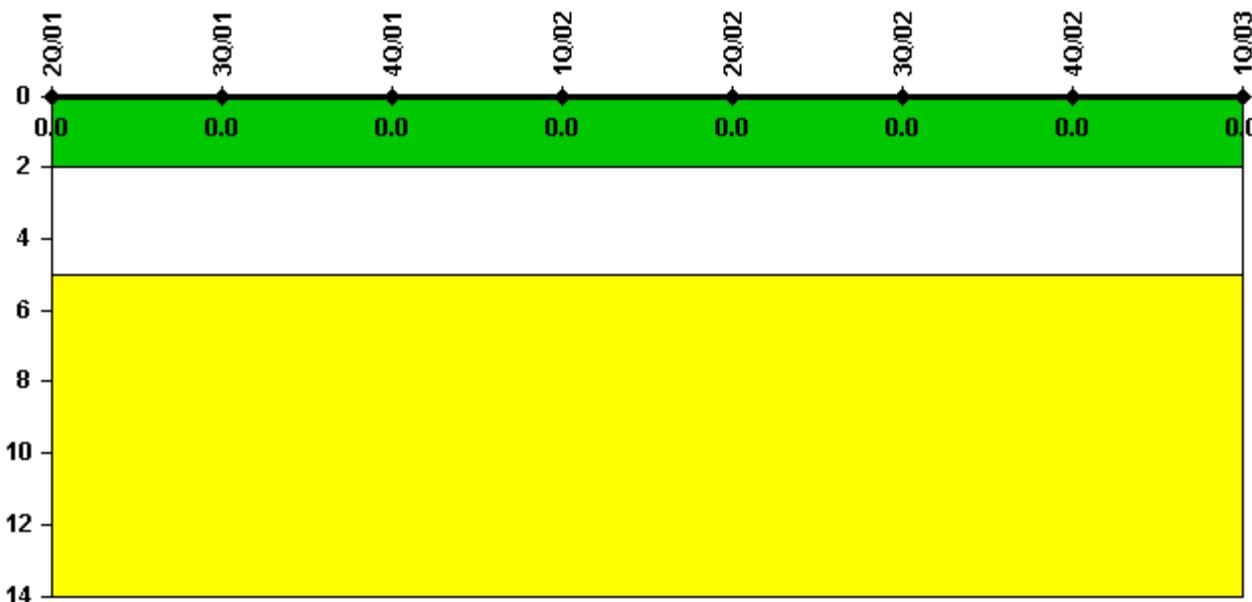
Alert & Notification System

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	961	859	970	752	968	753	962	746
Total sirens-tests	972	864	972	756	972	756	972	756
Indicator value	99.2%	99.3%	99.3%	99.4%	99.6%	99.6%	99.4%	99.2%

Licensee Comments: none

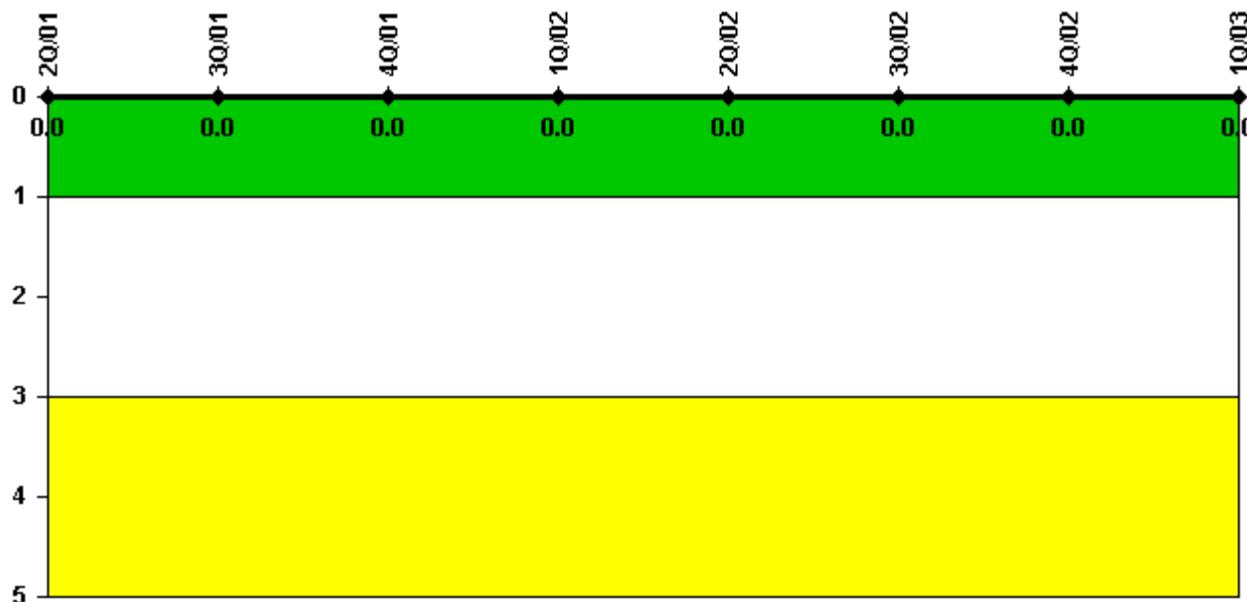
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

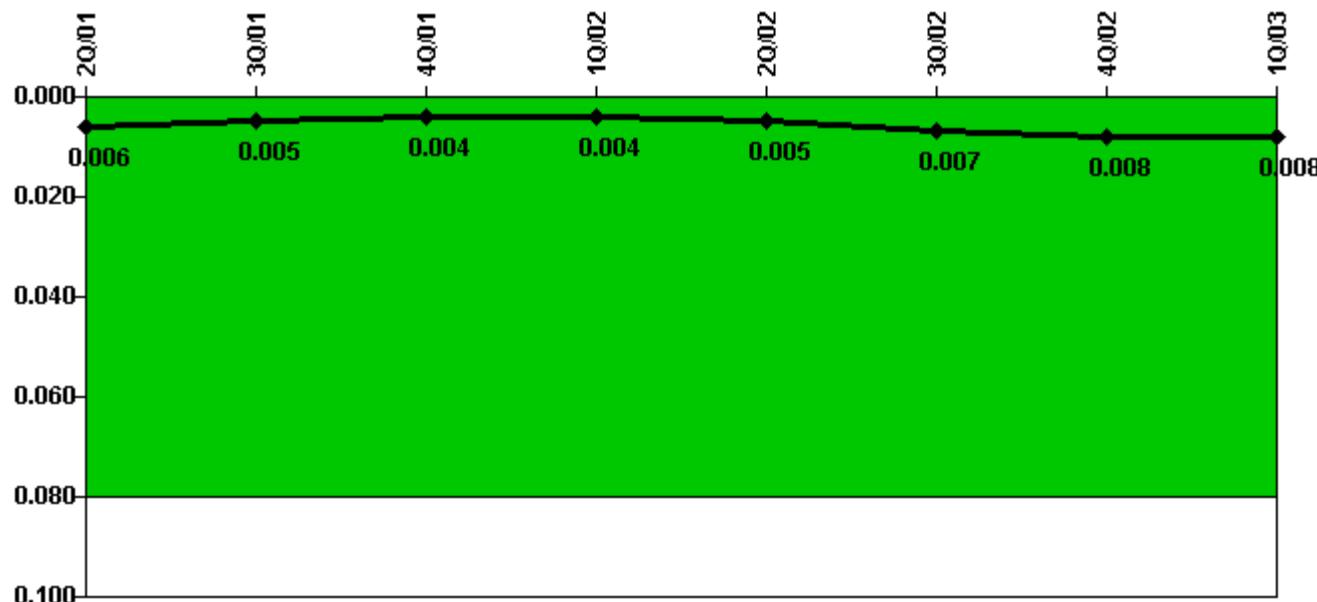
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

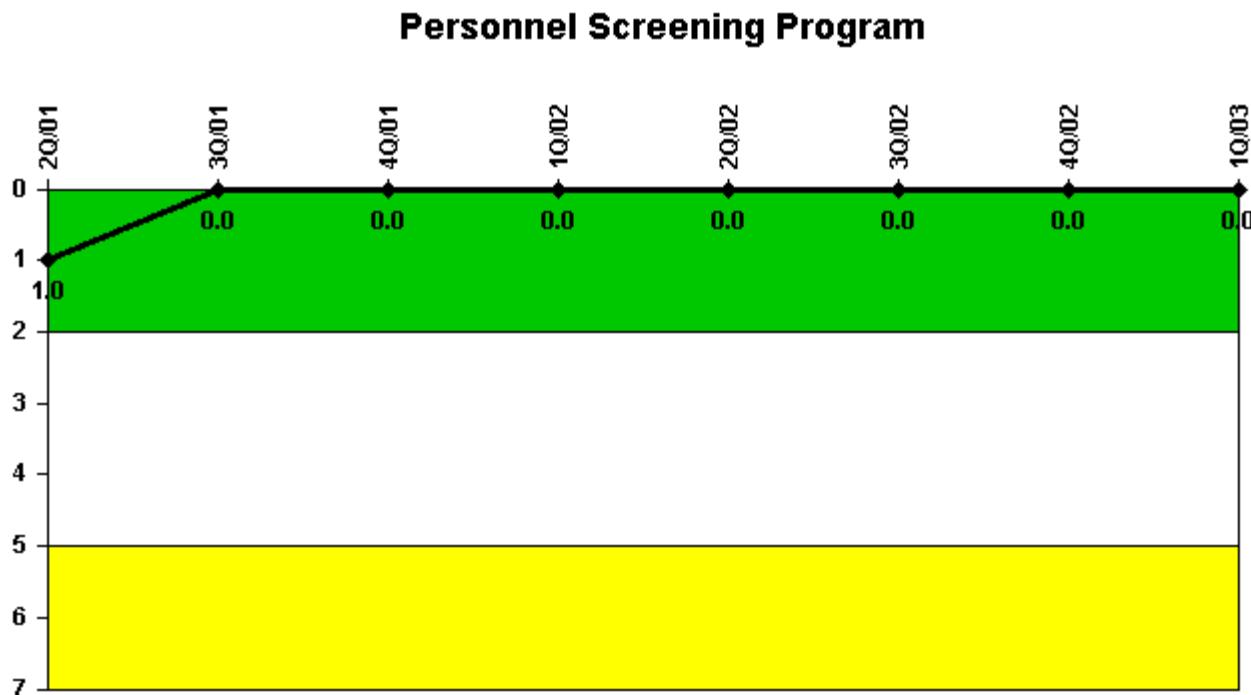


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	42.11	41.09	28.17	50.42	17.83	31.09	123.42	88.04
CCTV compensatory hours	0.2	29.9	0	54.4	58.2	106.1	0.6	0.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.006	0.005	0.004	0.004	0.005	0.007	0.008	0.008

Licensee Comments: none

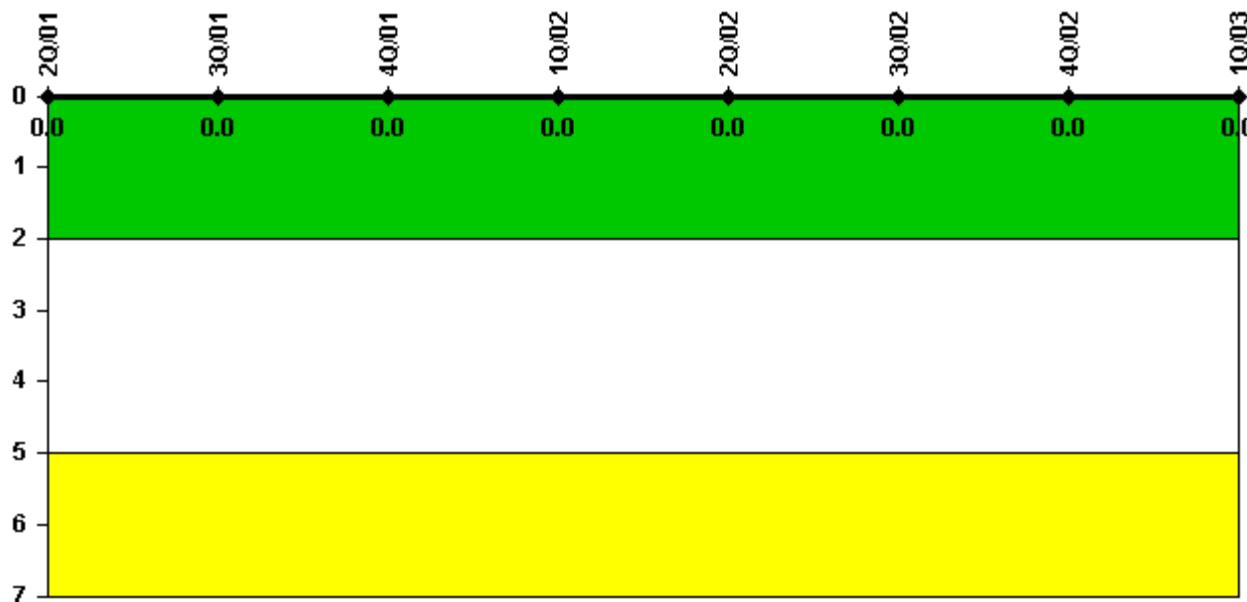


Thresholds: White > 2.0 Yellow > 5.0

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	1	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](#)

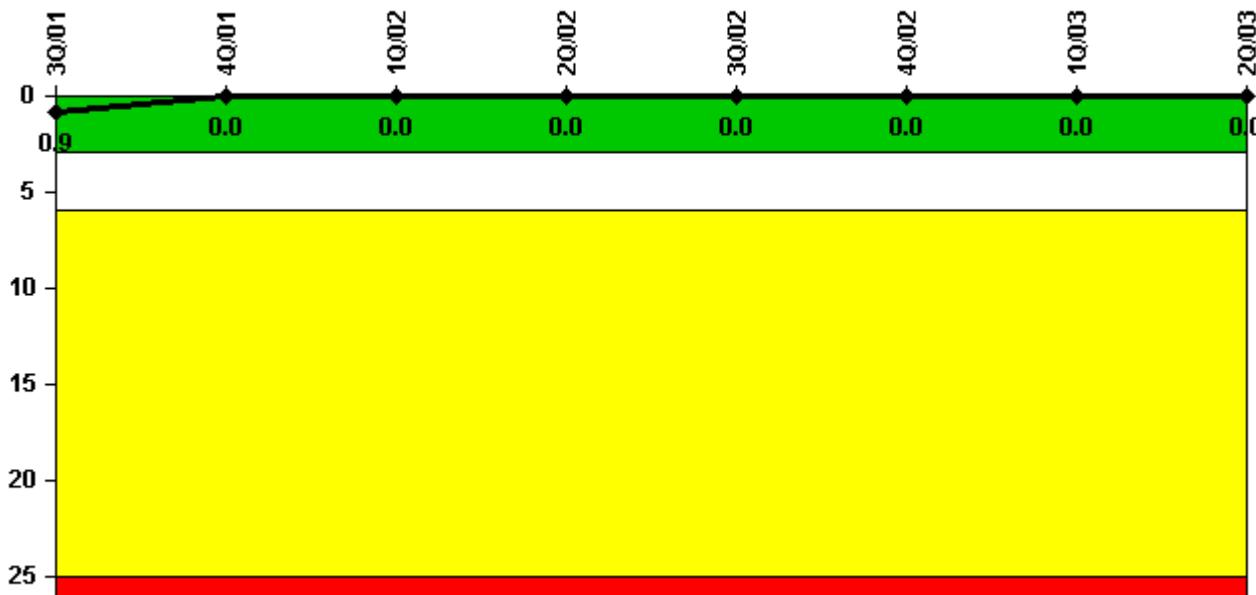
Last Modified: April 22, 2003

Sequoyah 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

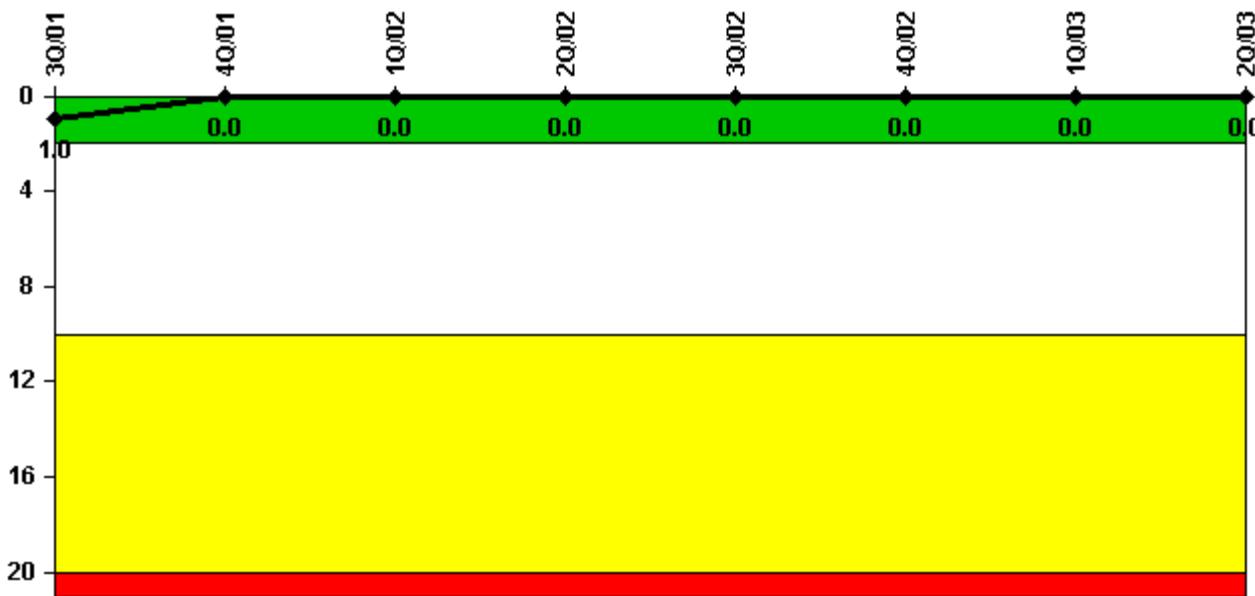


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0	0
Critical hours	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2	381.9
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

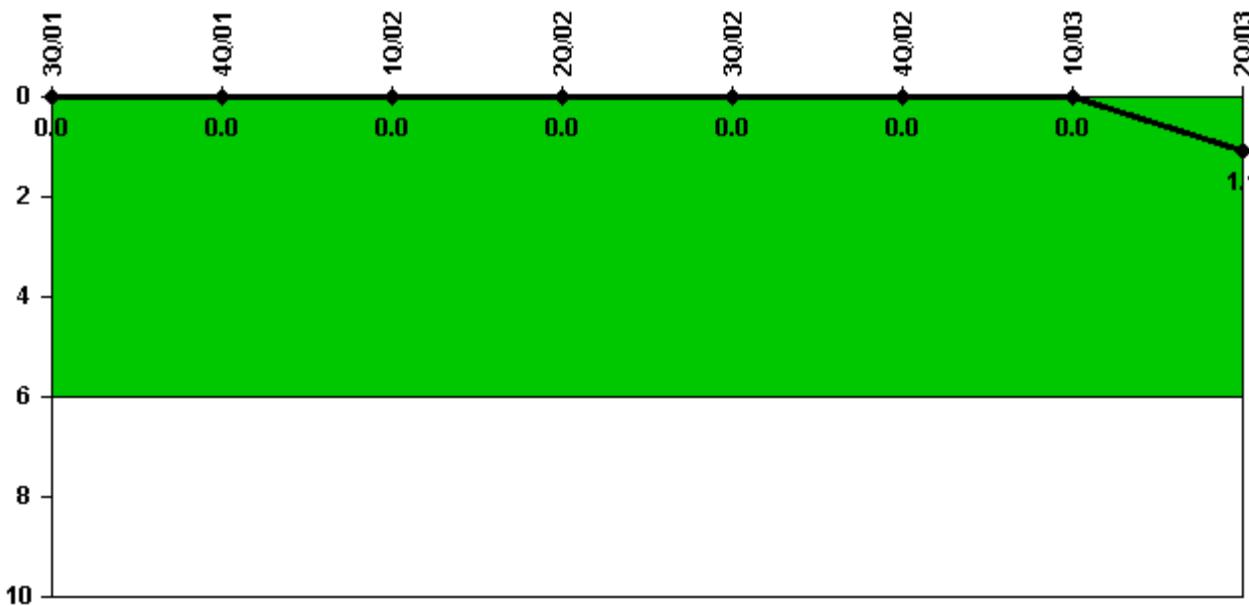
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

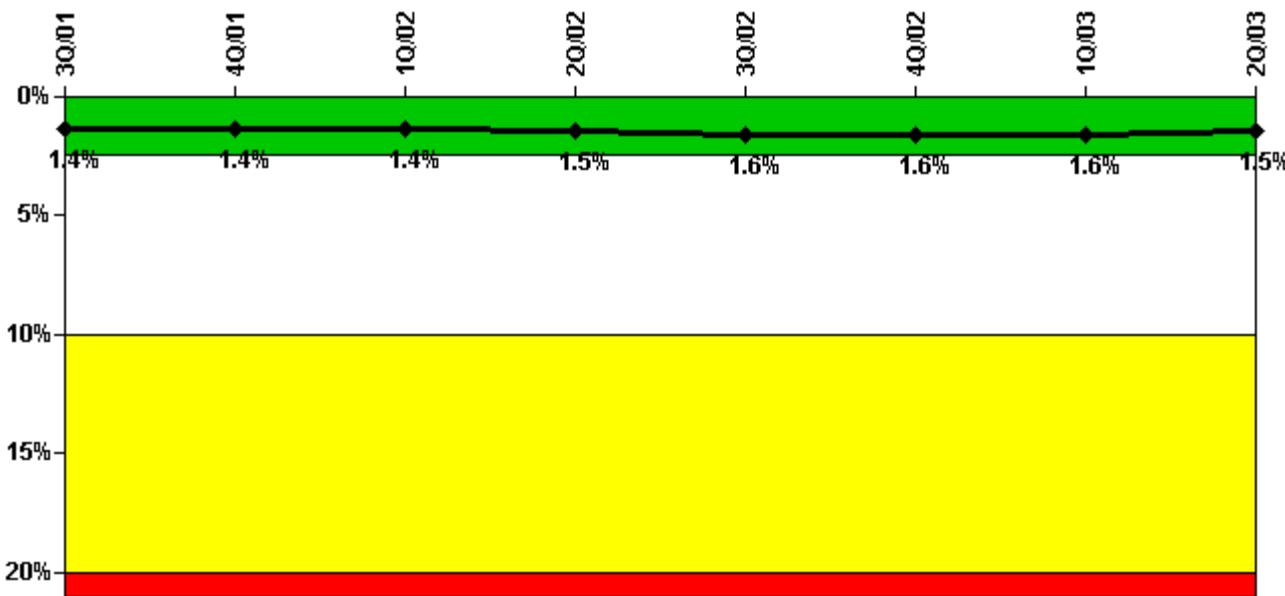
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/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	1.0
Critical hours	2208.0	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2	381.9
Indicator value	0	0	0	0	0	0	0	1.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

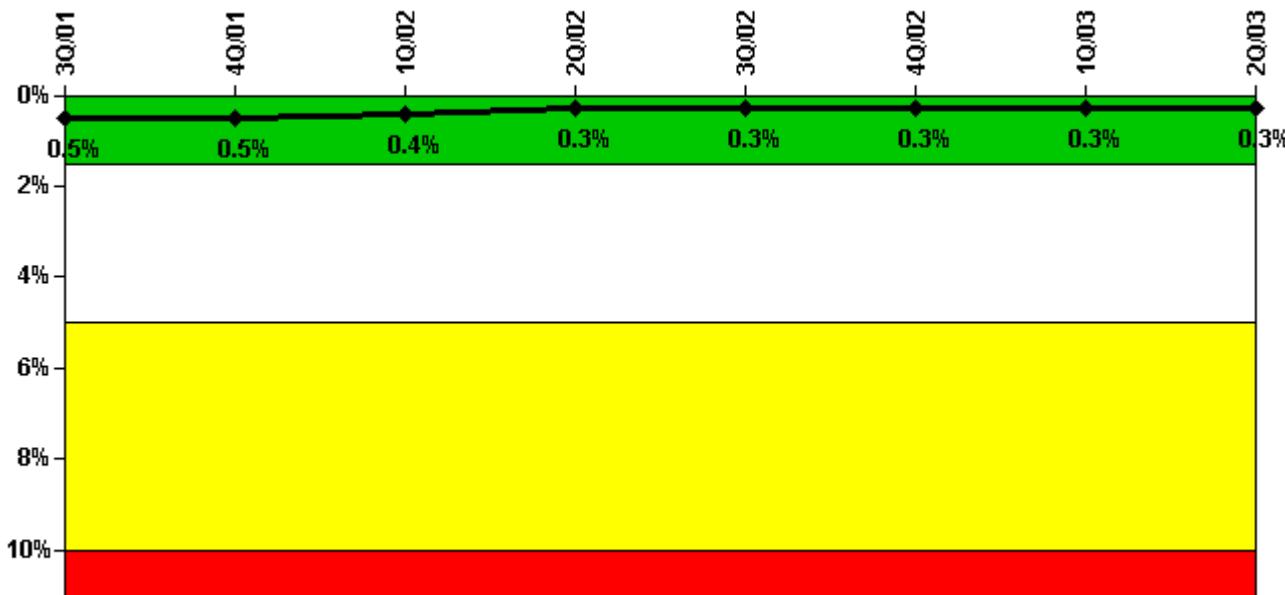
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	90.72	123.50	91.92	26.38	9.00	6.75	8.32	7.70
Unplanned unavailable hours	0	0	0	0	8.02	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	2.53	7.08	4.53	26.40	12.48	9.20	3.37	3.87
Unplanned unavailable hours	0	0	0	0	3.05	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	2.13	1.95	161.88	61.87	29.35	4.43	4.02	6.27
Unplanned unavailable hours	0	24.17	0	5.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	57.95	9.87	19.82	23.28	36.57	12.25	4.60	4.63
Unplanned unavailable hours	0	0	15.05	0	33.72	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00

Indicator value	1.4%	1.4%	1.4%	1.5%	1.6%	1.6%	1.6%	1.5%
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Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

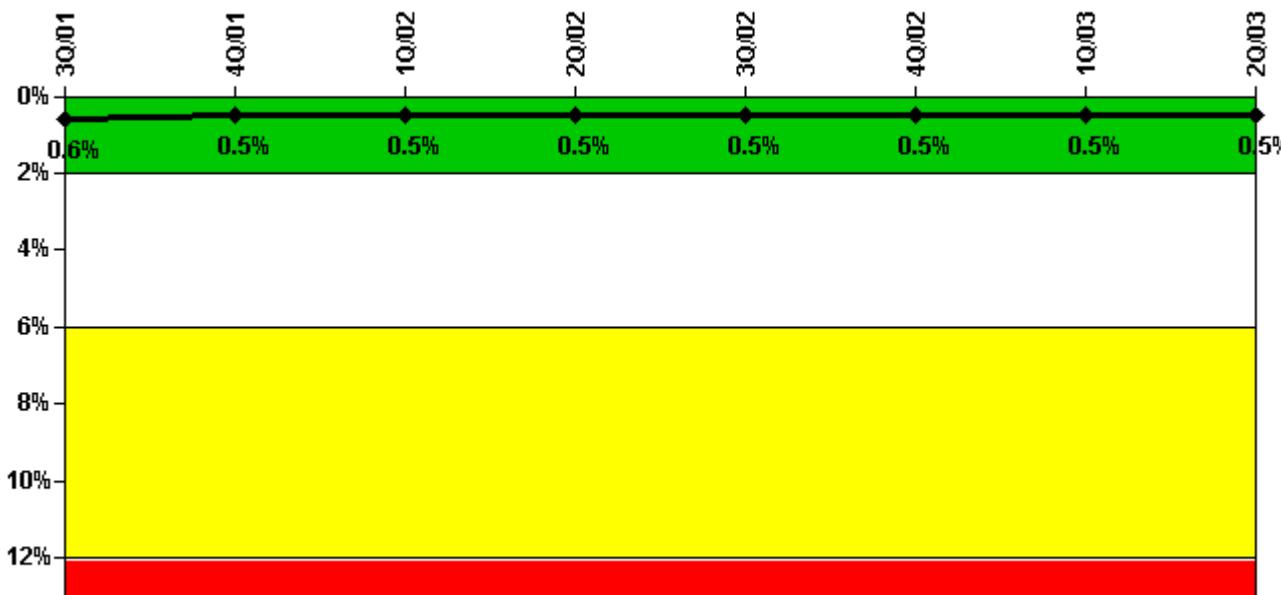
Notes

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	2.30	1.90	4.10	2.80	9.10	2.10	1.80	0
Unplanned unavailable hours	0	0	0	0	45.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40	451.30
Train 2								
Planned unavailable hours	5.20	1.80	1.30	2.70	10.20	1.10	1.20	0
Unplanned unavailable hours	0	0	0	0	2.30	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	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40	451.30
Train 3								

Planned unavailable hours	3.30	4.60	5.40	15.90	3.50	2.10	2.60	0
Unplanned unavailable hours	0	0	0	0	2.20	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	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	432.00
Train 4								
Planned unavailable hours	5.10	2.30	4.20	4.70	11.50	1.60	1.20	0
Unplanned unavailable hours	0	0	0	0	2.30	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	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	432.00
Indicator value	0.5%	0.5%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

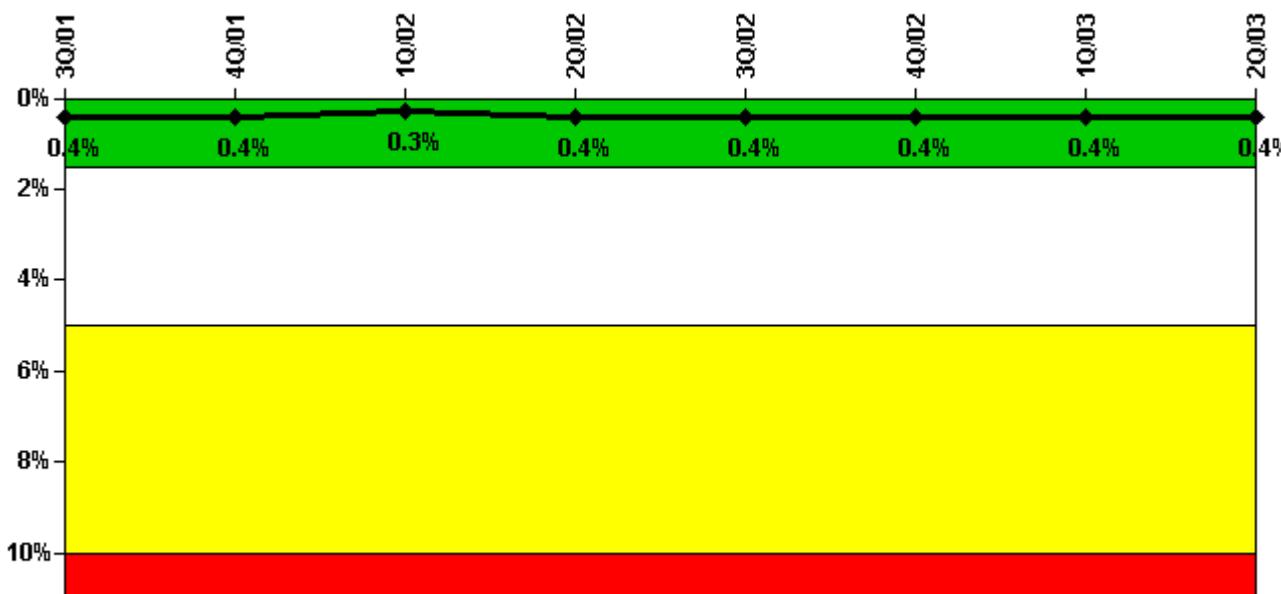
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	1.93	5.80	2.96	9.45	11.31	2.80	39.35	0
Unplanned unavailable hours	0	0	0	0	2.17	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	451.30
Train 2								
Planned unavailable hours	3.74	10.63	27.98	3.23	15.86	17.45	2.12	0.30
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	1526.20	2160.00	2183.00	2208.00	2209.00	1815.44	432.00
Train 3								
Planned unavailable hours	7.59	2.15	3.27	6.97	1.69	12.40	28.91	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1483.10	2160.00	2183.00	2208.00	2209.00	1810.20	394.50
Indicator value	0.6%	0.5%						

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



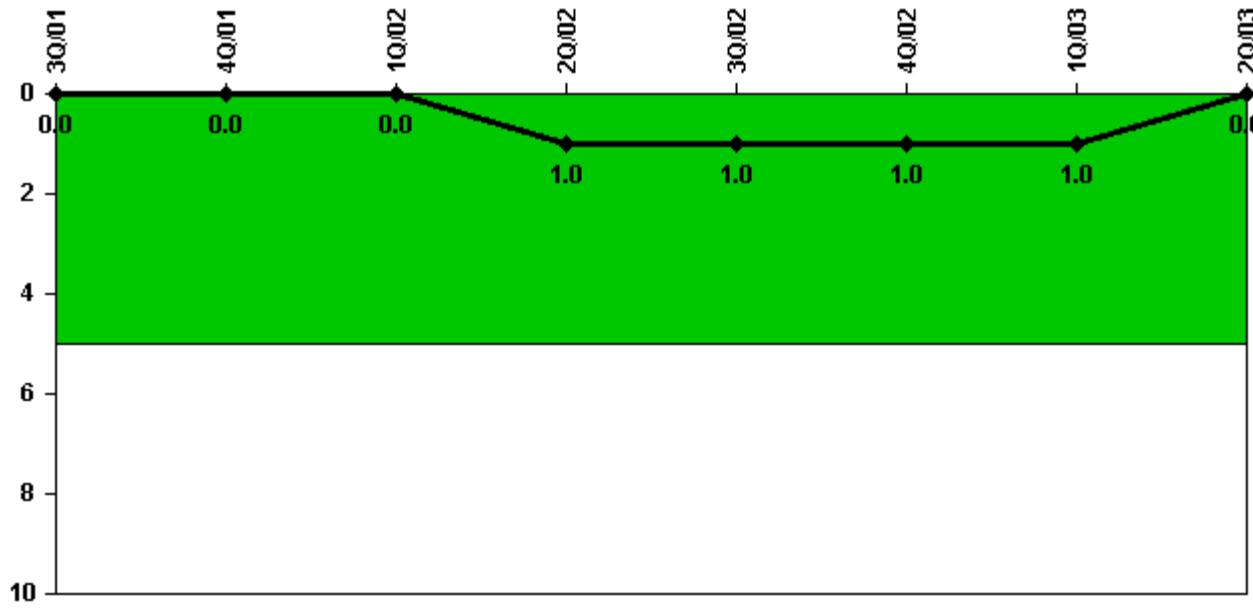
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	7.30	8.90	3.80	12.90	2.60	2.10	3.60	2.20
Unplanned unavailable hours	0	0	0	0	16.60	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00	782.50
Train 2								
Planned unavailable hours	11.90	8.00	3.40	6.90	14.80	1.40	4.10	2.20
Unplanned unavailable hours	0	0	0	0	2.30	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	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00	782.50
Indicator value	0.4%	0.4%	0.3%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

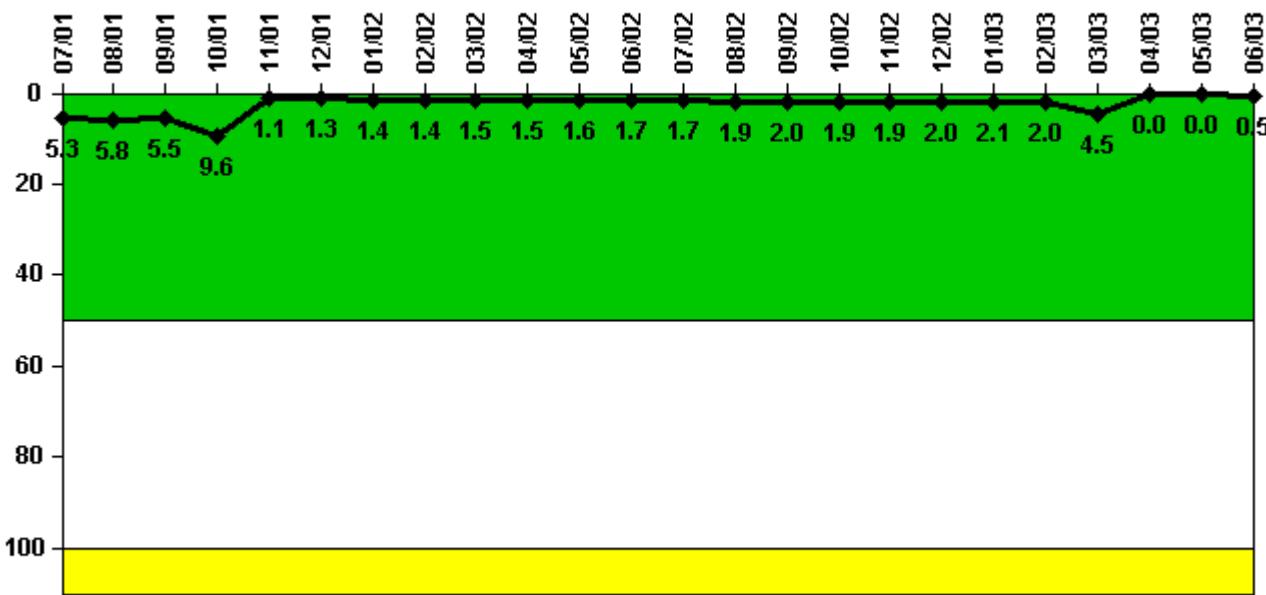
Notes

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

Indicator value	0	0	0	1	1	1	1	0
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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

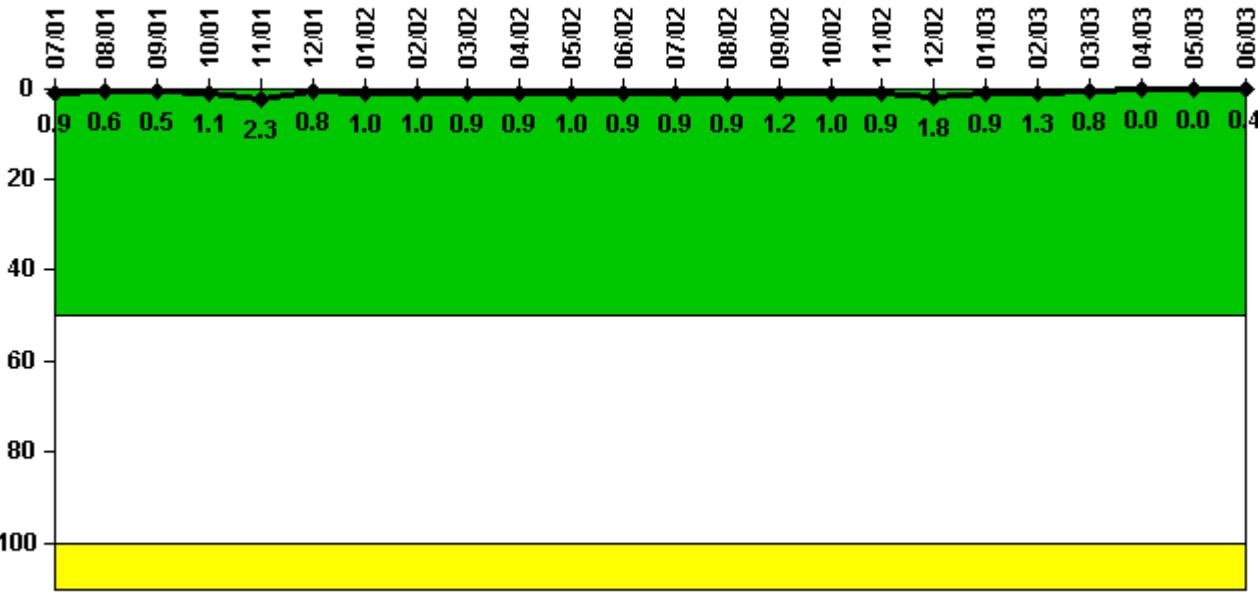
Notes

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	0.013300	0.014400	0.013800	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.3	5.8	5.5	9.6	1.1	1.3	1.4	1.4	1.5	1.5	1.6	1.7
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	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010	0.005200	0.005020	0.011300	0	0	0.001350
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.7	1.9	2.0	1.9	1.9	2.0	2.1	2.0	4.5	0	0	0.5

Licensee Comments:

6/03: Unit 1 Cycle 12 Refueling and Steam Generator Replacement Outage continued throughout April and May.

Reactor Coolant System Leakage

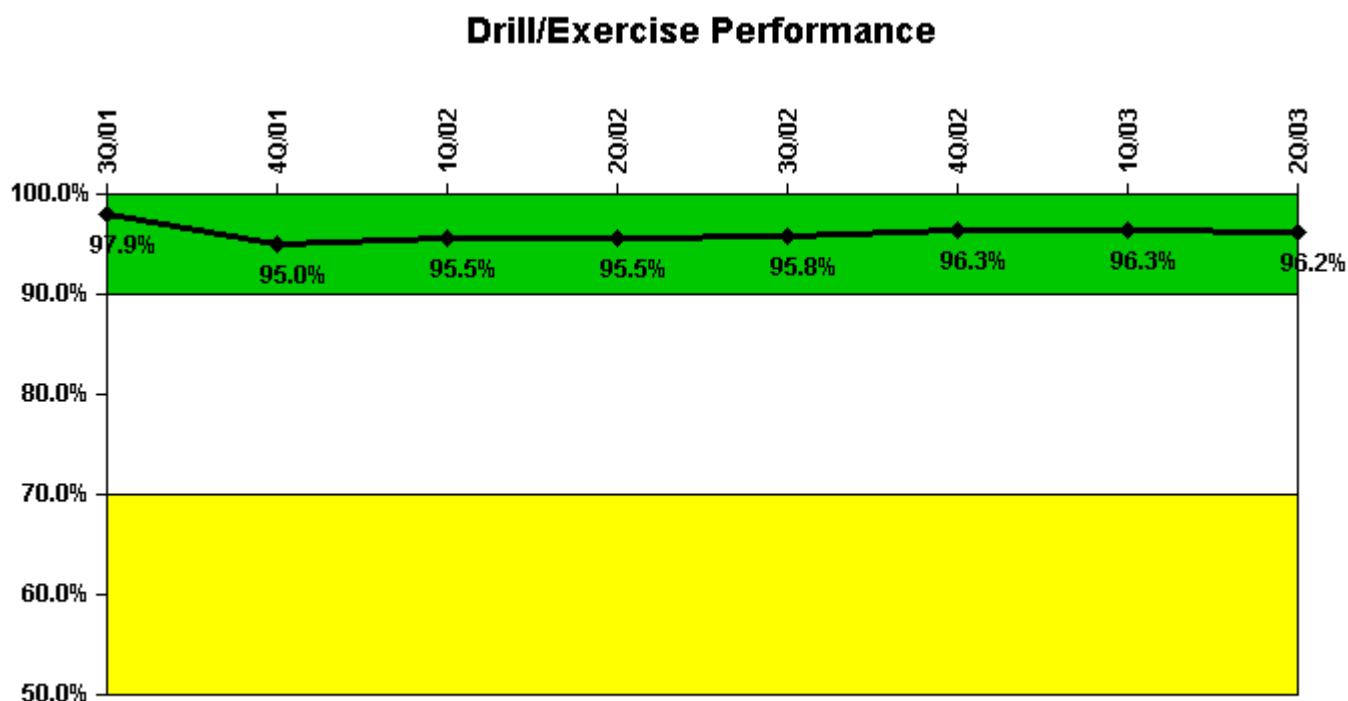


Thresholds: White > 50.0 Yellow > 100.0

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	0.090	0.060	0.050	0.110	0.230	0.080	0.100	0.100	0.090	0.090	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.6	0.5	1.1	2.3	0.8	1.0	1.0	0.9	0.9	1.0	0.9
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	0.090	0.090	0.120	0.100	0.090	0.180	0.090	0.130	0.080	0	0	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.2	1.0	0.9	1.8	0.9	1.3	0.8	0	0	0.4

Licensee Comments: none

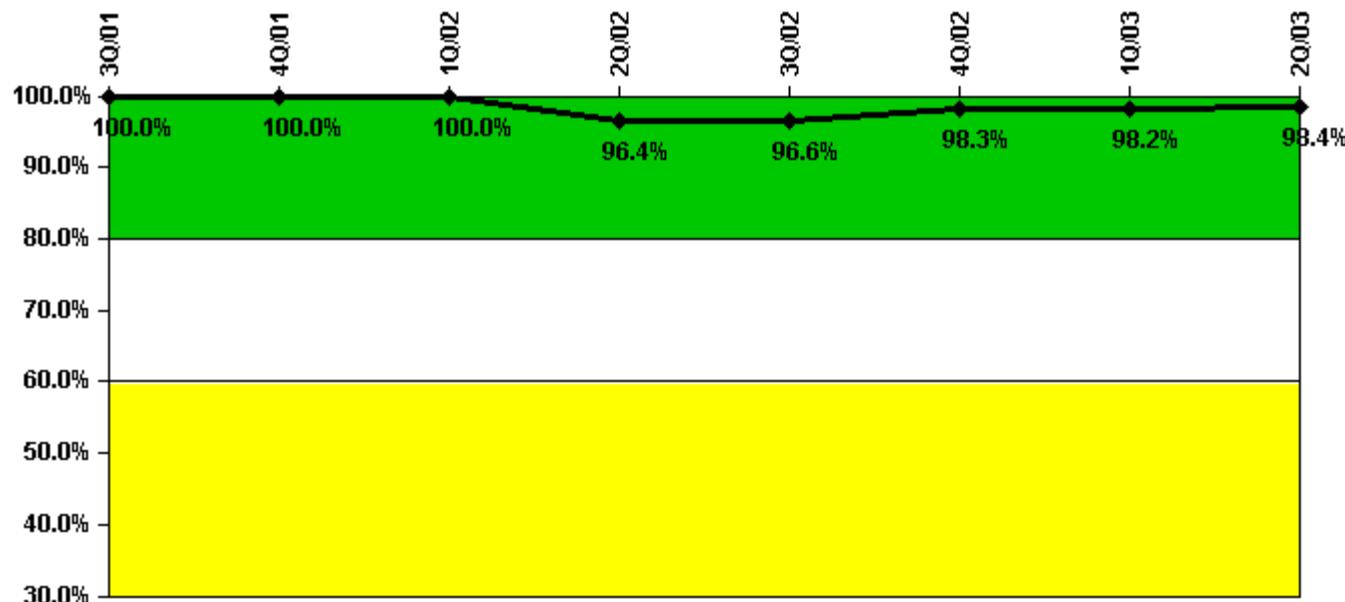


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	31.0	30.0	14.0	10.0	9.0	58.0	0	0
Total opportunities	32.0	34.0	14.0	10.0	10.0	58.0	0	0
Indicator value	97.9%	95.0%	95.5%	95.5%	95.8%	96.3%	96.3%	96.2%

Licensee Comments: none

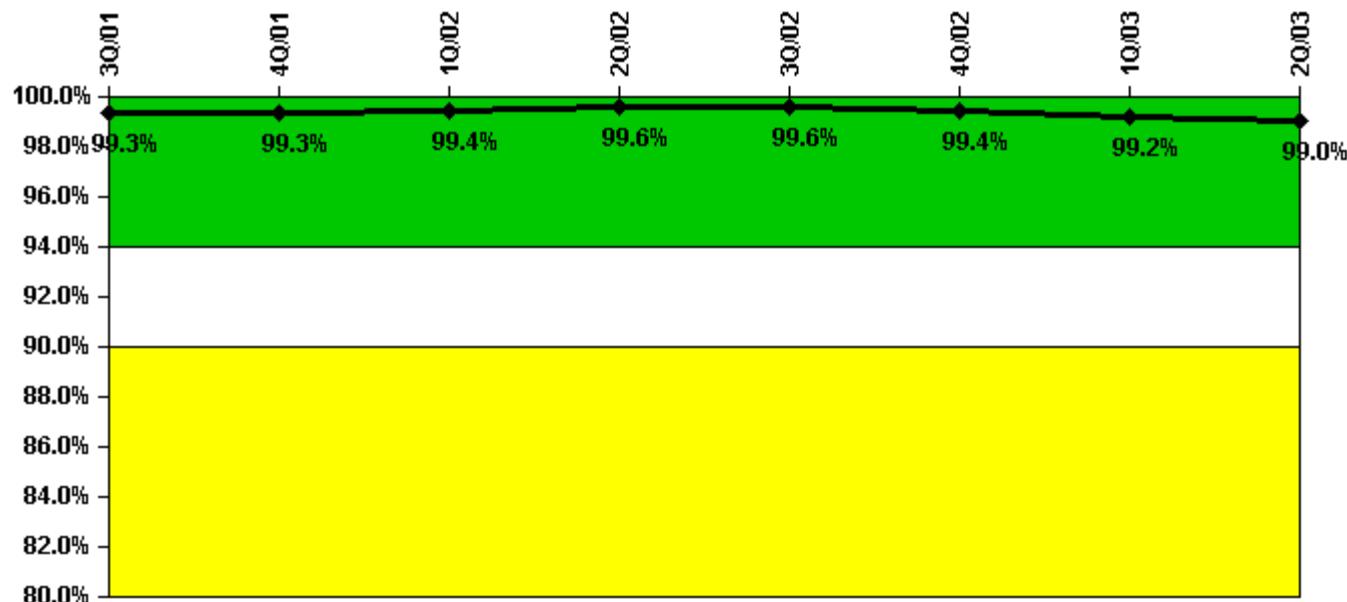
ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	56.0	56.0	57.0	54.0	56.0	57.0	56.0	62.0
Total Key personnel	56.0	56.0	57.0	56.0	58.0	58.0	57.0	63.0
Indicator value	100.0%	100.0%	100.0%	96.4%	96.6%	98.3%	98.2%	98.4%

Licensee Comments: none

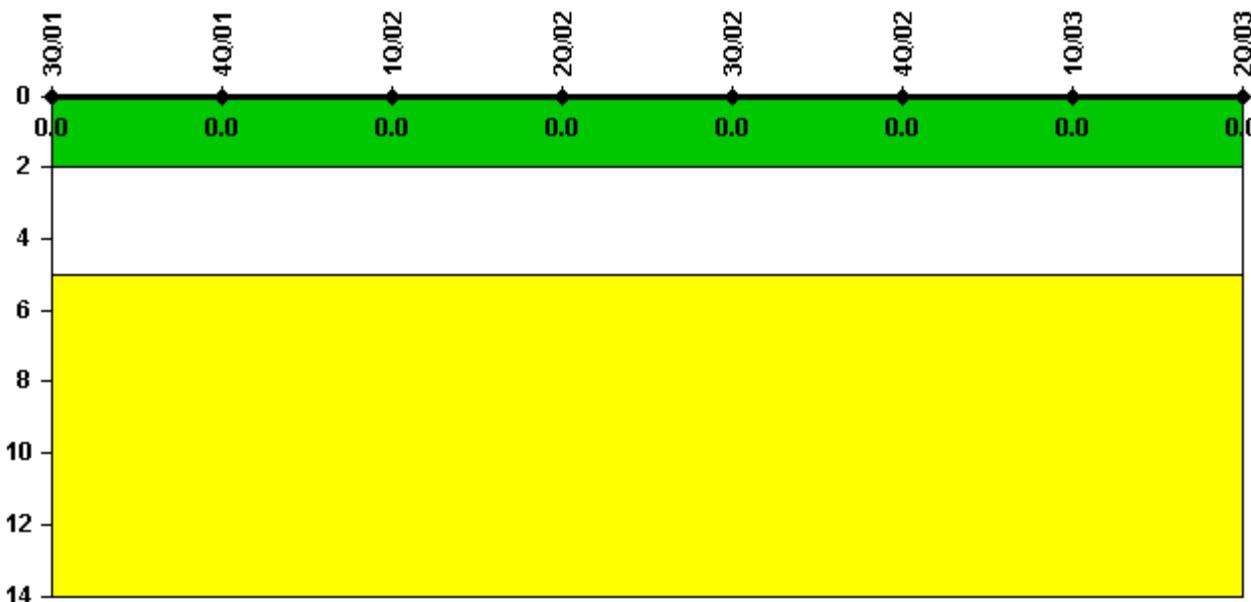
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	859	970	752	968	753	962	746	961
Total sirens-tests	864	972	756	972	756	972	756	972
Indicator value	99.3%	99.3%	99.4%	99.6%	99.6%	99.4%	99.2%	99.0%

Licensee Comments: none

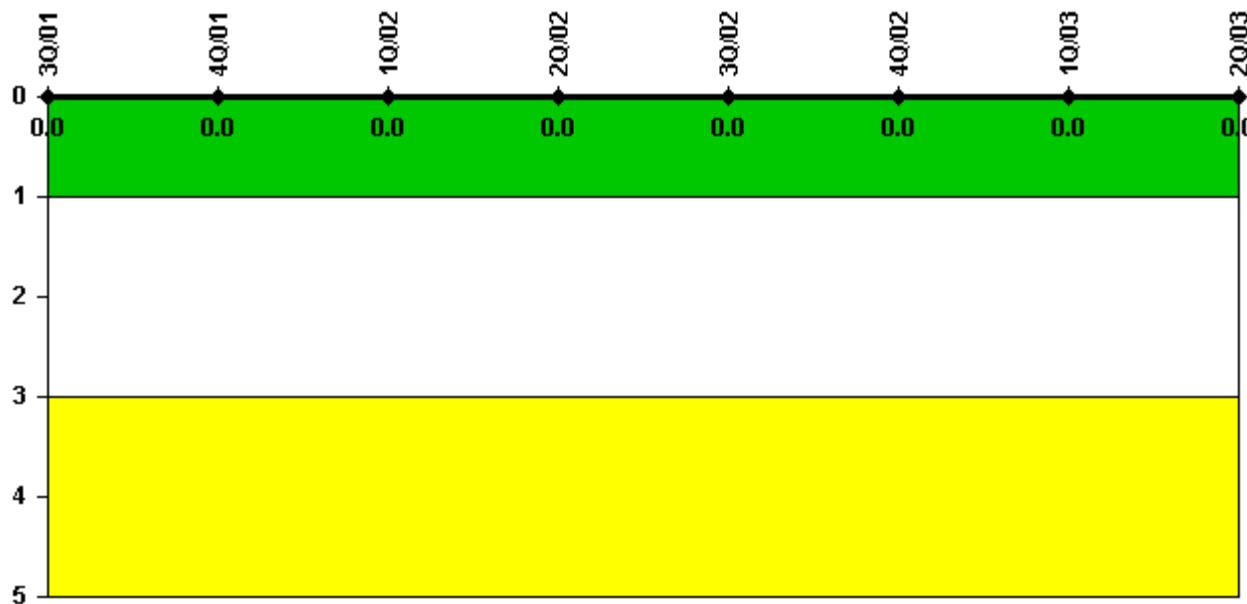
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

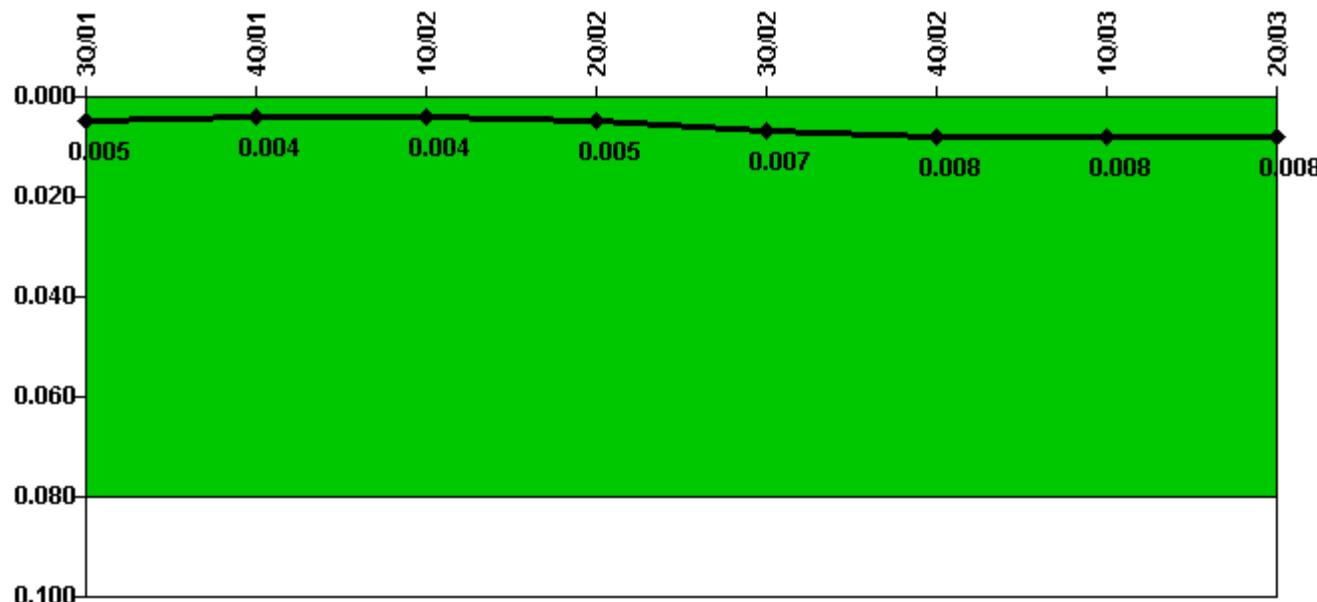
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

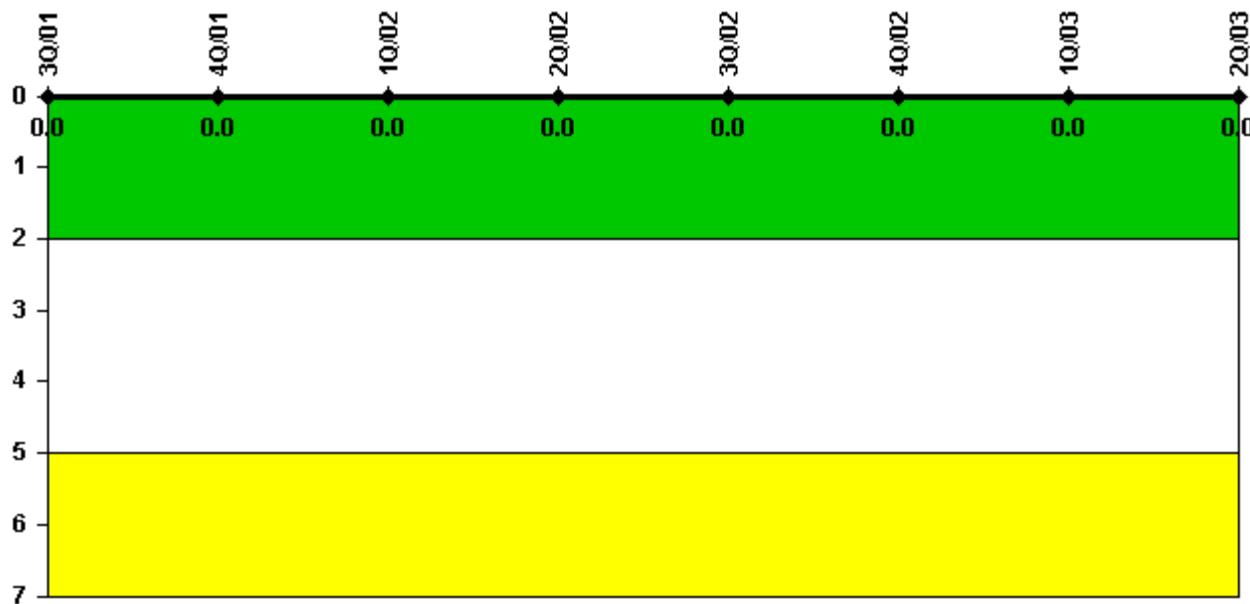


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	41.09	28.17	50.42	17.83	31.09	123.42	88.04	89.55
CCTV compensatory hours	29.9	0	54.4	58.2	106.1	0.6	0.2	44.9
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.005	0.004	0.004	0.005	0.007	0.008	0.008	0.008

Licensee Comments: none

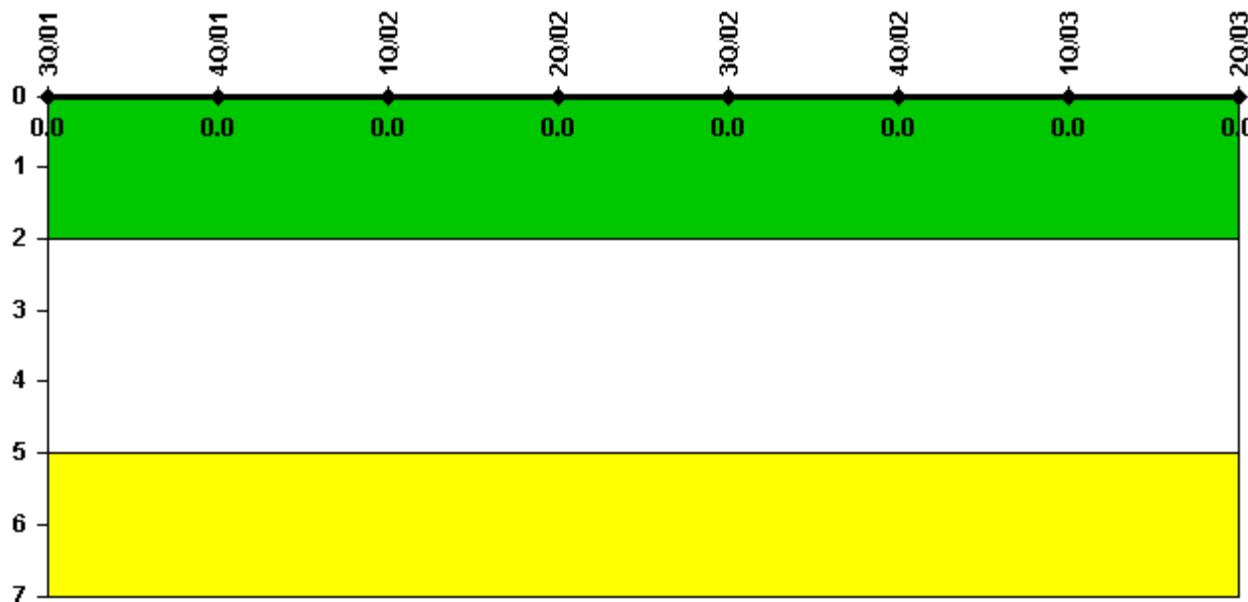
Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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

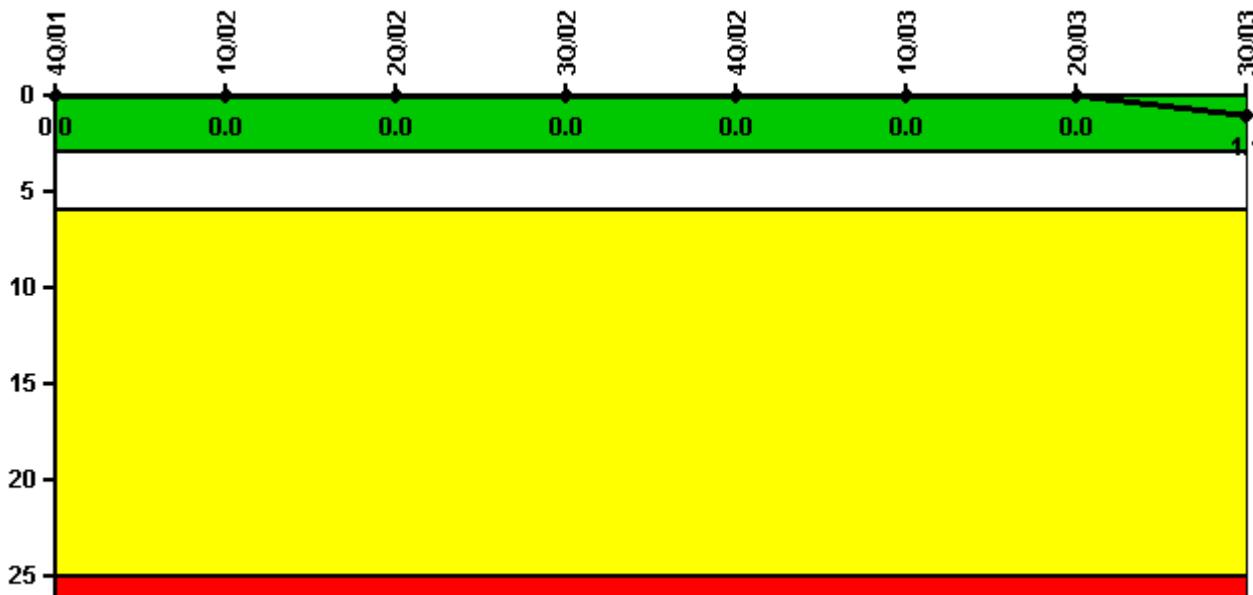
Last Modified: July 22, 2003

Sequoyah 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	0	0	0	1.0
Critical hours	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2	381.9	2128.6
Indicator value	0	0	0	0	0	0	0	1.1

Licensee Comments: none

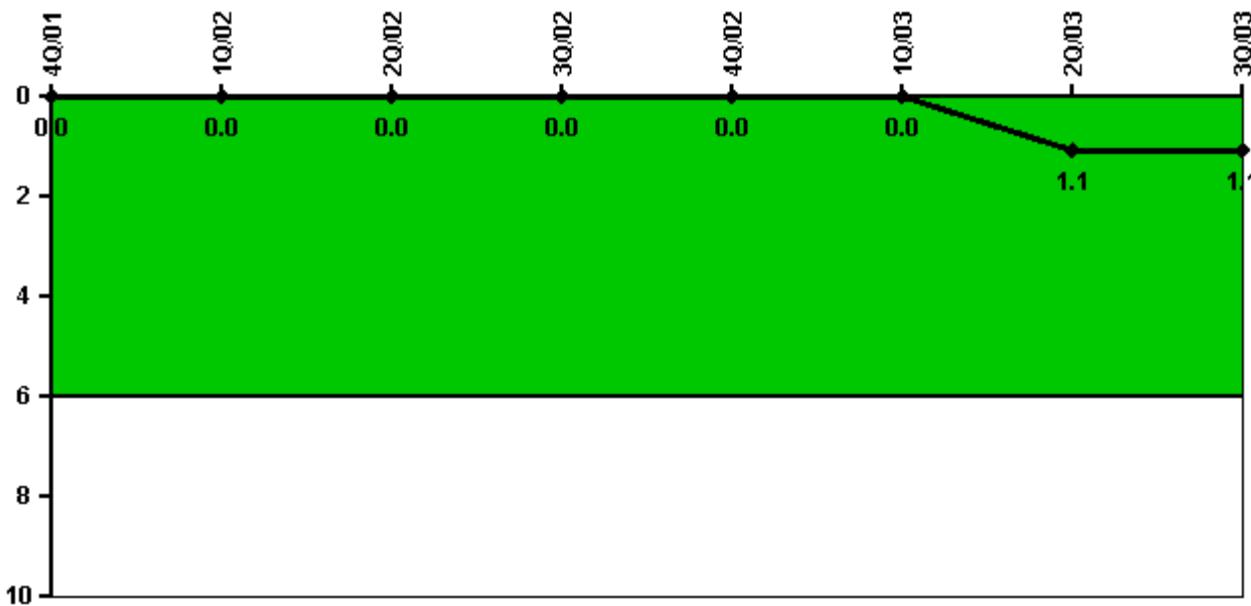
Scrams with Loss of Normal Heat Removal

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

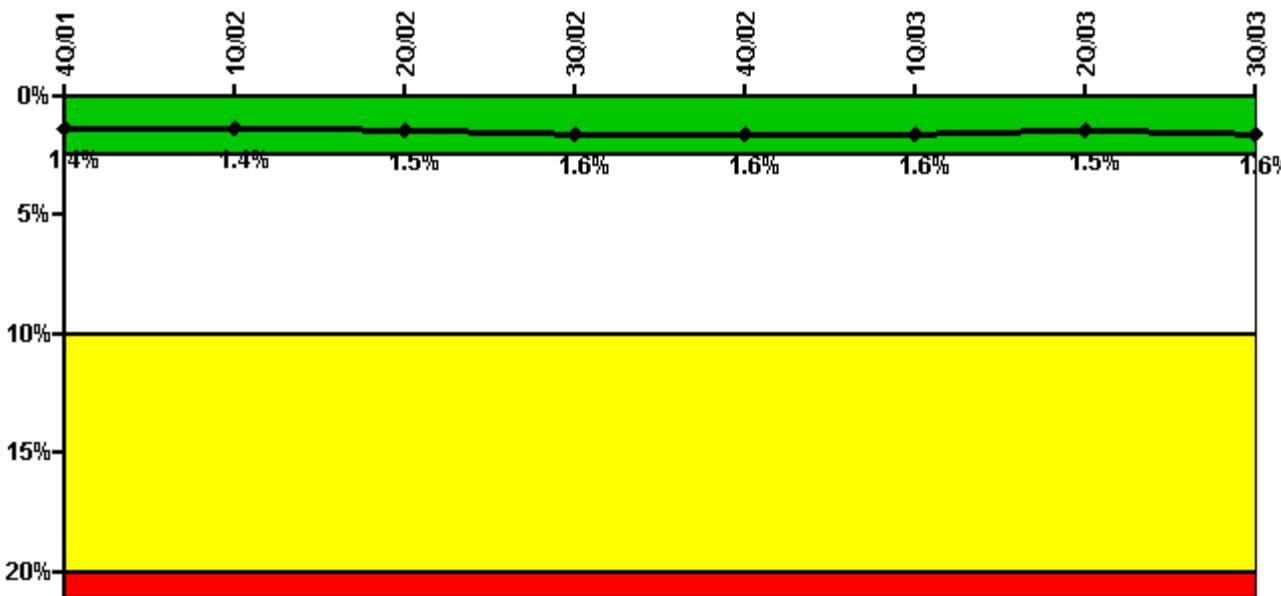
Thresholds: White > 6.0

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	1.0	0
Critical hours	1461.2	2160.0	2183.0	2208.0	2209.0	1803.2	381.9	2208.0
Indicator value	0	0	0	0	0	0	1.1	1.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

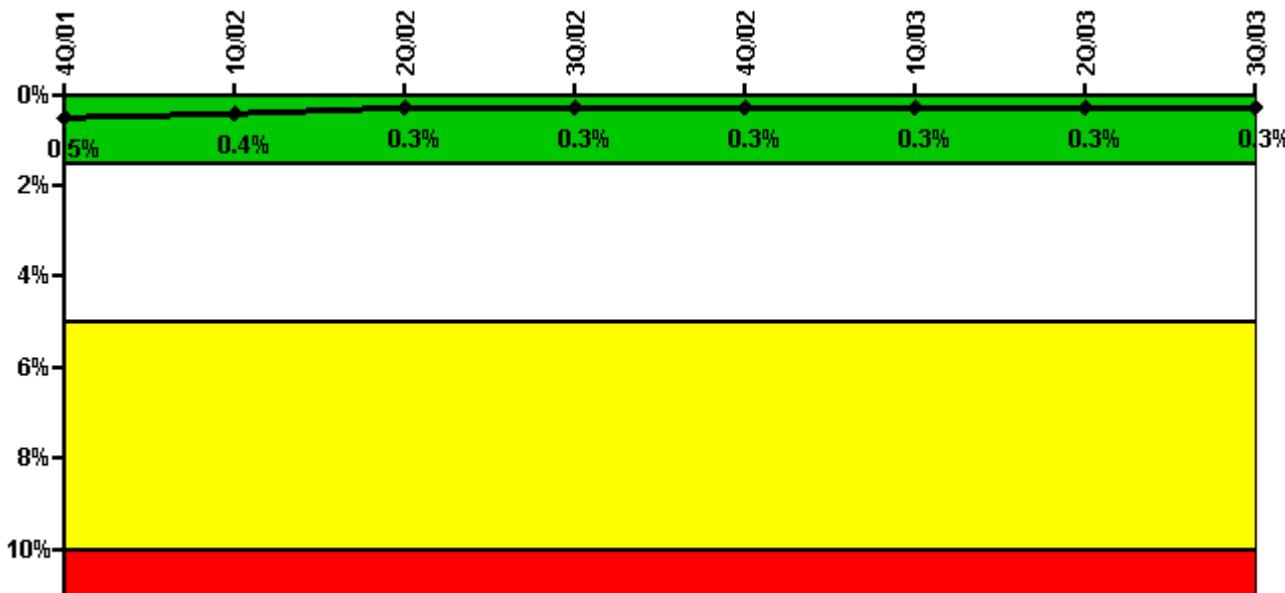
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	123.50	91.92	26.38	9.00	6.75	8.32	7.70	57.22
Unplanned unavailable hours	0	0	0	8.02	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.08	4.53	26.40	12.48	9.20	3.37	3.87	41.53
Unplanned unavailable hours	0	0	0	3.05	0	0	0	0
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 3								
Planned unavailable hours	1.95	161.88	61.87	29.35	4.43	4.02	6.27	51.07
Unplanned unavailable hours	24.17	0	5.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	9.87	19.82	23.28	36.57	12.25	4.60	4.63	36.37
Unplanned unavailable hours	0	15.05	0	33.72	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Indicator value		1.4%	1.4%	1.5%	1.6%	1.6%	1.6%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

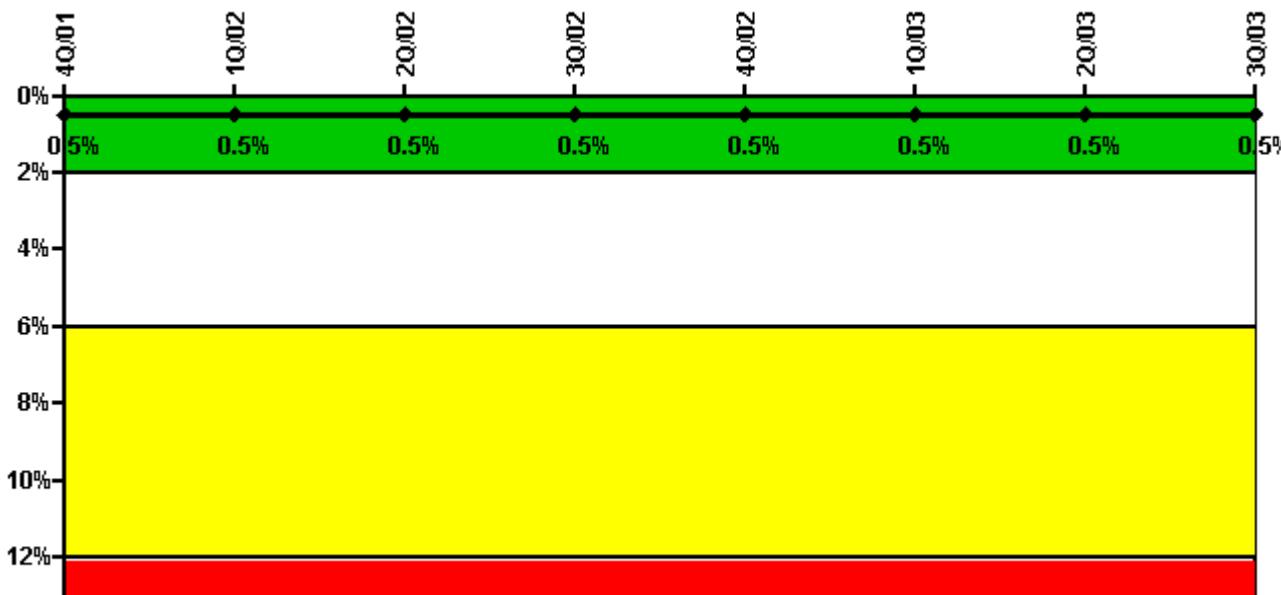
Notes

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	1.90	4.10	2.80	9.10	2.10	1.80	0	2.60
Unplanned unavailable hours	0	0	0	45.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40	451.30	2208.00
Train 2								
Planned unavailable hours	1.80	1.30	2.70	10.20	1.10	1.20	0	3.20
Unplanned unavailable hours	0	0	0	2.30	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	1526.20	2160.00	2183.00	2208.00	2209.00	1815.40	451.30	2208.00
Train 3								

Planned unavailable hours	4.60	5.40	15.90	3.50	2.10	2.60	0	11.20
Unplanned unavailable hours	0	0	0	2.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	432.00	2208.00
Train 4								
Planned unavailable hours	2.30	4.20	4.70	11.50	1.60	1.20	0	3.20
Unplanned unavailable hours	0	0	0	2.30	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	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	432.00	2208.00
Indicator value	0.5%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

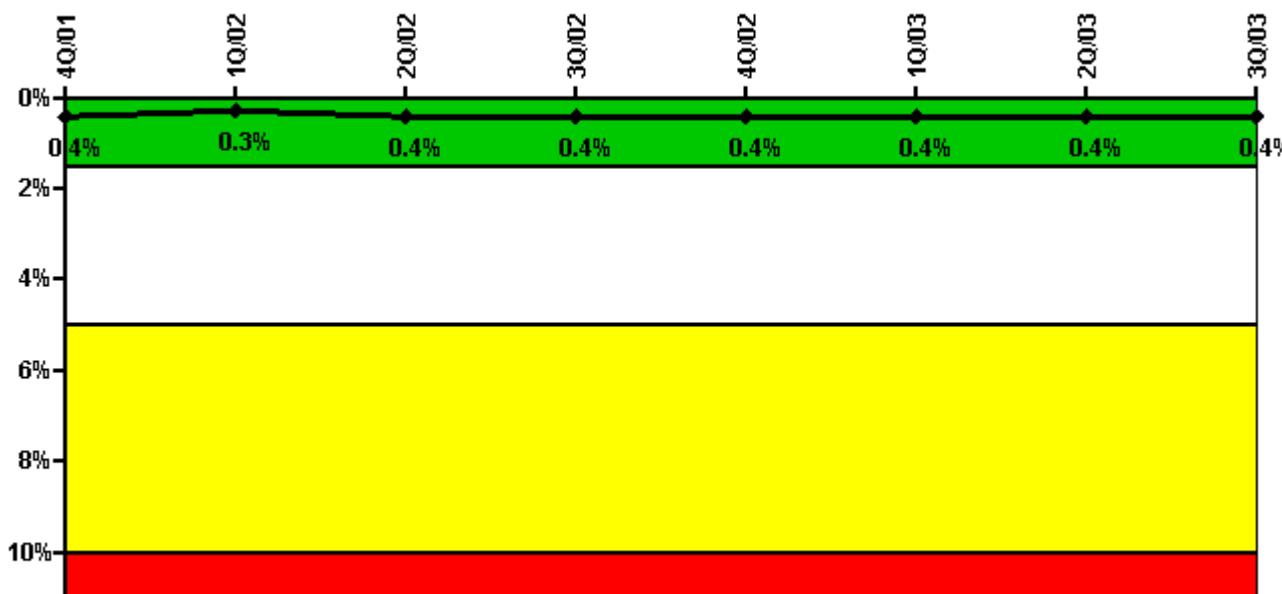
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	5.80	2.96	9.45	11.31	2.80	39.35	0	5.86
Unplanned unavailable hours	0	0	0	2.17	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1514.10	2160.00	2183.00	2208.00	2209.00	1810.20	451.30	2208.00
Train 2								
Planned unavailable hours	10.63	27.98	3.23	15.86	17.45	2.12	0.30	4.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1526.20	2160.00	2183.00	2208.00	2209.00	1815.44	432.00	2208.00
Train 3								
Planned unavailable hours	2.15	3.27	6.97	1.69	12.40	28.91	5.20	5.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1483.10	2160.00	2183.00	2208.00	2209.00	1810.20	394.50	2208.00
Indicator value	0.5%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



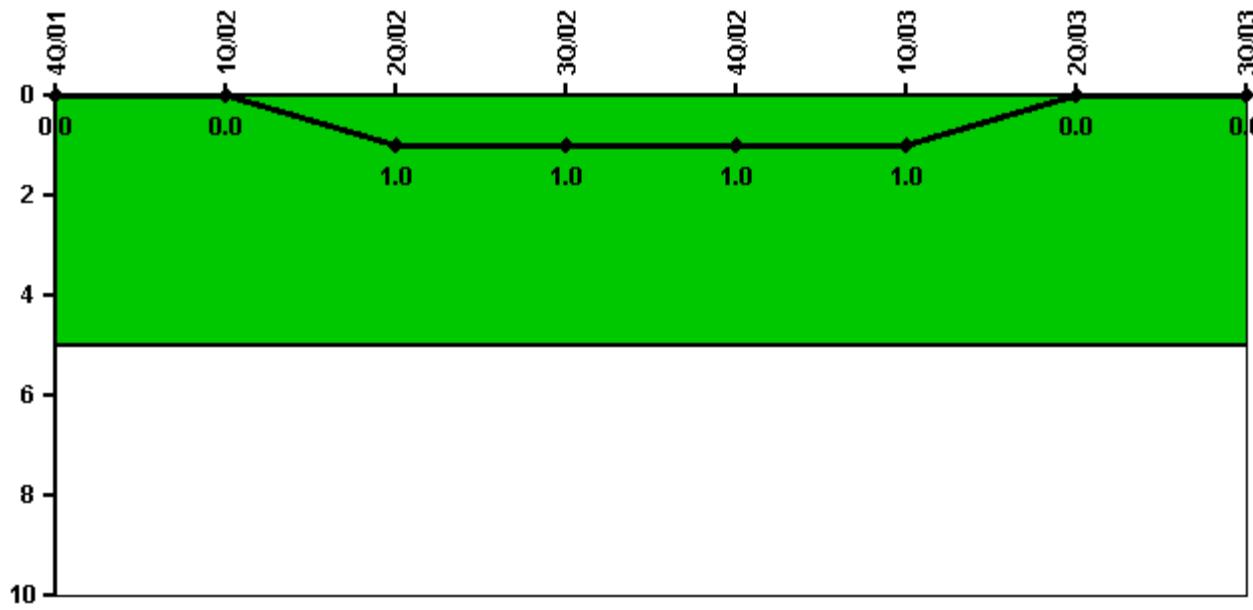
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	8.90	3.80	12.90	2.60	2.10	3.60	2.20	2.50
Unplanned unavailable hours	0	0	0	16.60	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00	782.50	2208.00
Train 2								
Planned unavailable hours	8.00	3.40	6.90	14.80	1.40	4.10	2.20	4.10
Unplanned unavailable hours	0	0	0	2.30	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	1857.50	2160.00	2183.00	2208.00	2209.00	1987.00	782.50	2208.00
Indicator value	0.4%	0.3%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

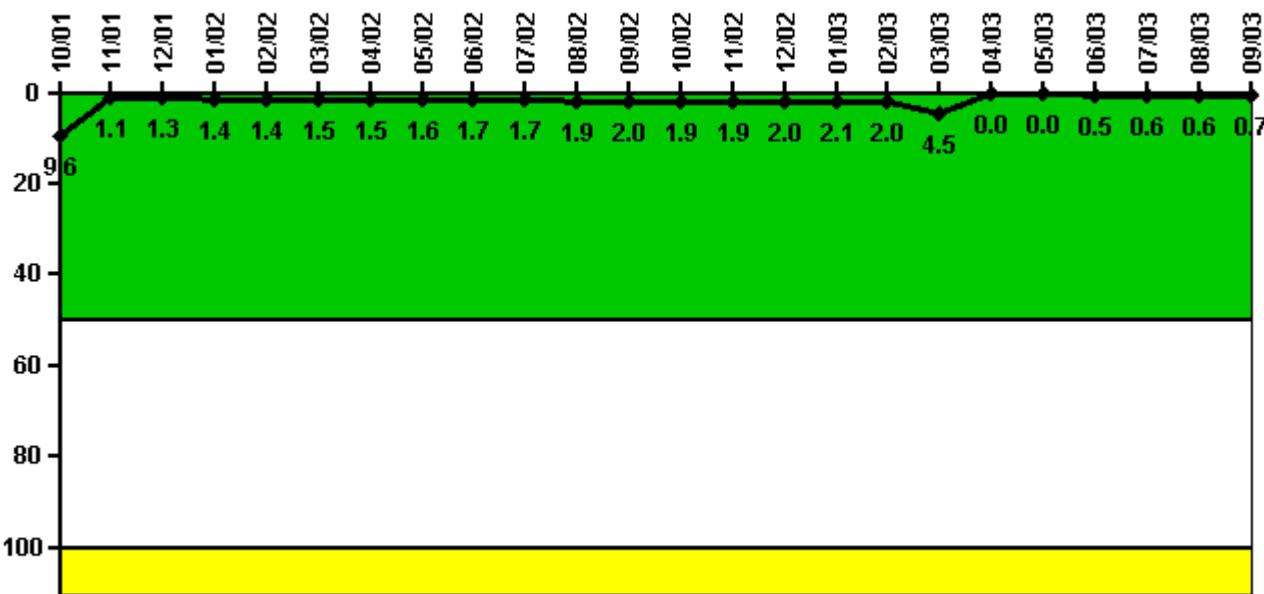
Notes

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

Indicator value	0	0	1	1	1	1	0	0
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Licensee Comments:

3Q/03:



Thresholds: White > 50.0 Yellow > 100.0

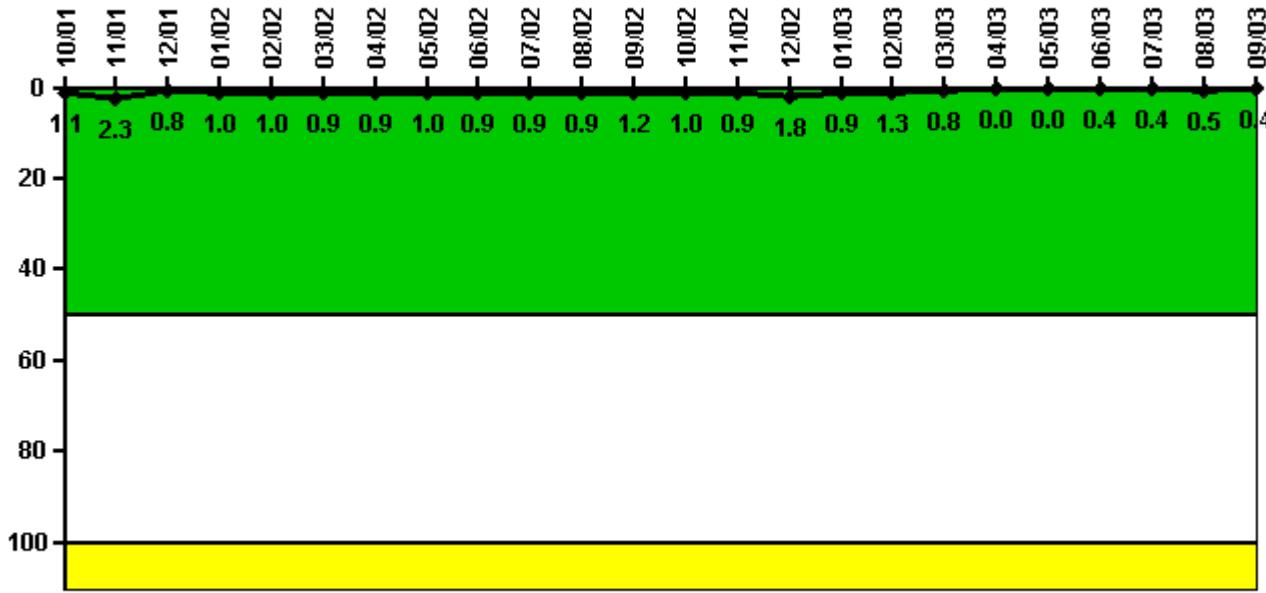
Notes

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	0.023900	0.002860	0.003330	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	9.6	1.1	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.9	2.0

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.004660	0.004800	0.005010	0.005200	0.005020	0.011300	0	0	0.001350	0.001490	0.001600	0.001680
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.9	1.9	2.0	2.1	2.0	4.5	0	0	0.5	0.6	0.6	0.7

Licensee Comments: none

Reactor Coolant System Leakage

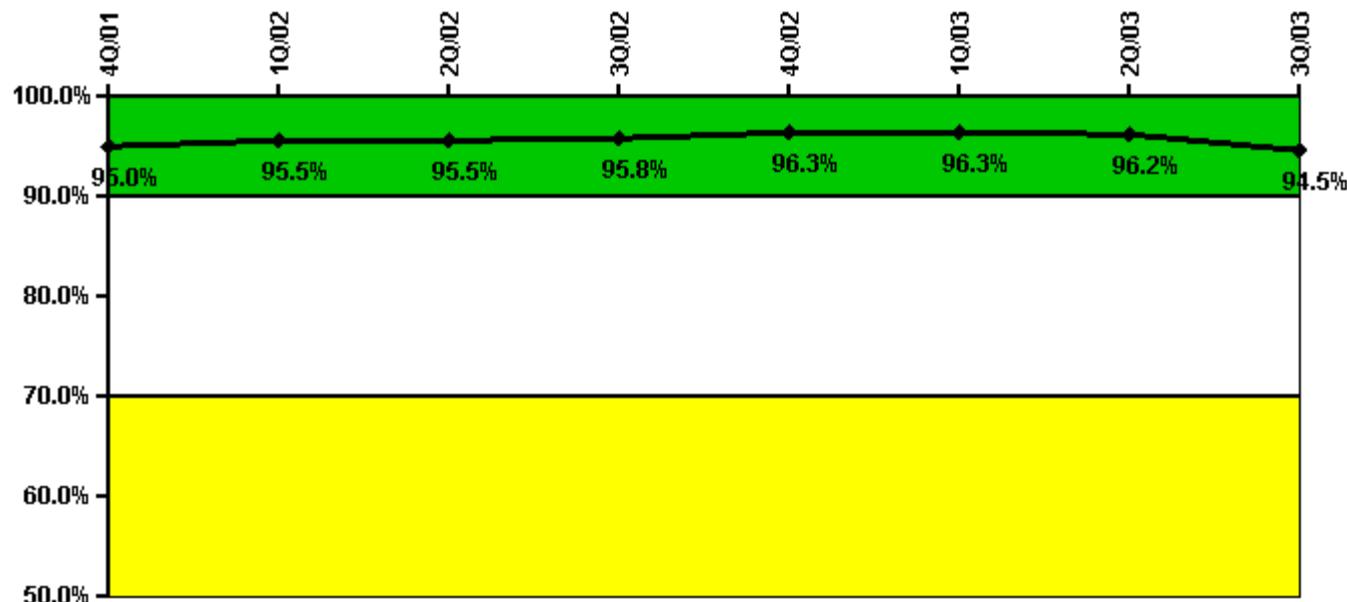


Thresholds: White > 50.0 Yellow > 100.0

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	0.110	0.230	0.080	0.100	0.100	0.090	0.090	0.100	0.090	0.090	0.090	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	2.3	0.8	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.9	1.2
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	0.100	0.090	0.180	0.090	0.130	0.080	0	0	0.040	0.040	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.9	1.8	0.9	1.3	0.8	0	0	0.4	0.4	0.5	0.4

Licensee Comments: none

Drill/Exercise Performance

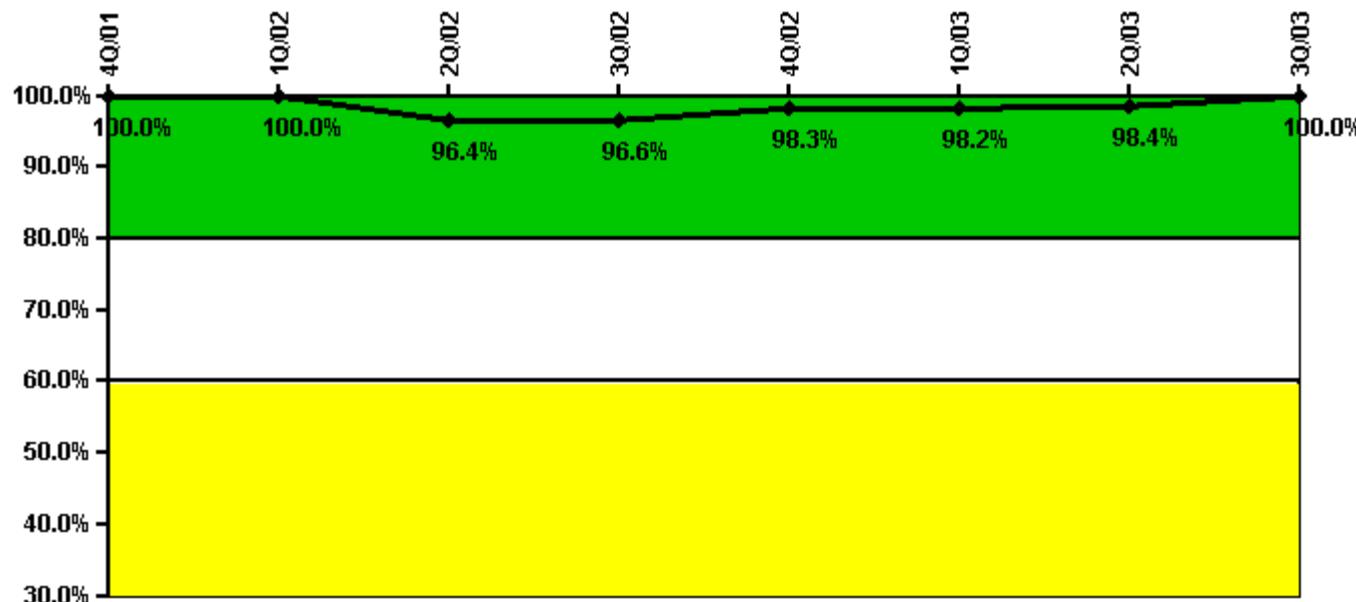
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	30.0	14.0	10.0	9.0	58.0	0	0	155.0
Total opportunities	34.0	14.0	10.0	10.0	58.0	0	0	166.0
Indicator value	95.0%	95.5%	95.5%	95.8%	96.3%	96.3%	96.2%	94.5%

Licensee Comments:

3Q/03: FAQ submitted (PER FAQ 338) concerning inconsistent marking of "Drill"/"Actual" due to change of expectations and incomplete implementation of change.

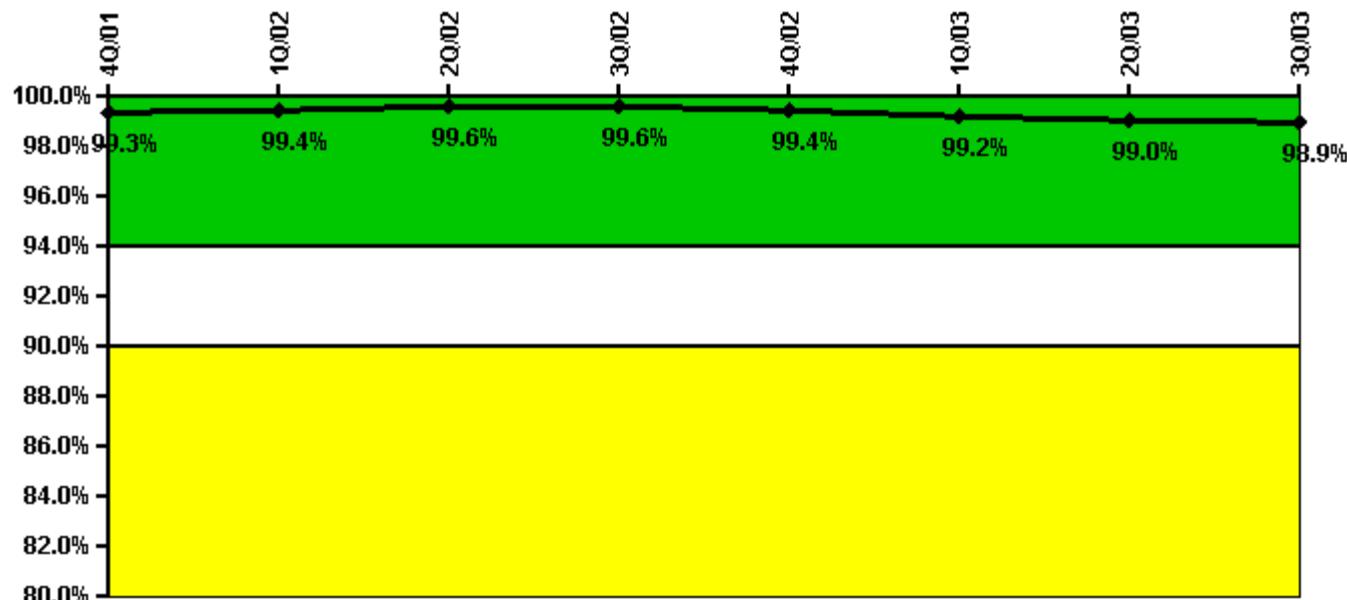
ERO Drill Participation

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	56.0	57.0	54.0	56.0	57.0	56.0	62.0	62.0
Total Key personnel	56.0	57.0	56.0	58.0	58.0	57.0	63.0	62.0
Indicator value	100.0%	100.0%	96.4%	96.6%	98.3%	98.2%	98.4%	100.0%

Licensee Comments: none

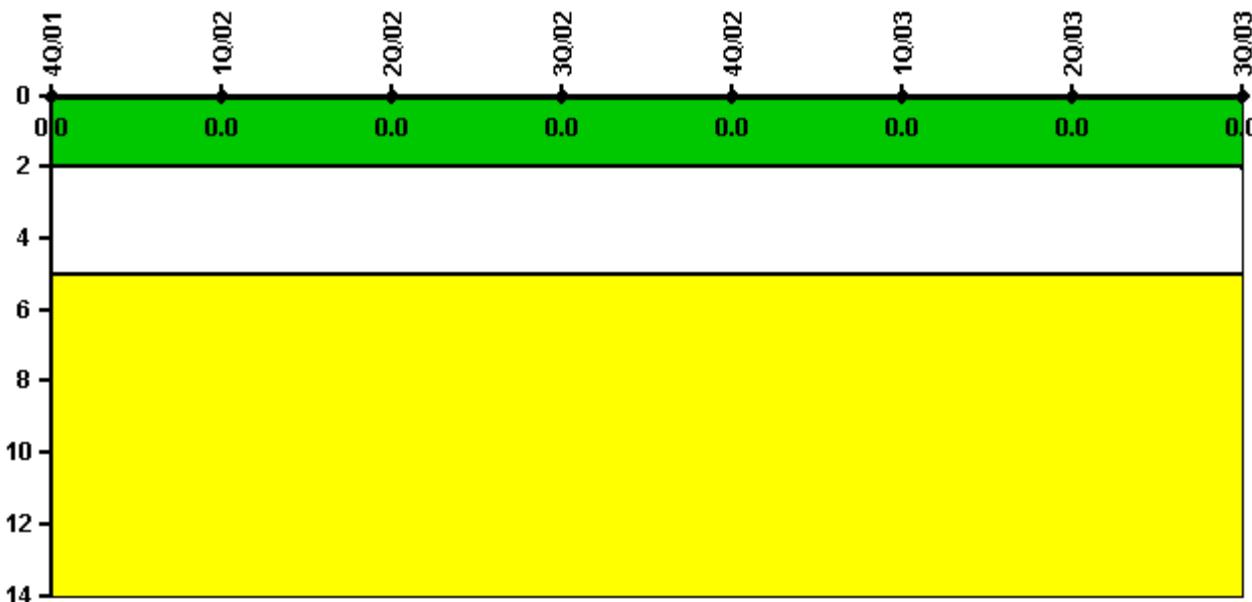
Alert & Notification System

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	970	752	968	753	962	746	961	855
Total sirens-tests	972	756	972	756	972	756	972	864
Indicator value	99.3%	99.4%	99.6%	99.6%	99.4%	99.2%	99.0%	98.9%

Licensee Comments: none

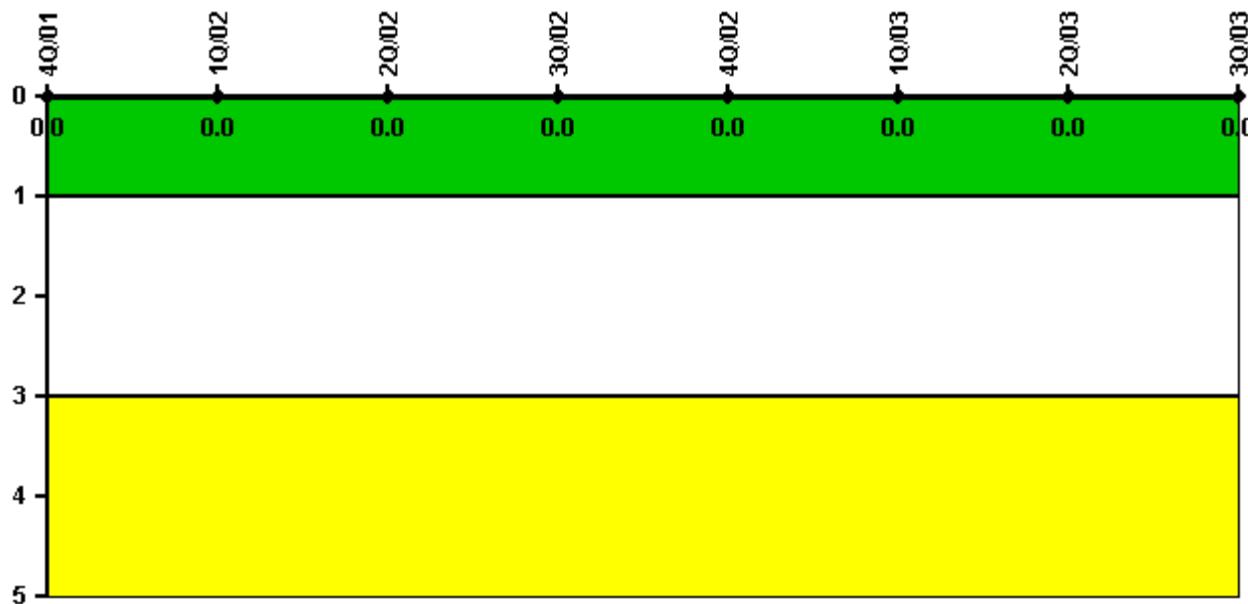
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

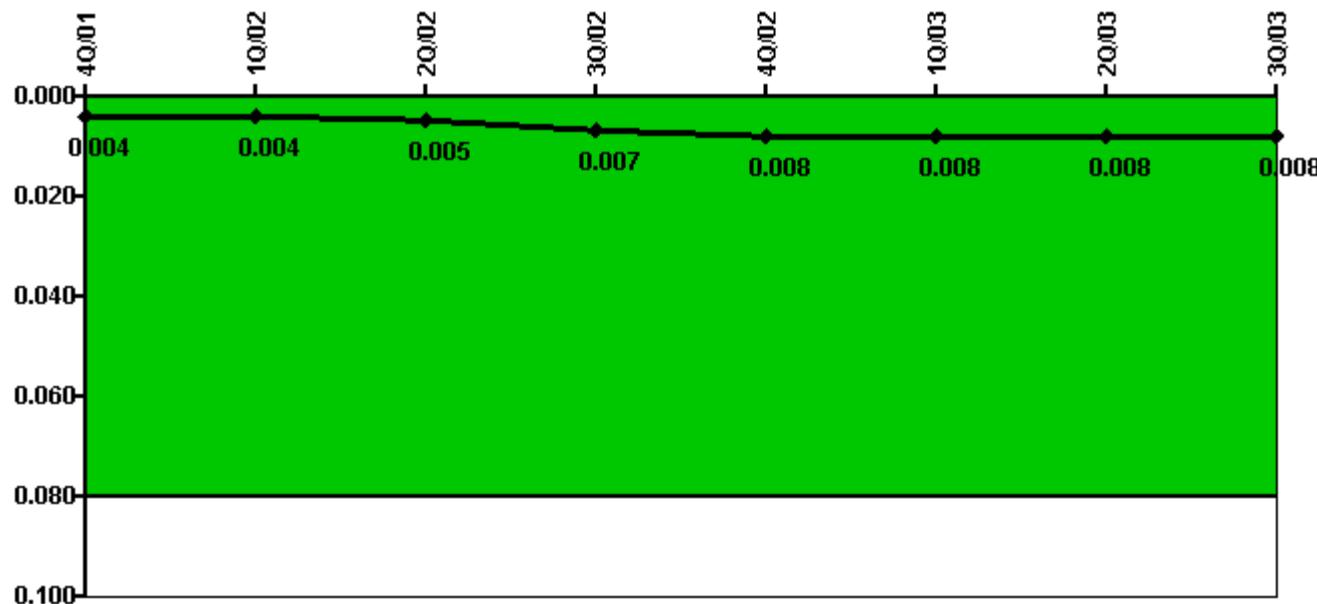
RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

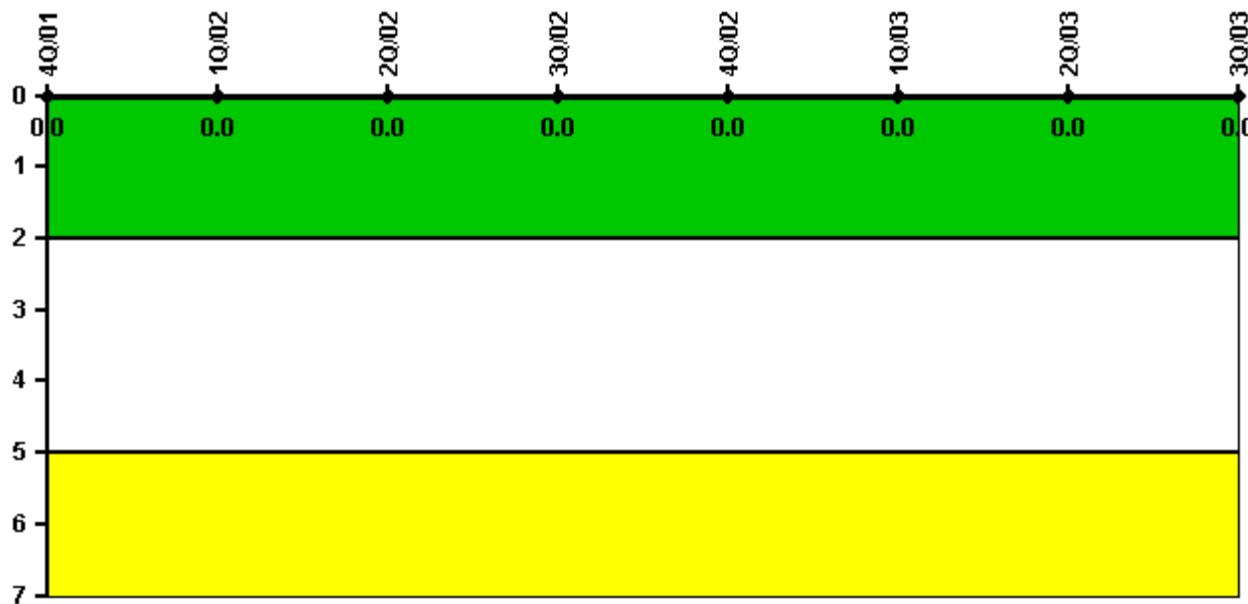
Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	28.17	50.42	17.83	31.09	123.42	88.04	89.55	146.31
CCTV compensatory hours	0	54.4	58.2	106.1	0.6	0.2	44.9	0.3
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.004	0.004	0.005	0.007	0.008	0.008	0.008	0.008

Licensee Comments: none

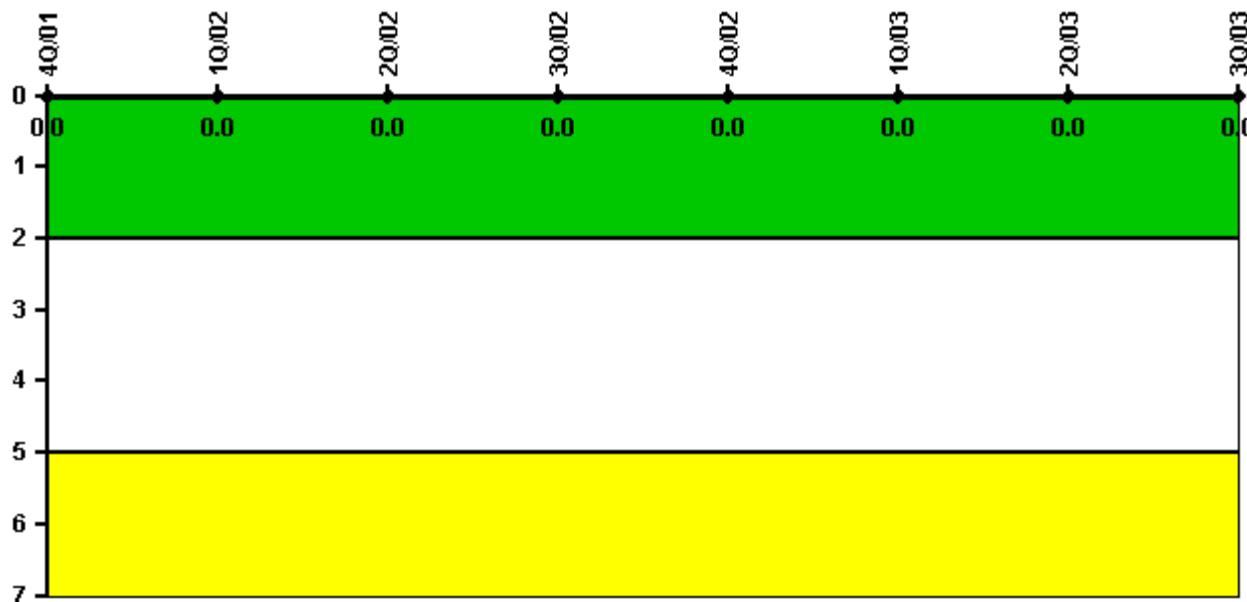
Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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

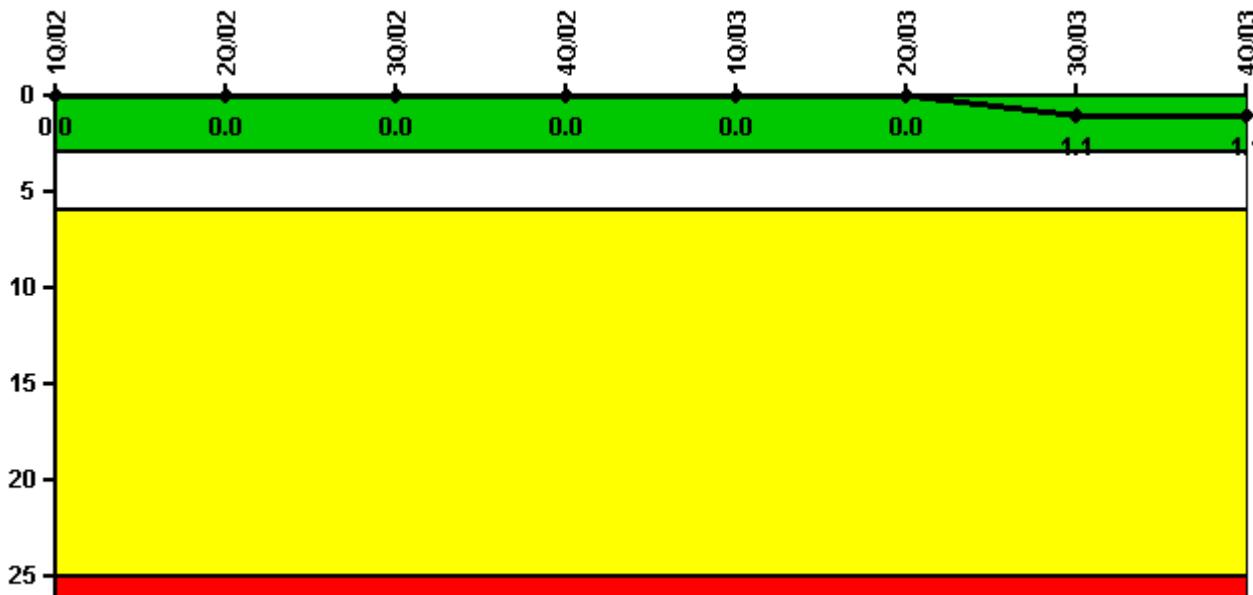
Last Modified: October 22, 2003

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4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

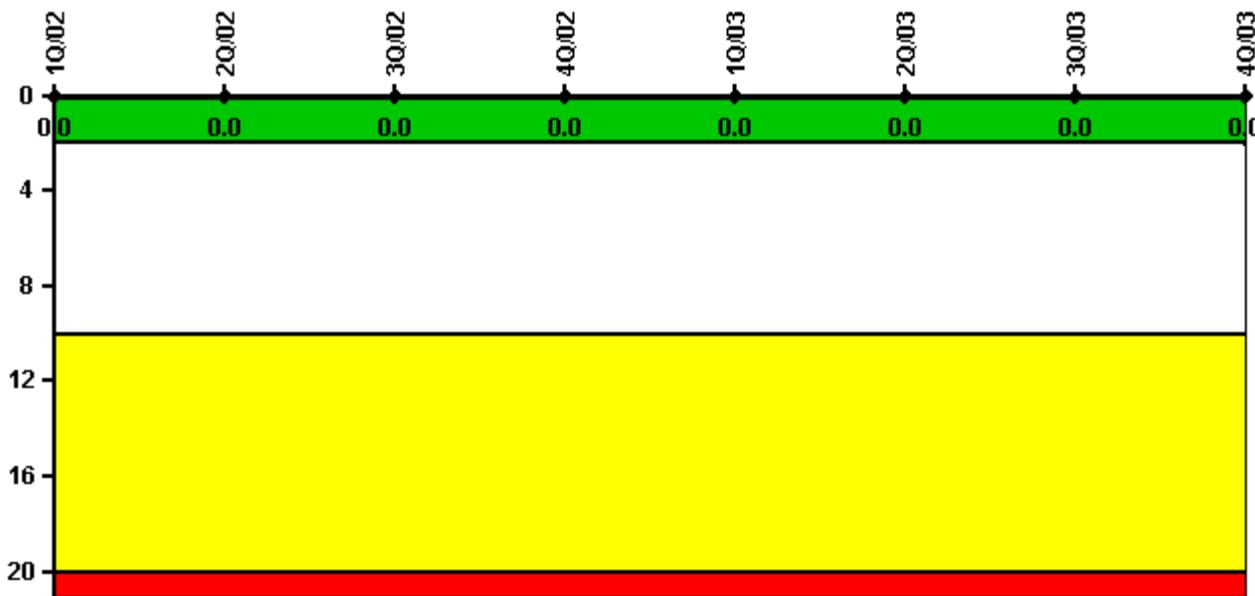


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1803.2	381.9	2128.6	2209.0
Indicator value	0	0	0	0	0	0	1.1	1.1

Licensee Comments: none

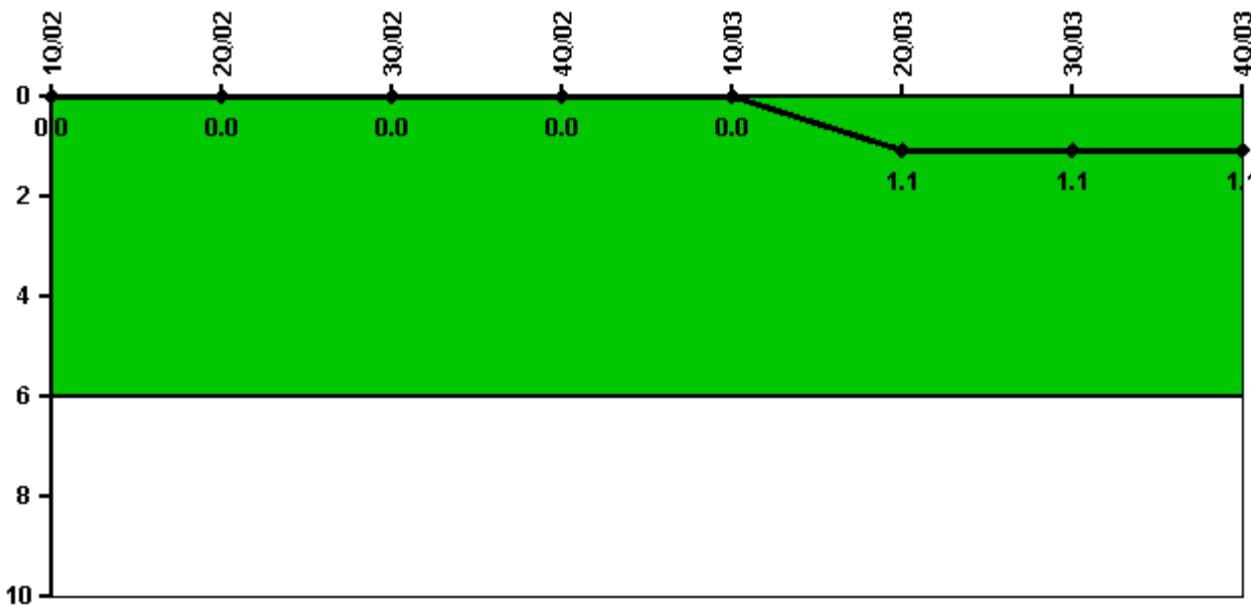
Scrams with Loss of Normal Heat Removal

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

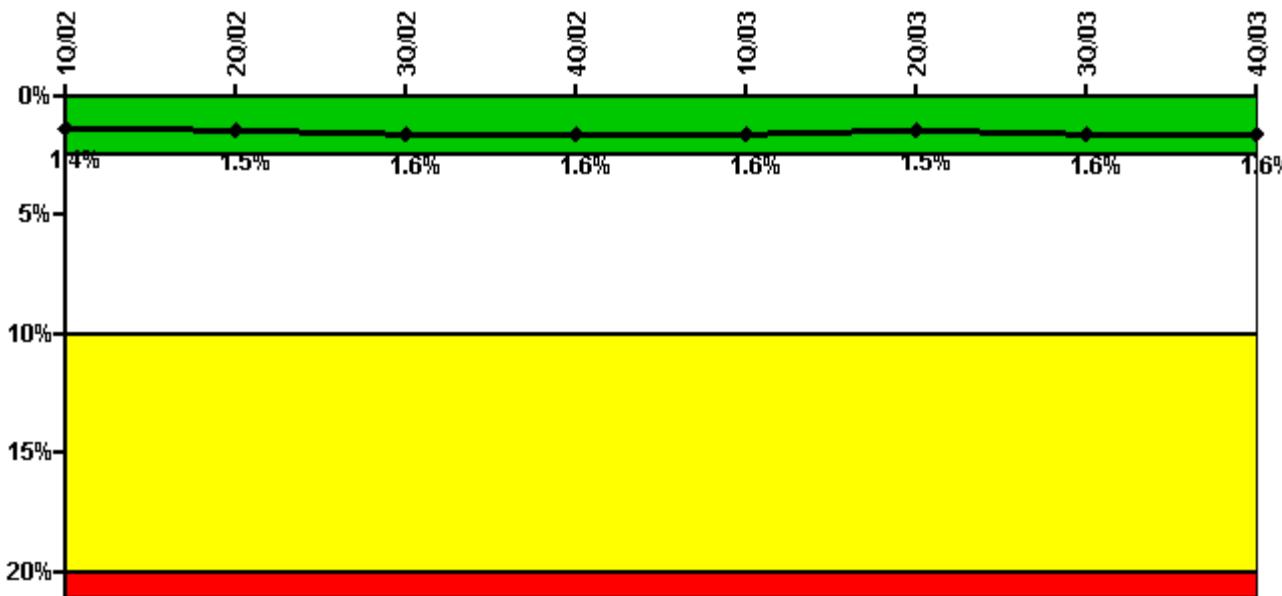
Thresholds: White > 6.0

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	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1803.2	381.9	2128.6	2209.0
Indicator value	0	0	0	0	0	1.1	1.1	1.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

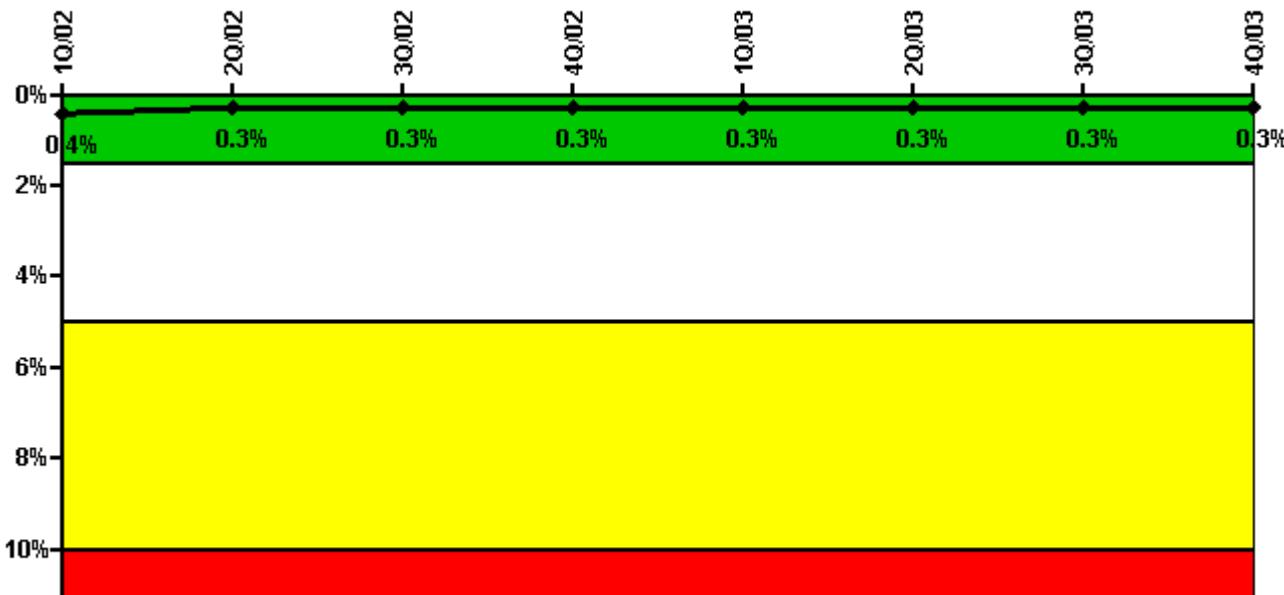
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	91.92	26.38	9.00	6.75	8.32	7.70	57.22	29.95
Unplanned unavailable hours	0	0	8.02	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	4.53	26.40	12.48	9.20	3.37	3.87	41.53	6.55
Unplanned unavailable hours	0	0	3.05	0	0	0	0	0
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 3								
Planned unavailable hours	161.88	61.87	29.35	4.43	4.02	6.27	51.07	7.35
Unplanned unavailable hours	0	5.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	19.82	23.28	36.57	12.25	4.60	4.63	36.37	10.78
Unplanned unavailable hours	15.05	0	33.72	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00

Indicator value	1.4%	1.5%	1.6%	1.6%	1.6%	1.5%	1.6%	1.6%
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Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

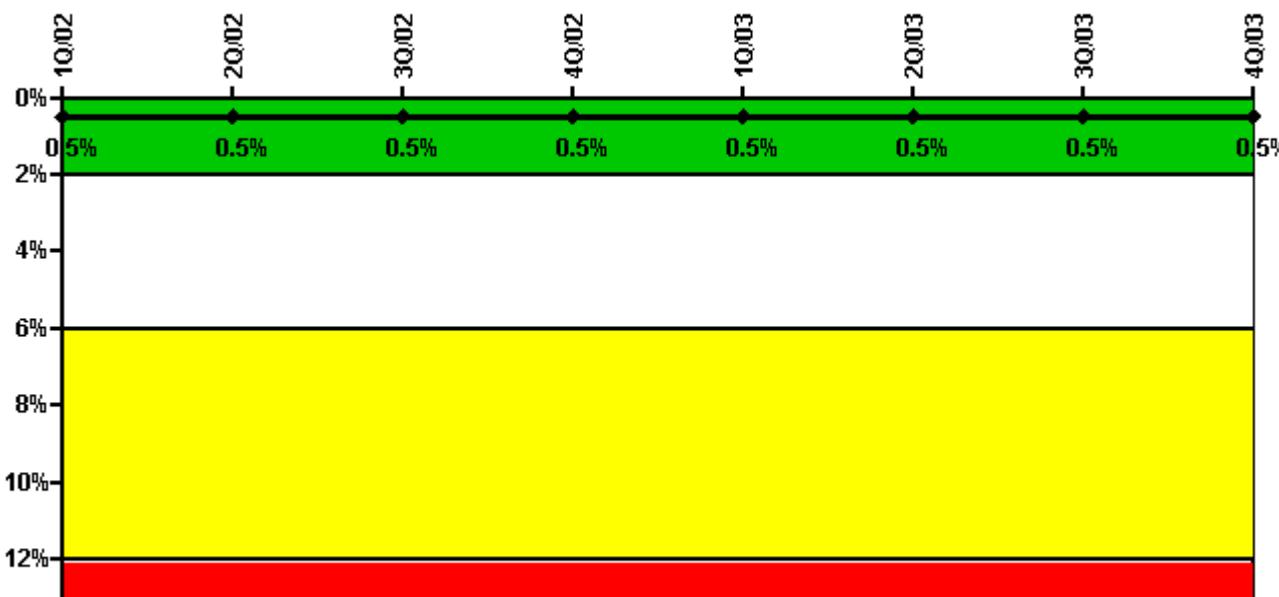
Notes

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	4.10	2.80	9.10	2.10	1.80	0	2.60	24.70
Unplanned unavailable hours	0	0	45.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1815.40	451.30	2208.00	2209.00
Train 2								
Planned unavailable hours	1.30	2.70	10.20	1.10	1.20	0	3.20	7.70
Unplanned unavailable hours	0	0	2.30	0	0	0	0	7.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1815.40	451.30	2208.00	2209.00
Train 3								

Planned unavailable hours	5.40	15.90	3.50	2.10	2.60	0	11.20	2.00
Unplanned unavailable hours	0	0	2.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1810.20	432.00	2208.00	2209.00
Train 4								
Planned unavailable hours	4.20	4.70	11.50	1.60	1.20	0	3.20	2.50
Unplanned unavailable hours	0	0	2.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1810.20	432.00	2208.00	2209.00
Indicator value	0.4%	0.3%						

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

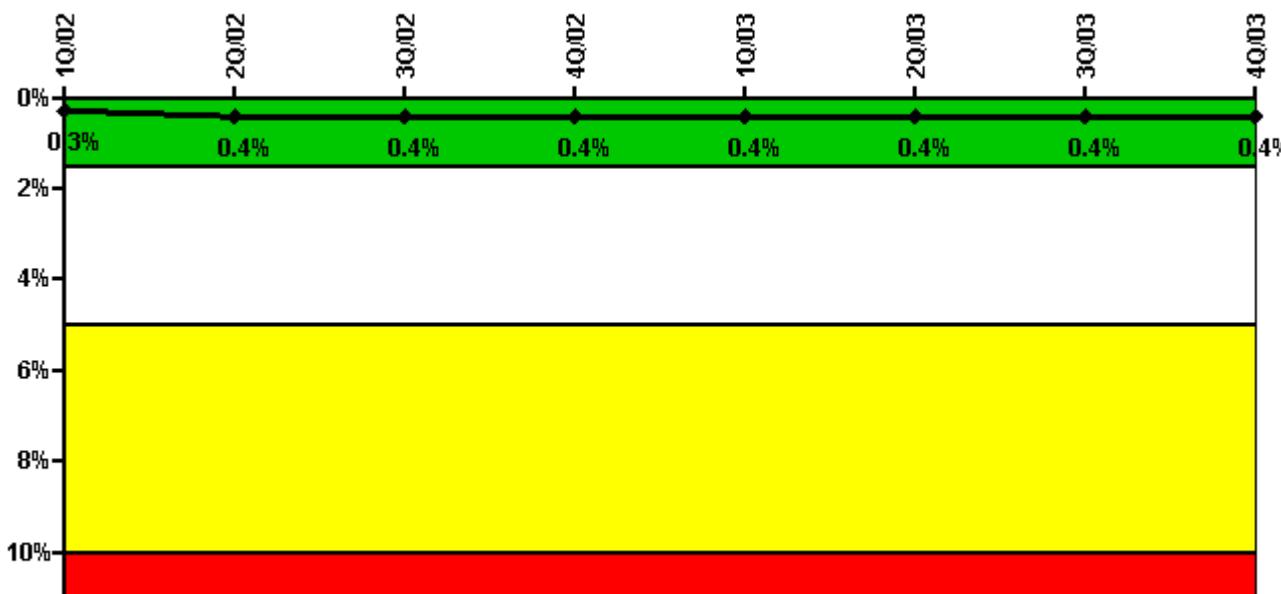
Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	2.96	9.45	11.31	2.80	39.35	0	5.86	2.91
Unplanned unavailable hours	0	0	2.17	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1810.20	451.30	2208.00	2209.00
Train 2								
Planned unavailable hours	27.98	3.23	15.86	17.45	2.12	0.30	4.08	6.47
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1815.44	432.00	2208.00	2209.00
Train 3								
Planned unavailable hours	3.27	6.97	1.69	12.40	28.91	5.20	5.77	11.09
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1810.20	394.50	2208.00	2209.00
Indicator value	0.5%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



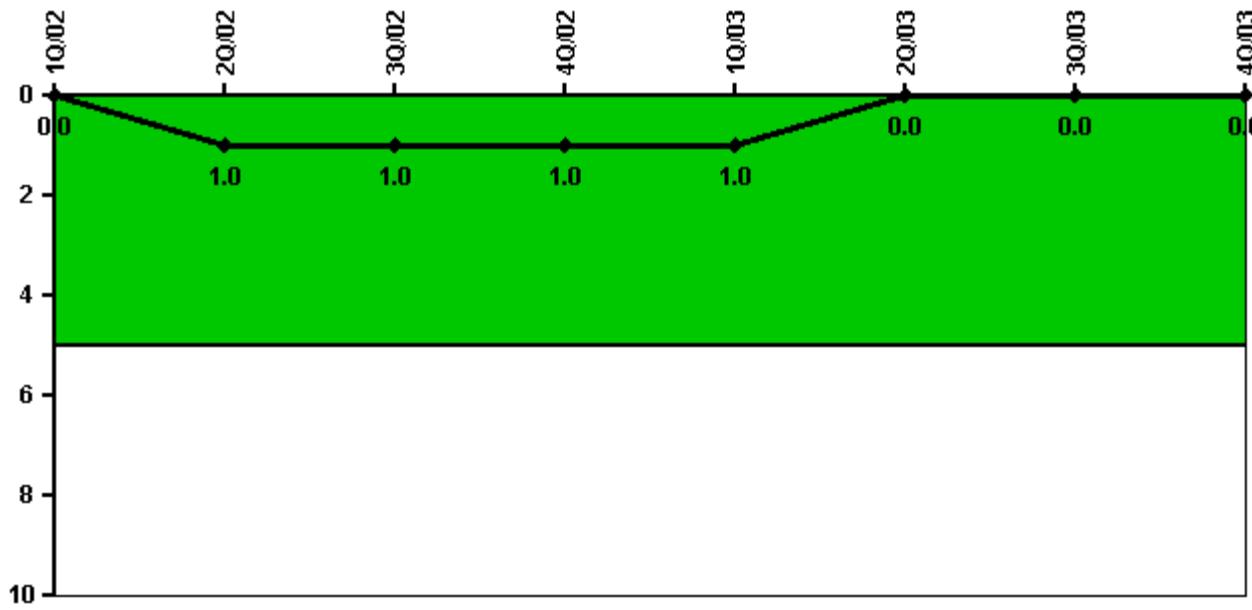
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	3.80	12.90	2.60	2.10	3.60	2.20	2.50	2.00
Unplanned unavailable hours	0	0	16.60	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1987.00	782.50	2208.00	2209.00
Train 2								
Planned unavailable hours	3.40	6.90	14.80	1.40	4.10	2.20	4.10	43.40
Unplanned unavailable hours	0	0	2.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1987.00	782.50	2208.00	2209.00
Indicator value	0.3%	0.4%						

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

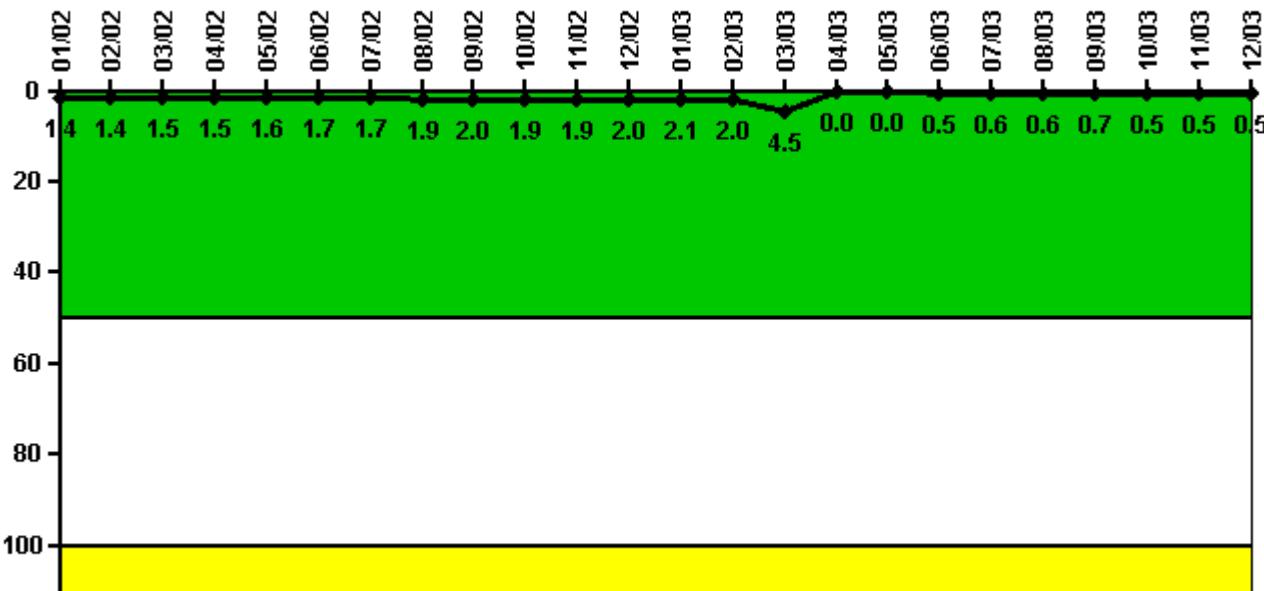
Notes

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

Indicator value	0	1	1	1	1	0	0	0
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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

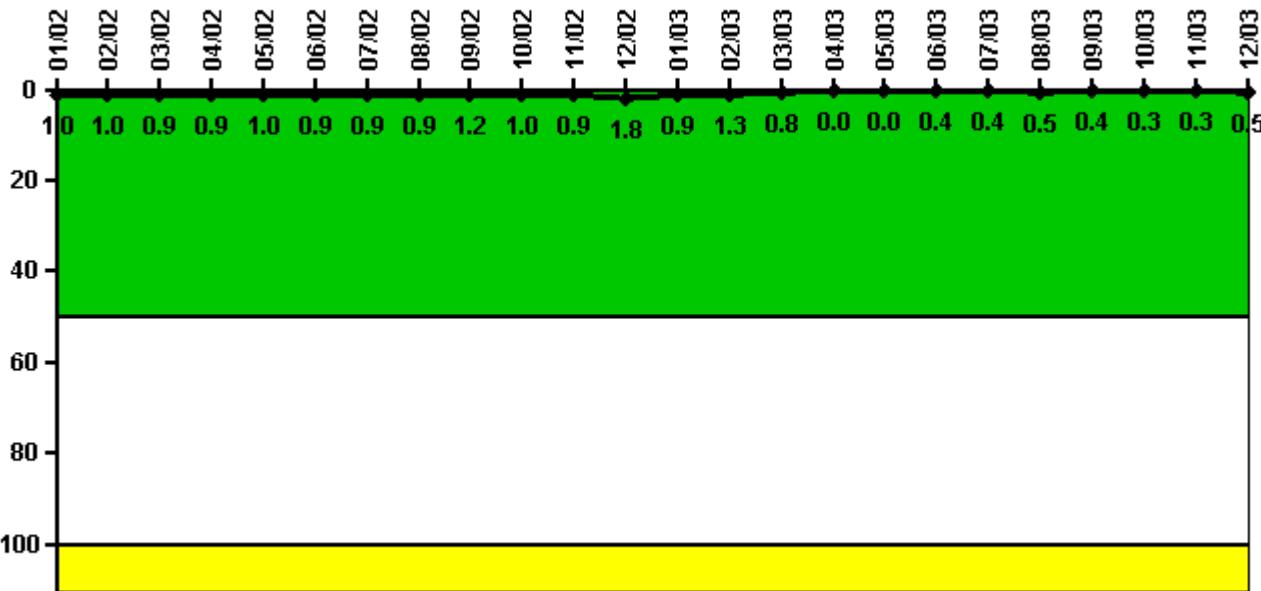
Notes

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	0.003460	0.003530	0.003650	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.9	2.0	1.9	1.9	2.0

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	0.005200	0.005020	0.011300	0	0	0.001350	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
Indicator value	2.1	2.0	4.5	0	0	0.5	0.6	0.6	0.7	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



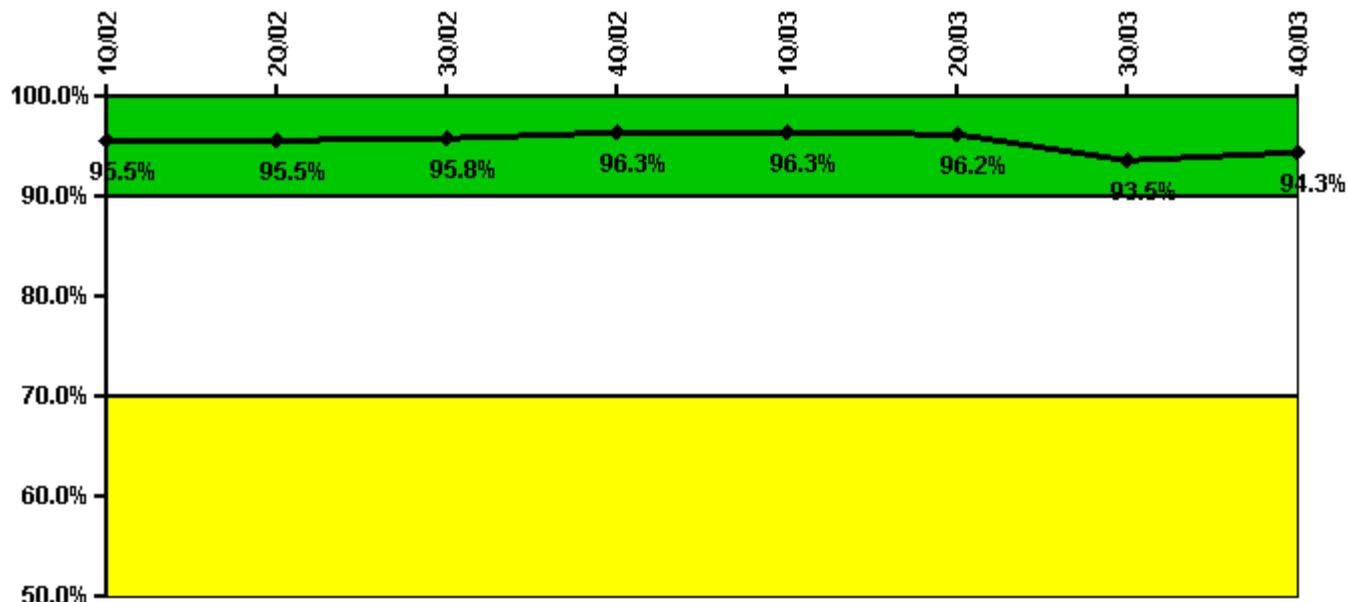
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.100	0.100	0.090	0.090	0.100	0.090	0.090	0.090	0.120	0.100	0.090	0.180
Technical specification limit	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	0.9	0.9	1.0	0.9	0.9	0.9	1.2	1.0	0.9	1.8
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	0.090	0.130	0.080	0	0	0.040	0.040	0.050	0.040	0.030	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.3	0.8	0	0	0.4	0.4	0.5	0.4	0.3	0.3	0.5

Licensee Comments: none

Drill/Exercise Performance



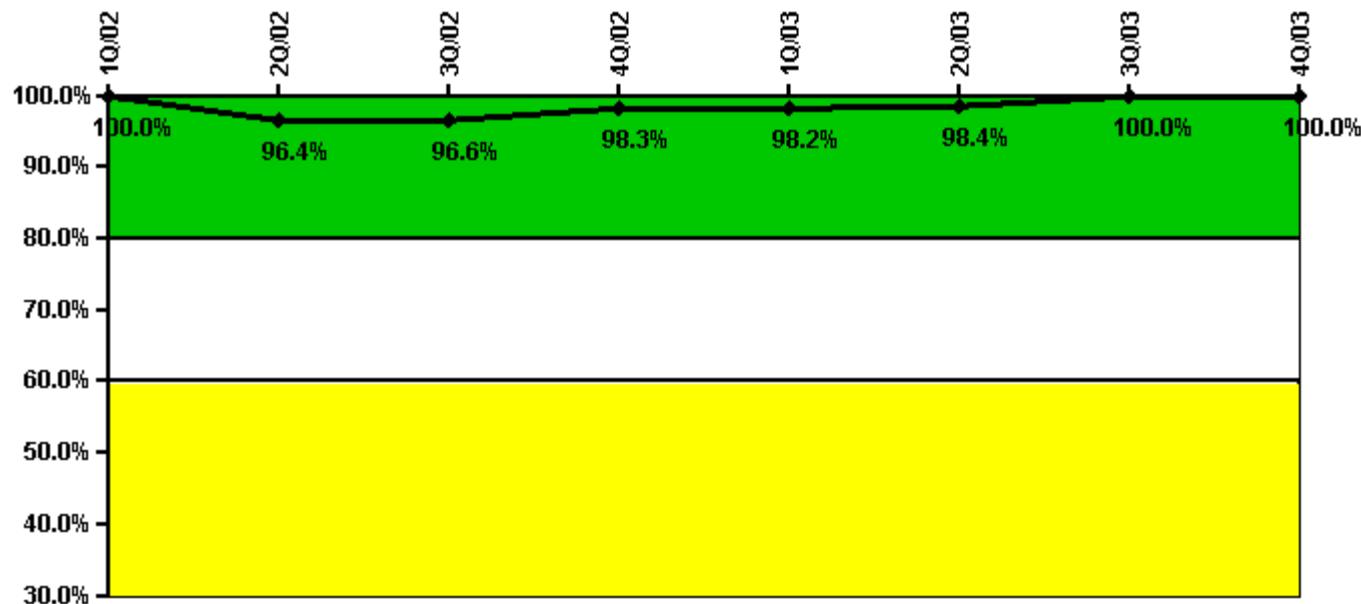
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	14.0	10.0	9.0	58.0	0	0	38.0	35.0
Total opportunities	14.0	10.0	10.0	58.0	0	0	44.0	38.0
Indicator value	95.5%	95.5%	95.8%	96.3%	96.3%	96.2%	93.5%	94.3%

Licensee Comments:

3Q/03: FAQ submitted (PER FAQ 338) concerning inconsistent marking of "Drill"/"Actual" due to change of expectations and incomplete implementation of change.

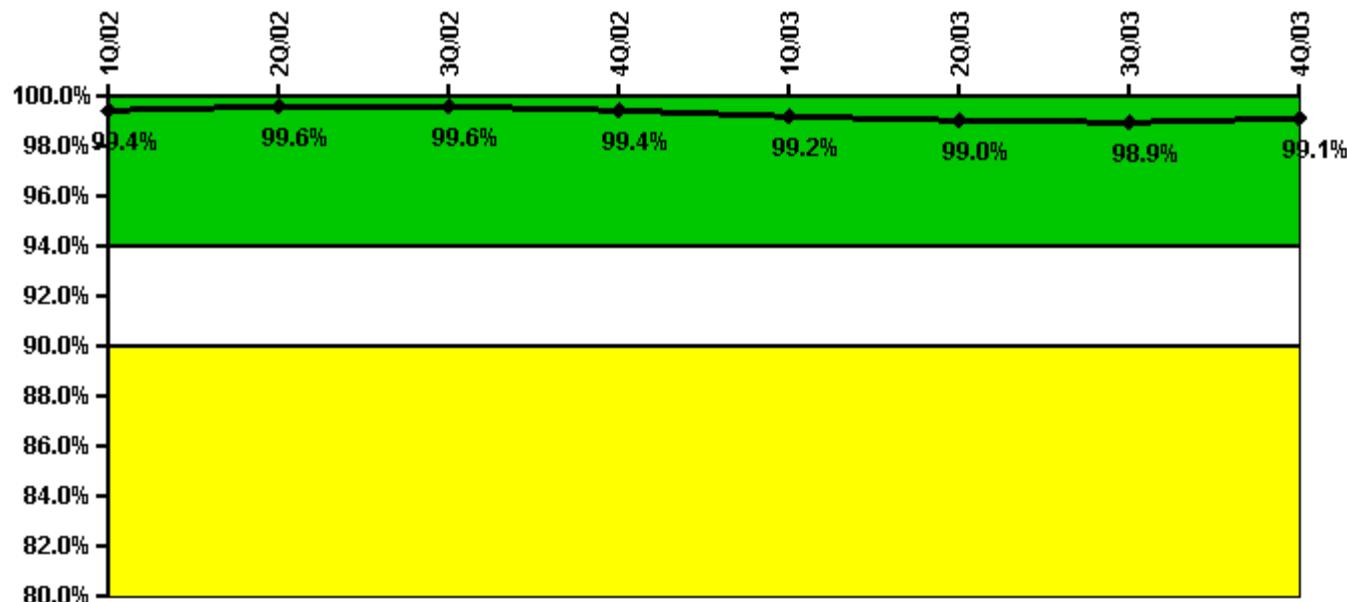
ERO Drill Participation

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	57.0	54.0	56.0	57.0	56.0	62.0	62.0	63.0
Total Key personnel	57.0	56.0	58.0	58.0	57.0	63.0	62.0	63.0
Indicator value	100.0%	96.4%	96.6%	98.3%	98.2%	98.4%	100.0%	100.0%

Licensee Comments: none

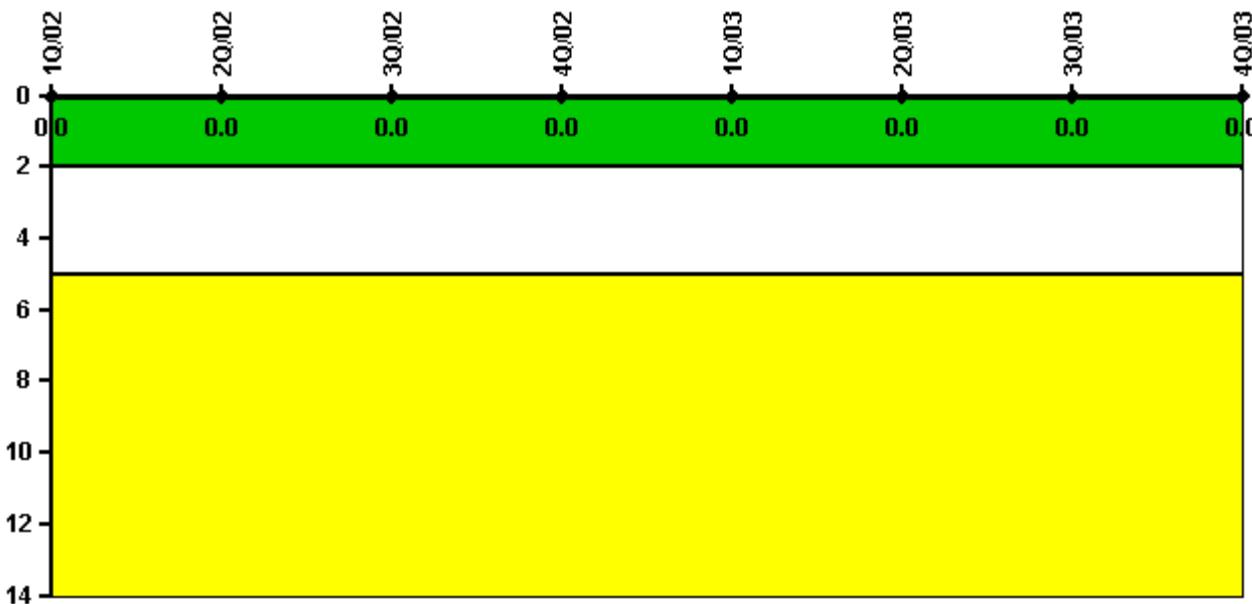
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	752	968	753	962	746	961	855	971
Total sirens-tests	756	972	756	972	756	972	864	972
Indicator value	99.4%	99.6%	99.6%	99.4%	99.2%	99.0%	98.9%	99.1%

Licensee Comments: none

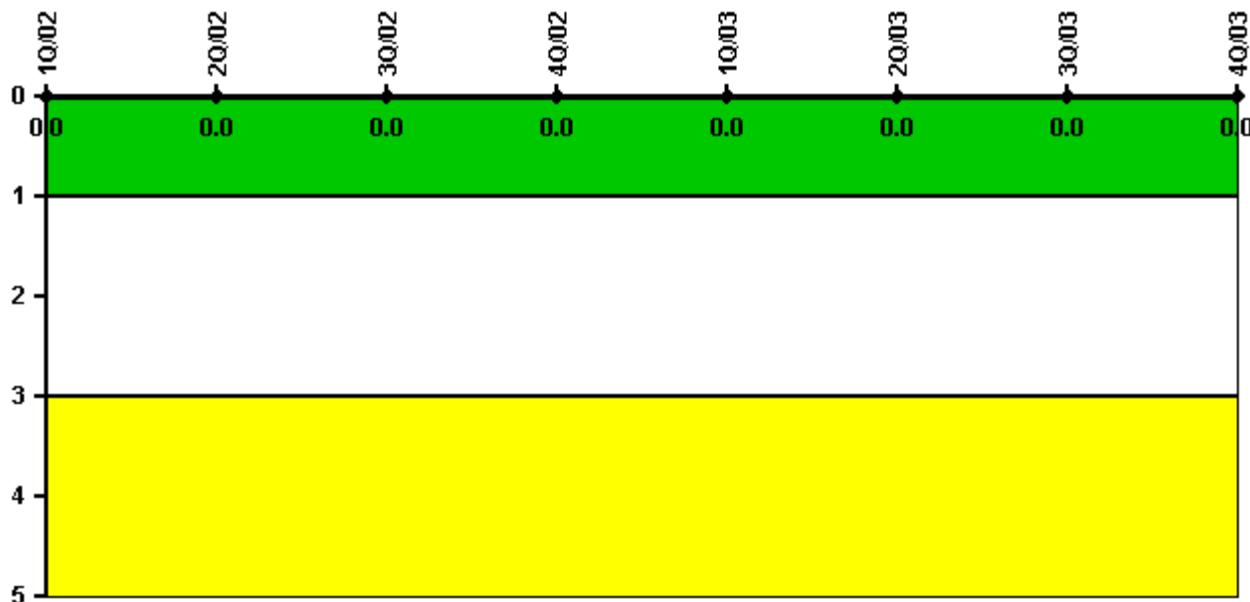
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

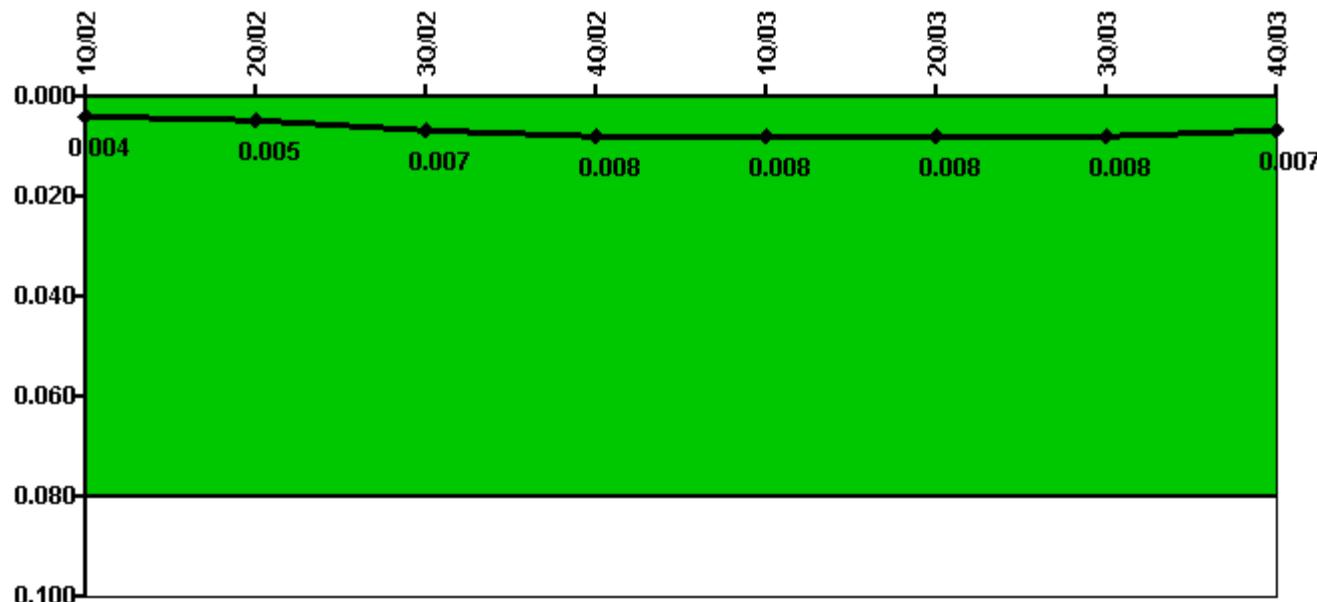
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

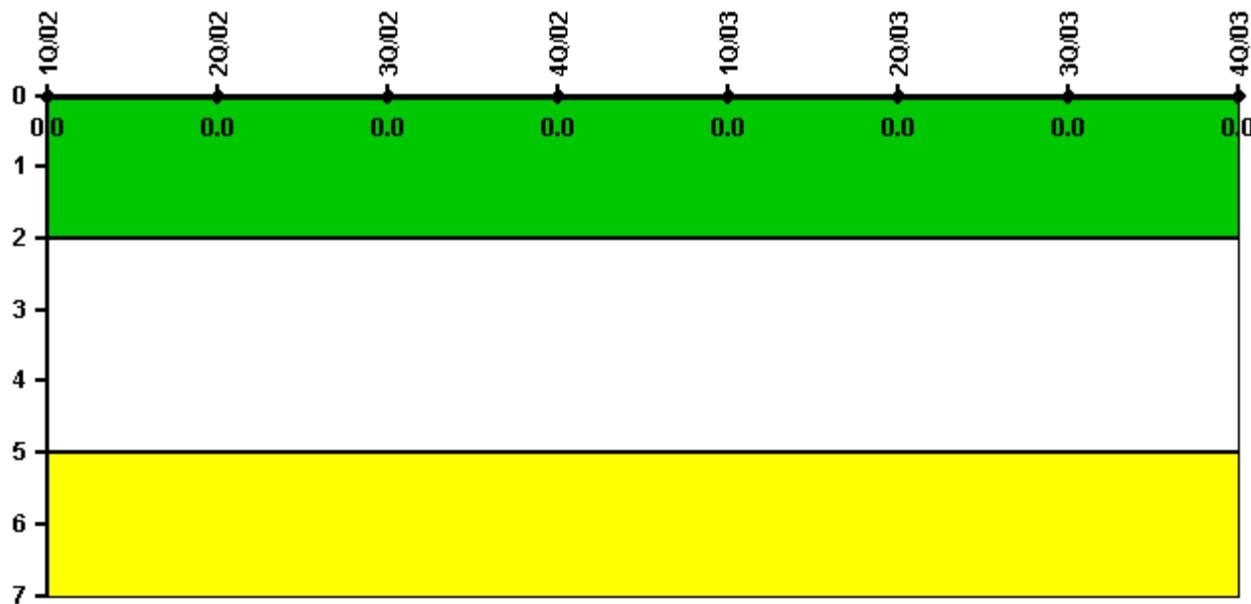


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	50.42	17.83	31.09	123.42	88.04	89.55	146.31	41.04
CCTV compensatory hours	54.4	58.2	106.1	0.6	0.2	44.9	0.3	0
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.004	0.005	0.007	0.008	0.008	0.008	0.008	0.007

Licensee Comments: none

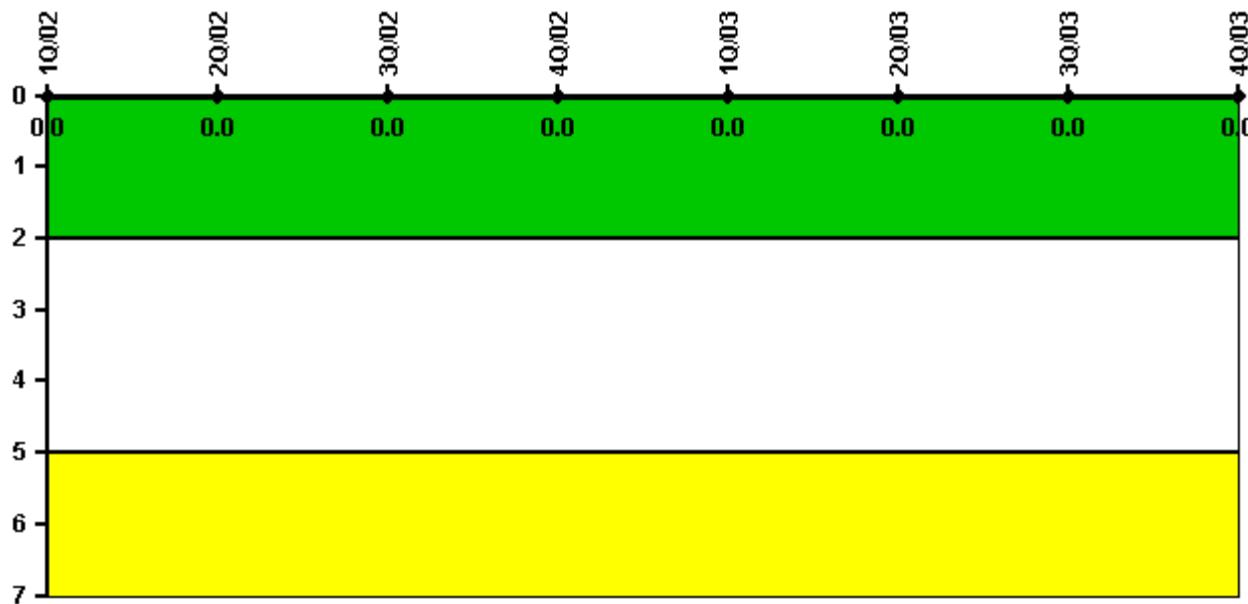
Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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

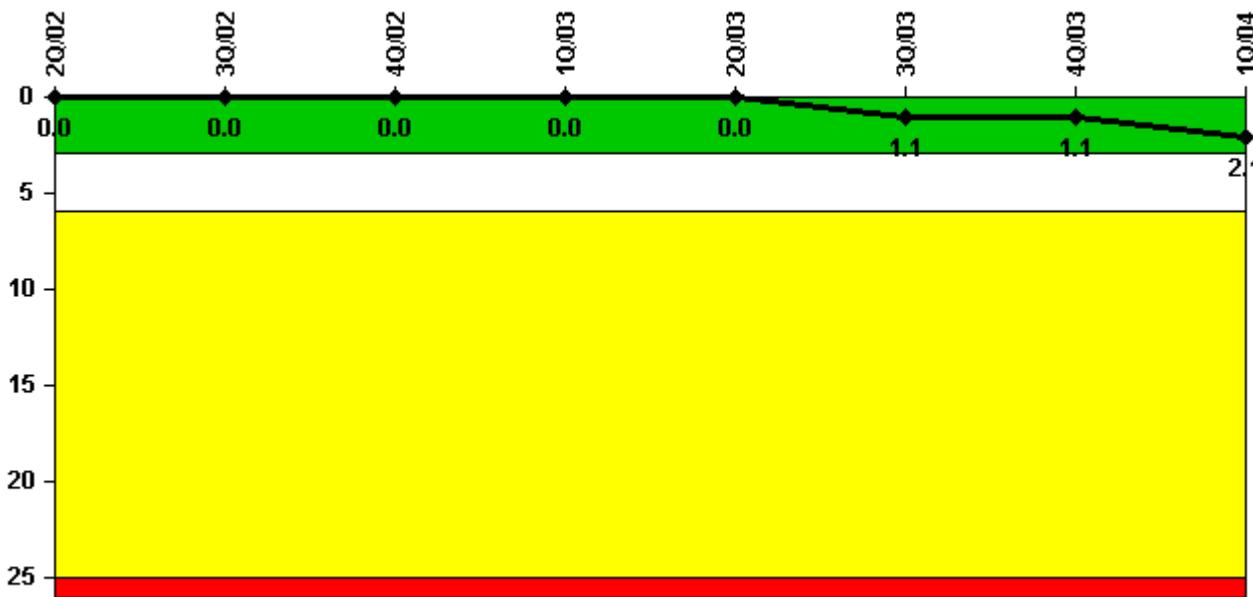
Last Modified: January 23, 2004

Sequoyah 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

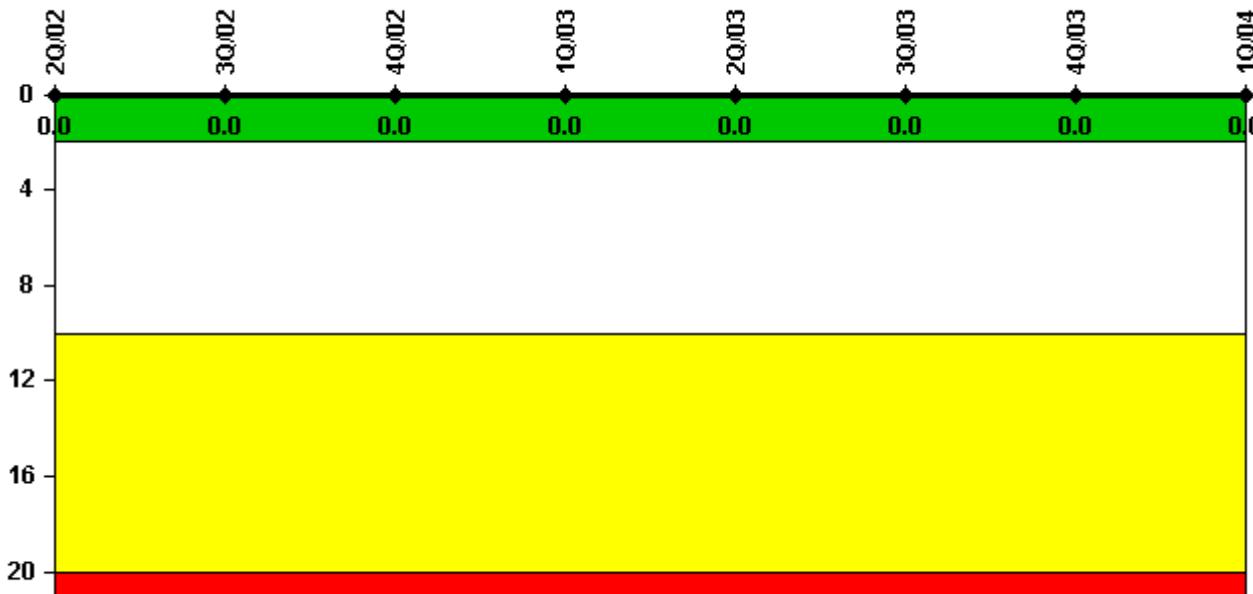


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	1.0	0	1.0
Critical hours	2183.0	2208.0	2209.0	1803.2	381.9	2128.6	2209.0	2090.2
Indicator value	0	0	0	0	0	1.1	1.1	2.1

Licensee Comments: none

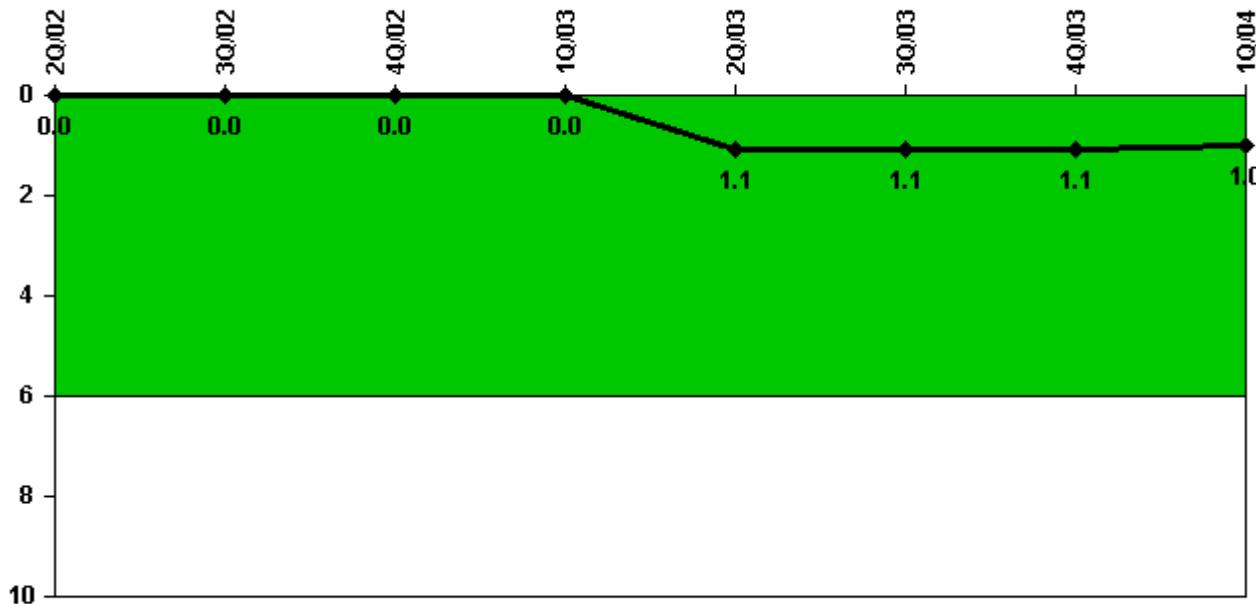
Scrams with Loss of Normal Heat Removal

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

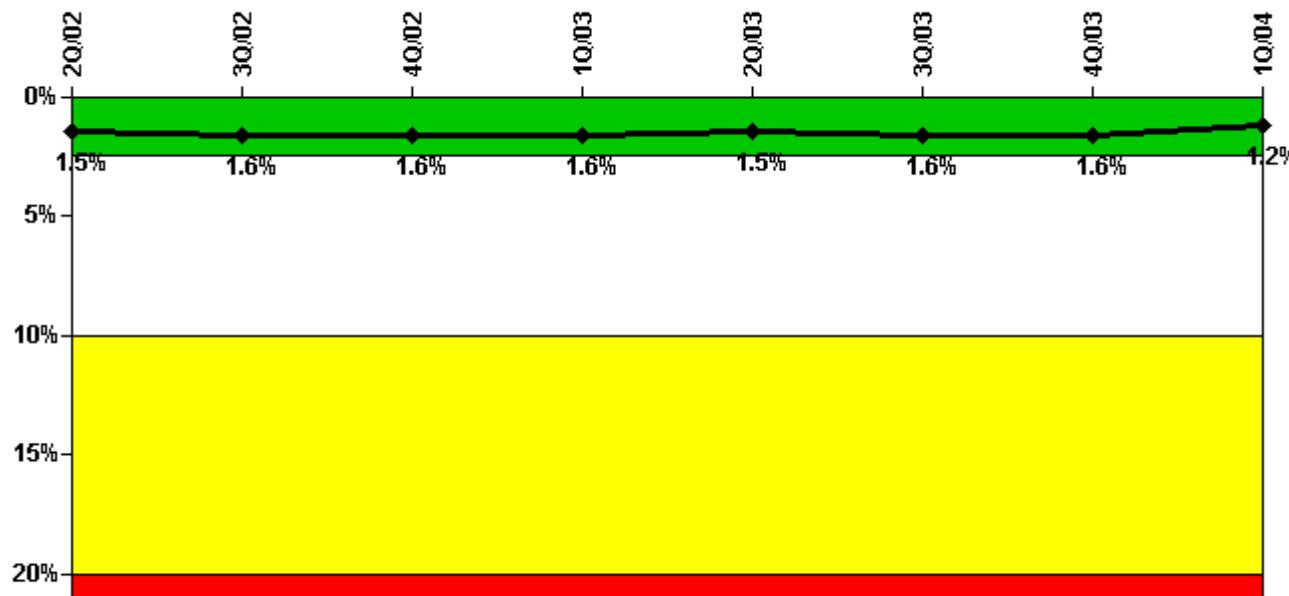
Unplanned Power Changes per 7000 Critical Hrs

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	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1803.2	381.9	2128.6	2209.0	2090.2
Indicator value	0	0	0	0	1.1	1.1	1.1	1.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

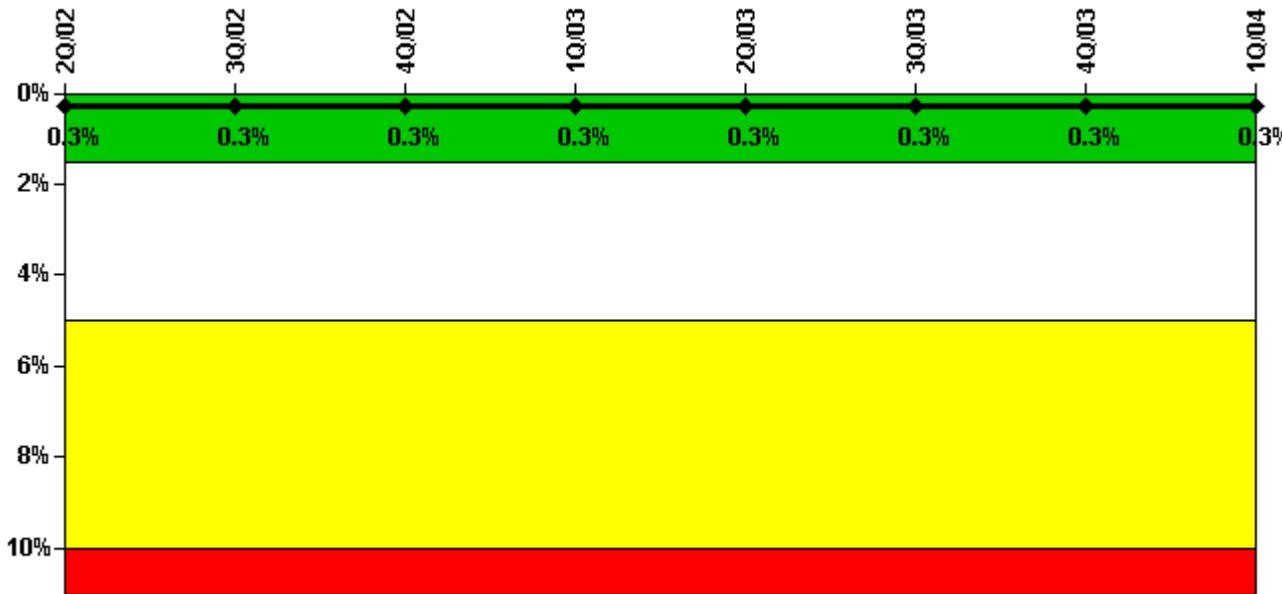
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG		2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1									
Planned unavailable hours		26.38	9.00	6.75	8.32	7.70	57.22	29.95	13.46
Unplanned unavailable hours		0	8.02	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2									
Planned unavailable hours		26.40	12.48	9.20	3.37	3.87	41.53	6.55	10.04
Unplanned unavailable hours		0	3.05	0	0	0	0	0	0
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 3									
Planned unavailable hours		61.87	29.35	4.43	4.02	6.27	51.07	7.35	11.98
Unplanned unavailable hours		5.10	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4									
Planned unavailable hours		23.28	36.57	12.25	4.60	4.63	36.37	10.78	6.80
Unplanned unavailable hours		0	33.72	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value		1.5%	1.6%	1.6%	1.6%	1.5%	1.6%	1.6%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



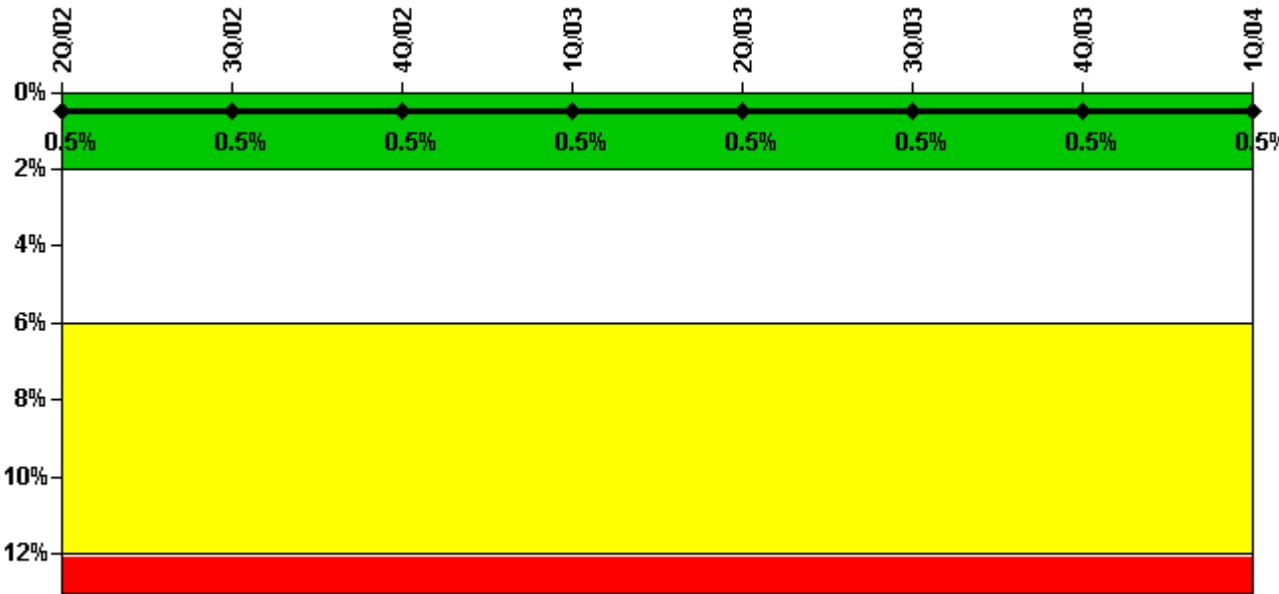
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)								
	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	2.80	9.10	2.10	1.80	0	2.60	24.70	3.50
Unplanned unavailable hours	0	45.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1815.40	451.30	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	2.70	10.20	1.10	1.20	0	3.20	7.70	1.30
Unplanned unavailable hours	0	2.30	0	0	0	0	7.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1815.40	451.30	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	15.90	3.50	2.10	2.60	0	11.20	2.00	12.60
Unplanned unavailable hours	0	2.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1810.20	432.00	2208.00	2209.00	2184.00
Train 4								
Planned unavailable hours	4.70	11.50	1.60	1.20	0	3.20	2.50	8.40
Unplanned unavailable hours	0	2.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1810.20	432.00	2208.00	2209.00	2184.00
Indicator value	0.3%							

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



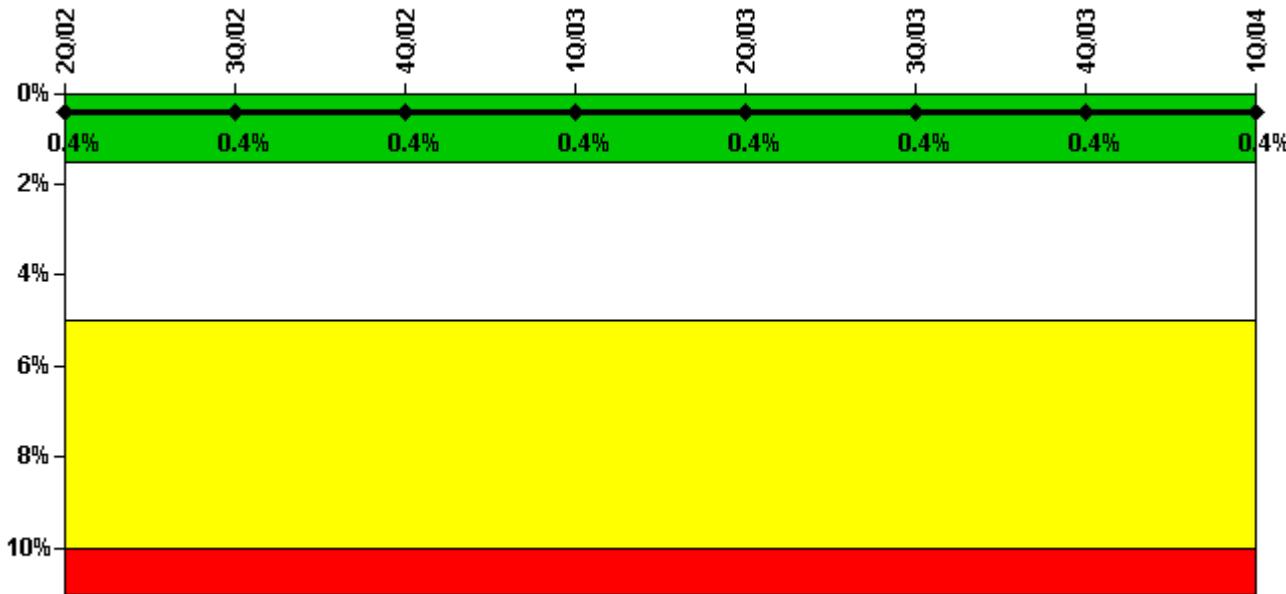
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	9.45	11.31	2.80	39.35	0	5.86	2.91	15.25
Unplanned unavailable hours	0	2.17	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1810.20	451.30	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	3.23	15.86	17.45	2.12	0.30	4.08	6.47	8.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1815.44	432.00	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	6.97	1.69	12.40	28.91	5.20	5.77	11.09	9.10
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	2183.00	2208.00	2209.00	1810.20	394.50	2208.00	2209.00	2184.00
Indicator value	0.5%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

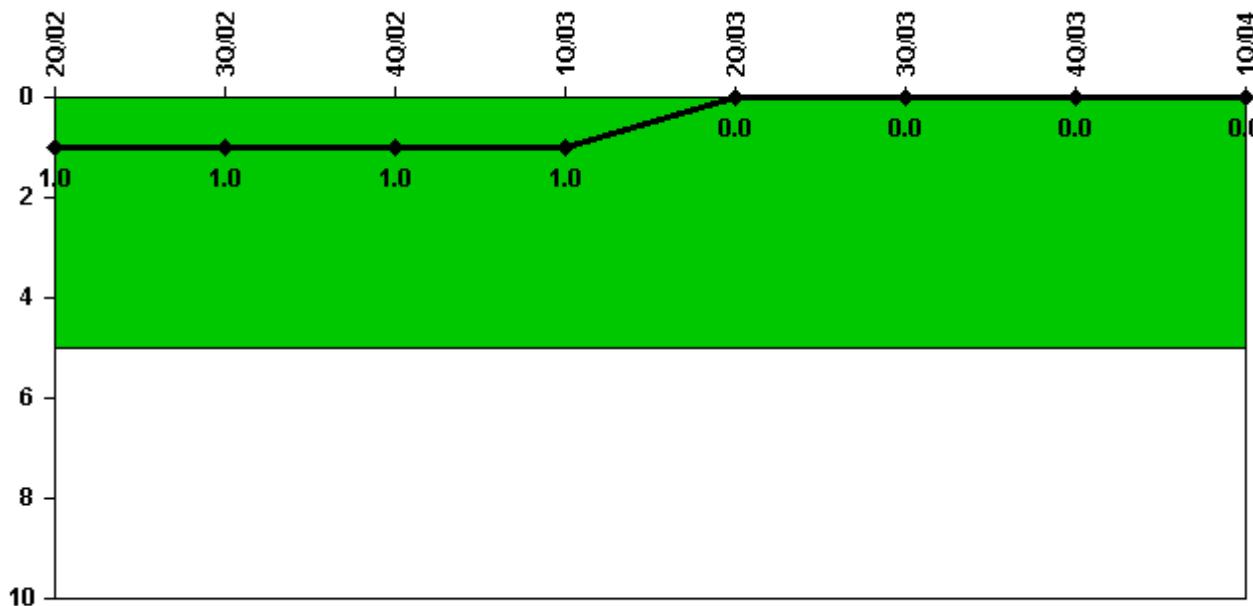


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System								
	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	12.90	2.60	2.10	3.60	2.20	2.50	2.00	7.30
Unplanned unavailable hours	0	16.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1987.00	782.50	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	6.90	14.80	1.40	4.10	2.20	4.10	43.40	1.30
Unplanned unavailable hours	0	2.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1987.00	782.50	2208.00	2209.00	2184.00
Indicator value	0.4%							

Licensee Comments: none

Safety System Functional Failures (PWR)

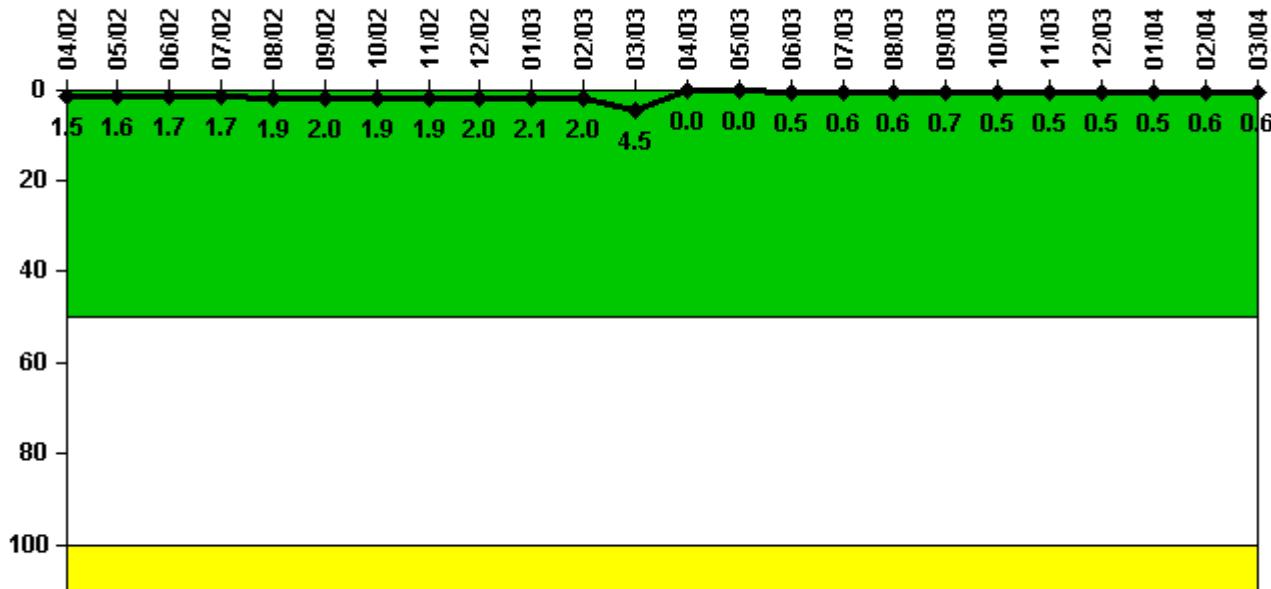
Thresholds: White > 5.0

Notes

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

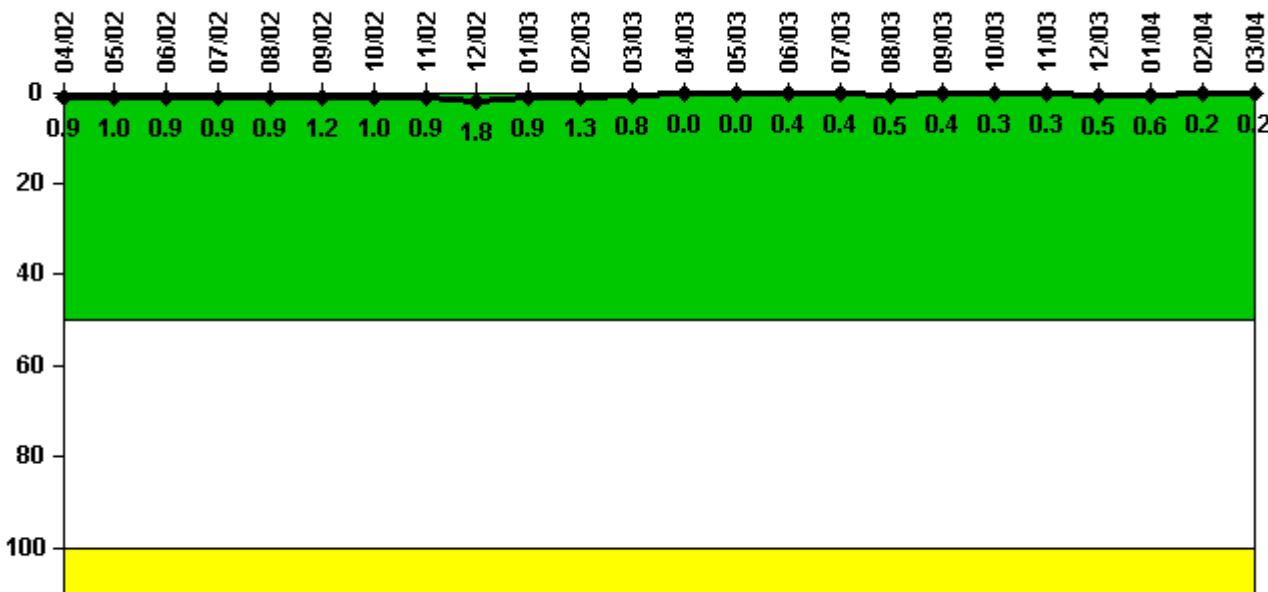
Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.003870	0.003990	0.004320	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010	0.005200	0.005020	0.011300
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.5	1.6	1.7	1.7	1.9	2.0	1.9	1.9	2.0	2.1	2.0	4.5

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	0	0.001350	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810	0.001910	0.001950	0.001950
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0.5	0.6	0.6	0.7	0.5	0.5	0.5	0.5	0.6	0.6

Licensee Comments: none

Reactor Coolant System Leakage



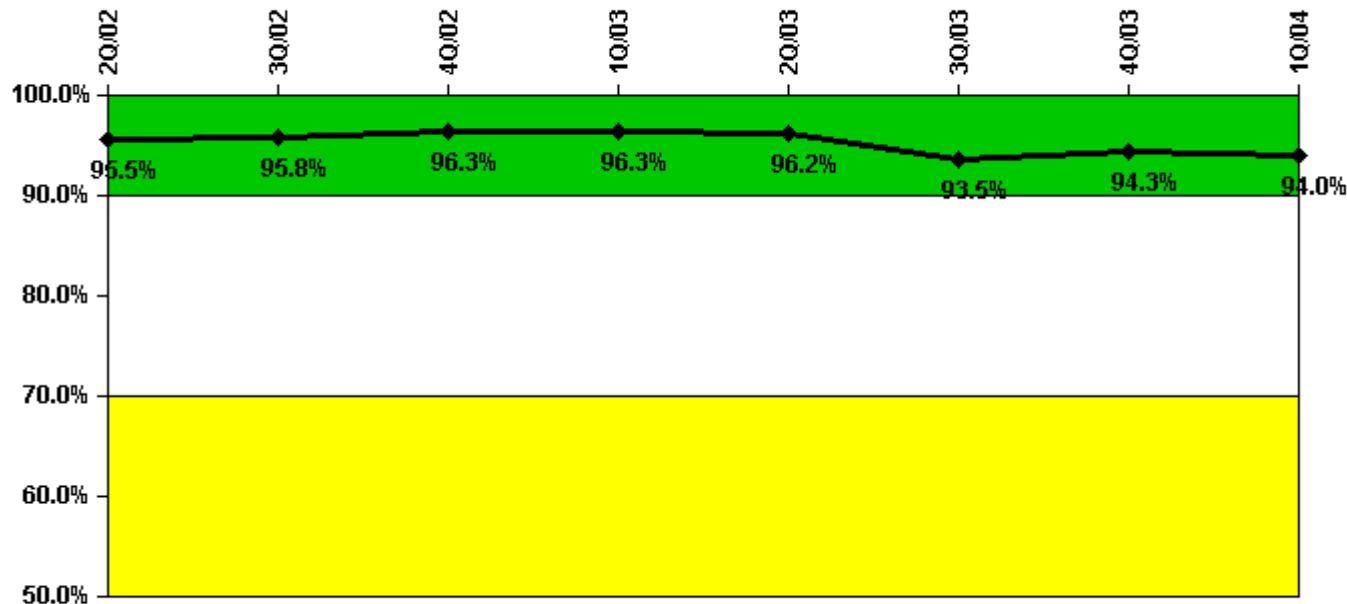
Thresholds: White > 50.0 Yellow > 100.0

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	0.090	0.100	0.090	0.090	0.090	0.120	0.100	0.090	0.180	0.090	0.130	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.0	0.9	0.9	0.9	1.2	1.0	0.9	1.8	0.9	1.3	0.8

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	0	0.040	0.040	0.050	0.040	0.030	0.030	0.050	0.060	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0.4	0.4	0.5	0.4	0.3	0.3	0.5	0.6	0.2	0.2

Licensee Comments: none

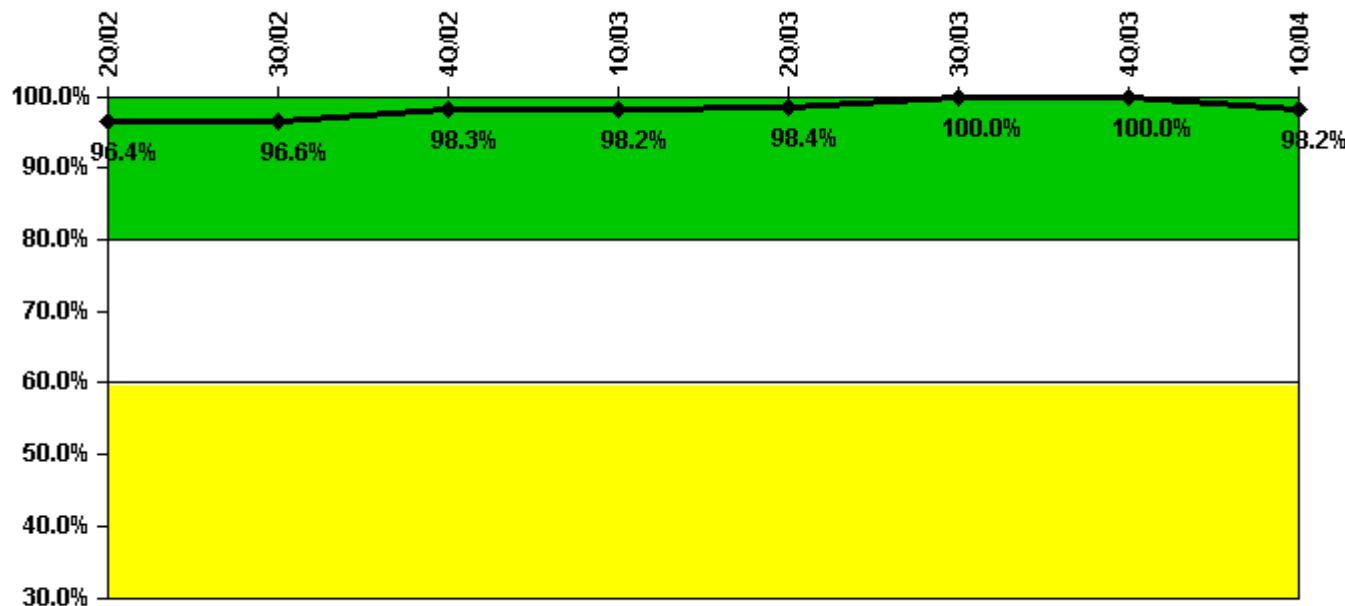
Drill/Exercise Performance

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	10.0	9.0	58.0	0	0	38.0	35.0	6.0
Total opportunities	10.0	10.0	58.0	0	0	44.0	38.0	6.0
Indicator value	95.5%	95.8%	96.3%	96.3%	96.2%	93.5%	94.3%	94.0%

Licensee Comments: none

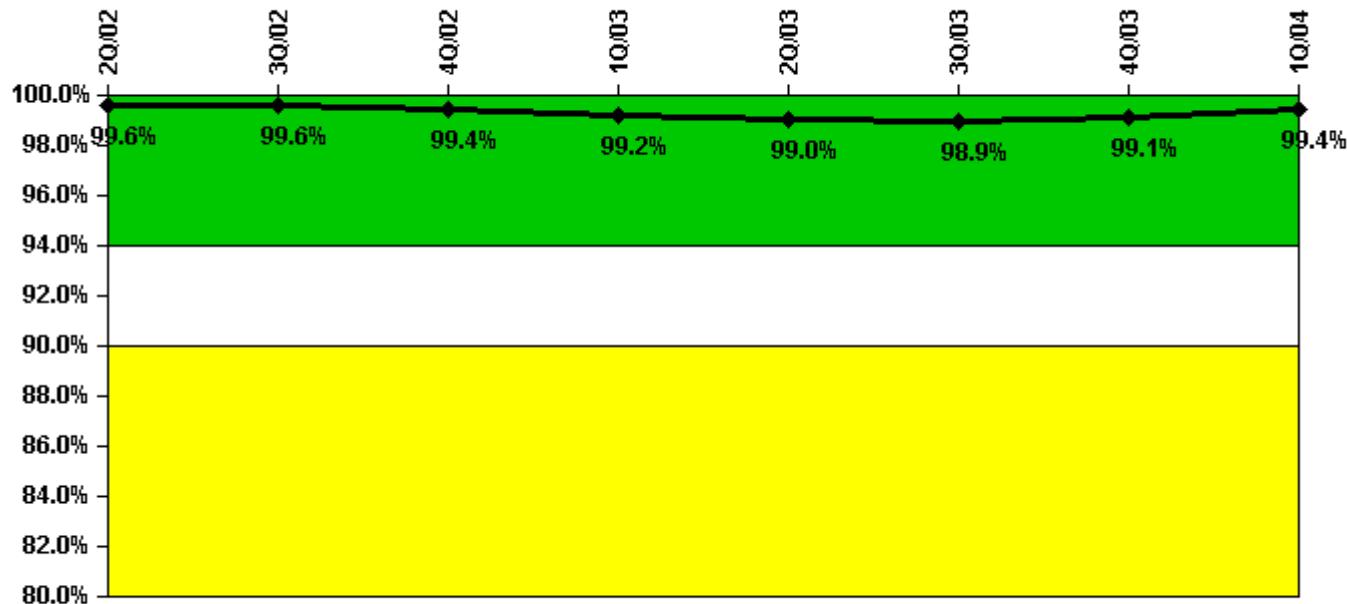
ERO Drill Participation

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	54.0	56.0	57.0	56.0	62.0	62.0	63.0	56.0
Total Key personnel	56.0	58.0	58.0	57.0	63.0	62.0	63.0	57.0
Indicator value	96.4%	96.6%	98.3%	98.2%	98.4%	100.0%	100.0%	98.2%

Licensee Comments: none

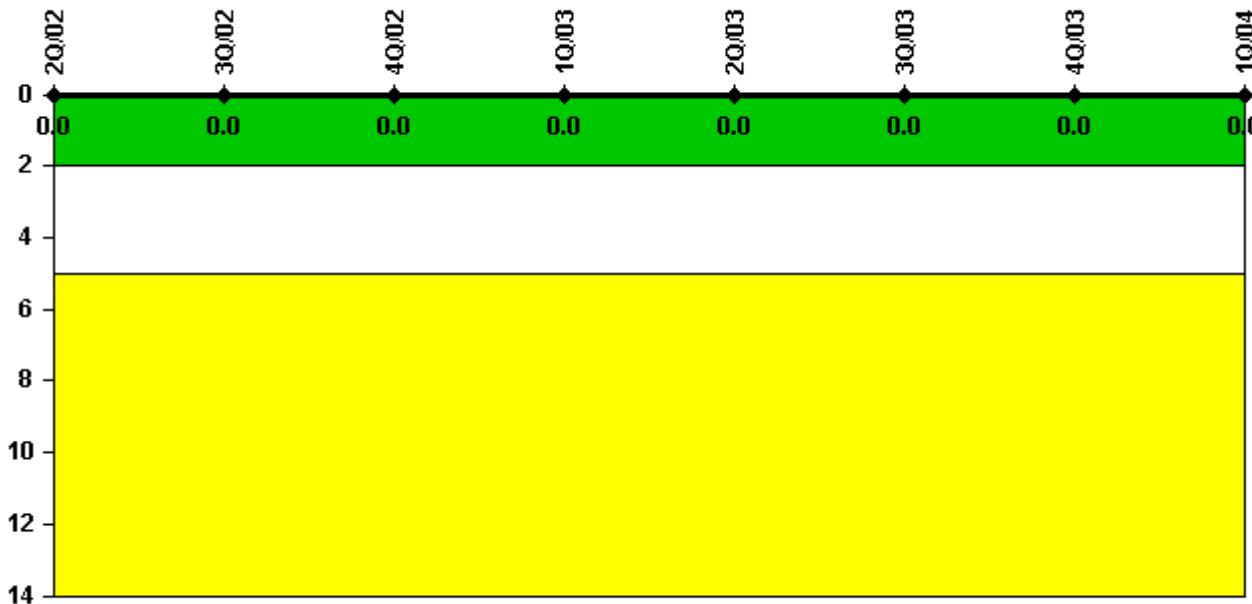
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	968	753	962	746	961	855	971	756
Total sirens-tests	972	756	972	756	972	864	972	756
Indicator value	99.6%	99.6%	99.4%	99.2%	99.0%	98.9%	99.1%	99.4%

Licensee Comments: none

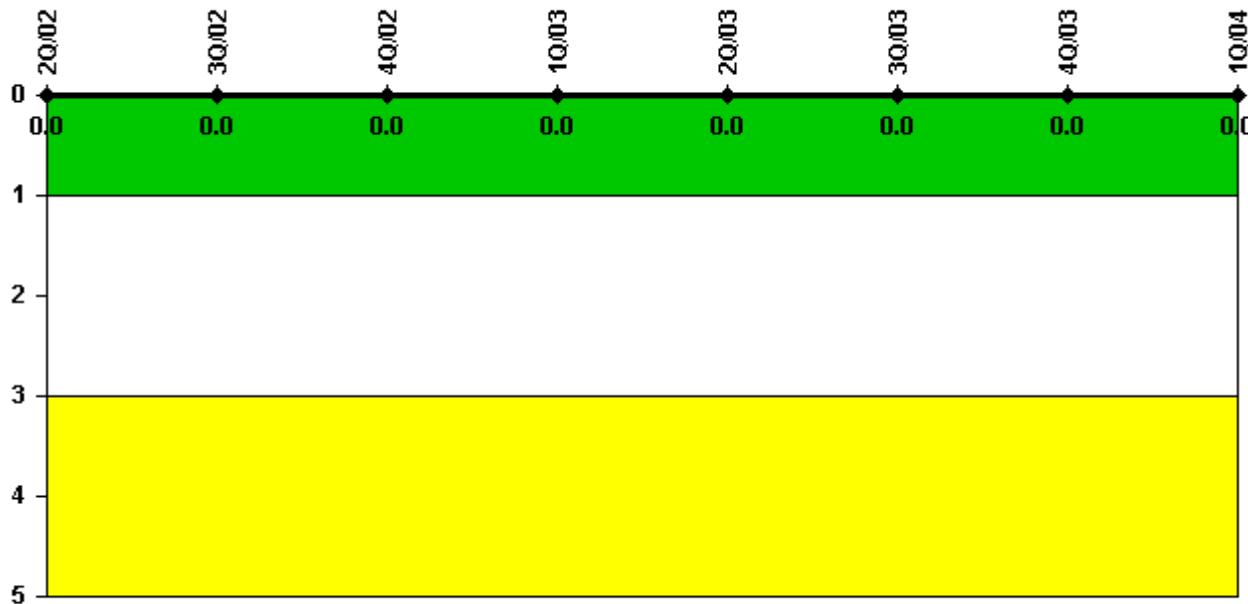
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

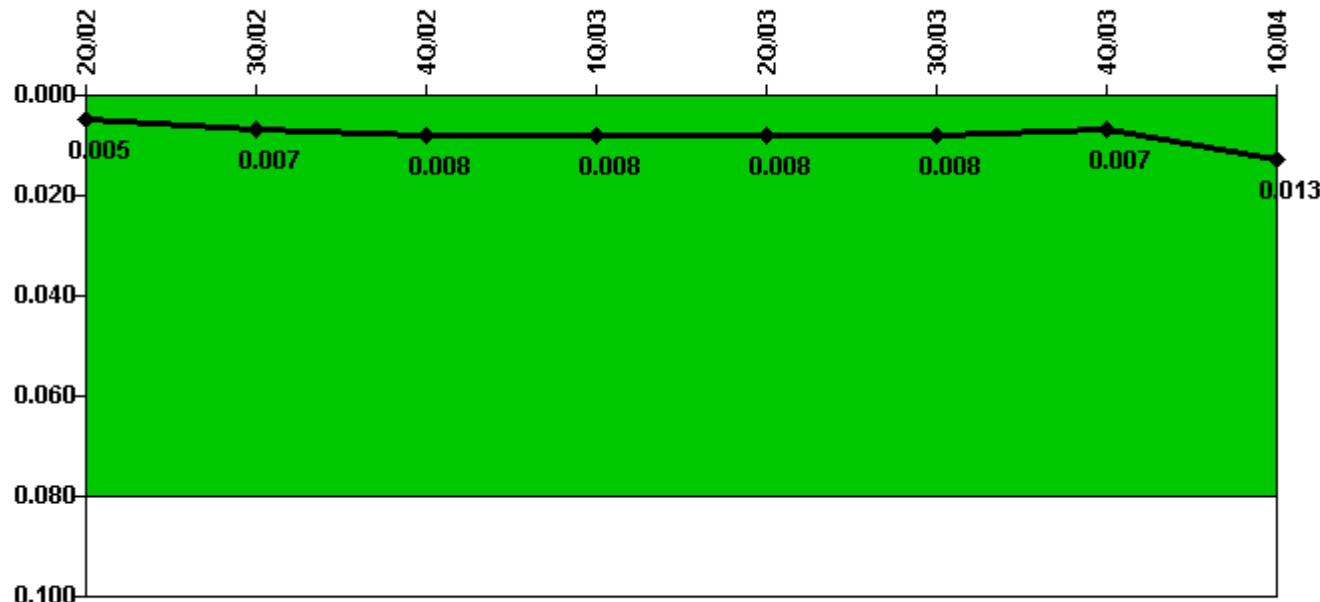
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

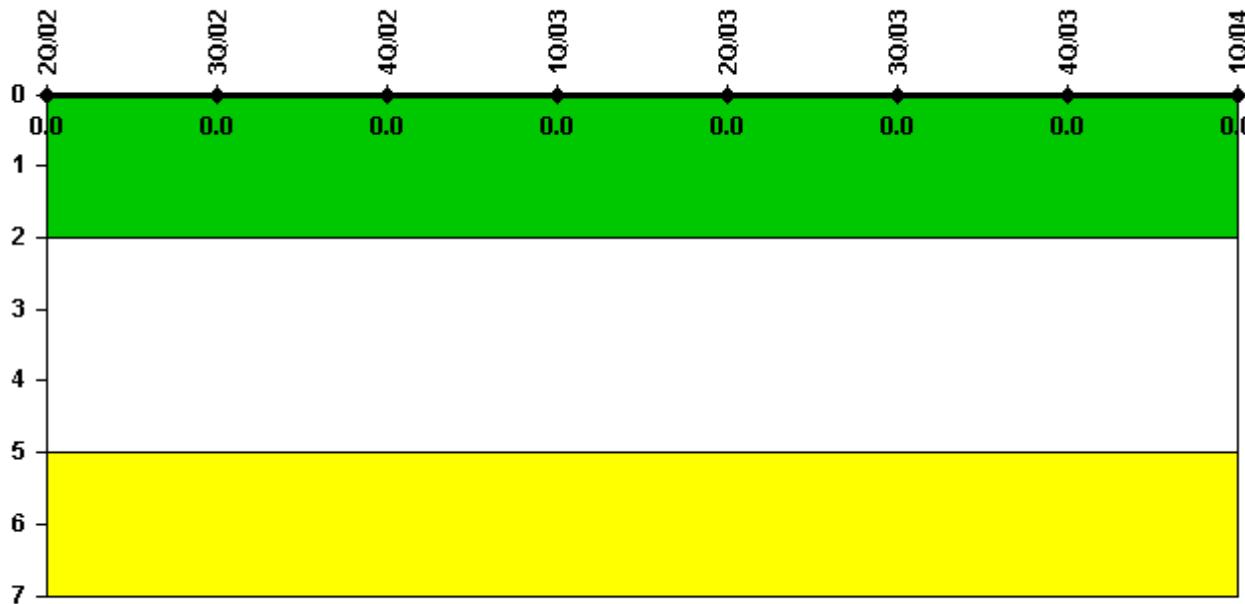


Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	17.83	31.09	123.42	88.04	89.55	146.31	41.04	57.90
CCTV compensatory hours	58.2	106.1	0.6	0.2	44.9	0.3	0	338.3
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.005	0.007	0.008	0.008	0.008	0.008	0.007	0.013

Licensee Comments: none

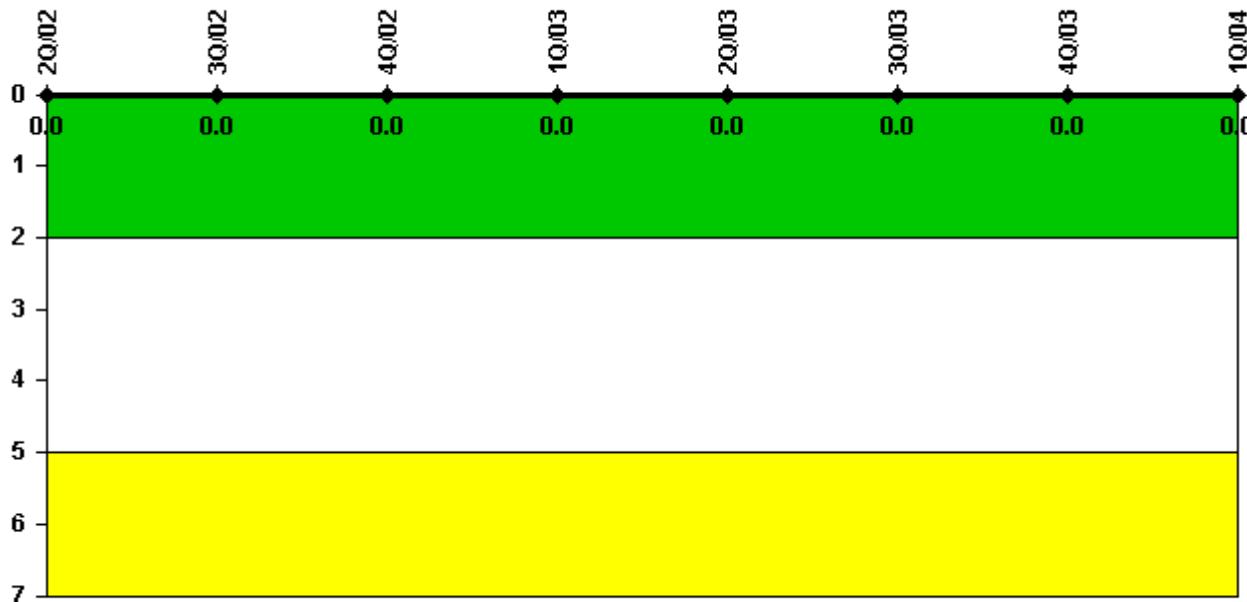
Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

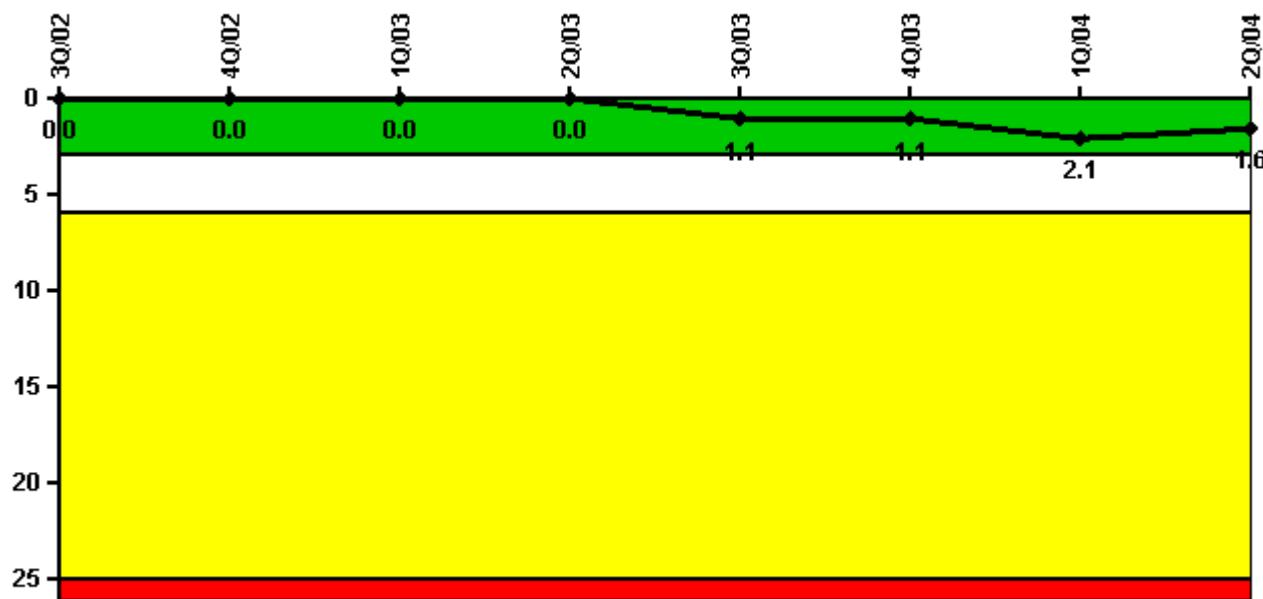


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Last Modified: April 22, 2004

Sequoyah 1**2Q/2004 Performance Indicators**

Licensee's General Comments: none

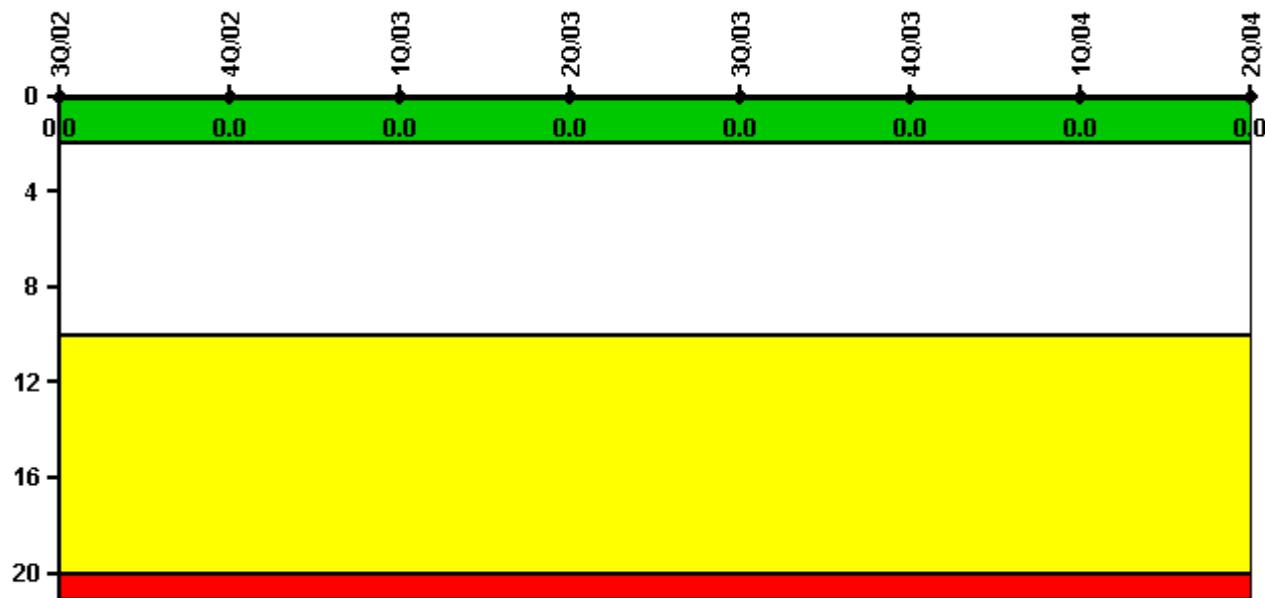
Unplanned Scrams per 7000 Critical Hrs

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	0	0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	1803.2	381.9	2128.6	2209.0	2090.2	2183.0
Indicator value	0	0	0	0	1.1	1.1	2.1	1.6

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

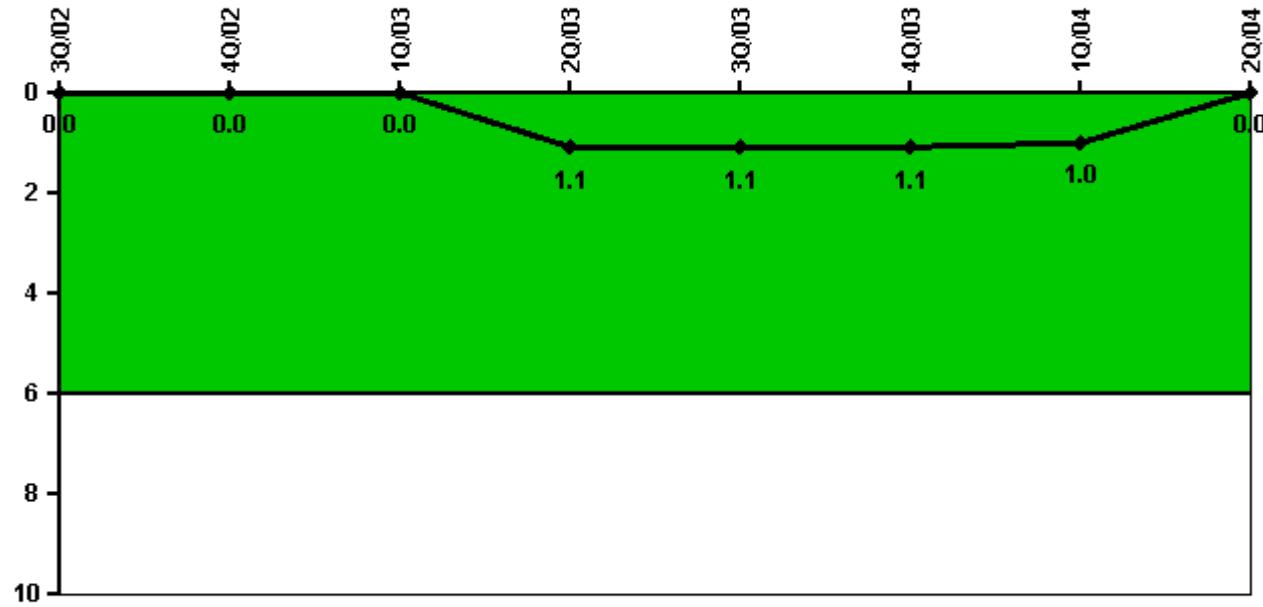
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



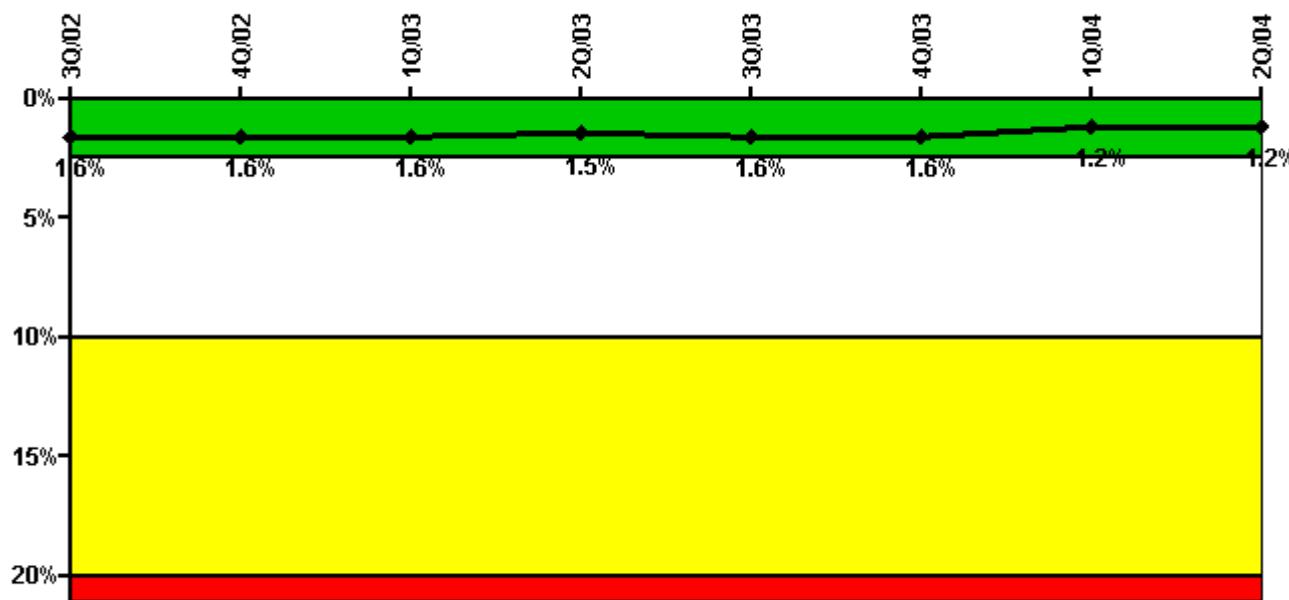
Thresholds: White > 6.0

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1803.2	381.9	2128.6	2209.0	2090.2	2183.0
Indicator value	0	0	0	1.1	1.1	1.1	1.0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

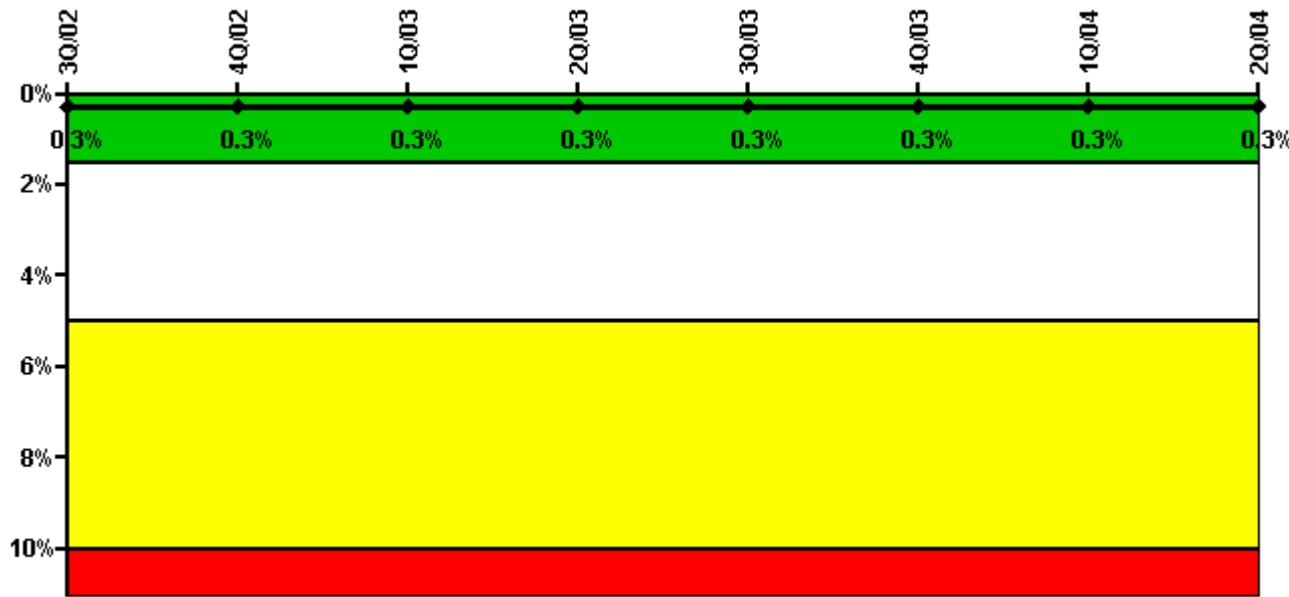


Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	9.00	6.75	8.32	7.70	57.21	29.95	13.46	7.18
Unplanned unavailable hours	8.02	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	12.48	9.20	3.37	3.87	41.53	6.55	10.04	6.17
Unplanned unavailable hours	3.05	0	0	0	0	0	0	0
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 3								
Planned unavailable hours	29.35	4.43	4.02	6.27	51.06	7.35	11.98	5.02
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	2184.00	2183.00
Train 4								
Planned unavailable hours	36.57	12.25	4.60	4.63	36.36	10.78	6.80	6.22
Unplanned unavailable hours	33.72	0	0	0	0.62	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	1.6%	1.6%	1.6%	1.5%	1.6%	1.6%	1.2%	1.2%

Safety System Unavailability, High Pressure Injection System (HPSI)



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

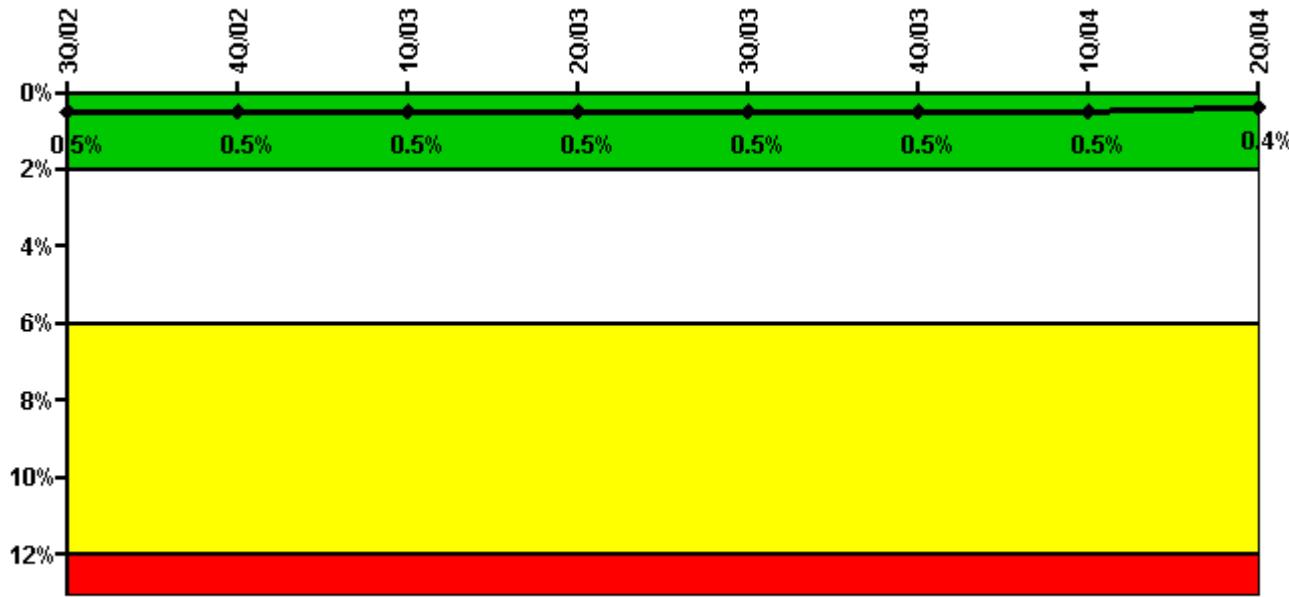
Notes

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	9.10	2.10	1.80	0	2.60	24.70	3.50	3.40
Unplanned unavailable hours	45.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1815.40	451.30	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	10.20	1.10	1.20	0	3.20	7.70	1.30	2.30
Unplanned unavailable hours	2.30	0	0	0	0	7.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1815.40	451.30	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	3.50	2.10	2.60	0	11.20	2.00	12.60	2.40
Unplanned unavailable hours	2.20	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1810.20	432.00	2208.00	2209.00	2184.00	2183.00
Train 4								
Planned unavailable hours	11.50	1.60	1.20	0	3.20	2.50	8.40	2.60
Unplanned unavailable hours	2.30	0	0	0	0	0	0	4.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1810.20	432.00	2208.00	2209.00	2184.00	2183.00

Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
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Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

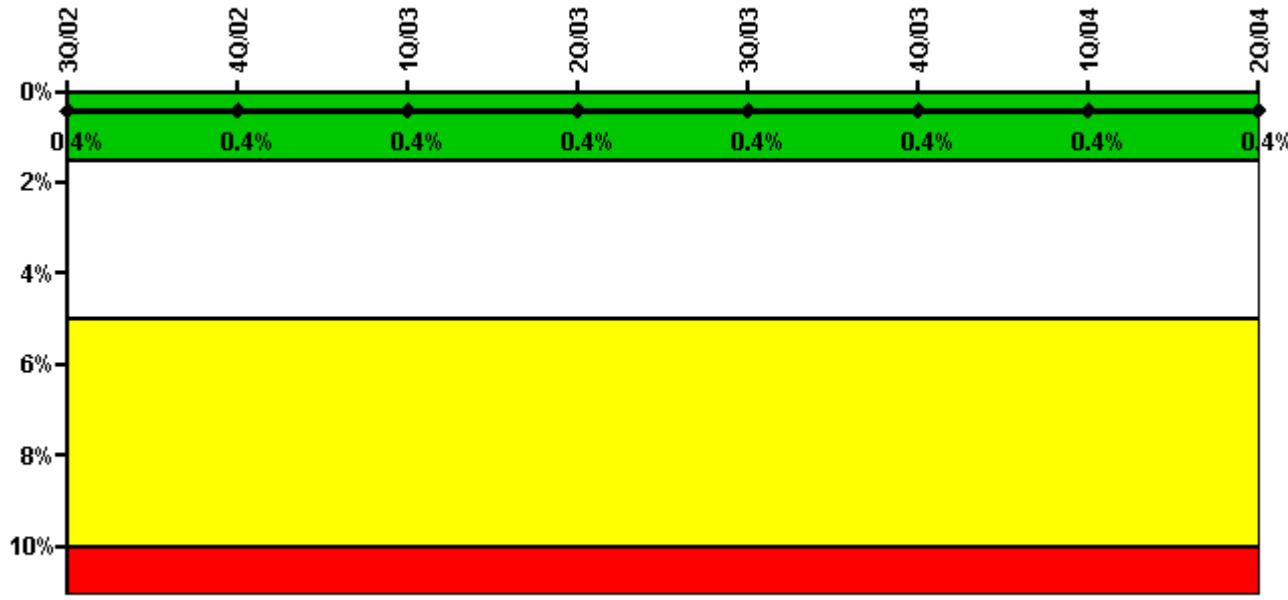
Notes

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	11.31	2.80	39.35	0	5.86	2.91	15.25	2.88
Unplanned unavailable hours	2.17	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1810.20	451.30	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	15.86	17.45	2.12	0.30	4.08	6.47	8.45	3.11
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1815.44	432.00	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	1.69	12.40	28.91	5.20	5.77	11.09	9.10	5.83
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	2208.00	2209.00	1810.20	394.50	2208.00	2209.00	2184.00	2183.00

Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%
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Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

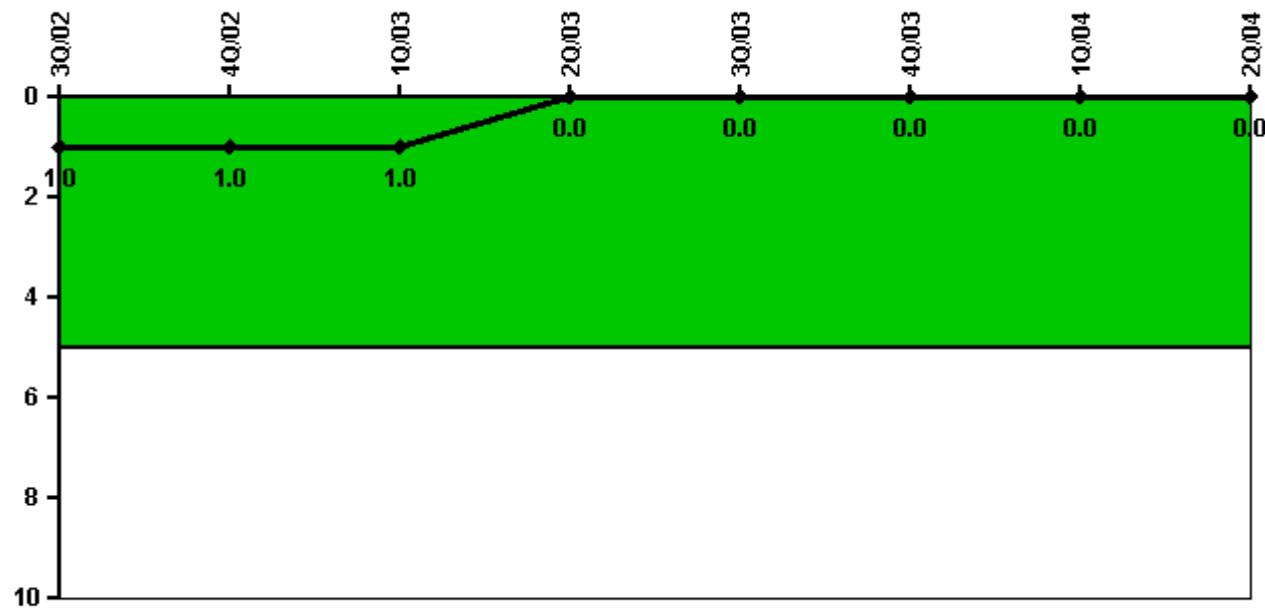


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	2.60	2.10	3.60	2.20	2.50	2.00	7.30	3.70
Unplanned unavailable hours	16.60	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1987.00	782.50	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	14.80	1.40	4.10	2.20	4.10	43.40	1.30	2.30
Unplanned unavailable hours	2.30	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1987.00	782.50	2208.00	2209.00	2184.00	2183.00
Indicator value	0.4%							

Licensee Comments: none

Safety System Functional Failures (PWR)

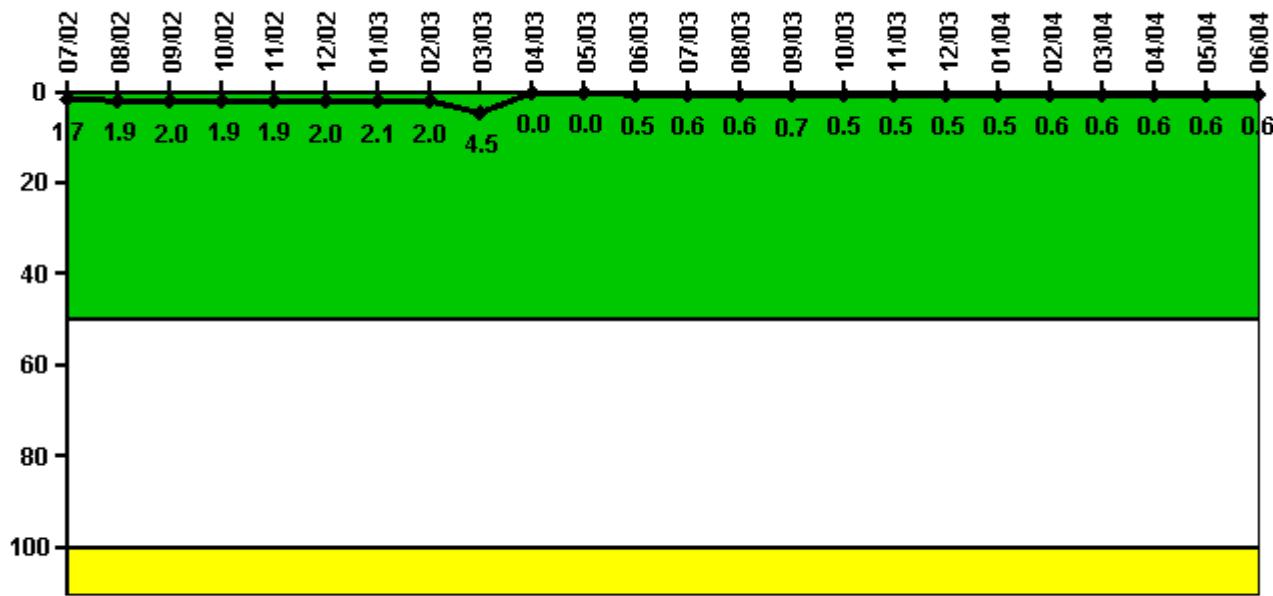
Thresholds: White > 5.0

Notes

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

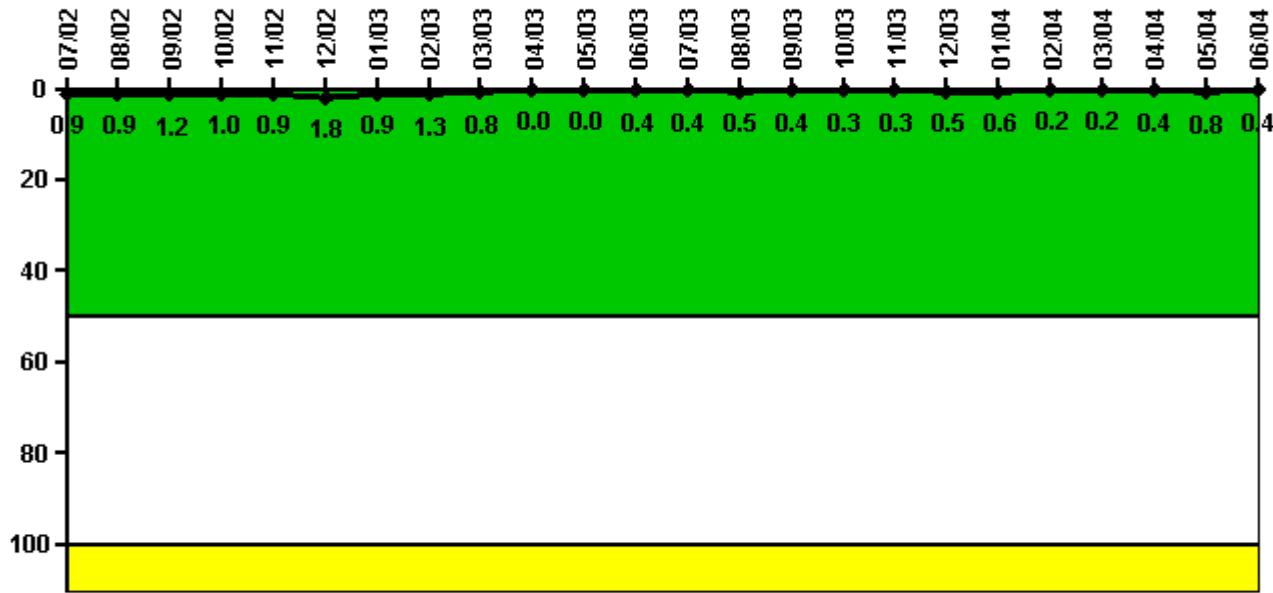
Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.004360	0.004750	0.004970	0.004660	0.004800	0.005010	0.005200	0.005020	0.011300	0	0	0.001350
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	1.7	1.9	2.0	1.9	1.9	2.0	2.1	2.0	4.5	0	0	0.5

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	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810	0.001910	0.001950	0.001950	0.001950	0.002000	0.002140
Technical specification limit	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.7	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

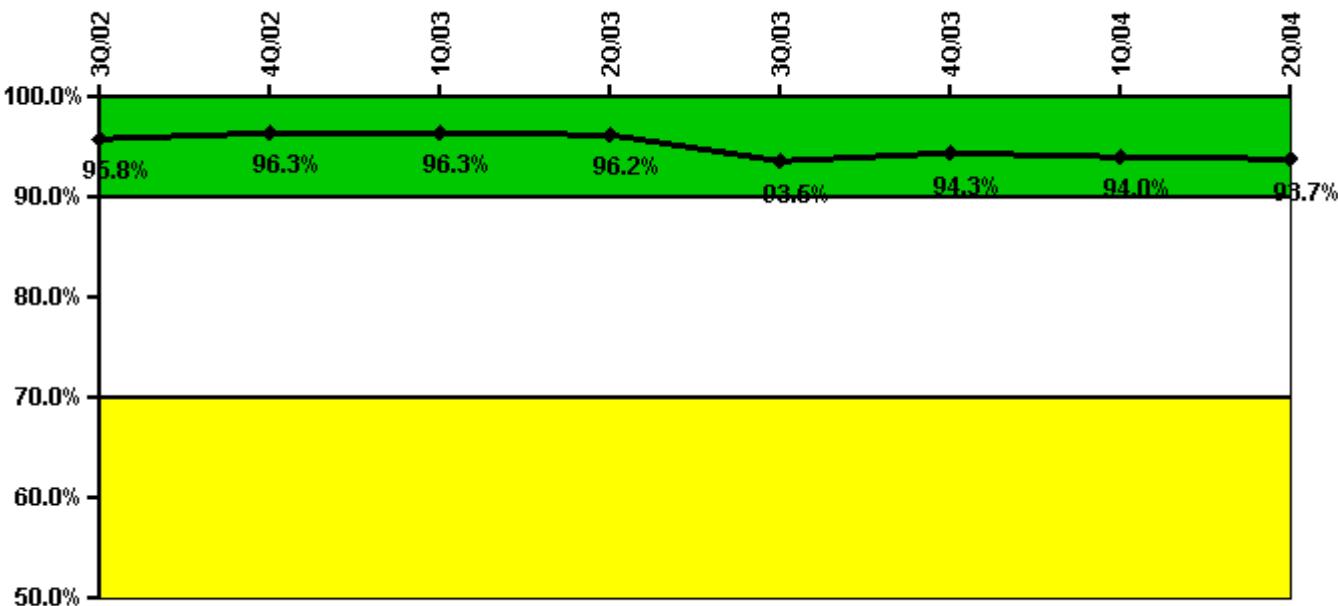
Notes

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	0.090	0.090	0.120	0.100	0.090	0.180	0.090	0.130	0.080	0	0	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.2	1.0	0.9	1.8	0.9	1.3	0.8	0	0	0.4

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.040	0.050	0.040	0.030	0.030	0.050	0.060	0.020	0.020	0.040	0.080	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.5	0.4	0.3	0.3	0.5	0.6	0.2	0.2	0.4	0.8	0.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

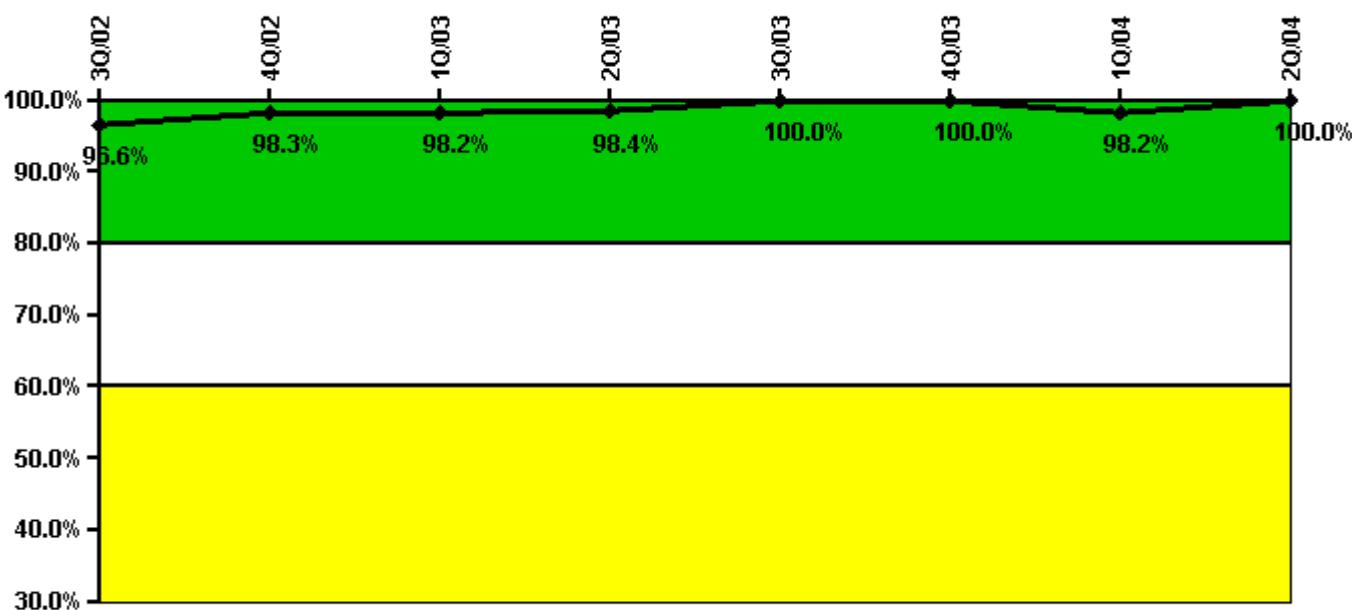
Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	9.0	58.0	0	0	38.0	35.0	6.0	17.0
Total opportunities	10.0	58.0	0	0	44.0	38.0	6.0	18.0
Indicator value	95.8%	96.3%	96.3%	96.2%	93.5%	94.3%	94.0%	93.7%

Licensee Comments:

3Q/03: FAQ submitted (PER FAQ 338) concerning inconsistent marking of "Drill"/"Actual" due to change of expectations and incomplete implementation of change.

ERO Drill Participation



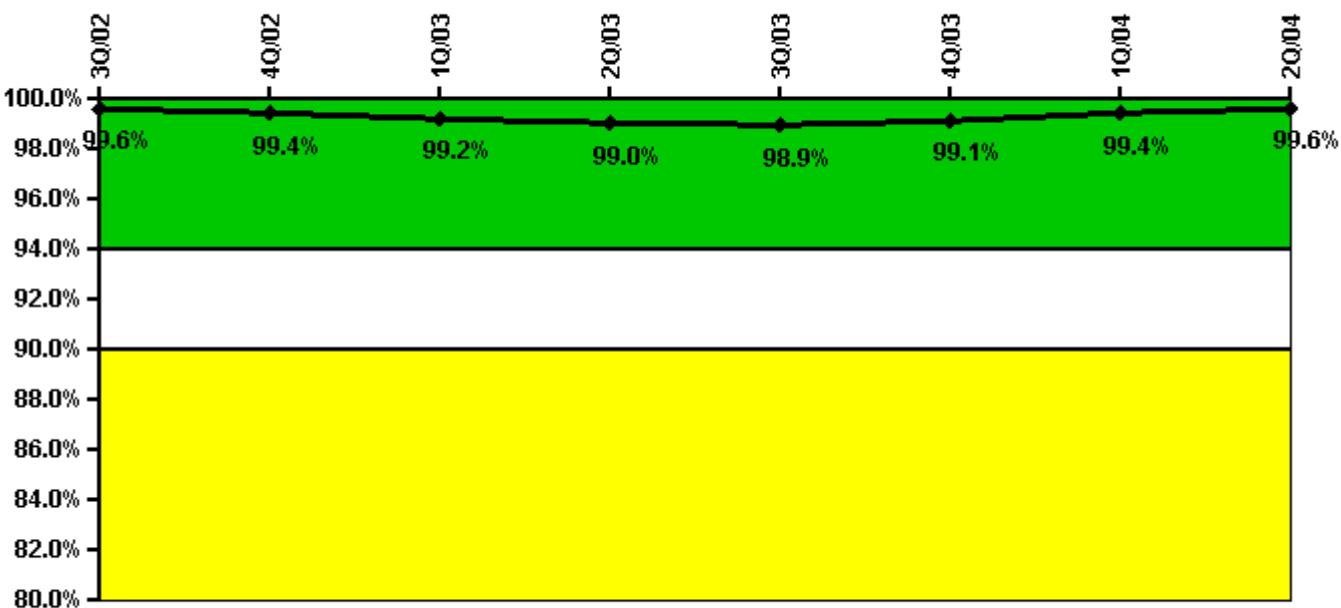
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	56.0	57.0	56.0	62.0	62.0	63.0	56.0	57.0
Total Key personnel	58.0	58.0	57.0	63.0	62.0	63.0	57.0	57.0
Indicator value	96.6%	98.3%	98.2%	98.4%	100.0%	100.0%	98.2%	100.0%

Licensee Comments: none

Alert & Notification System



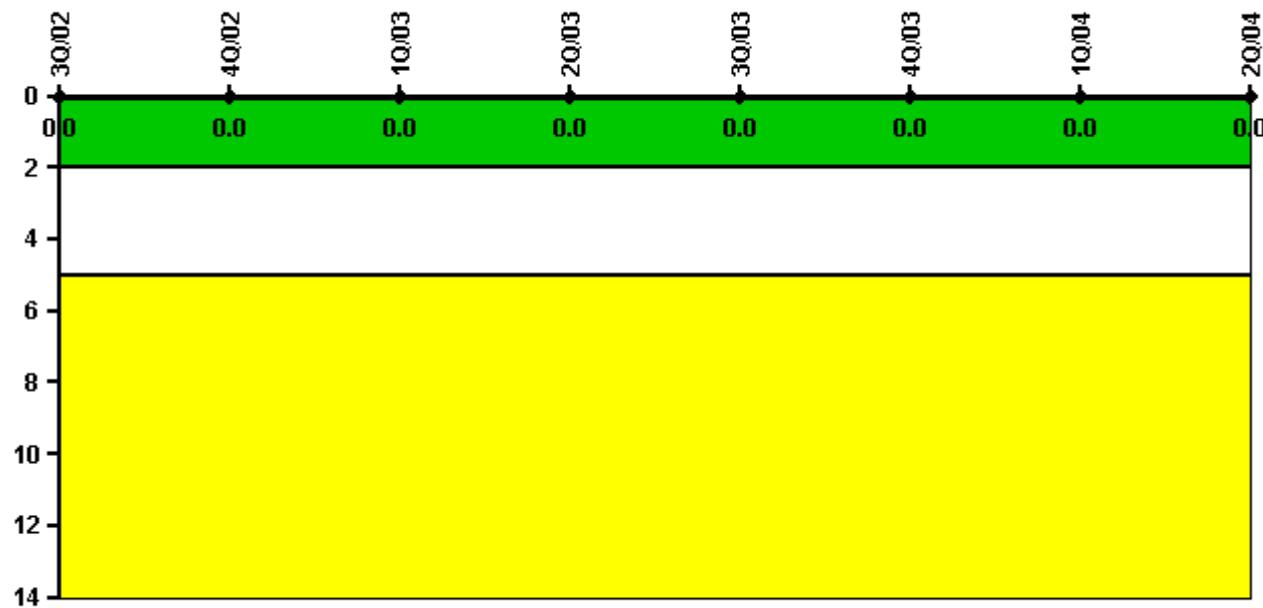
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	753	962	746	961	855	971	756	966
Total sirens-tests	756	972	756	972	864	972	756	972
Indicator value	99.6%	99.4%	99.2%	99.0%	98.9%	99.1%	99.4%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness

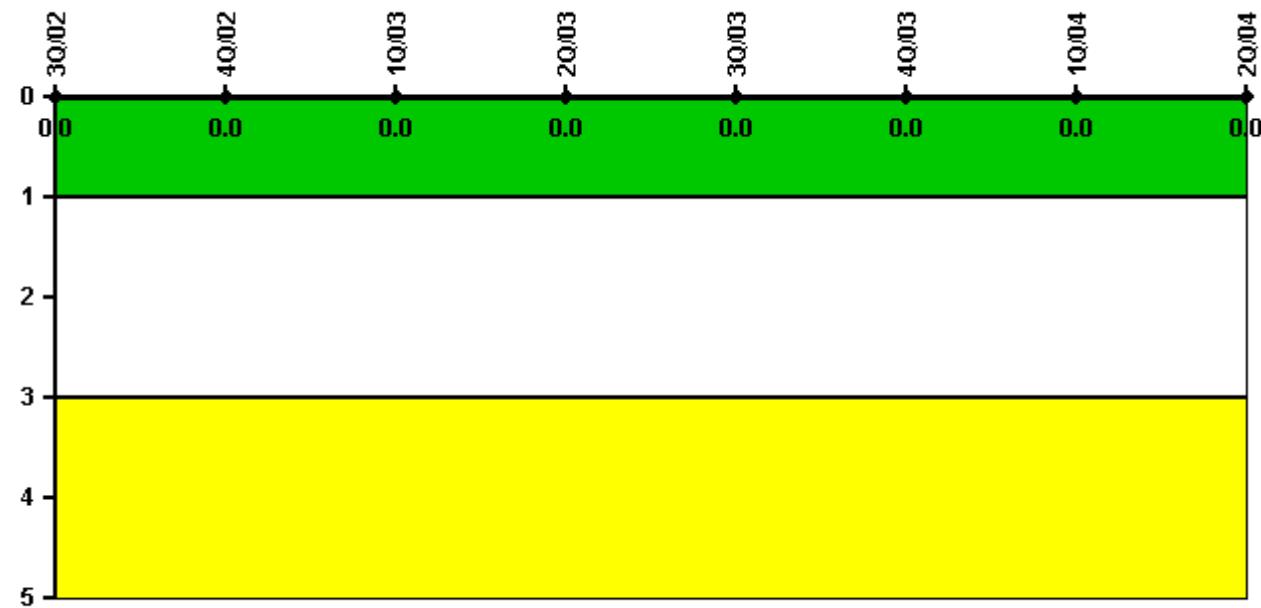


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	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](#)

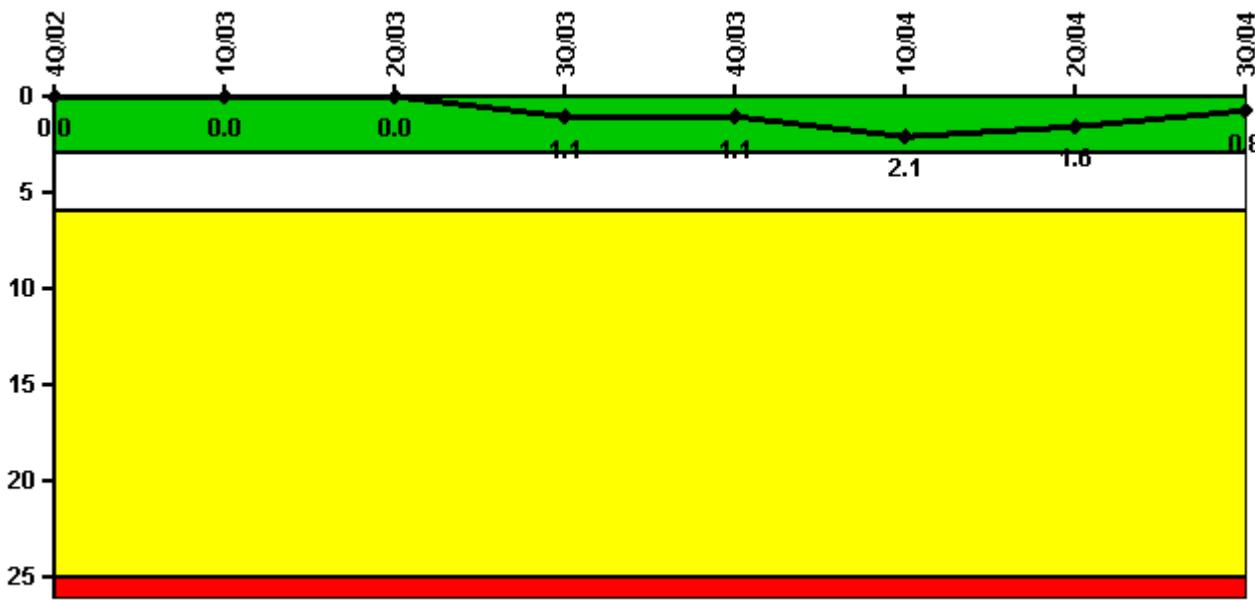
Last Modified: September 8, 2004

Sequoyah 1

3Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

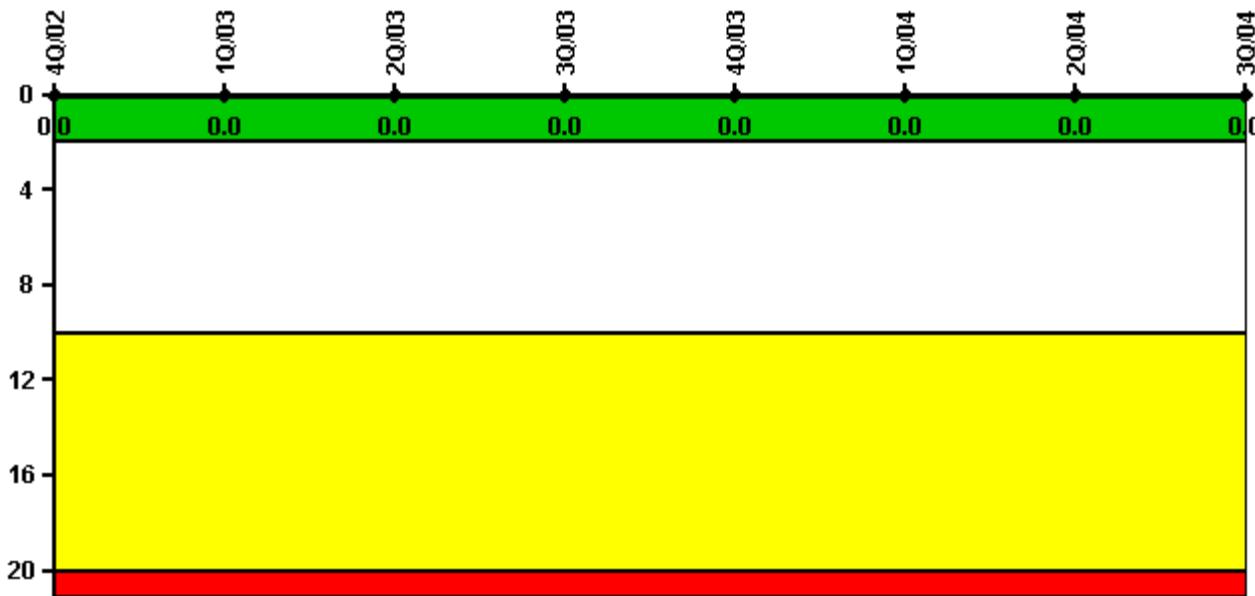


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	1.0	0	1.0	0	0
Critical hours	2209.0	1803.2	381.9	2128.6	2209.0	2090.2	2183.0	2208.0
Indicator value	0	0	0	1.1	1.1	2.1	1.6	0.8

Licensee Comments: none

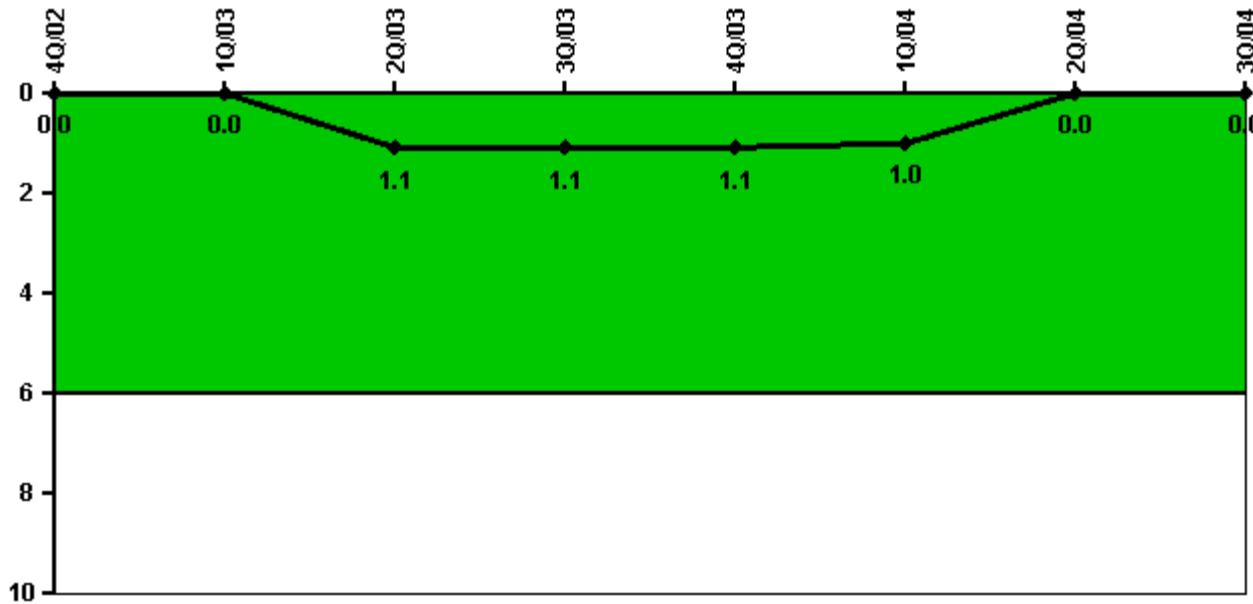
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

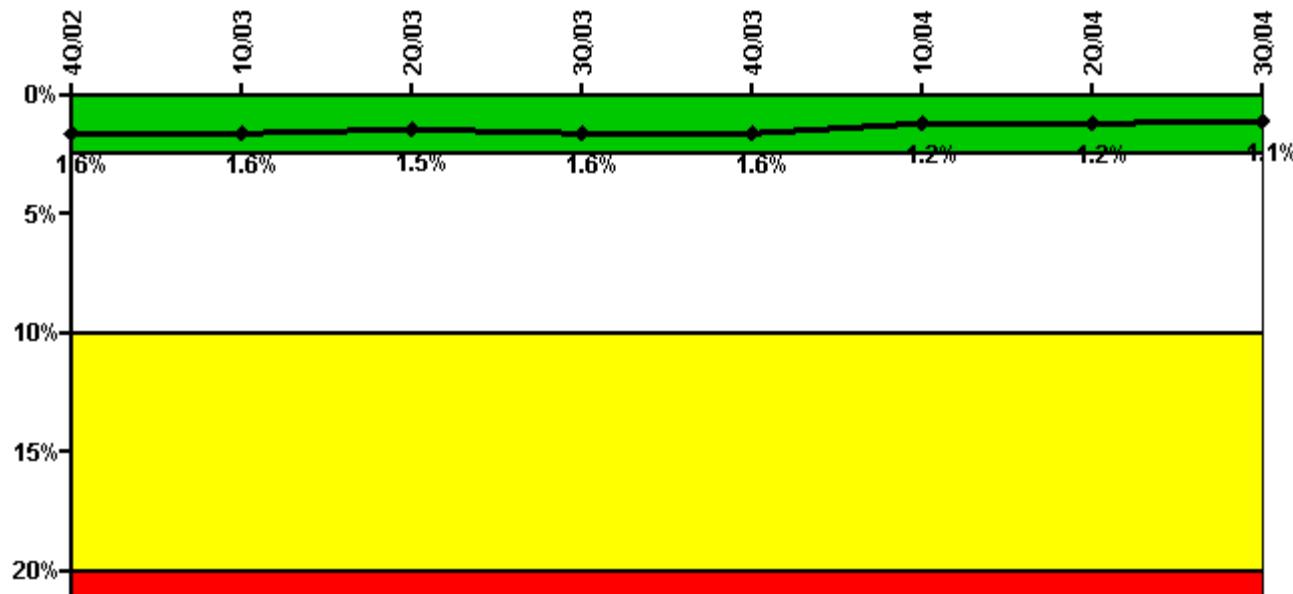
Thresholds: White > 6.0

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	1.0	0	0	0	0	0
Critical hours	2209.0	1803.2	381.9	2128.6	2209.0	2090.2	2183.0	2208.0
Indicator value	0	0	1.1	1.1	1.1	1.0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



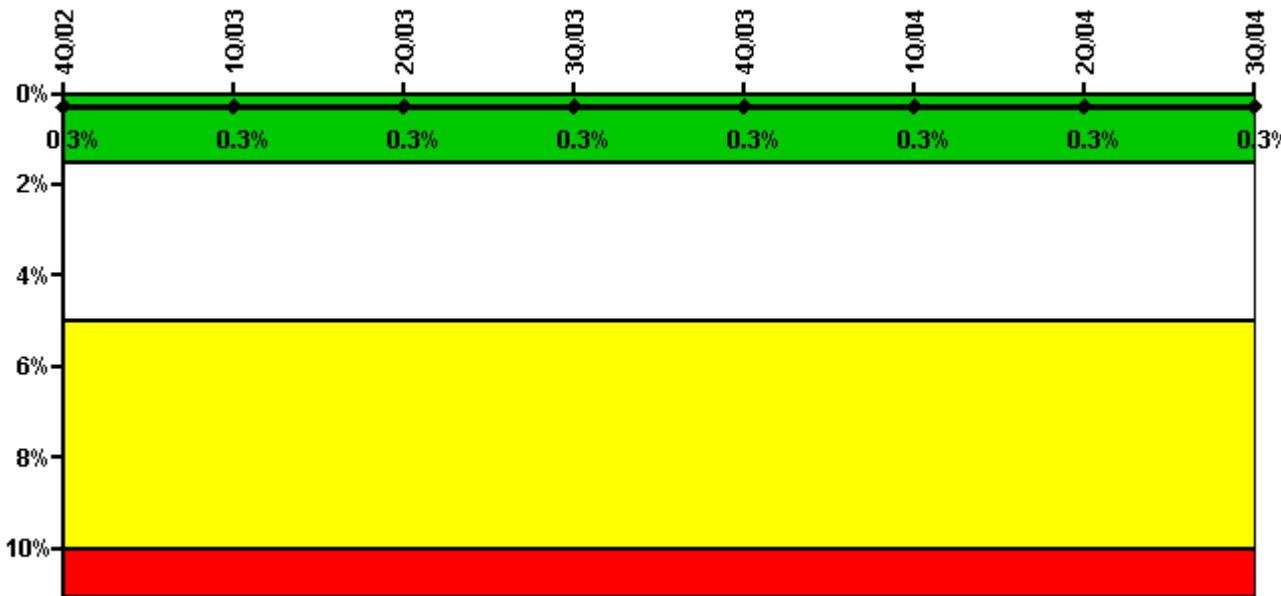
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	6.75	8.32	7.70	57.21	29.95	13.46	7.18	5.70
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	9.20	3.37	3.87	41.53	6.55	10.04	6.17	11.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	4.43	4.02	6.27	51.06	7.35	11.98	5.02	12.52
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 4								
Planned unavailable hours	12.25	4.60	4.63	36.36	10.78	6.80	6.22	10.37
Unplanned unavailable hours	0	0	0	0.62	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.6%	1.6%	1.5%	1.6%	1.6%	1.2%	1.2%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

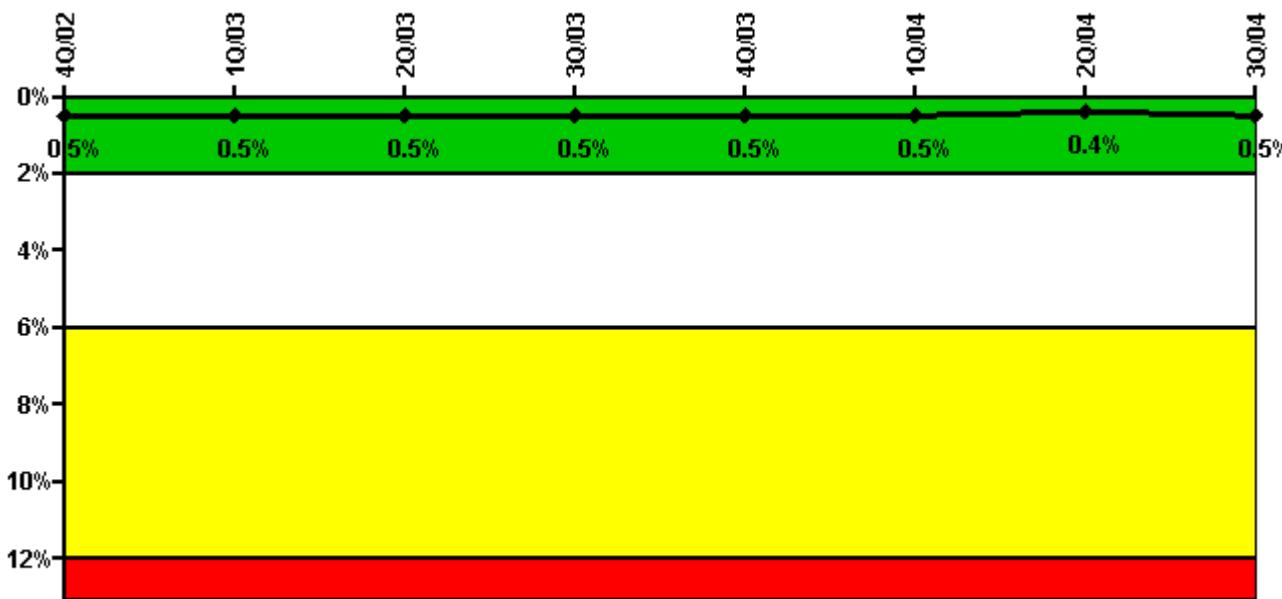


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



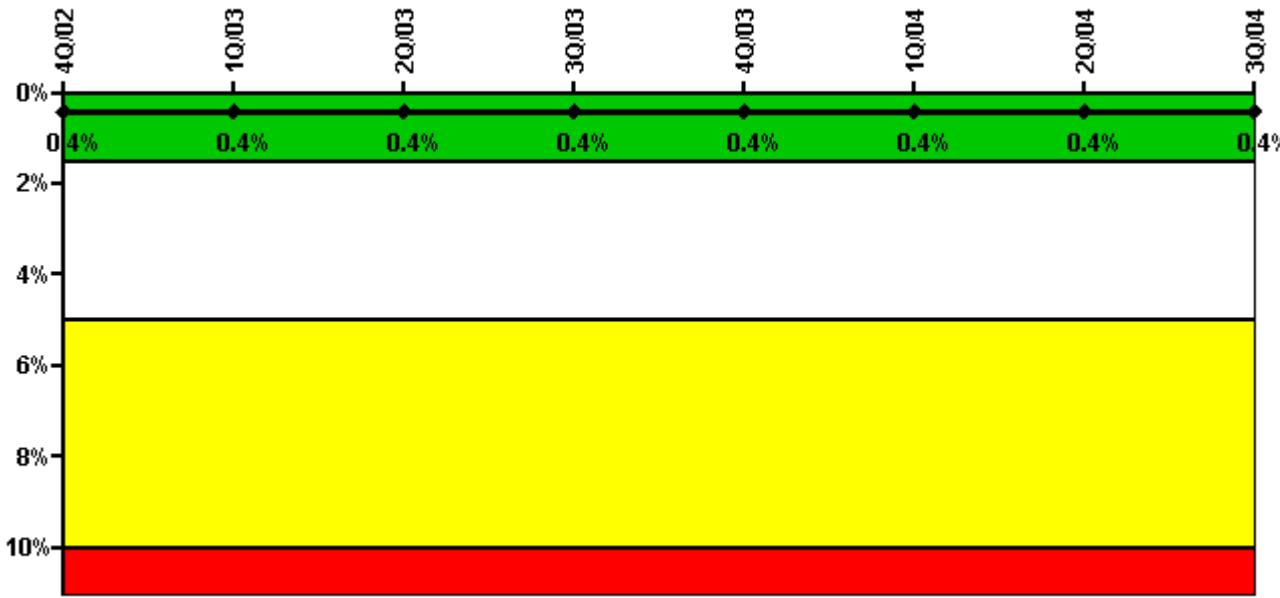
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

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	1810.20	394.50	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

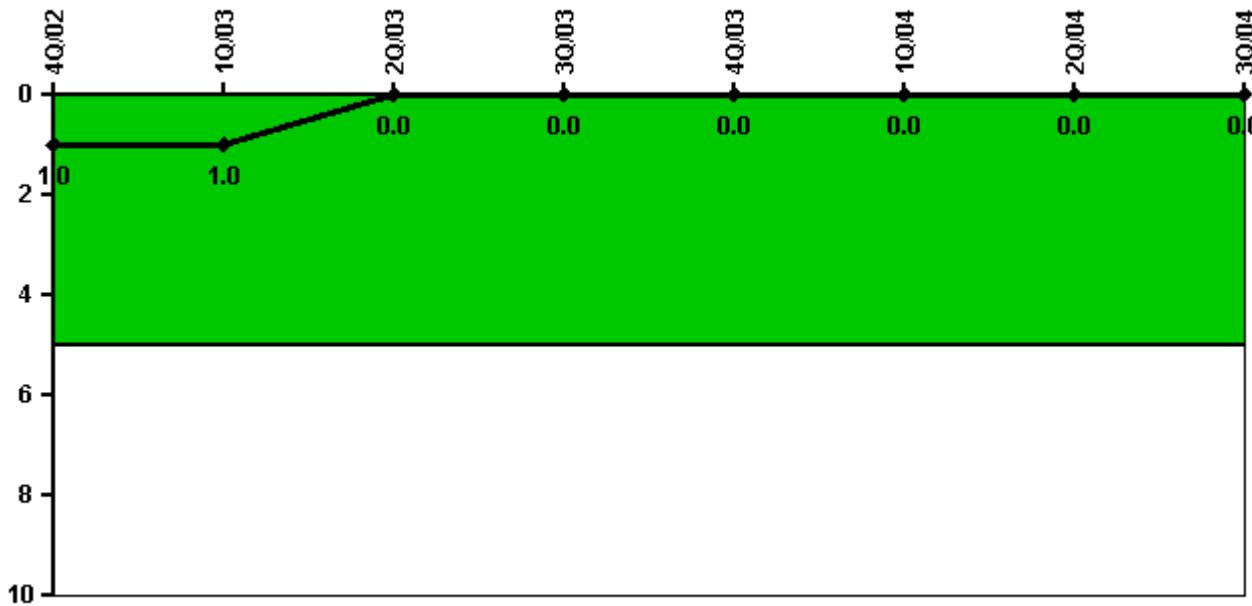


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Licensee Comments: none

Safety System Functional Failures (PWR)



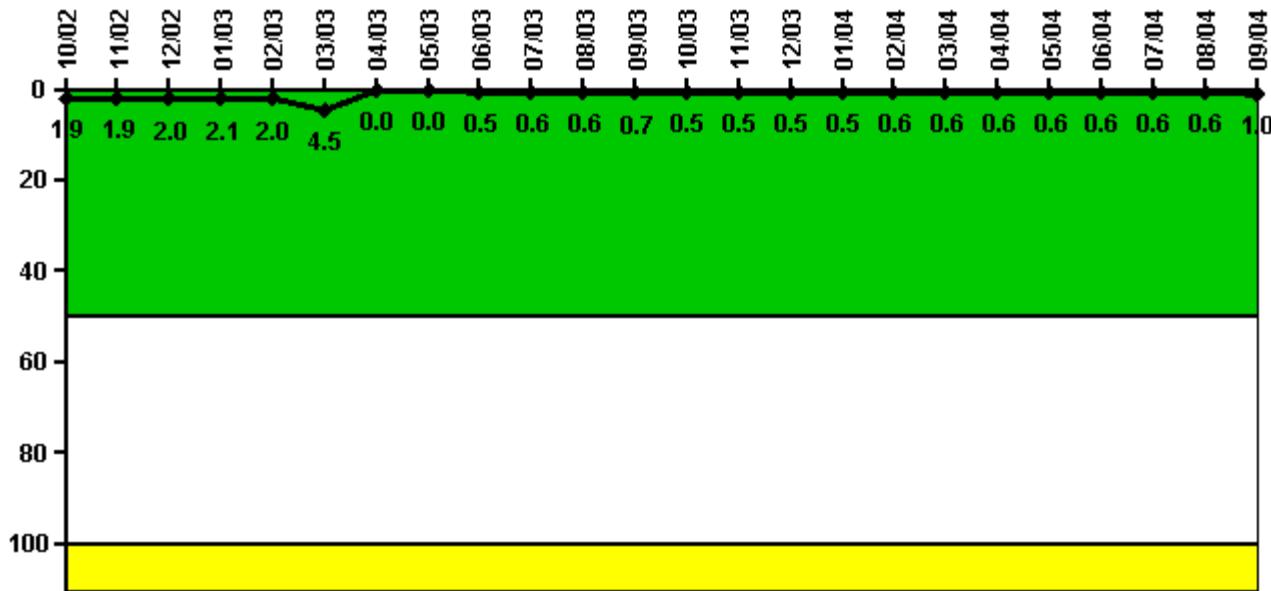
Thresholds: White > 5.0

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	1	1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



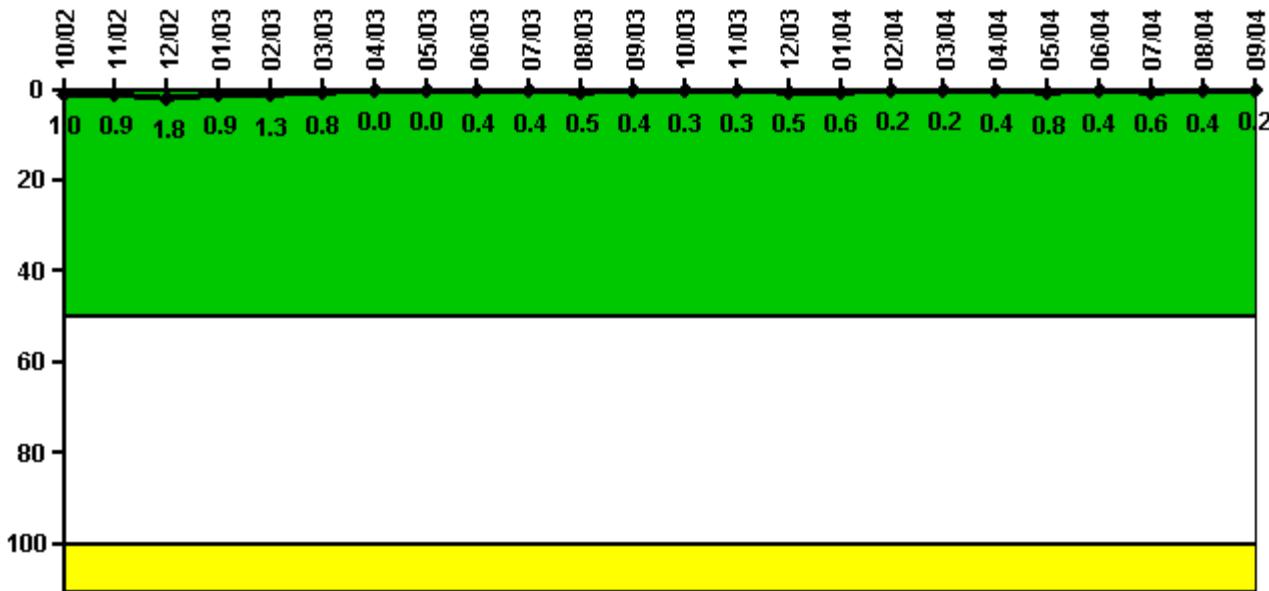
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity		0.004660	0.004800	0.005010	0.005200	0.005020	0.011300	0	0	0.001350	0.001490	0.001600	0.001680
Technical specification limit		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value		1.9	1.9	2.0	2.1	2.0	4.5	0	0	0.5	0.6	0.6	0.7
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		0.001640	0.001770	0.001810	0.001910	0.001950	0.001950	0.001950	0.002000	0.002140	0.002060	0.002060	0.003552
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0

Licensee Comments: none

Reactor Coolant System Leakage

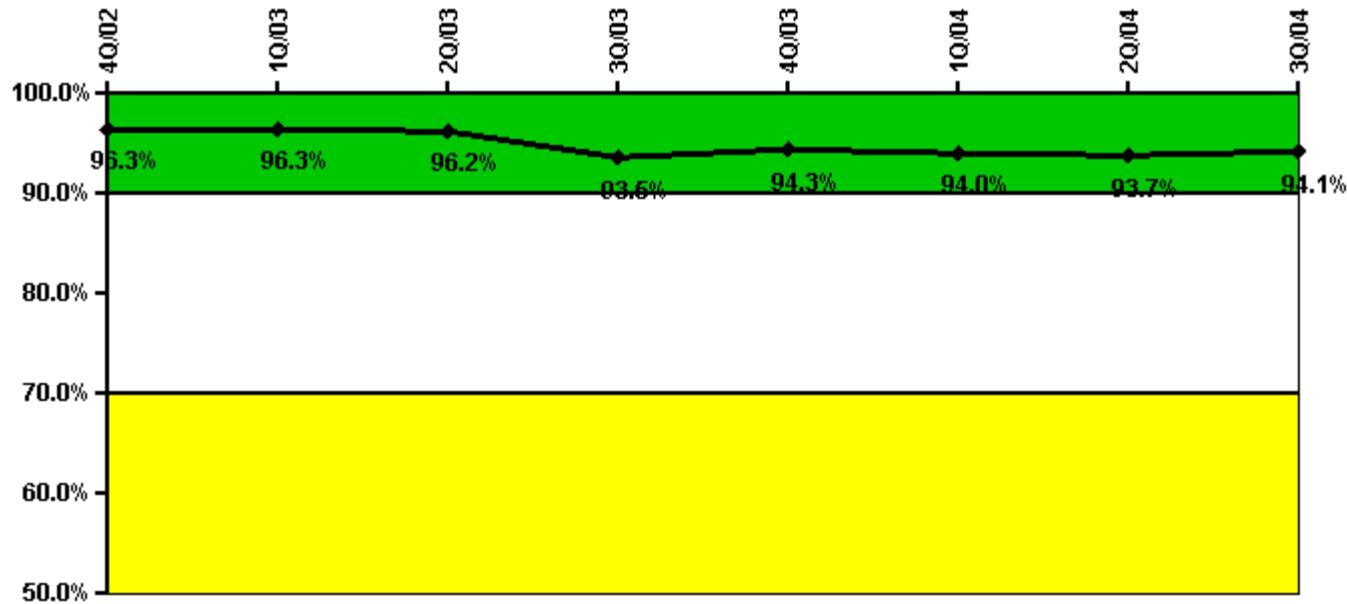


Thresholds: White > 50.0 Yellow > 100.0

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	0.100	0.090	0.180	0.090	0.130	0.080	0	0	0.040	0.040	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.9	1.8	0.9	1.3	0.8	0	0	0.4	0.4	0.5	0.4
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.030	0.030	0.050	0.060	0.020	0.020	0.040	0.080	0.040	0.060	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.5	0.6	0.2	0.2	0.4	0.8	0.4	0.6	0.4	0.2

Licensee Comments: none

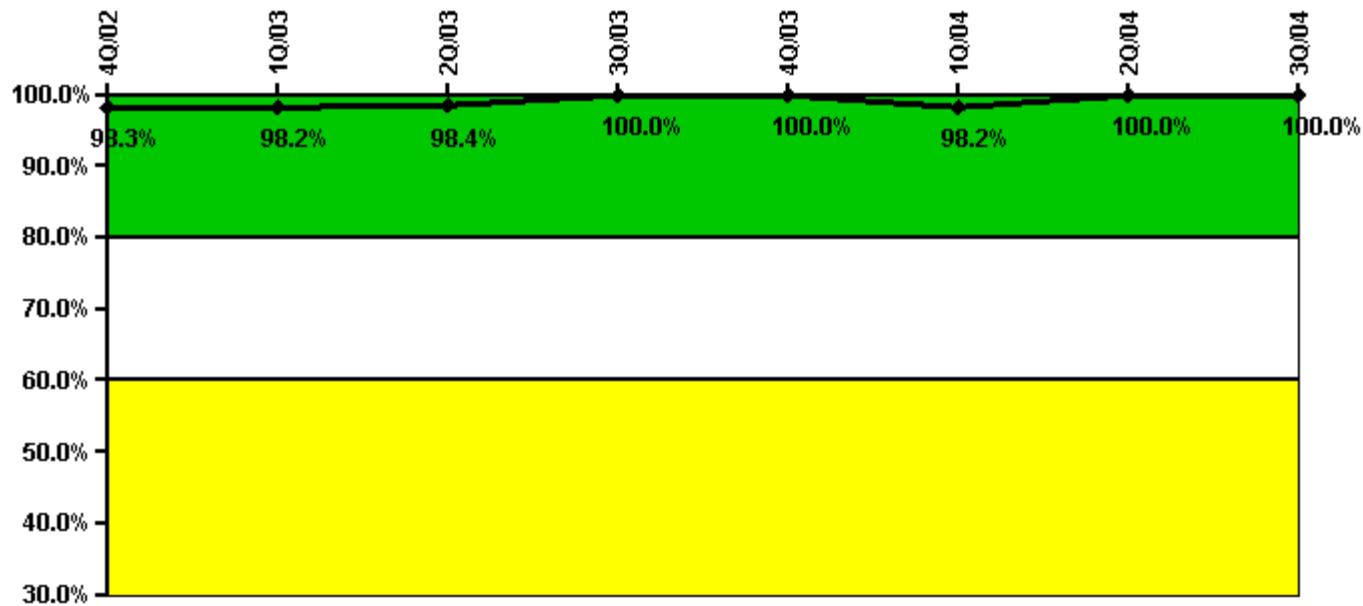
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	58.0	0	0	38.0	35.0	6.0	17.0	38.0
Total opportunities	58.0	0	0	44.0	38.0	6.0	18.0	40.0
Indicator value	96.3%	96.3%	96.2%	93.5%	94.3%	94.0%	93.7%	94.1%

Licensee Comments: none

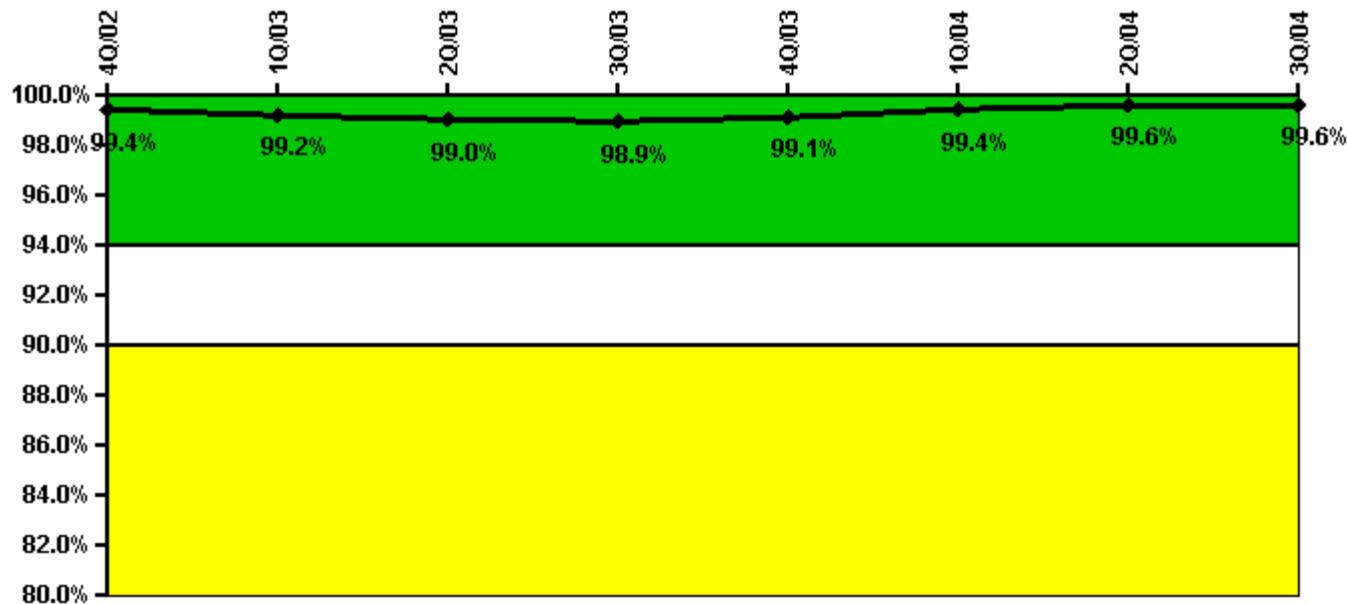
ERO Drill Participation

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	57.0	56.0	62.0	62.0	63.0	56.0	57.0	58.0
Total Key personnel	58.0	57.0	63.0	62.0	63.0	57.0	57.0	58.0
Indicator value	98.3%	98.2%	98.4%	100.0%	100.0%	98.2%	100.0%	100.0%

Licensee Comments: none

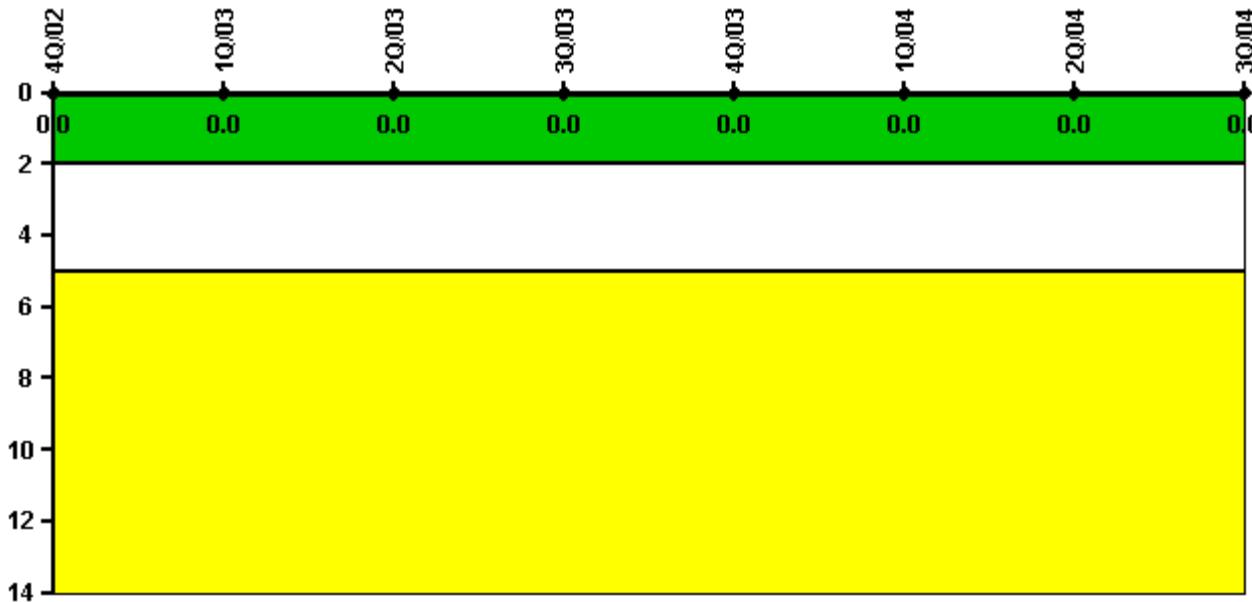
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	962	746	961	855	971	756	966	858
Total sirens-tests	972	756	972	864	972	756	972	864
Indicator value	99.4%	99.2%	99.0%	98.9%	99.1%	99.4%	99.6%	99.6%

Licensee Comments: none

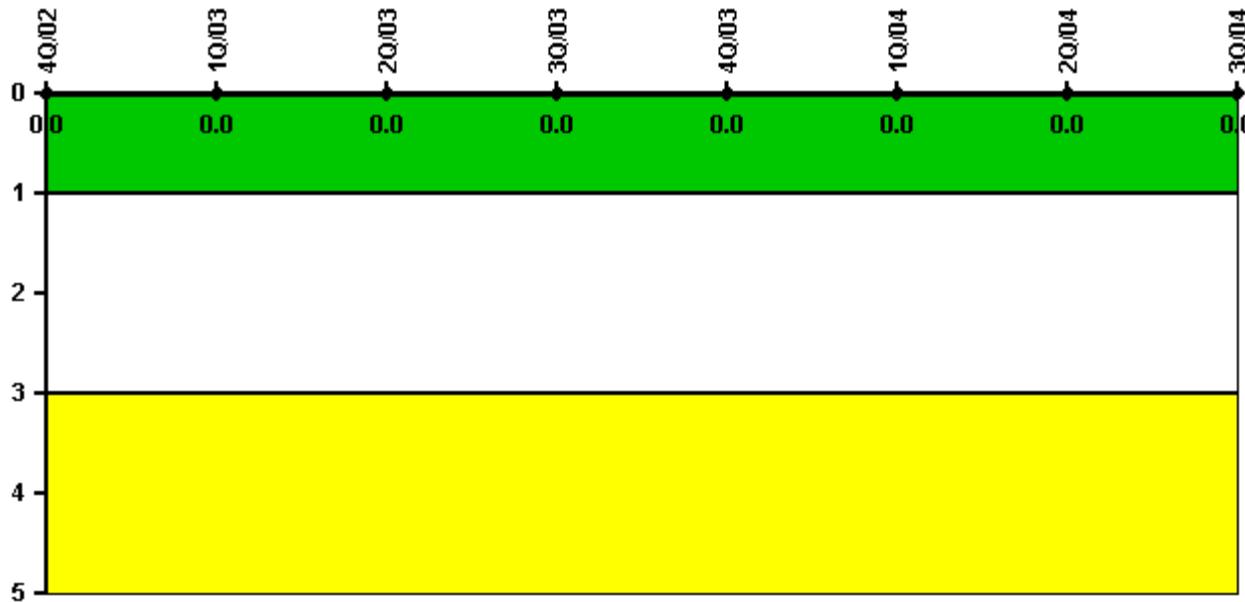
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

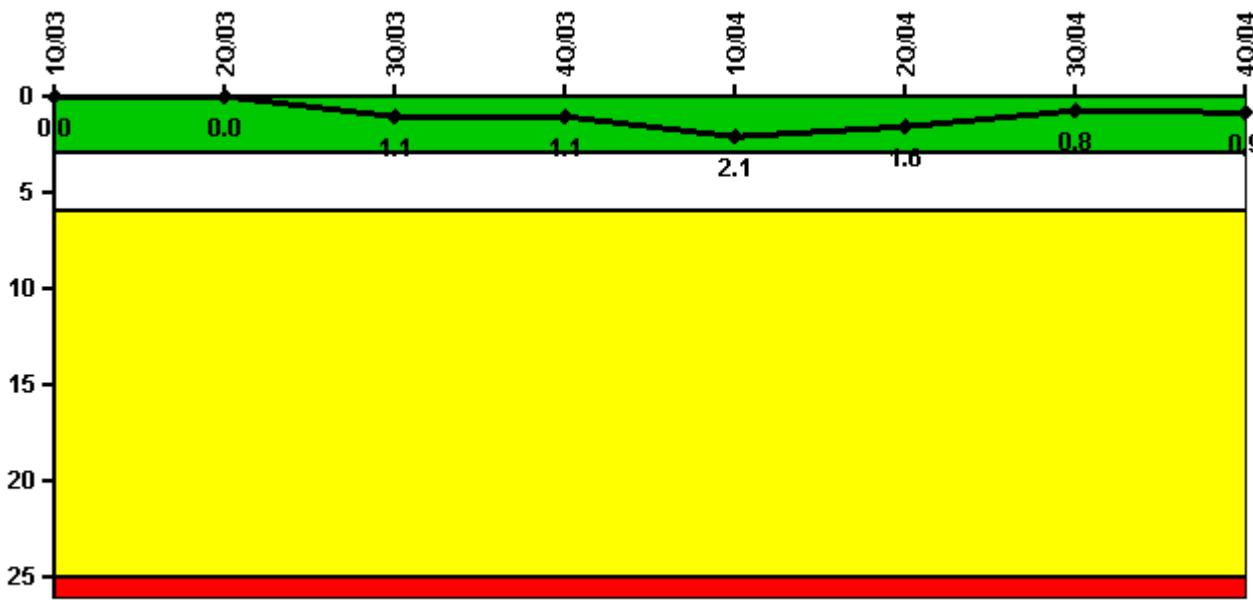


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2004

Sequoyah 1**4Q/2004 Performance Indicators**

Licensee's General Comments: none

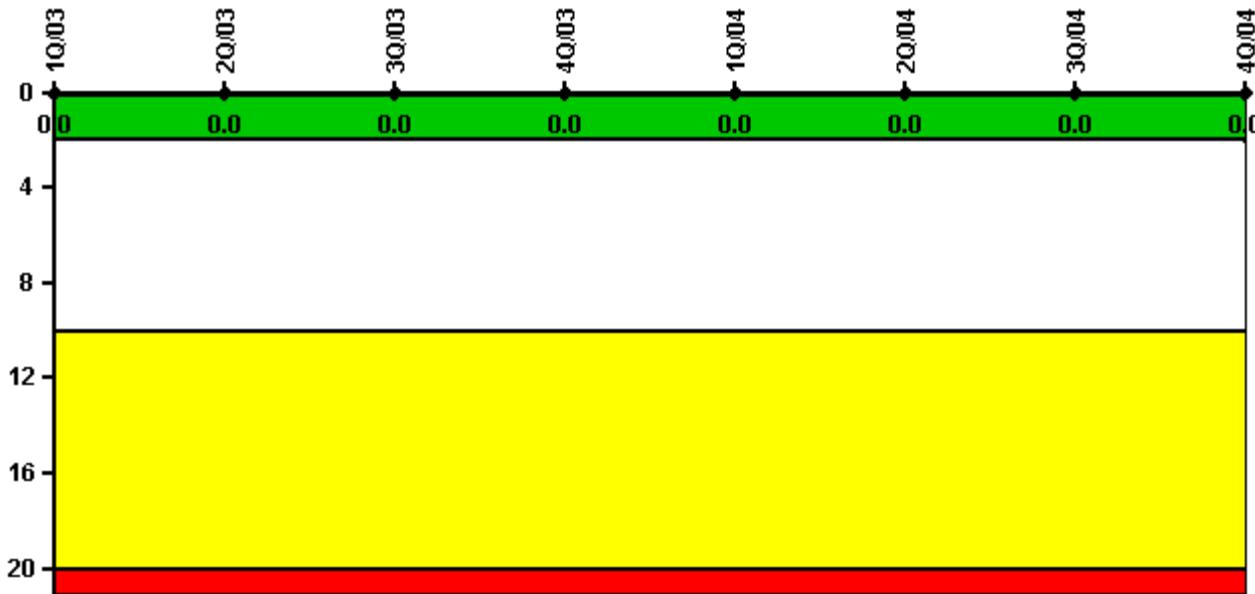
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0
Critical hours	1803.2	381.9	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5
Indicator value	0	0	1.1	1.1	2.1	1.6	0.8	0.9

Licensee Comments: none

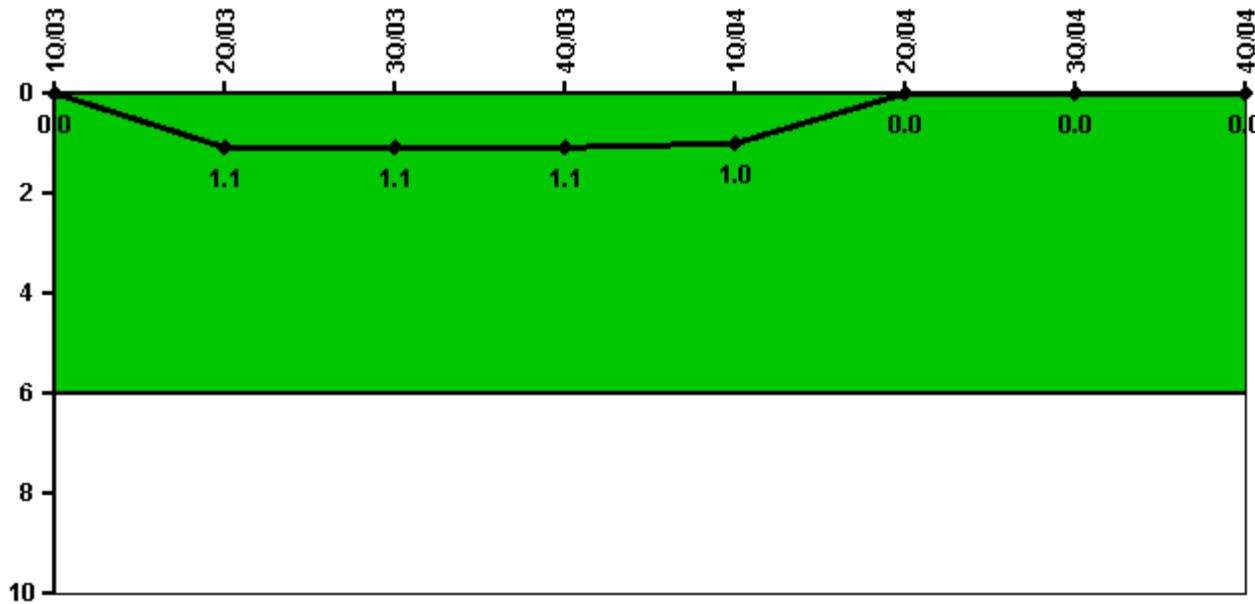
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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

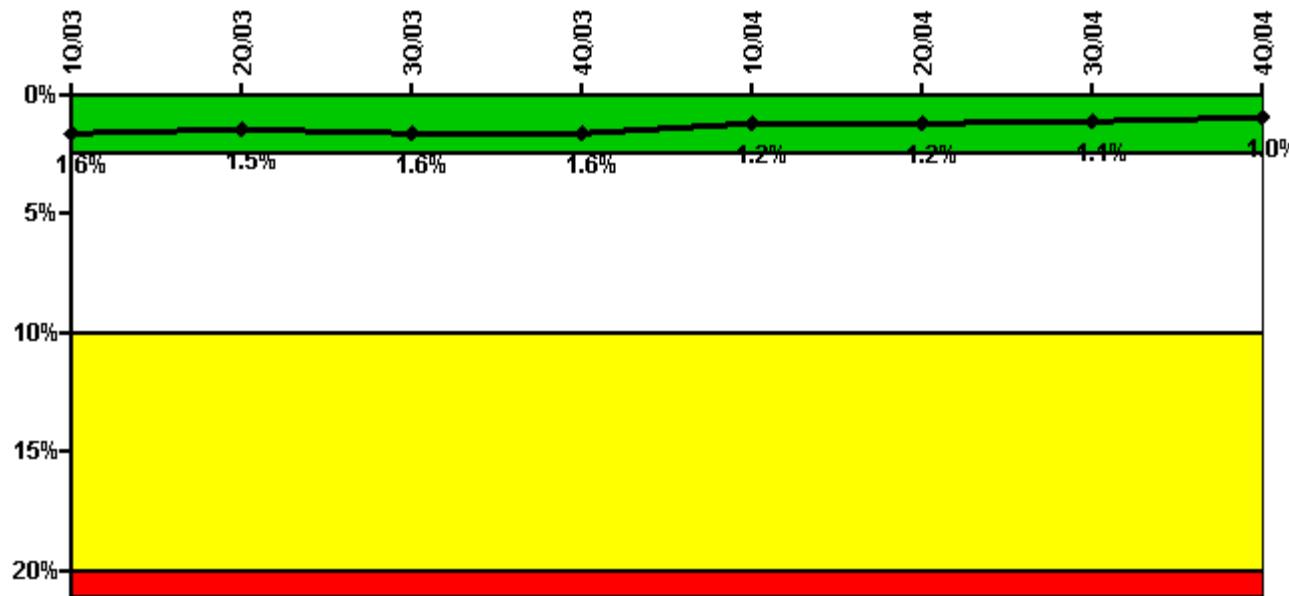
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0
Critical hours	1803.2	381.9	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5
Indicator value	0	1.1	1.1	1.1	1.0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



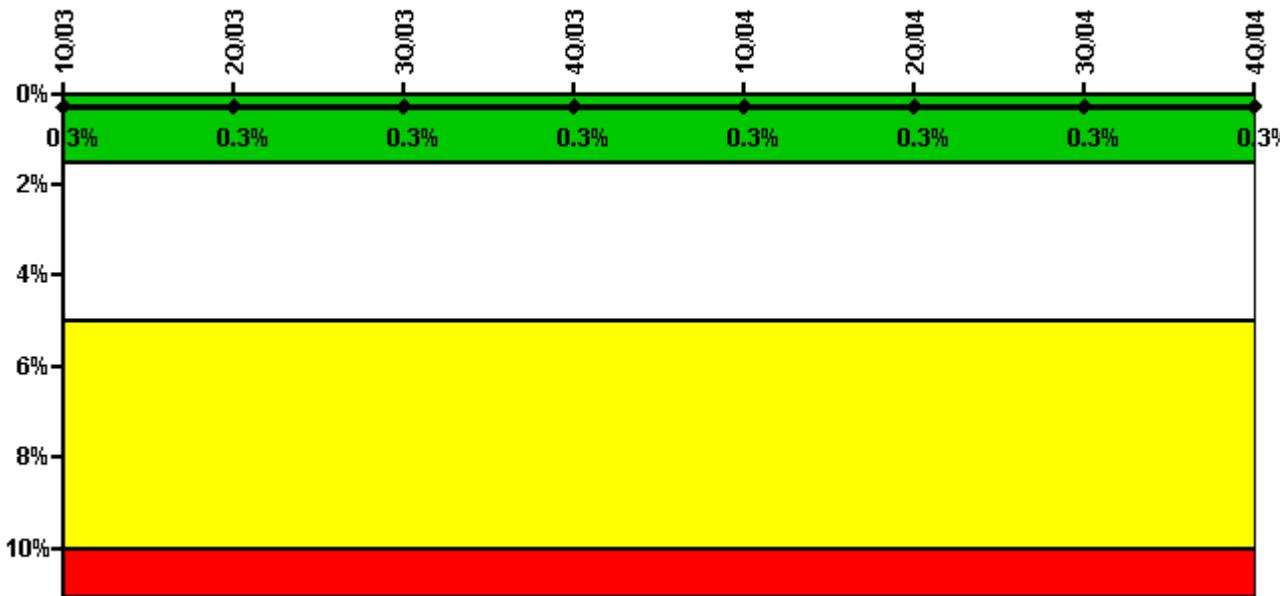
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	8.32	7.70	57.21	29.95	13.46	7.18	5.70	9.16
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	3.37	3.87	41.53	6.55	10.04	6.17	11.77	6.06
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 3								
Planned unavailable hours	4.02	6.27	51.06	7.35	11.98	5.02	12.52	3.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	4.60	4.63	36.36	10.78	6.80	6.22	10.37	14.50
Unplanned unavailable hours	0	0	0.62	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.6%	1.5%	1.6%	1.6%	1.2%	1.2%	1.1%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



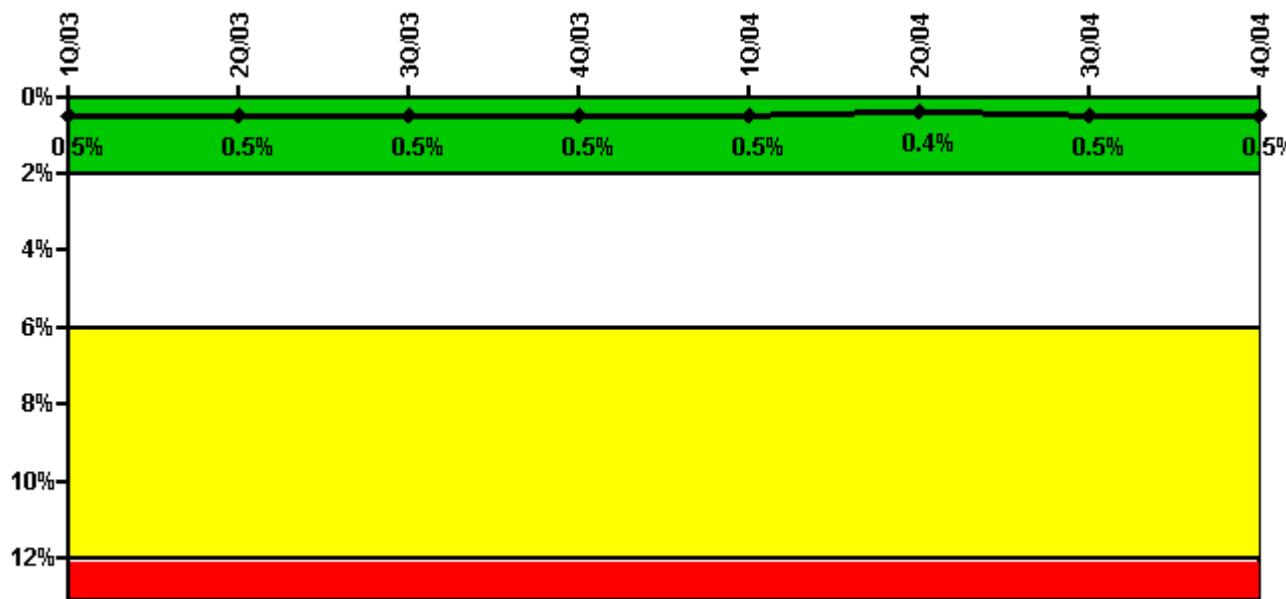
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.80	0	2.60	24.70	3.50	3.40	2.90	1.20
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	1815.40	451.30	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10
Train 2								
Planned unavailable hours	1.20	0	3.20	7.70	1.30	2.30	20.40	0.60
Unplanned unavailable hours	0	0	0	7.80	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	1815.40	451.30	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10
Train 3								
Planned unavailable hours	2.60	0	11.20	2.00	12.60	2.40	1.90	22.40
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	1810.20	432.00	2208.00	2209.00	2184.00	2183.00	2208.00	1689.90
Train 4								
Planned unavailable hours	1.20	0	3.20	2.50	8.40	2.60	8.20	9.60
Unplanned unavailable hours	0	0	0	0	0	4.30	0	0

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



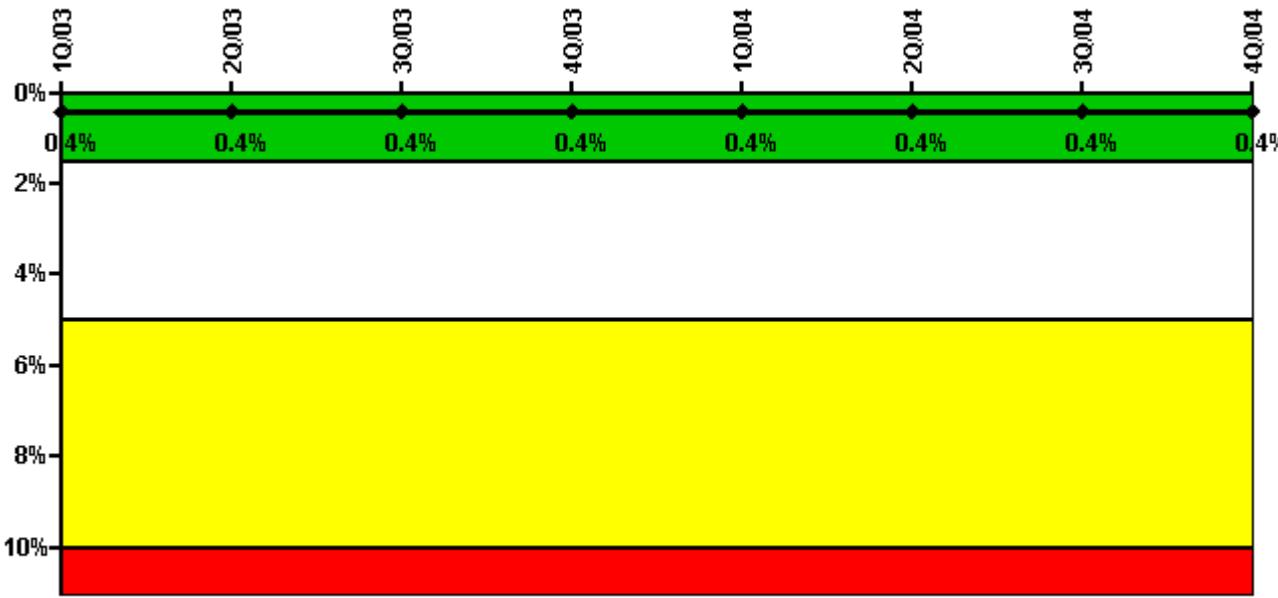
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1810.20	394.50	2208.00	2209.00	2184.00	2183.00	2208.00	1657.48
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

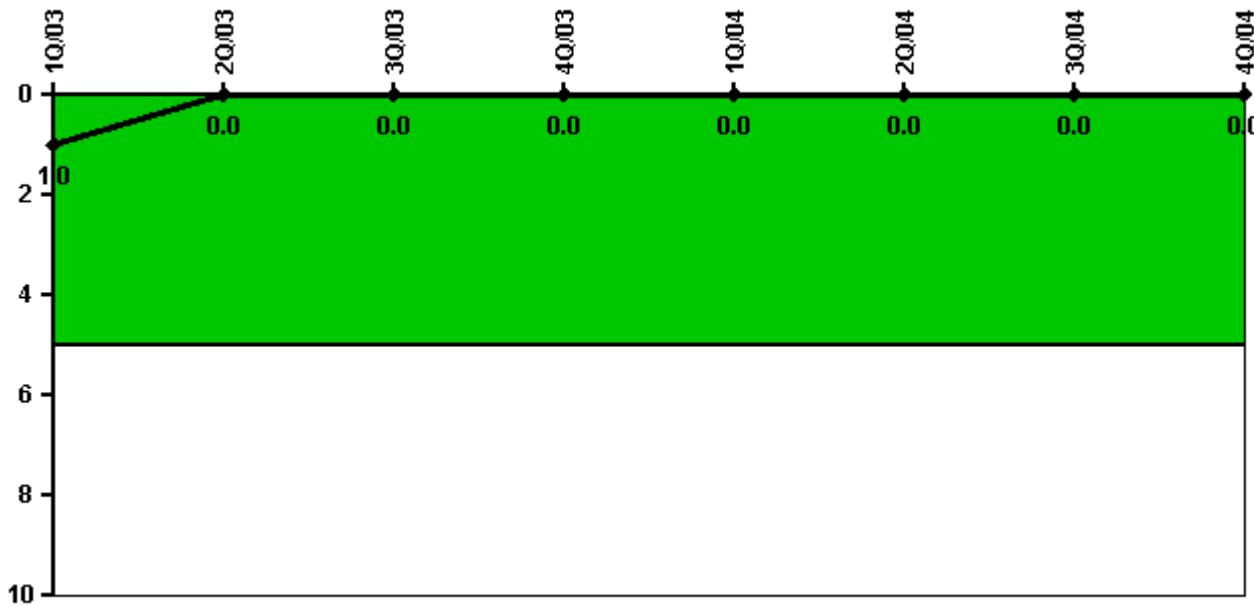


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Licensee Comments: none

Safety System Functional Failures (PWR)



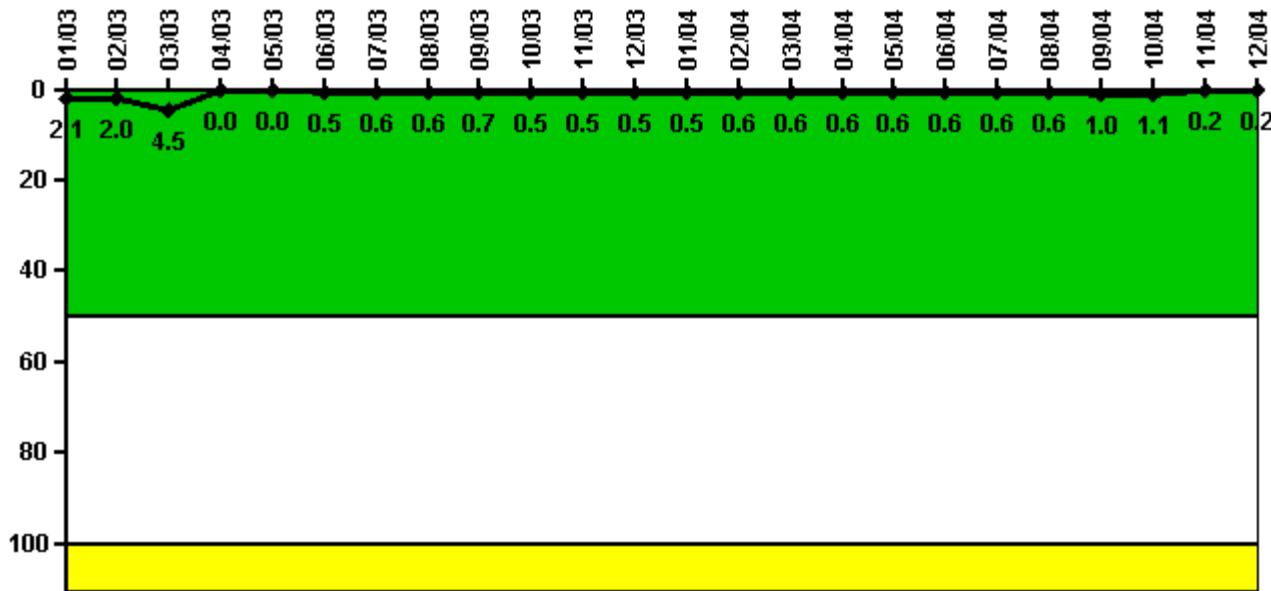
Thresholds: White > 5.0

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	1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



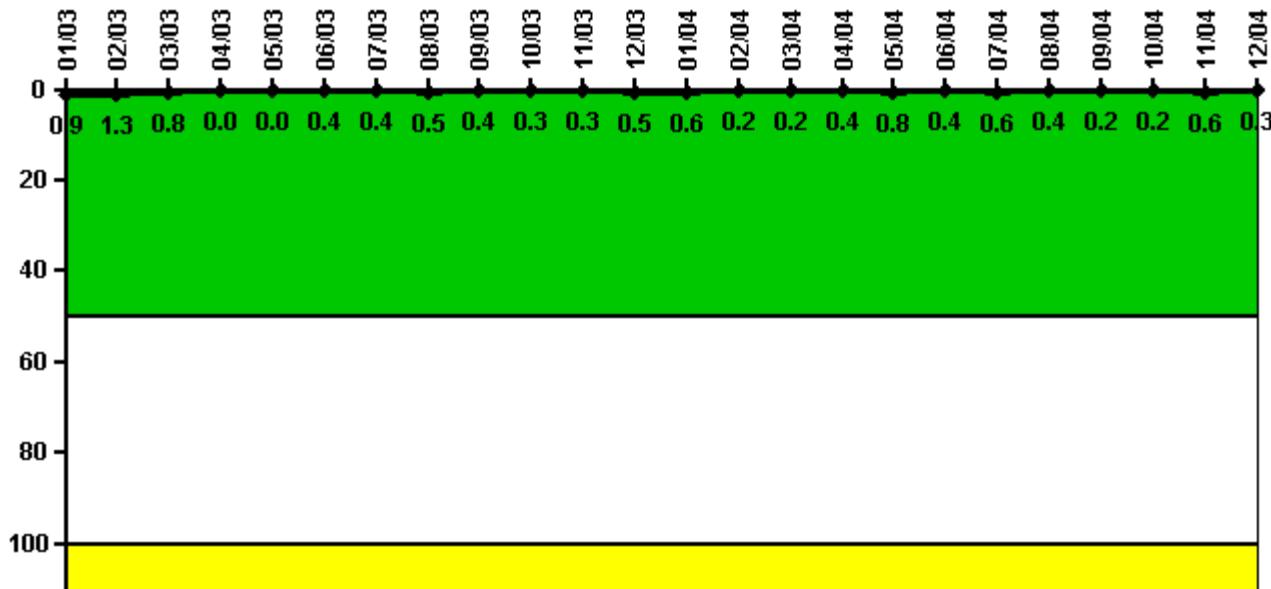
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity		0.005200	0.005020	0.011300	0	0	0.001350	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810
Technical specification limit		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
Indicator value		2.1	2.0	4.5	0	0	0.5	0.6	0.6	0.7	0.5	0.5	0.5
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		0.001910	0.001950	0.001950	0.001950	0.002000	0.002140	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.1	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



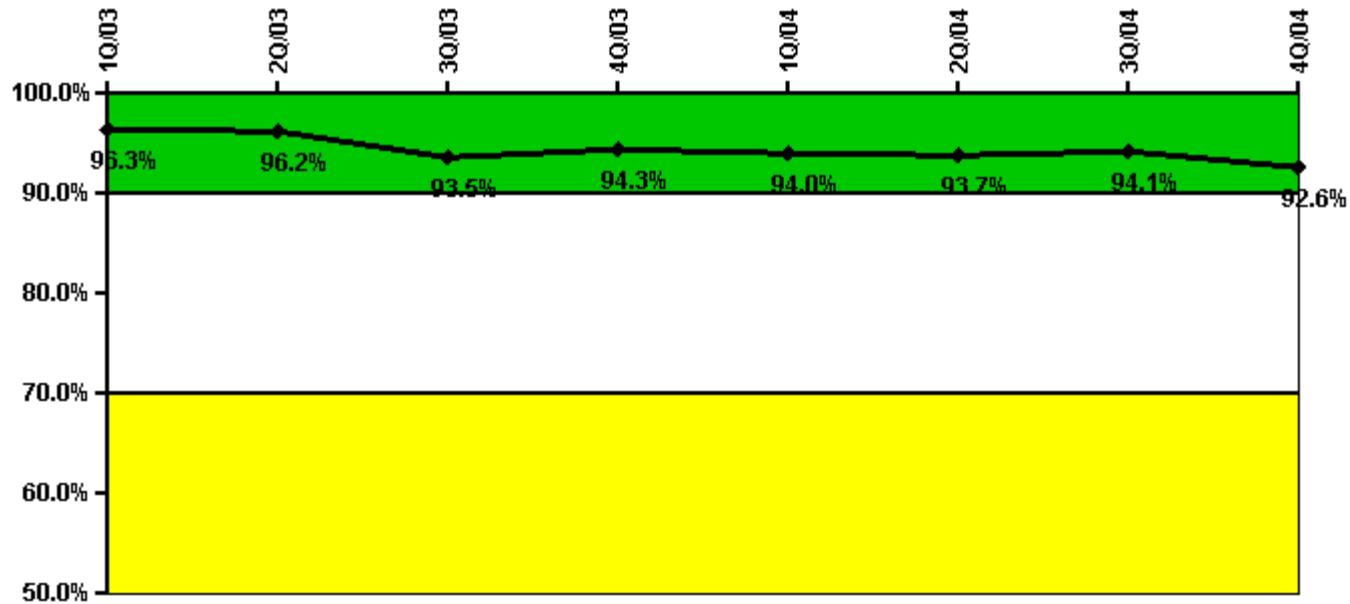
Thresholds: White > 50.0 Yellow > 100.0

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	0.090	0.130	0.080	0	0	0.040	0.040	0.050	0.040	0.030	0.030	0.050
Indicator value	0.9	1.3	0.8	0	0	0.4	0.4	0.5	0.4	0.3	0.3	0.5
Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.060	0.020	0.020	0.040	0.080	0.040	0.060	0.040	0.020	0.020	0.060	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.2	0.2	0.4	0.8	0.4	0.6	0.4	0.2	0.2	0.6	0.3

Licensee Comments: none

Drill/Exercise Performance

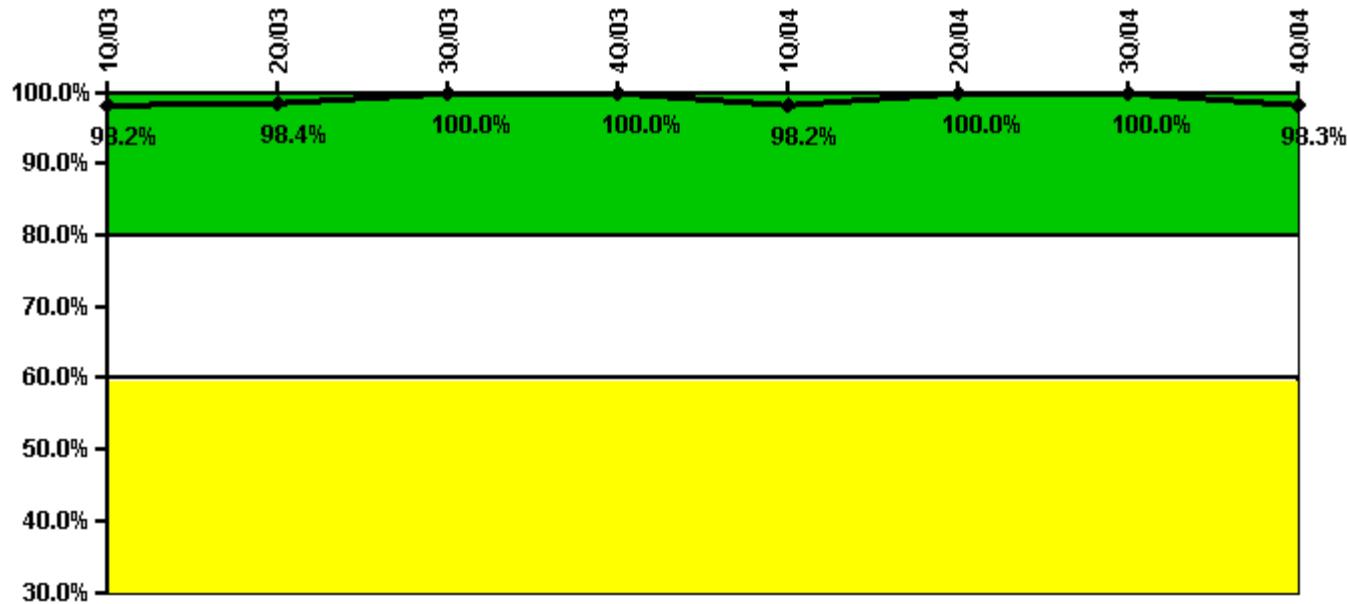


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	0	0	38.0	35.0	6.0	17.0	38.0	16.0
Total opportunities	0	0	44.0	38.0	6.0	18.0	40.0	16.0
Indicator value	96.3%	96.2%	93.5%	94.3%	94.0%	93.7%	94.1%	92.6%

Licensee Comments: none

ERO Drill Participation

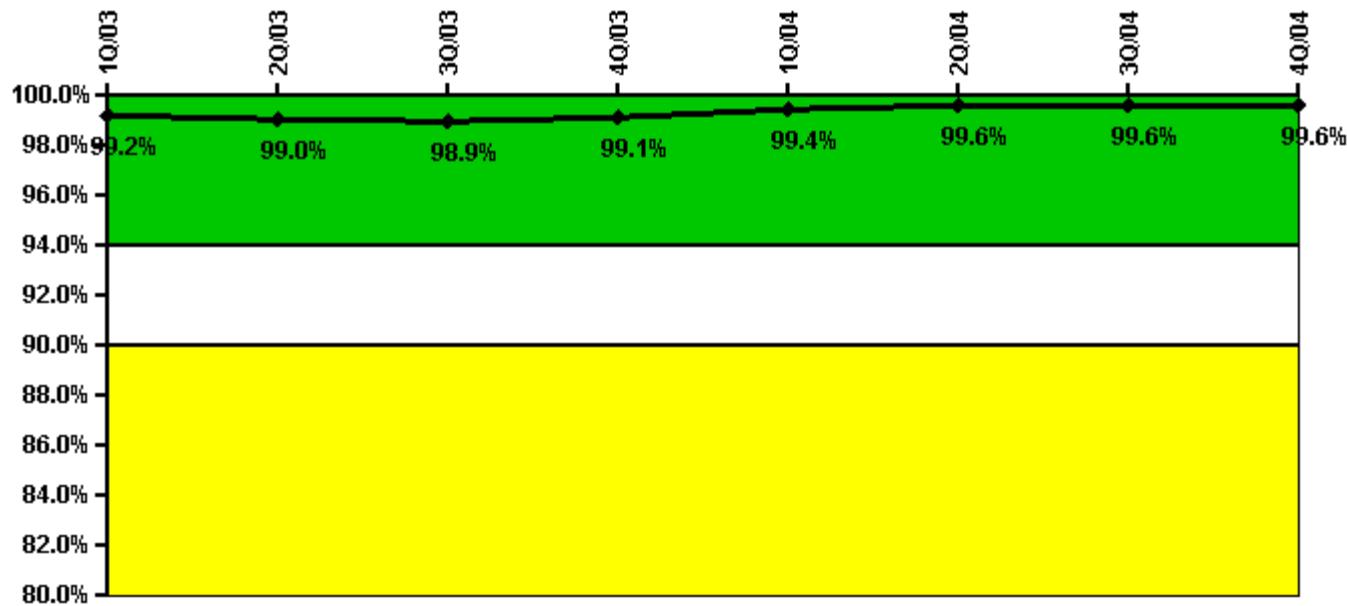
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	56.0	62.0	62.0	63.0	56.0	57.0	58.0	58.0
Total Key personnel	57.0	63.0	62.0	63.0	57.0	57.0	58.0	59.0
Indicator value	98.2%	98.4%	100.0%	100.0%	98.2%	100.0%	100.0%	98.3%

Licensee Comments: none

Alert & Notification System

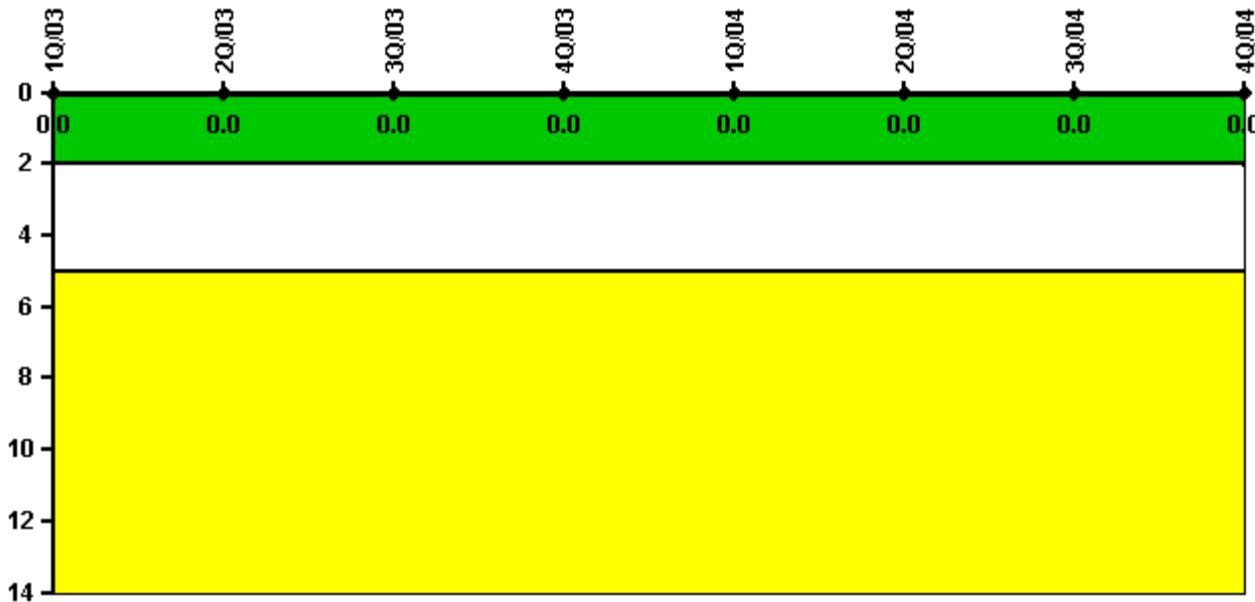


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	746	961	855	971	756	966	858	969
Total sirens-tests	756	972	864	972	756	972	864	972
Indicator value	99.2%	99.0%	98.9%	99.1%	99.4%	99.6%	99.6%	99.6%

Licensee Comments: none

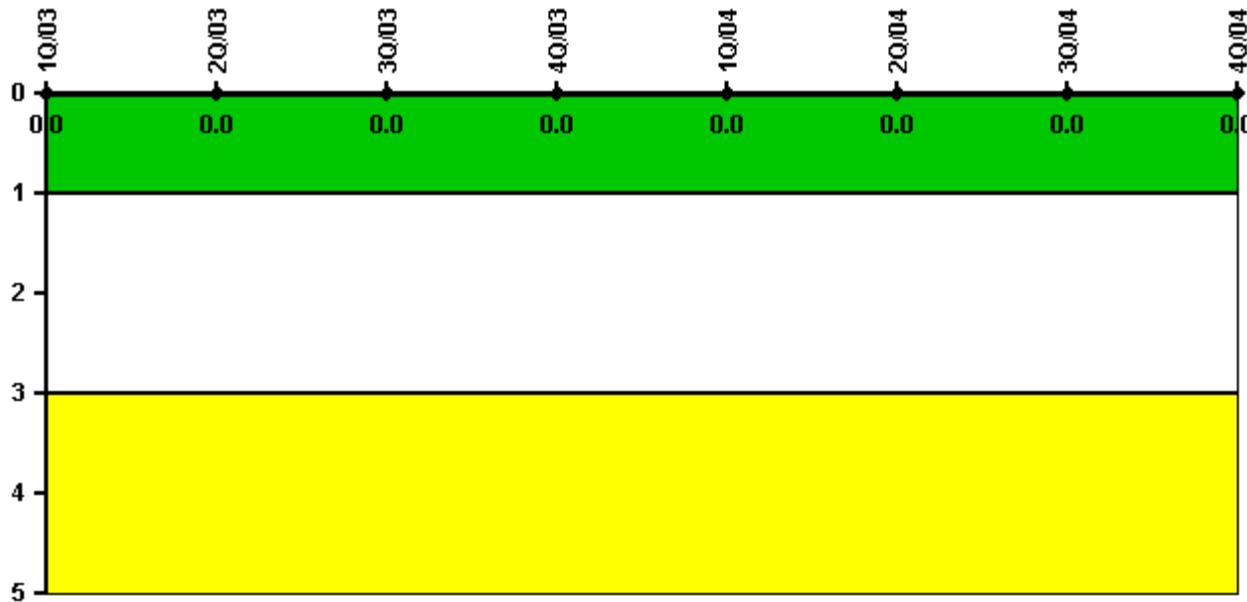
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

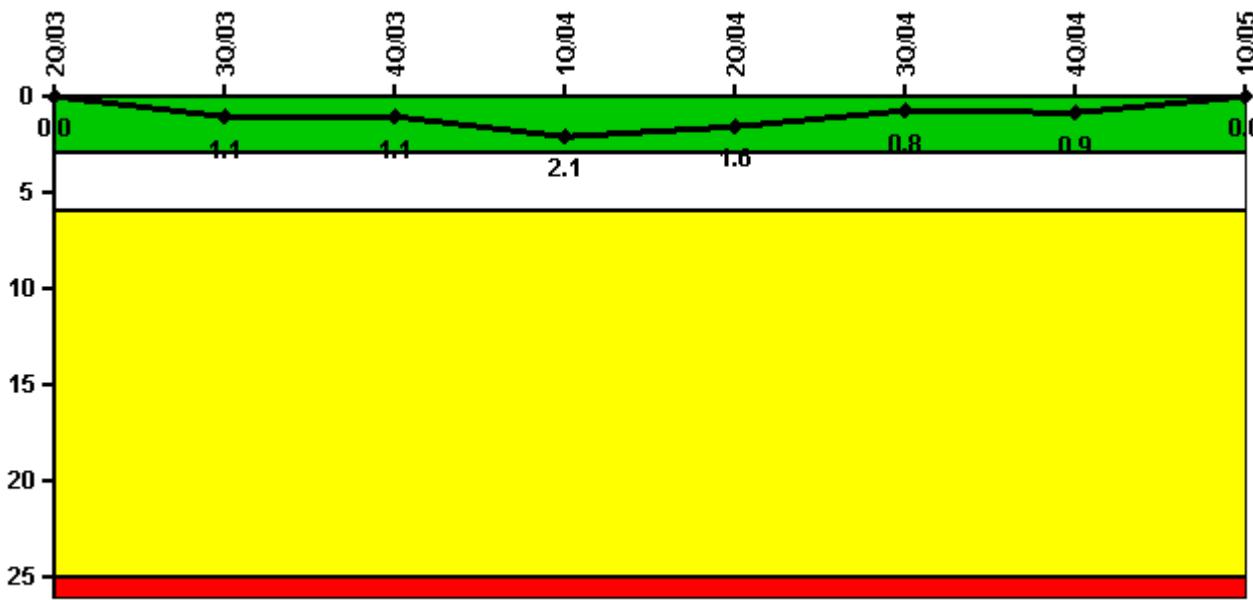


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 9, 2005

Sequoyah 1**1Q/2005 Performance Indicators**

Licensee's General Comments: none

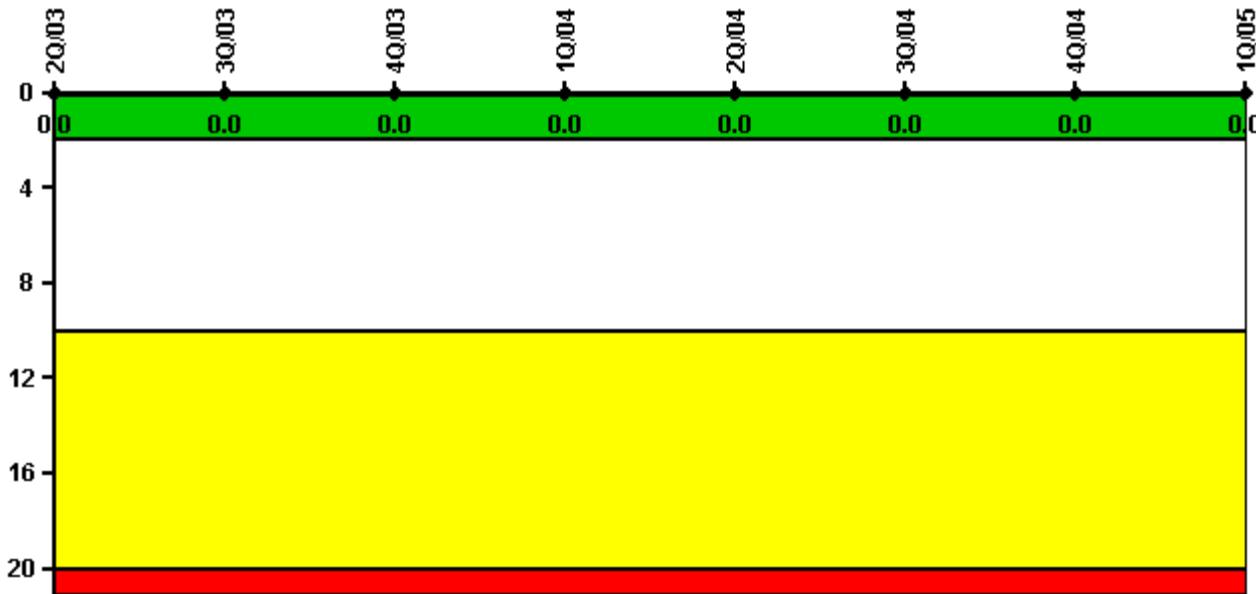
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0
Critical hours	381.9	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0
Indicator value	0	1.1	1.1	2.1	1.6	0.8	0.9	0

Licensee Comments: none

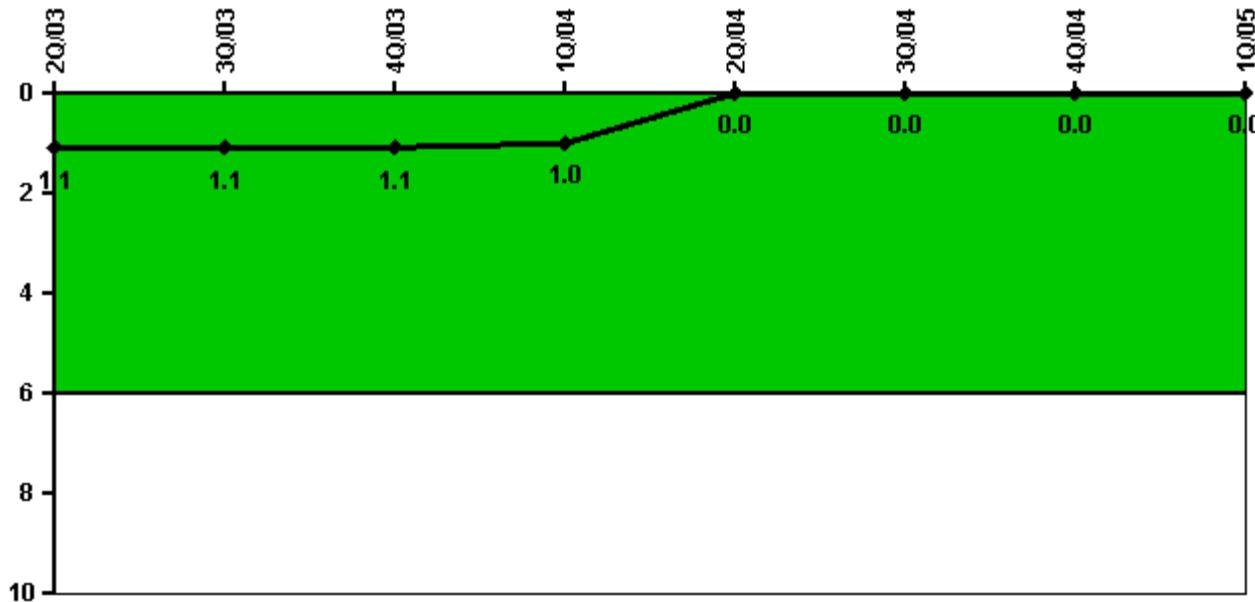
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

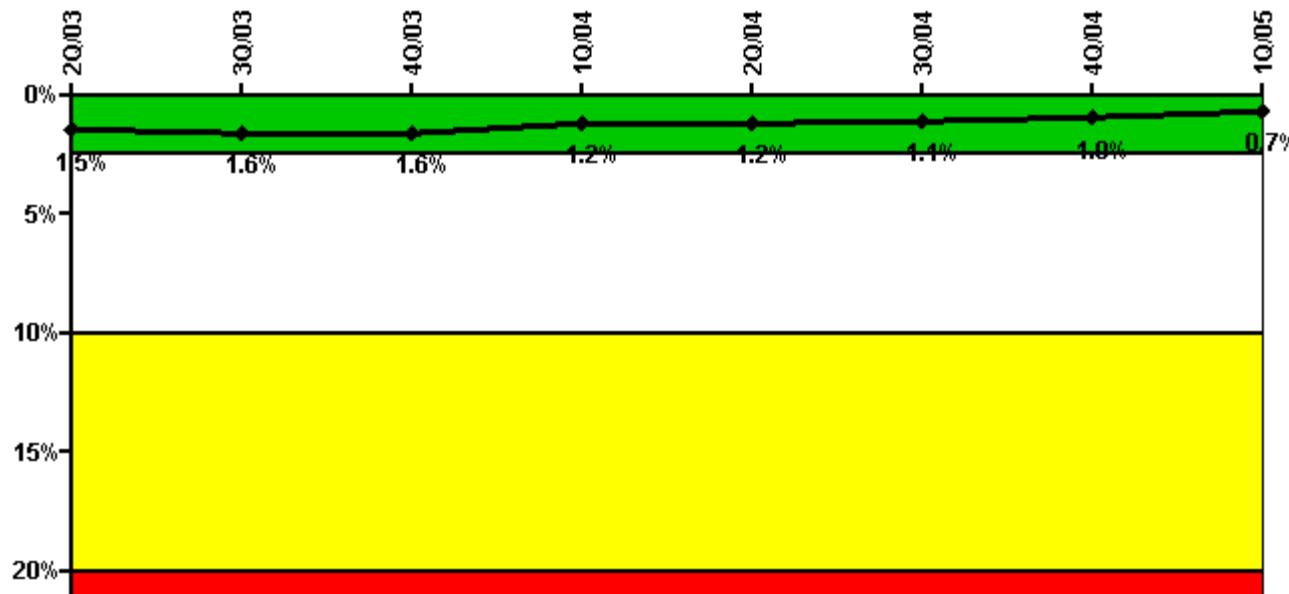
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	0
Critical hours	381.9	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0
Indicator value	1.1	1.1	1.1	1.0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



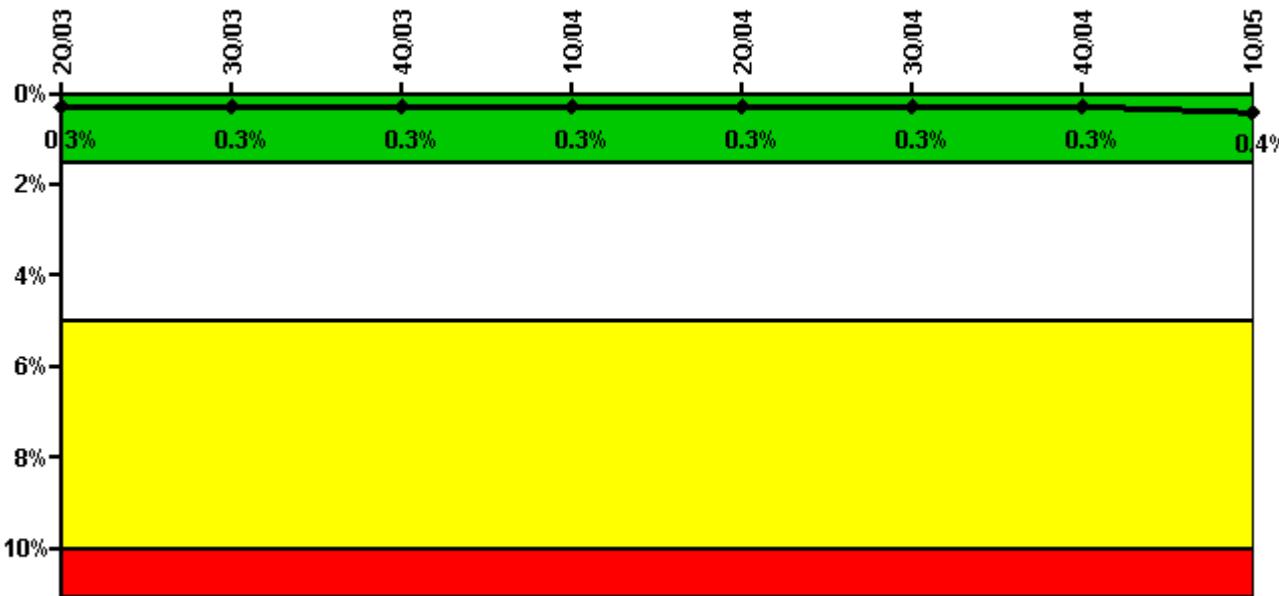
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	7.70	57.21	29.95	13.46	7.18	5.70	9.16	3.94
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	3.87	41.53	6.55	10.04	6.17	11.77	6.06	7.26
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 3								
Planned unavailable hours	6.27	51.06	7.35	11.98	5.02	12.52	3.70	7.94
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 4								
Planned unavailable hours	4.63	36.36	10.78	6.80	6.22	10.37	14.50	4.38
Unplanned unavailable hours	0	0.62	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.5%	1.6%	1.6%	1.2%	1.2%	1.1%	1.0%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



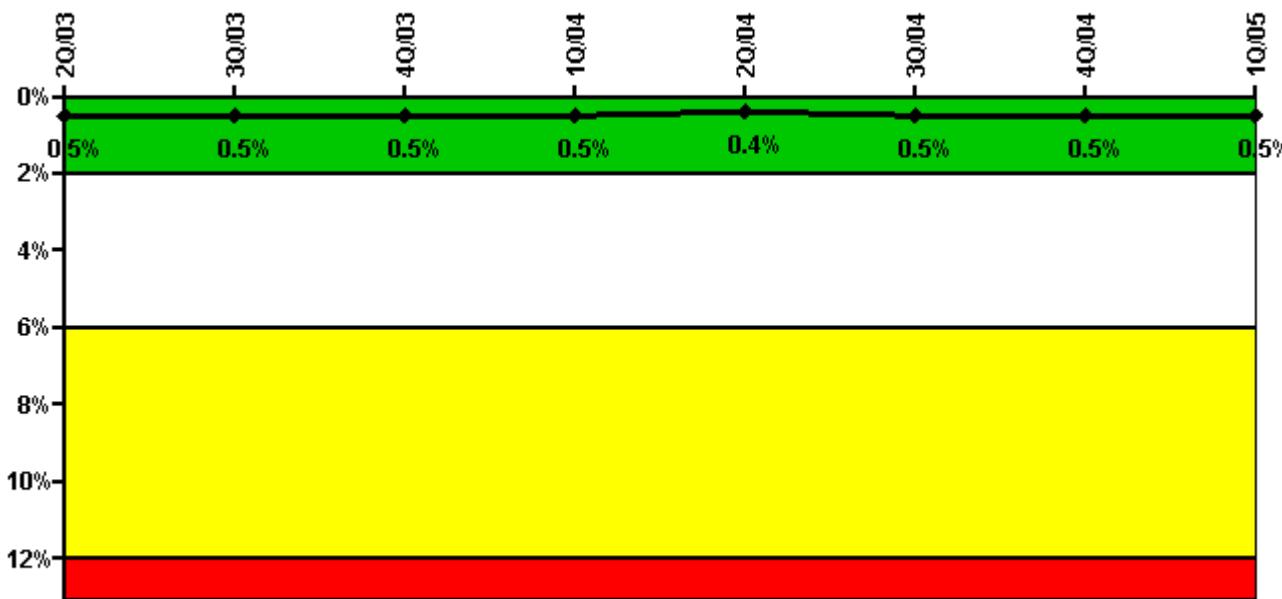
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	2.60	24.70	3.50	3.40	2.90	1.20	5.60
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	451.30	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00
Train 2								
Planned unavailable hours	0	3.20	7.70	1.30	2.30	20.40	0.60	7.10
Unplanned unavailable hours	0	0	7.80	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	451.30	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00
Train 3								
Planned unavailable hours	0	11.20	2.00	12.60	2.40	1.90	22.40	37.00
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	432.00	2208.00	2209.00	2184.00	2183.00	2208.00	1689.90	2160.00
Train 4								
Planned unavailable hours	0	3.20	2.50	8.40	2.60	8.20	9.60	4.30
Unplanned unavailable hours	0	0	0	0	4.30	0	0	0

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



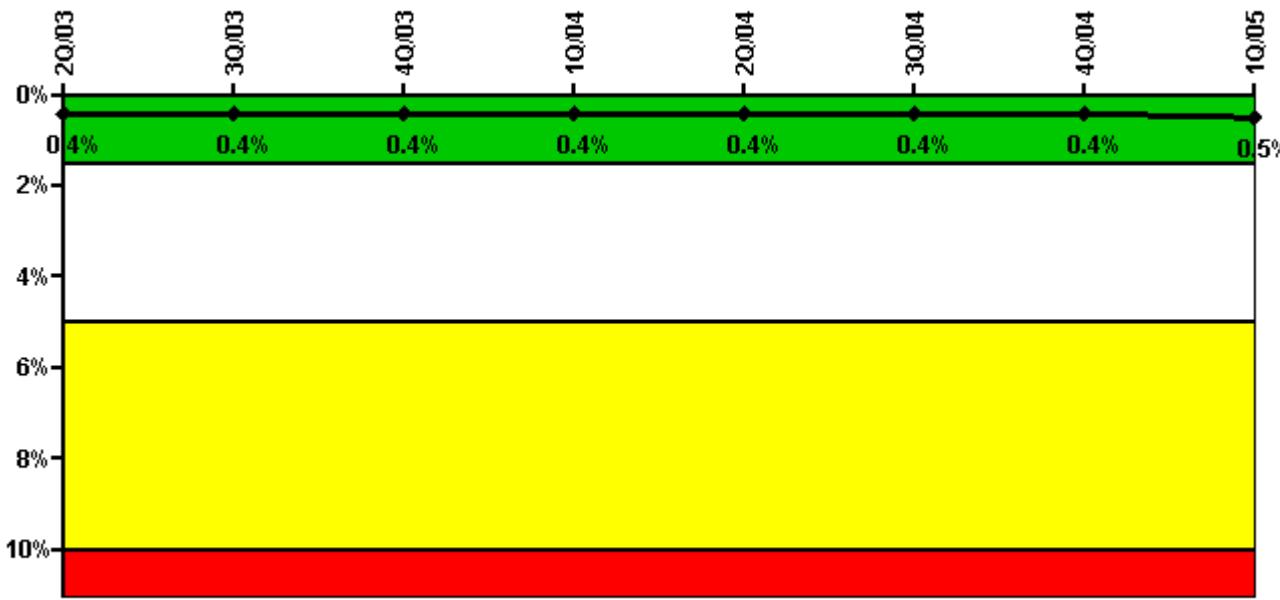
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	394.50	2208.00	2209.00	2184.00	2183.00	2208.00	1657.48	2160.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

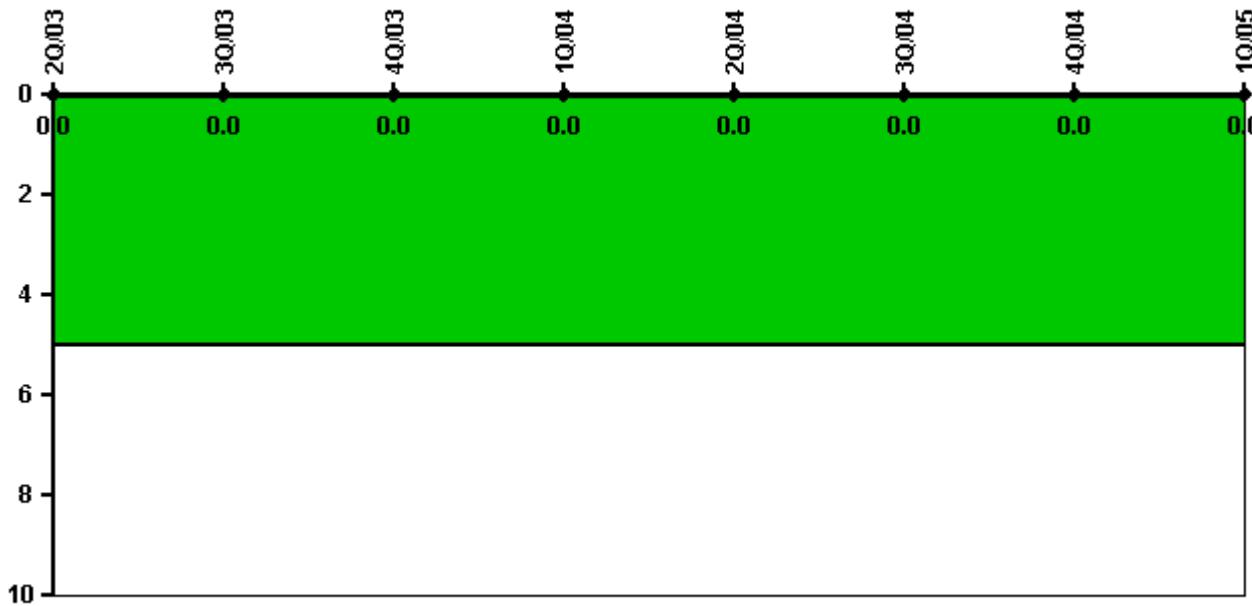


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Licensee Comments: none

Safety System Functional Failures (PWR)



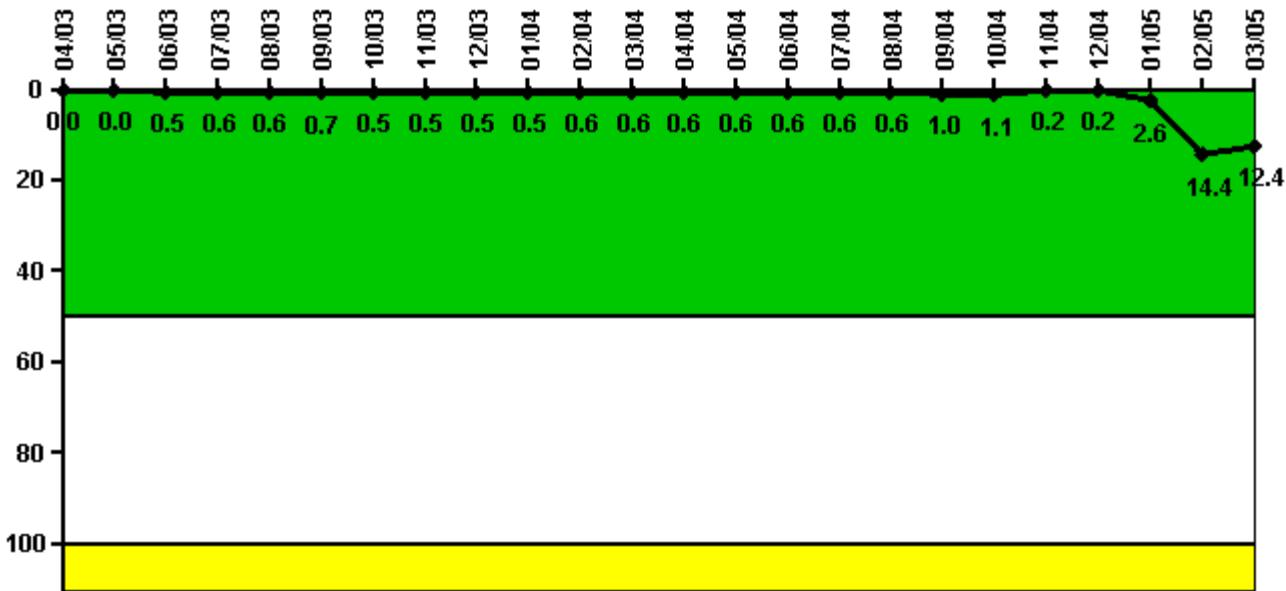
Thresholds: White > 5.0

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



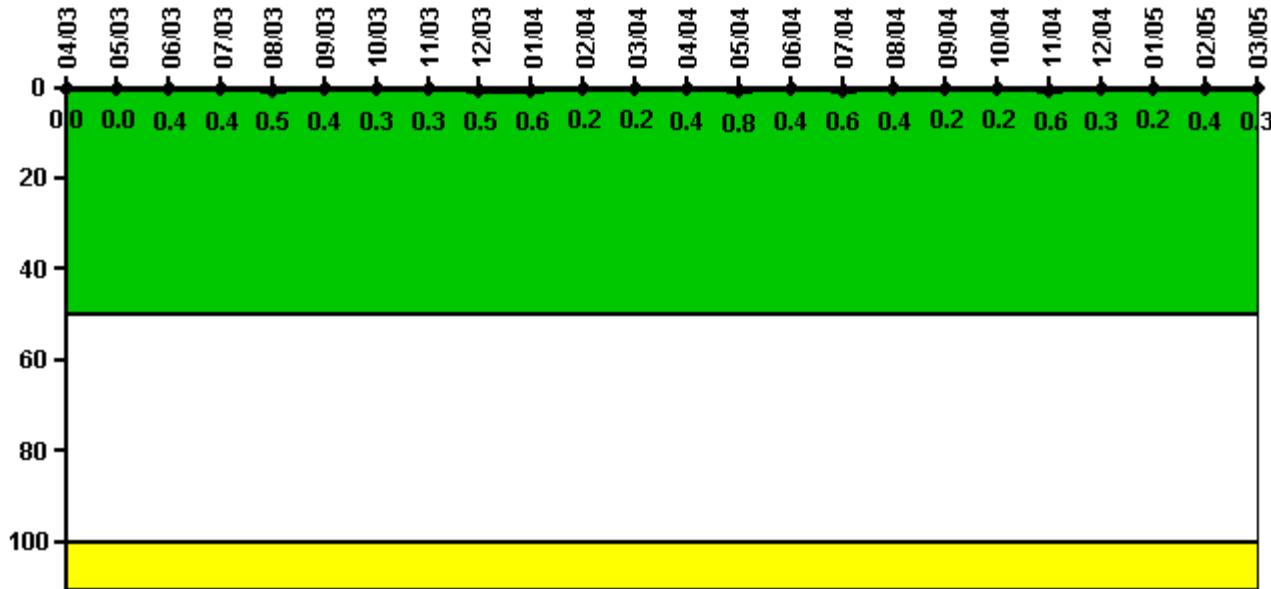
Thresholds: White > 50.0 Yellow > 100.0

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	0	0.001350	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810	0.001910	0.001950	0.001950
Technical specification limit		0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0	0	0.5	0.6	0.6	0.7	0.5	0.5	0.5	0.5	0.6	0.6
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		0.001950	0.002000	0.002140	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.6	0.6	0.6	0.6	0.6	1.0	1.1	0.2	0.2	2.6	14.4	12.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

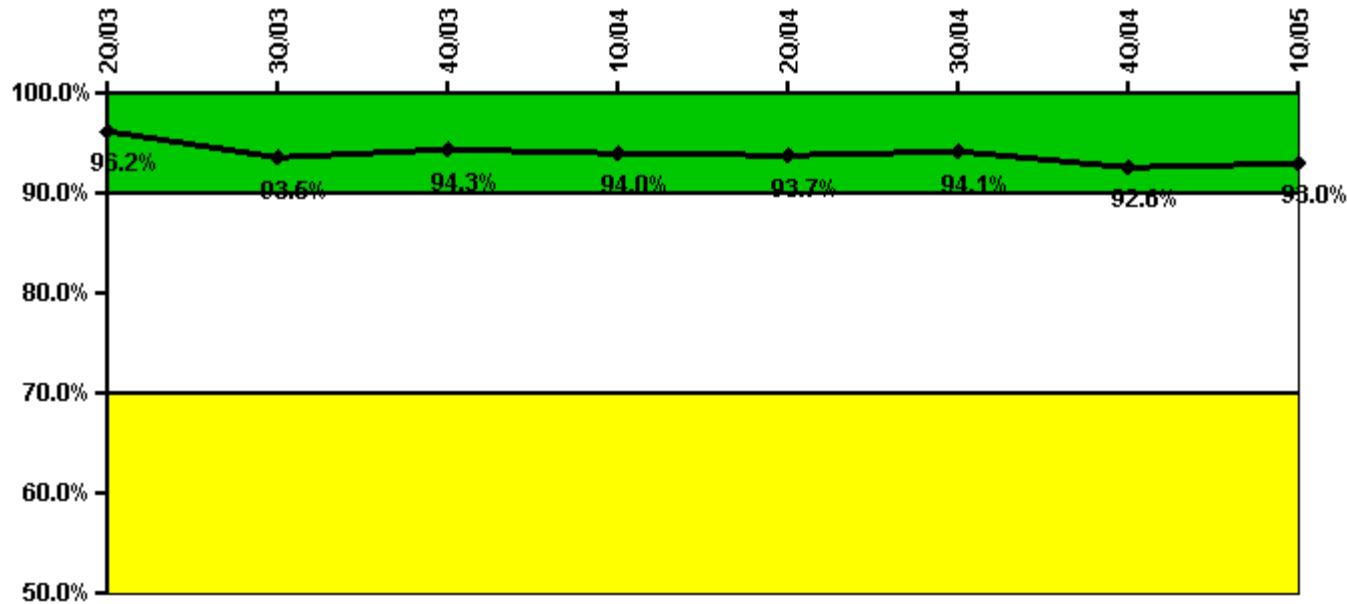
Notes

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	0	0.040	0.040	0.050	0.040	0.030	0.030	0.050	0.060	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0.4	0.4	0.5	0.4	0.3	0.3	0.5	0.6	0.2	0.2

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.040	0.080	0.040	0.060	0.040	0.020	0.020	0.060	0.030	0.020	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.8	0.4	0.6	0.4	0.2	0.2	0.6	0.3	0.2	0.4	0.3

Licensee Comments: none

Drill/Exercise Performance

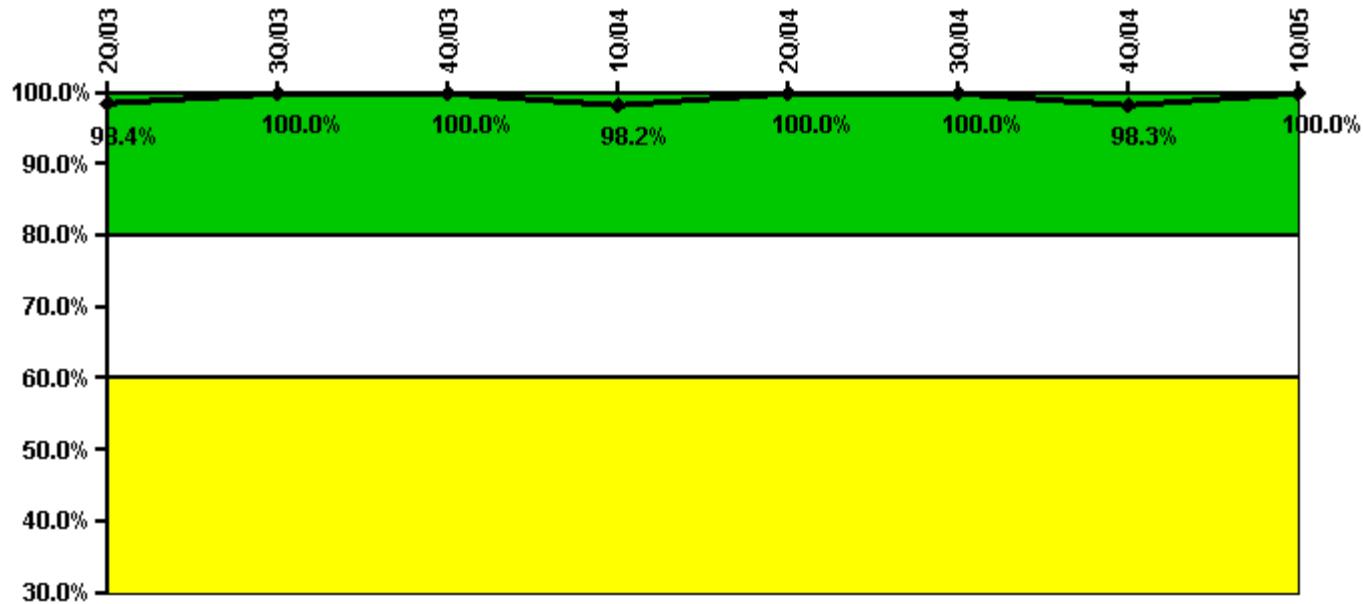


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	0	38.0	35.0	6.0	17.0	38.0	16.0	10.0
Total opportunities	0	44.0	38.0	6.0	18.0	40.0	16.0	10.0
Indicator value	96.2%	93.5%	94.3%	94.0%	93.7%	94.1%	92.6%	93.0%

Licensee Comments: none

ERO Drill Participation

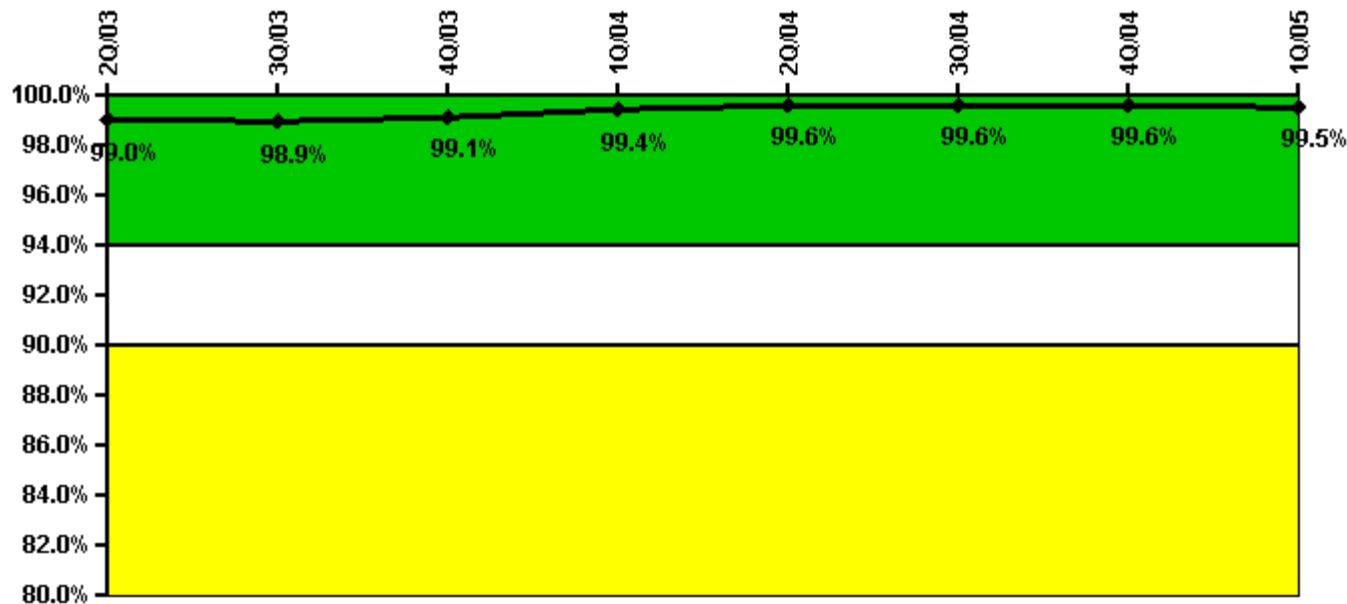
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	62.0	62.0	63.0	56.0	57.0	58.0	58.0	82.0
Total Key personnel	63.0	62.0	63.0	57.0	57.0	58.0	59.0	82.0
Indicator value	98.4%	100.0%	100.0%	98.2%	100.0%	100.0%	98.3%	100.0%

Licensee Comments: none

Alert & Notification System

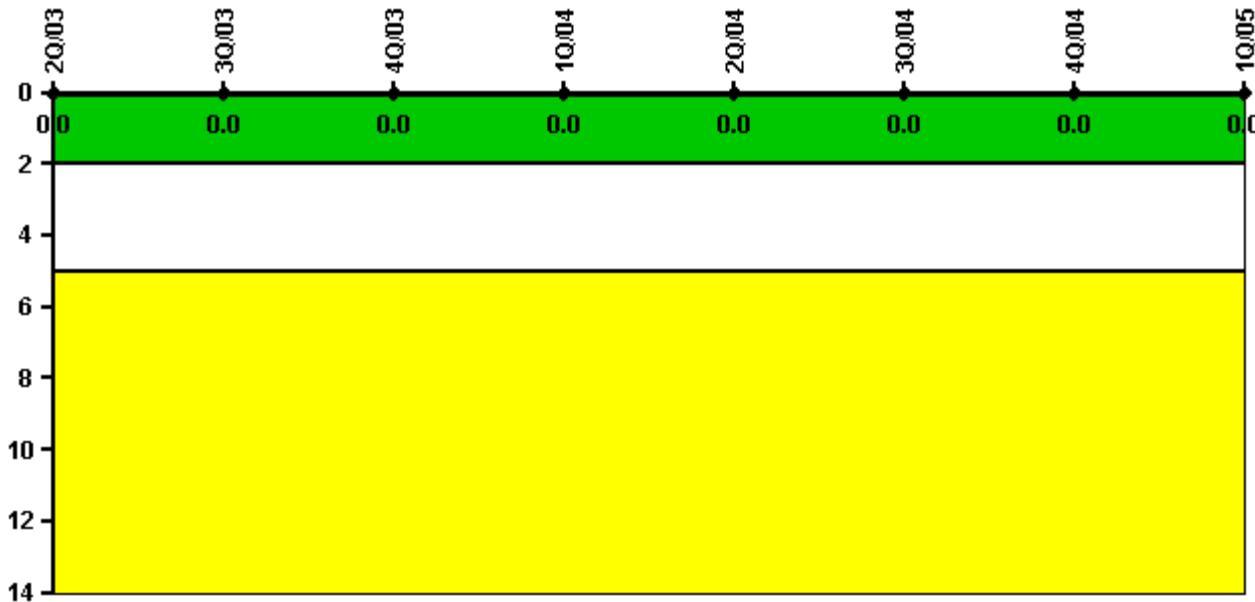


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	961	855	971	756	966	858	969	753
Total sirens-tests	972	864	972	756	972	864	972	756
Indicator value	99.0%	98.9%	99.1%	99.4%	99.6%	99.6%	99.6%	99.5%

Licensee Comments: none

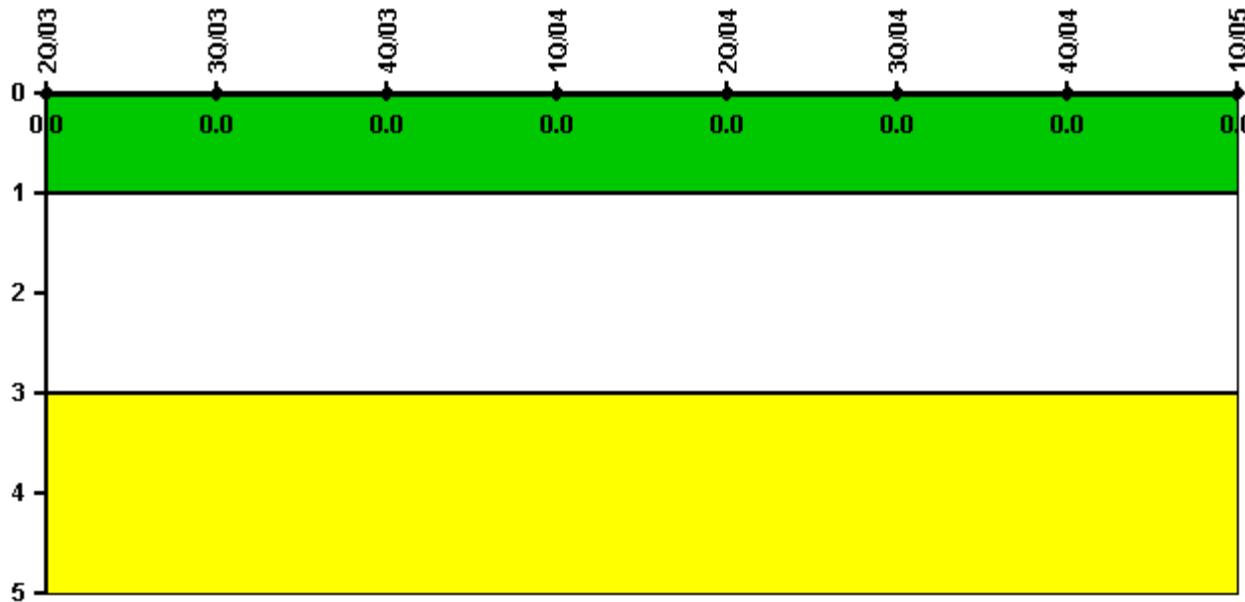
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	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](#)

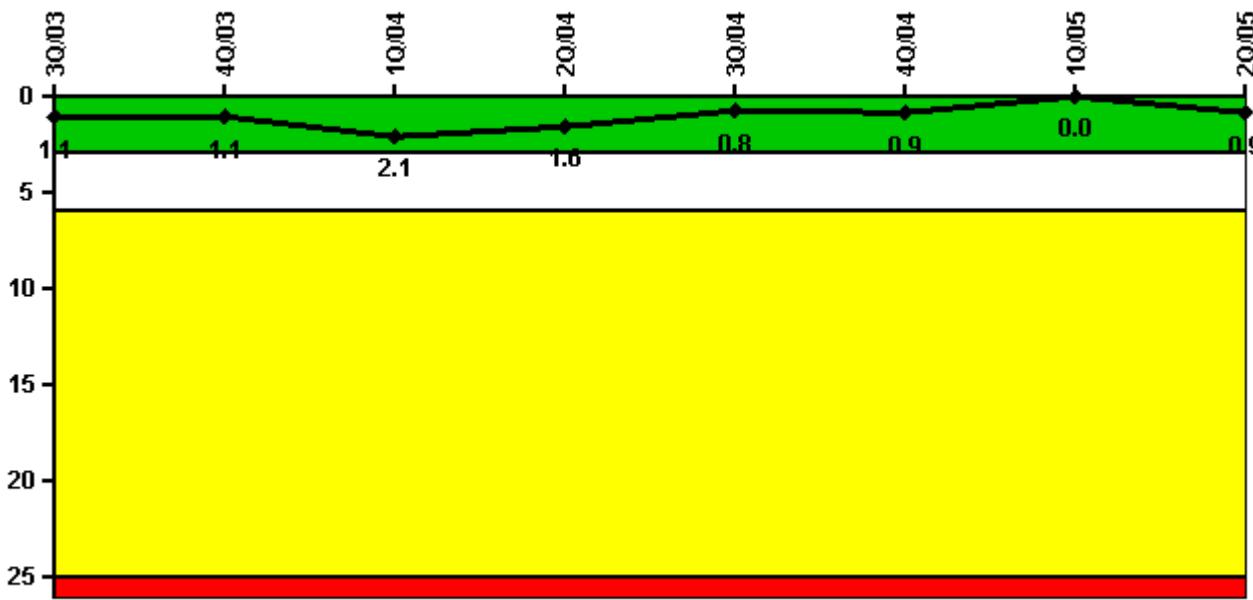
Last Modified: June 17, 2005

Sequoyah 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

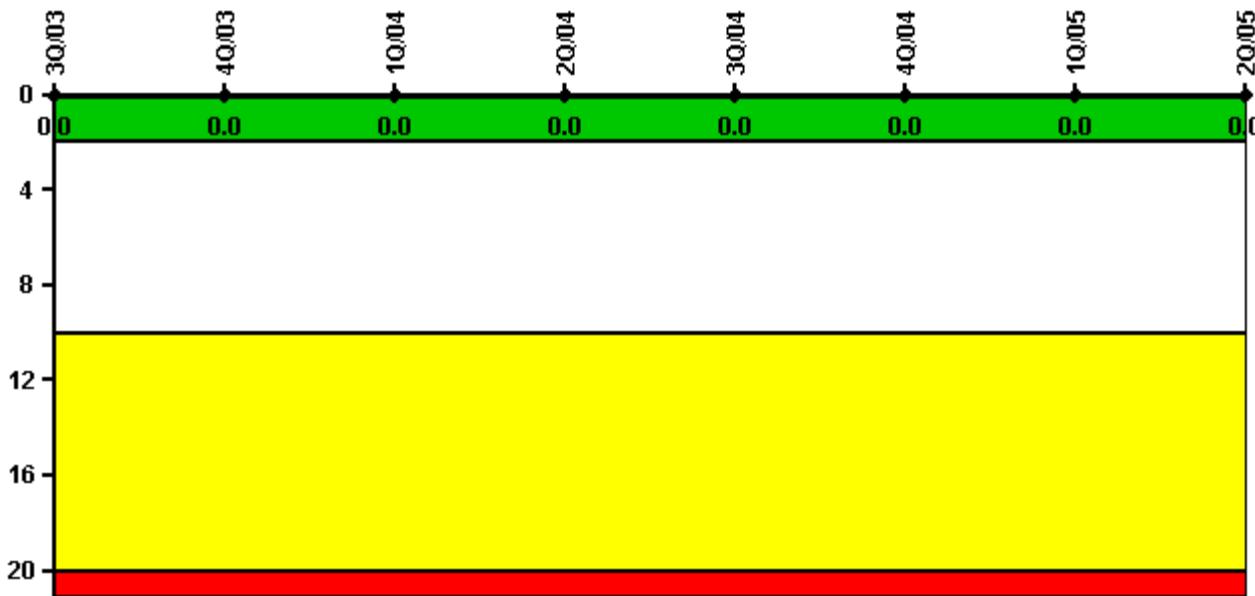


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0
Critical hours	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9
Indicator value	1.1	1.1	2.1	1.6	0.8	0.9	0	0.9

Licensee Comments: none

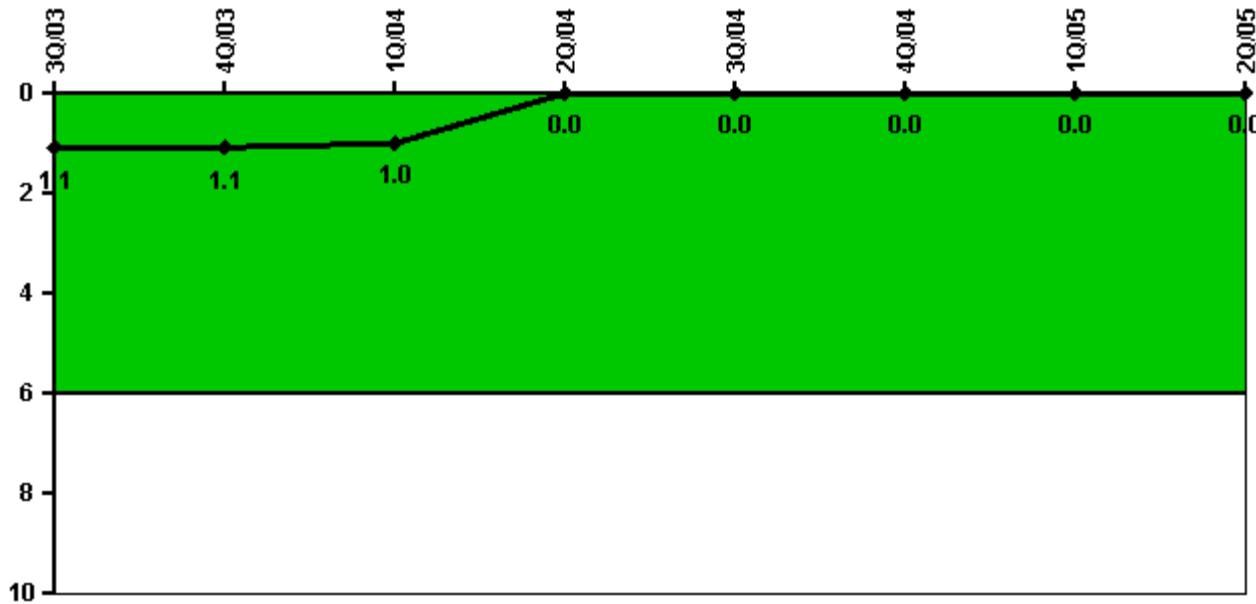
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

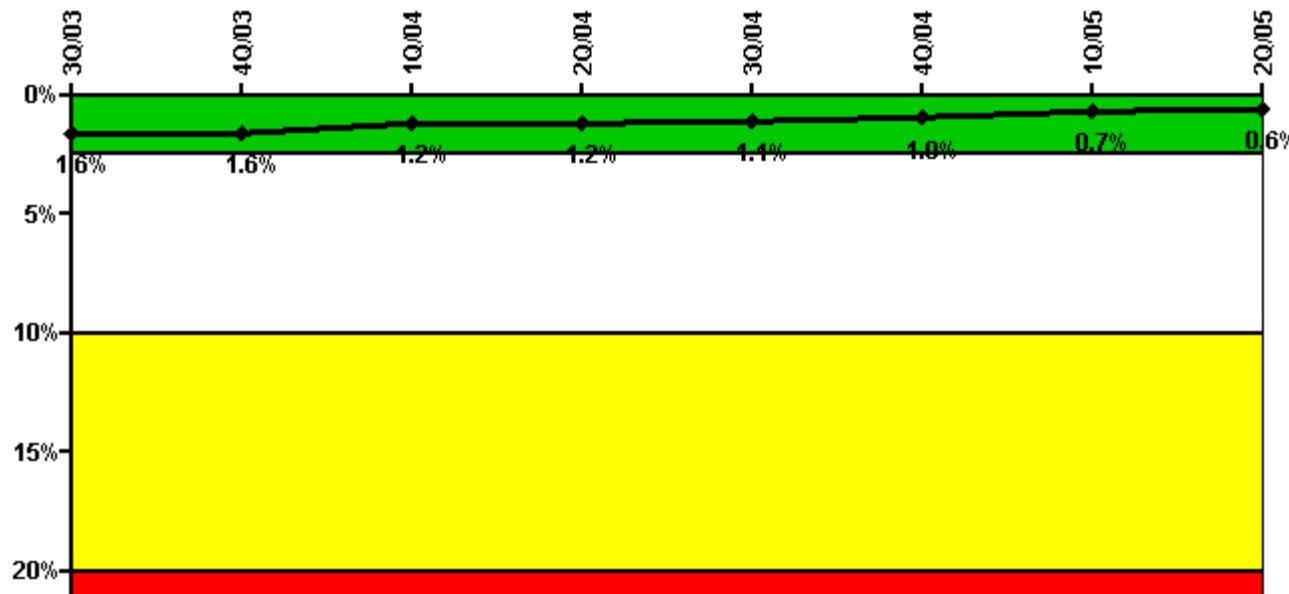
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2128.6	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9
Indicator value	1.1	1.1	1.0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



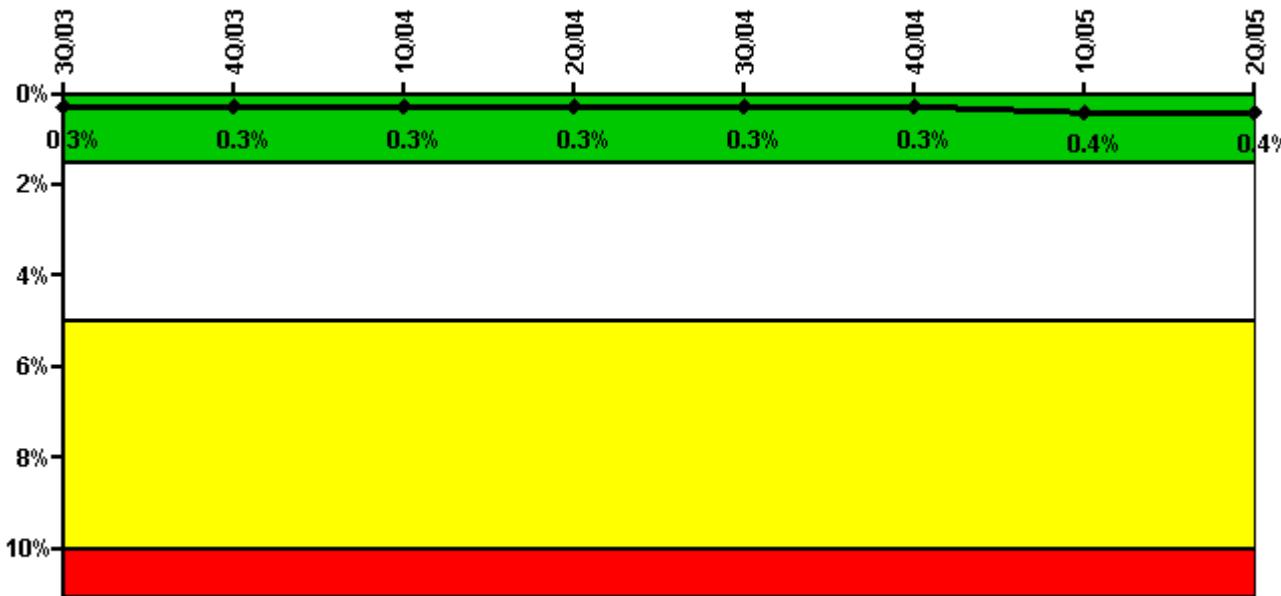
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	57.21	29.95	13.46	7.18	5.70	9.16	3.94	4.87
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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	41.53	6.55	10.04	6.17	11.77	6.06	7.26	6.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	51.06	7.35	11.98	5.02	12.52	3.70	7.94	6.92
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 4								
Planned unavailable hours	36.36	10.78	6.80	6.22	10.37	14.50	4.38	9.75
Unplanned unavailable hours	0.62	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.6%	1.6%	1.2%	1.2%	1.1%	1.0%	0.7%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

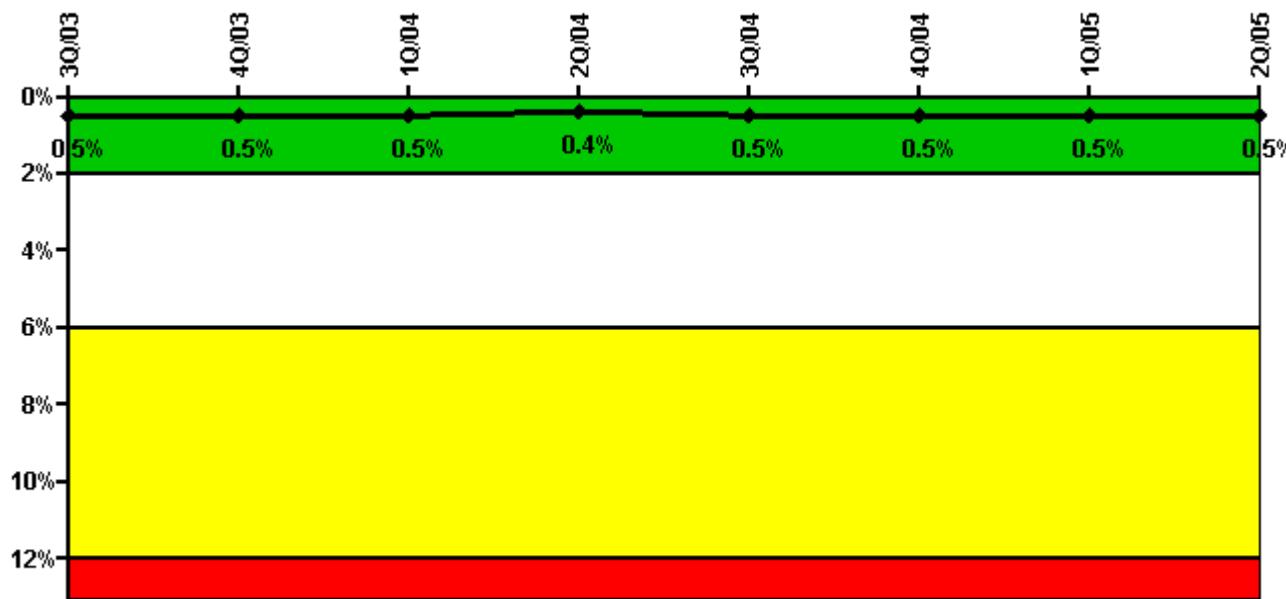
Notes

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	2.60	24.70	3.50	3.40	2.90	1.20	5.60	4.20
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	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00	2183.00
Train 2								
Planned unavailable hours	3.20	7.70	1.30	2.30	20.40	0.60	7.10	4.30
Unplanned unavailable hours	0	7.80	0	0	0	0	0	9.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00	2183.00
Train 3								
Planned unavailable hours	11.20	2.00	12.60	2.40	1.90	22.40	37.00	26.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1689.90	2160.00	2183.00
Train 4								
Planned unavailable hours	3.20	2.50	8.40	2.60	8.20	9.60	4.30	9.80
Unplanned unavailable hours	0	0	0	4.30	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1689.90	2160.00	2183.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



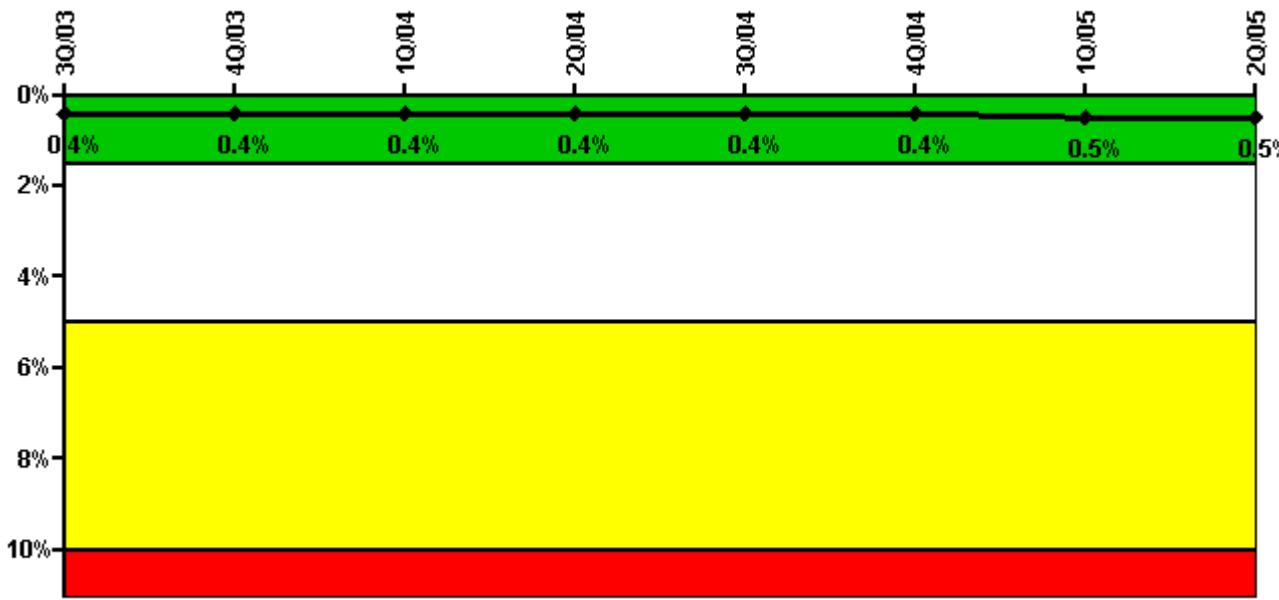
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

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	1657.48	2160.00	2183.00
Indicator value	0.5%	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



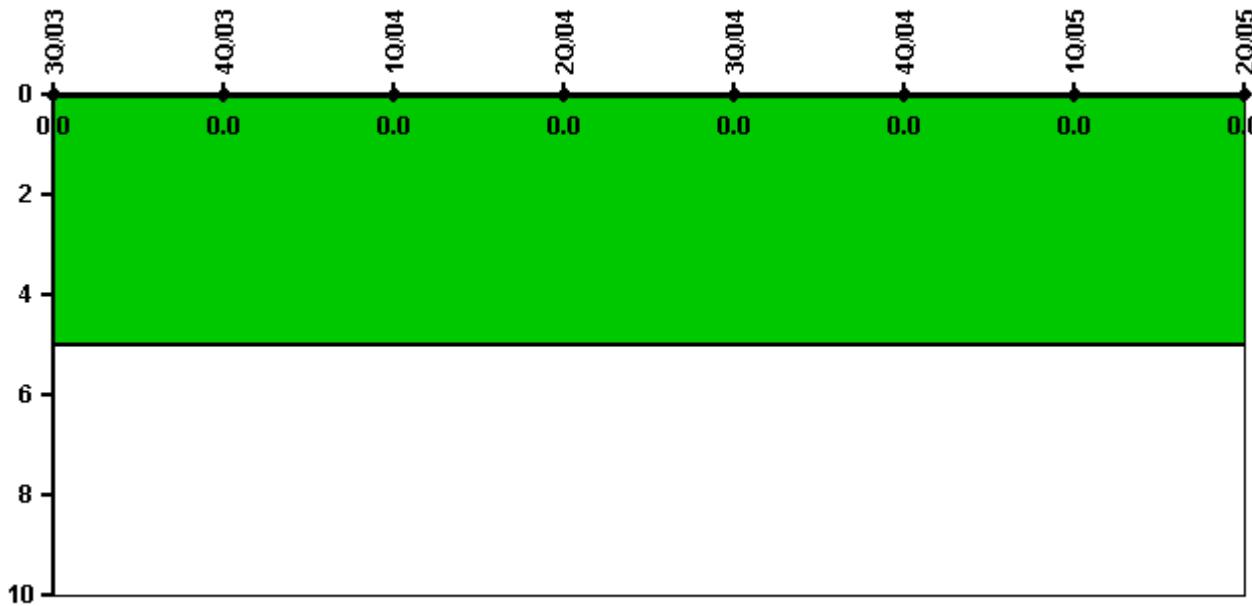
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	2.50	2.00	7.30	3.70	10.70	12.00	21.50	4.20
Unplanned unavailable hours	0	0	0	0	14.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00
Train 2								
Planned unavailable hours	4.10	43.40	1.30	2.30	26.30	10.40	5.20	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	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



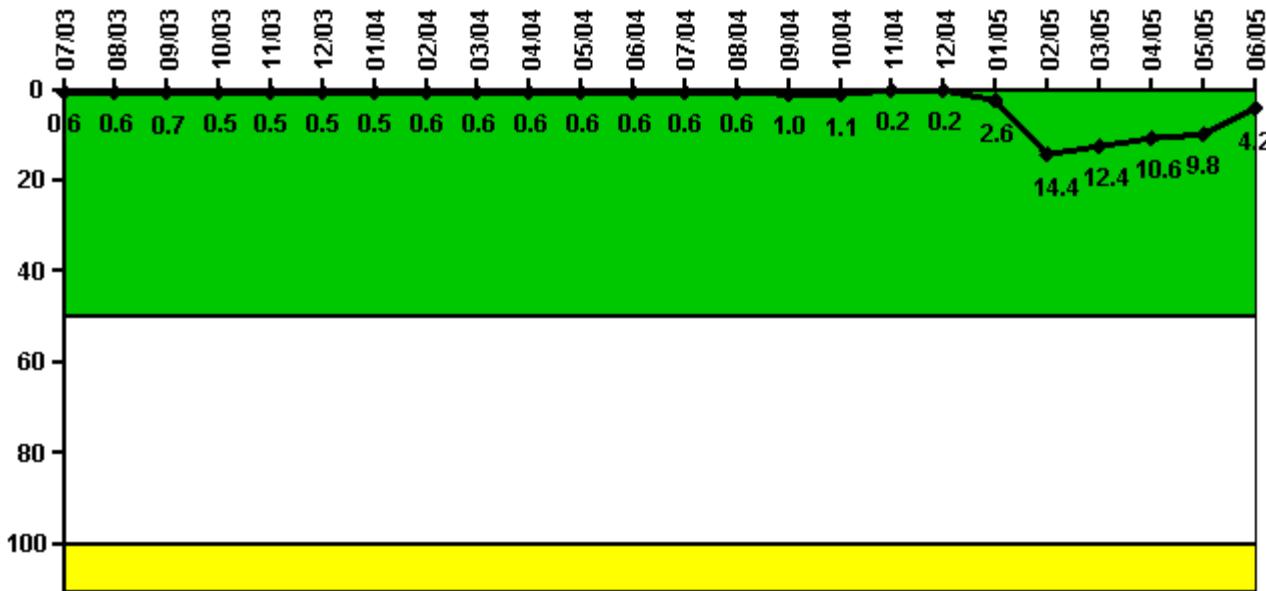
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	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



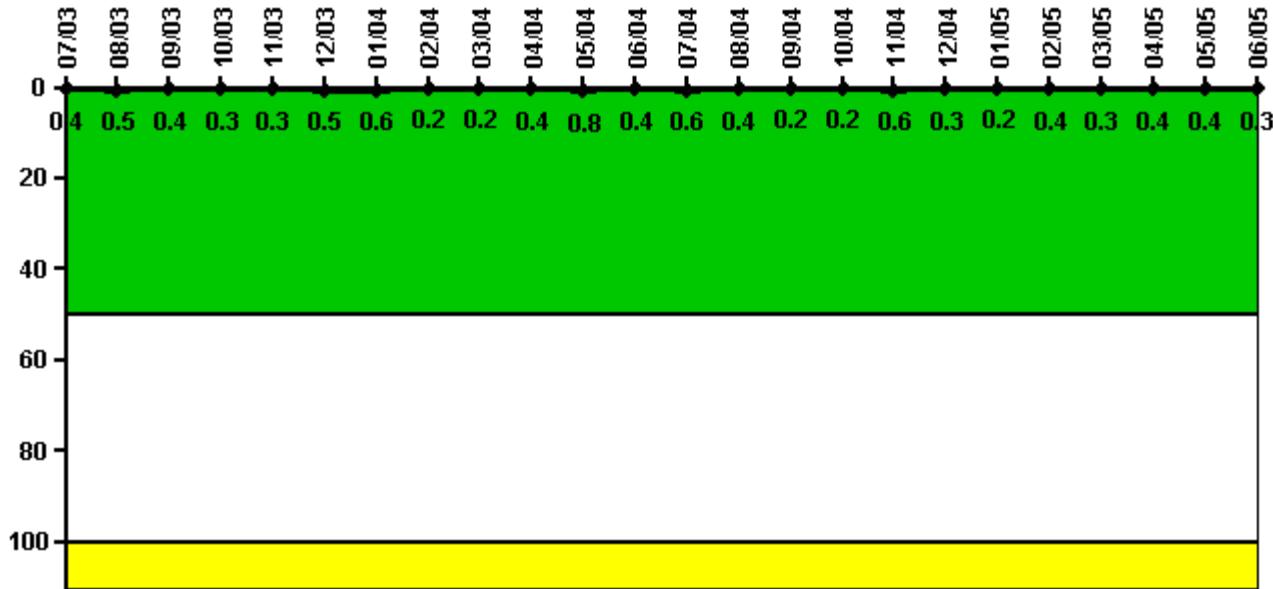
Thresholds: White > 50.0 Yellow > 100.0

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	0.001490	0.001600	0.001680	0.001640	0.001770	0.001810	0.001910	0.001950	0.001950	0.001950	0.002000	0.002140
Technical specification limit	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.7	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
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	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	1.0	1.1	0.2	0.2	2.6	14.4	12.4	10.6	9.8	4.2

Licensee Comments: none

Reactor Coolant System Leakage

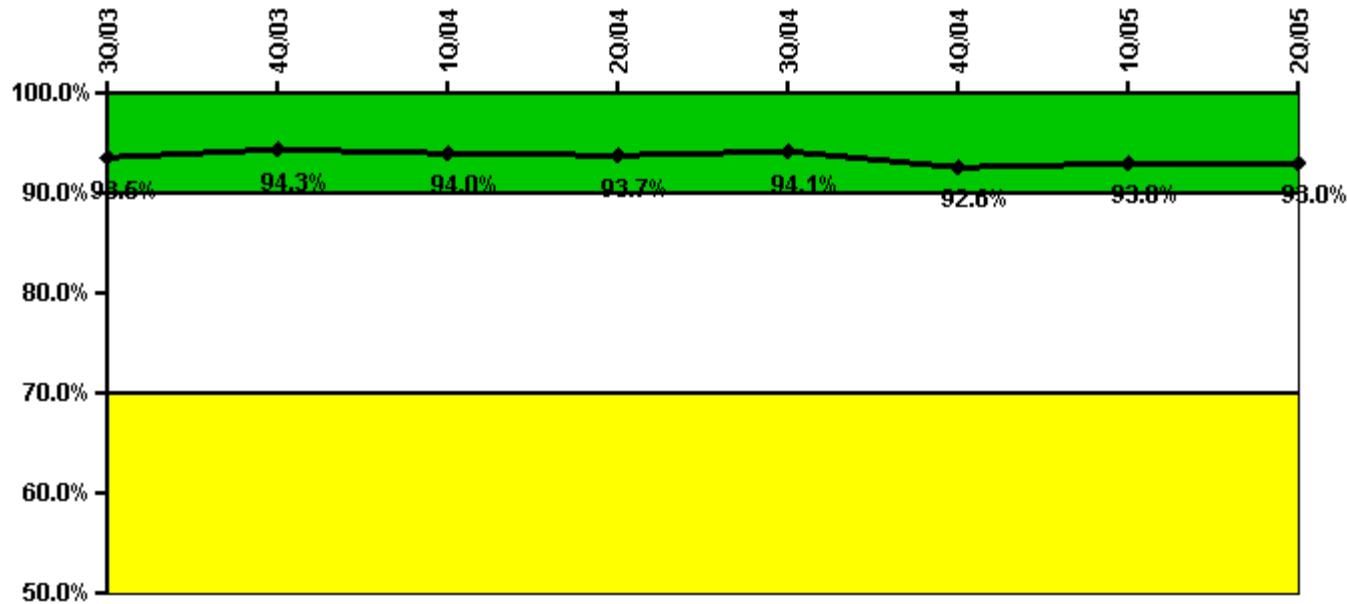


Thresholds: White > 50.0 Yellow > 100.0

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	0.040	0.050	0.040	0.030	0.030	0.050	0.060	0.020	0.020	0.040	0.080	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.5	0.4	0.3	0.3	0.5	0.6	0.2	0.2	0.4	0.8	0.4
Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.060	0.040	0.020	0.020	0.060	0.030	0.020	0.040	0.030	0.040	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.4	0.2	0.2	0.6	0.3	0.2	0.4	0.3	0.4	0.4	0.3

Licensee Comments: none

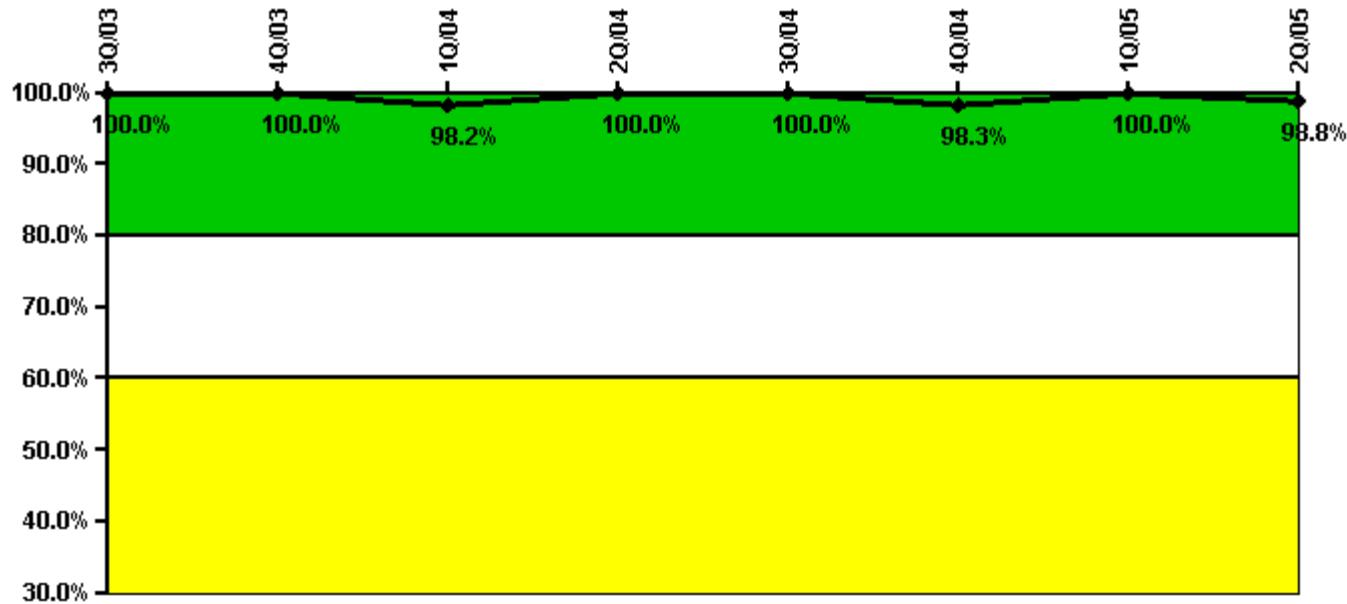
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	38.0	35.0	6.0	17.0	38.0	16.0	10.0	0
Total opportunities	44.0	38.0	6.0	18.0	40.0	16.0	10.0	0
Indicator value	93.5%	94.3%	94.0%	93.7%	94.1%	92.6%	93.0%	93.0%

Licensee Comments: none

ERO Drill Participation

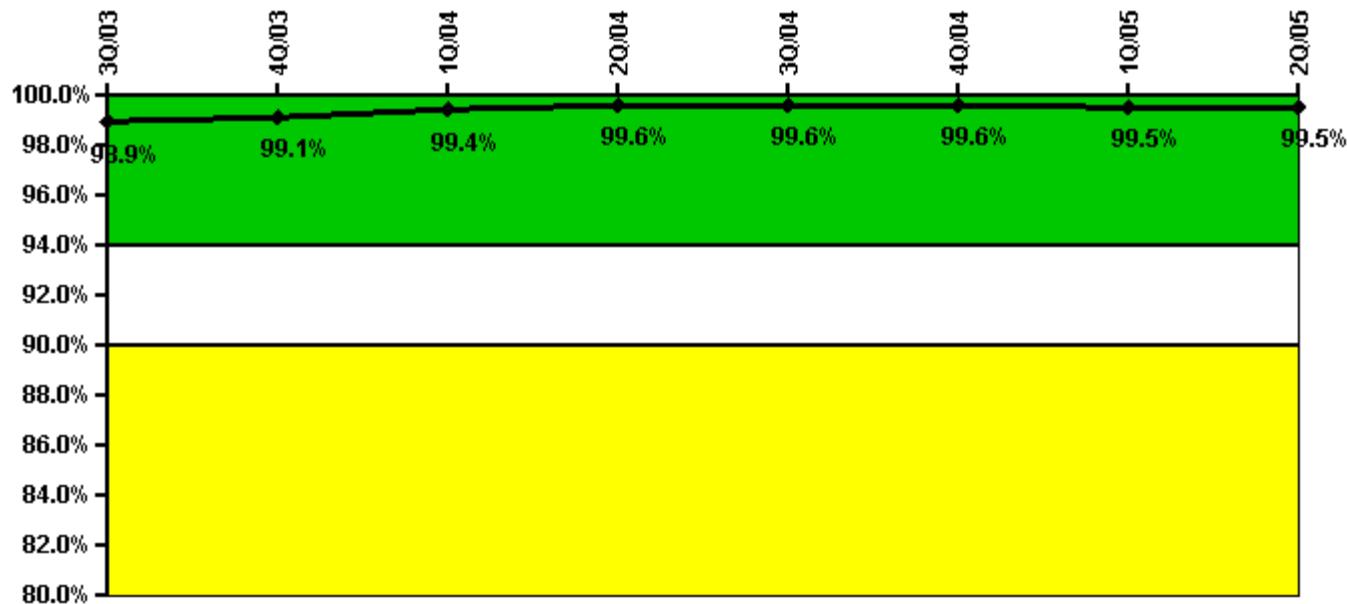
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	62.0	63.0	56.0	57.0	58.0	58.0	83.0	83.0
Total Key personnel	62.0	63.0	57.0	57.0	58.0	59.0	83.0	84.0
Indicator value	100.0%	100.0%	98.2%	100.0%	100.0%	98.3%	100.0%	98.8%

Licensee Comments: none

Alert & Notification System

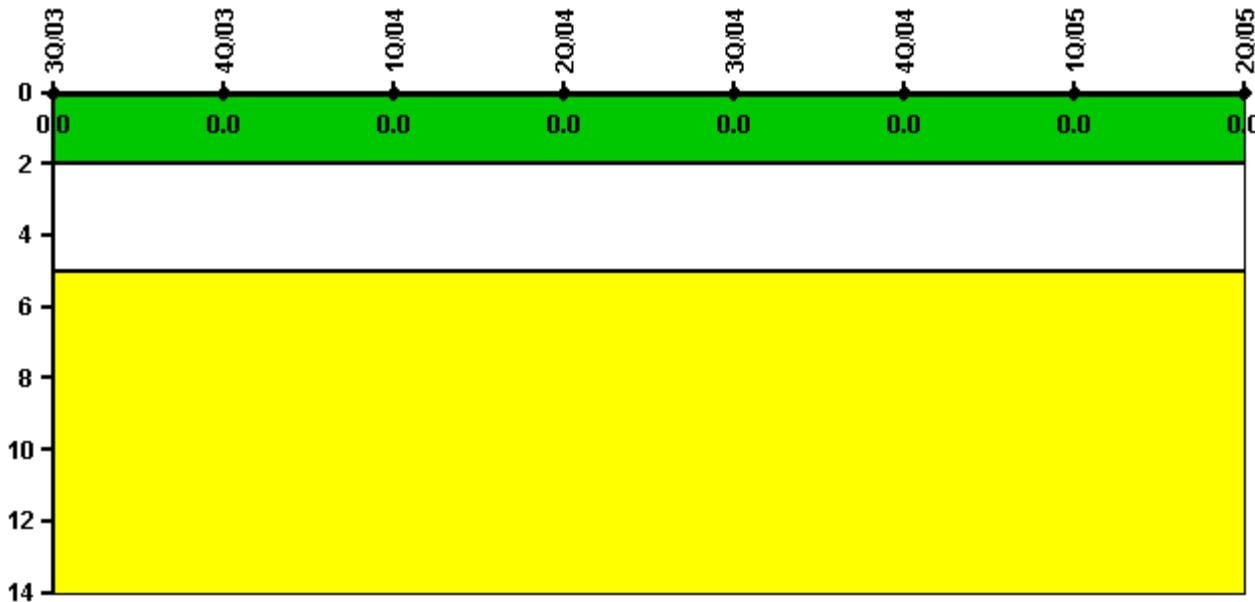


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	855	971	756	966	858	969	753	967
Total sirens-tests	864	972	756	972	864	972	756	972
Indicator value	98.9%	99.1%	99.4%	99.6%	99.6%	99.6%	99.5%	99.5%

Licensee Comments: none

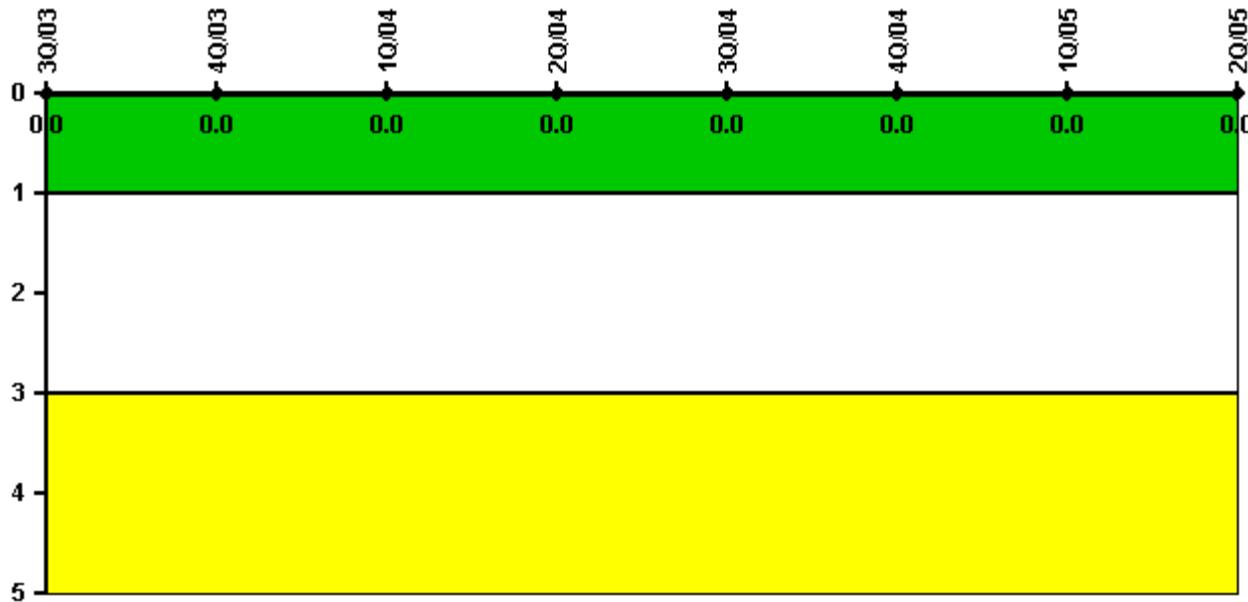
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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.

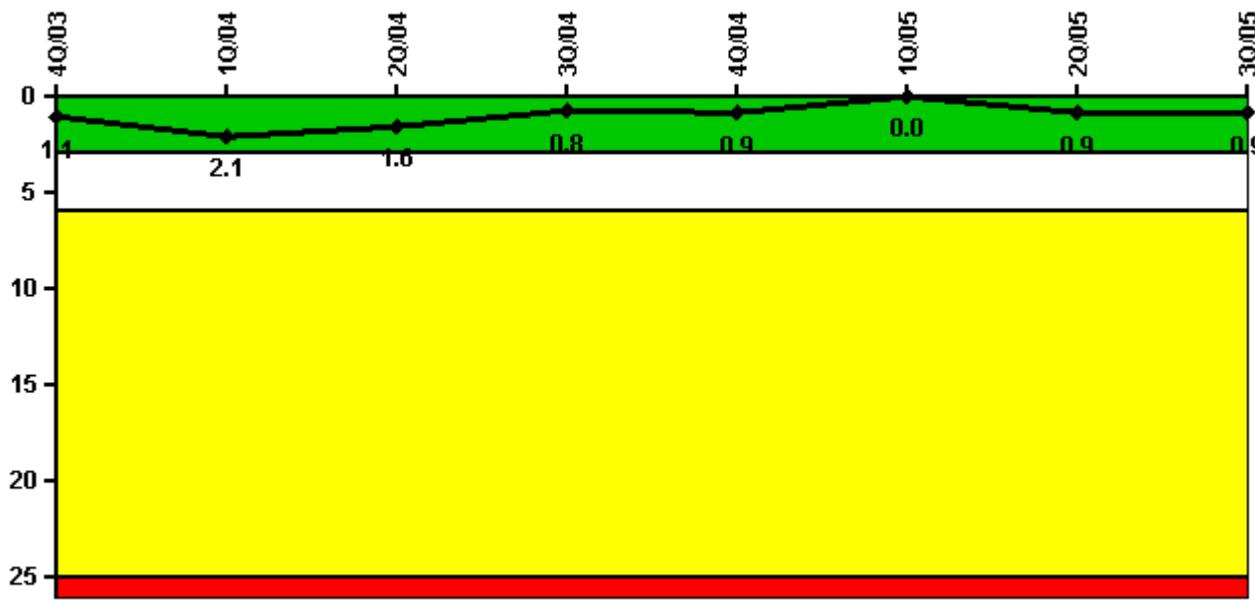


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 3, 2005

Sequoyah 1**3Q/2005 Performance Indicators**

Licensee's General Comments: none

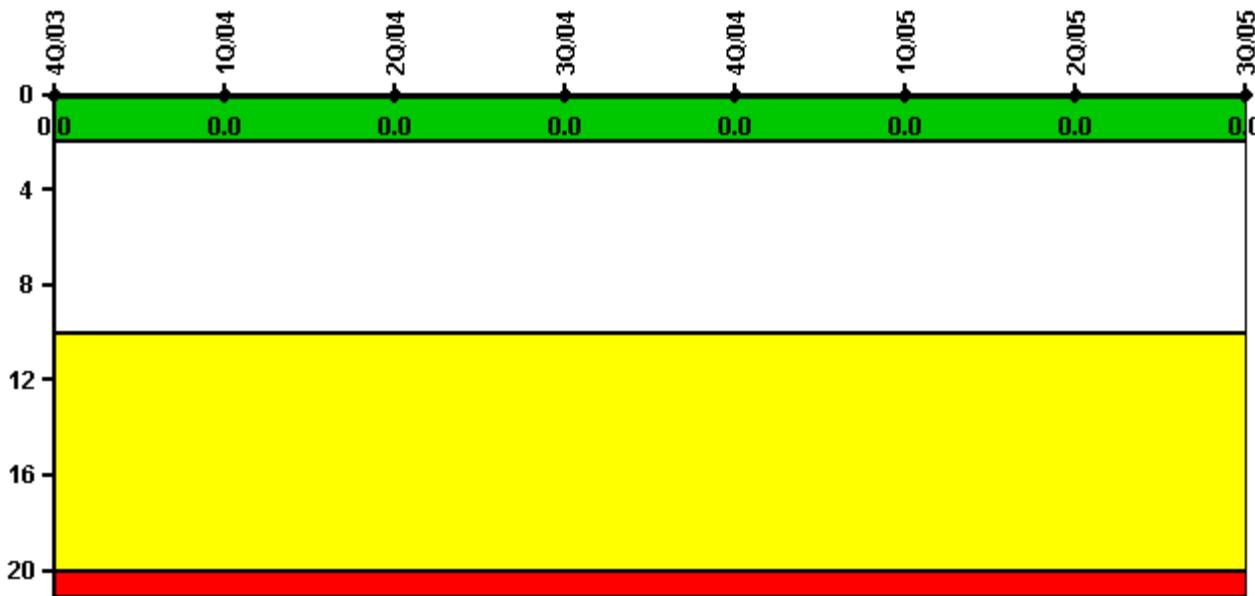
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	1.0	0
Critical hours	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0
Indicator value	1.1	2.1	1.6	0.8	0.9	0	0.9	0.9

Licensee Comments: none

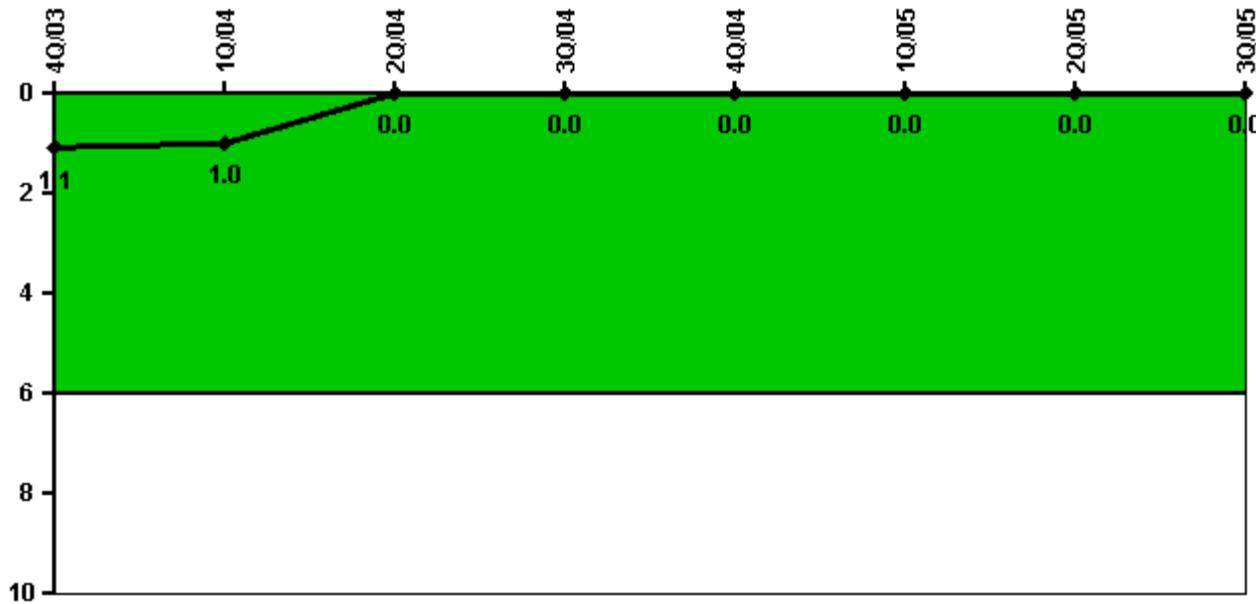
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

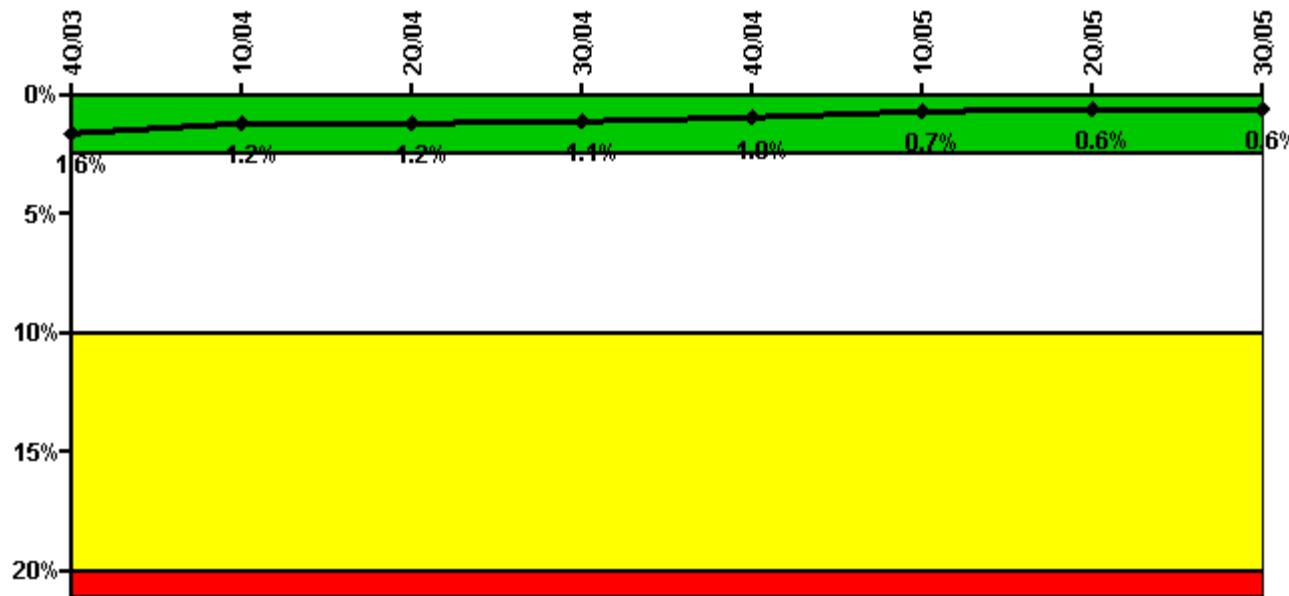
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0
Indicator value	1.1	1.0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



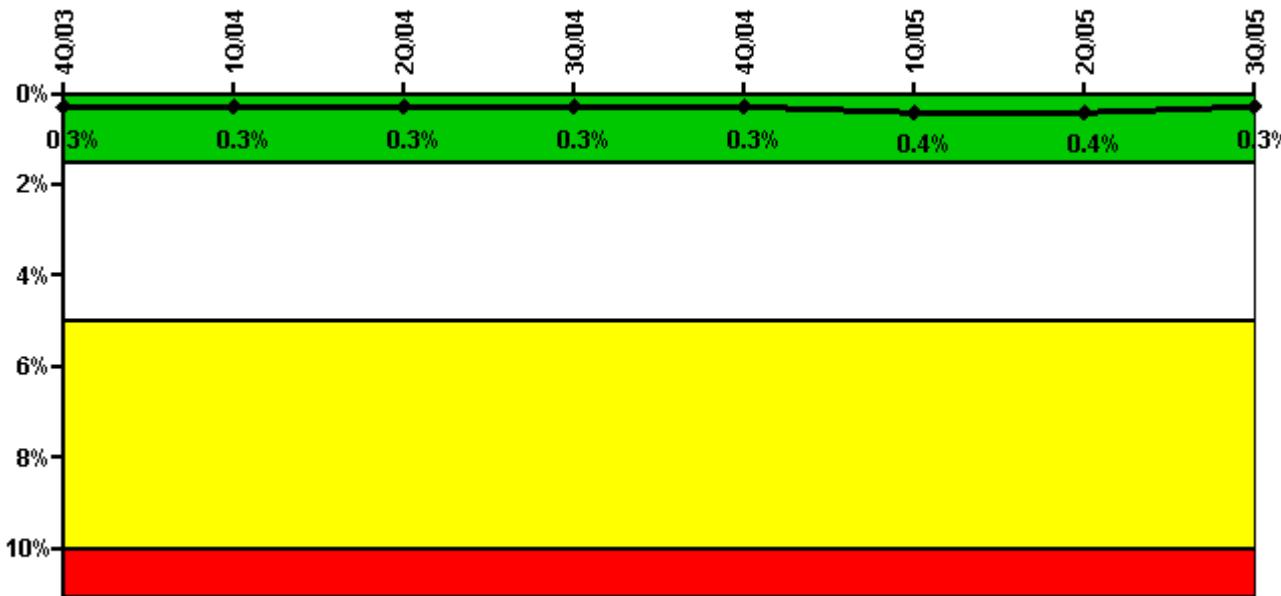
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	29.95	13.46	7.18	5.70	9.16	3.94	4.87	37.39
Unplanned unavailable hours	0	0	0	0	0	0	0	25.67
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	6.55	10.04	6.17	11.77	6.06	7.26	6.77	8.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	7.35	11.98	5.02	12.52	3.70	7.94	6.92	23.20
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	10.78	6.80	6.22	10.37	14.50	4.38	9.75	22.39
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.6%	1.2%	1.2%	1.1%	1.0%	0.7%	0.6%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

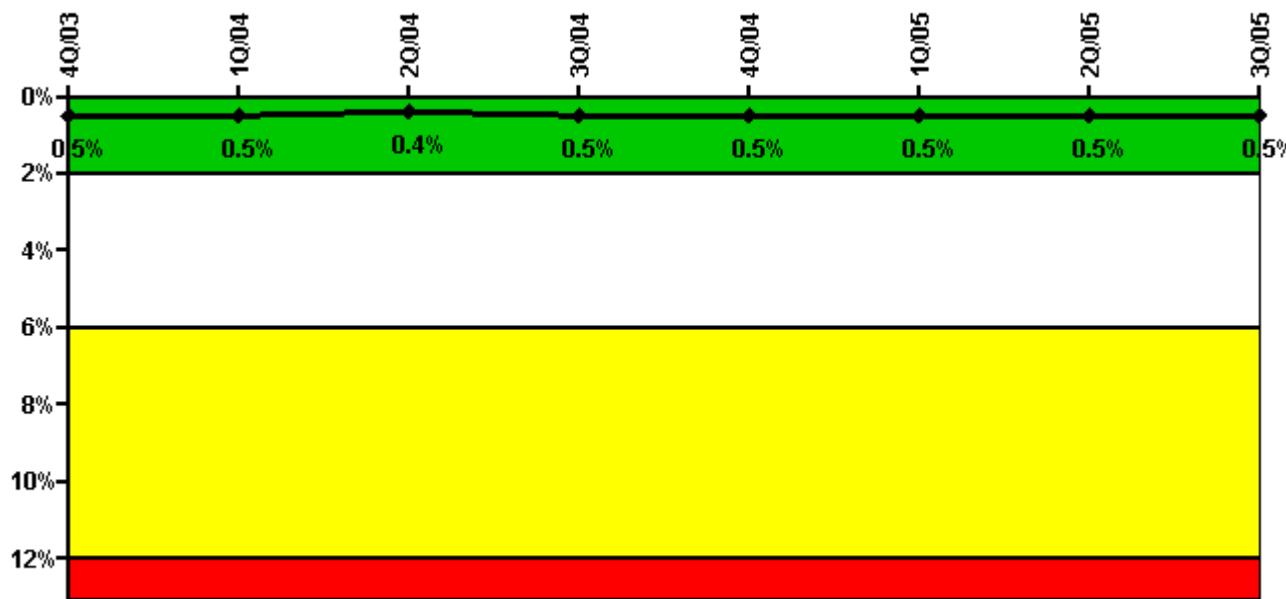
Notes

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	24.70	3.50	3.40	2.90	1.20	5.60	4.20	10.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.70	1.30	2.30	20.40	0.60	7.10	4.30	8.30
Unplanned unavailable hours	7.80	0	0	0	0	0	9.80	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	2209.00	2184.00	2183.00	2208.00	1706.10	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	2.00	12.60	2.40	1.90	22.40	37.00	26.90	8.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1689.90	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	2.50	8.40	2.60	8.20	9.60	4.30	9.80	3.00
Unplanned unavailable hours	0	0	4.30	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1689.90	2160.00	2183.00	2208.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



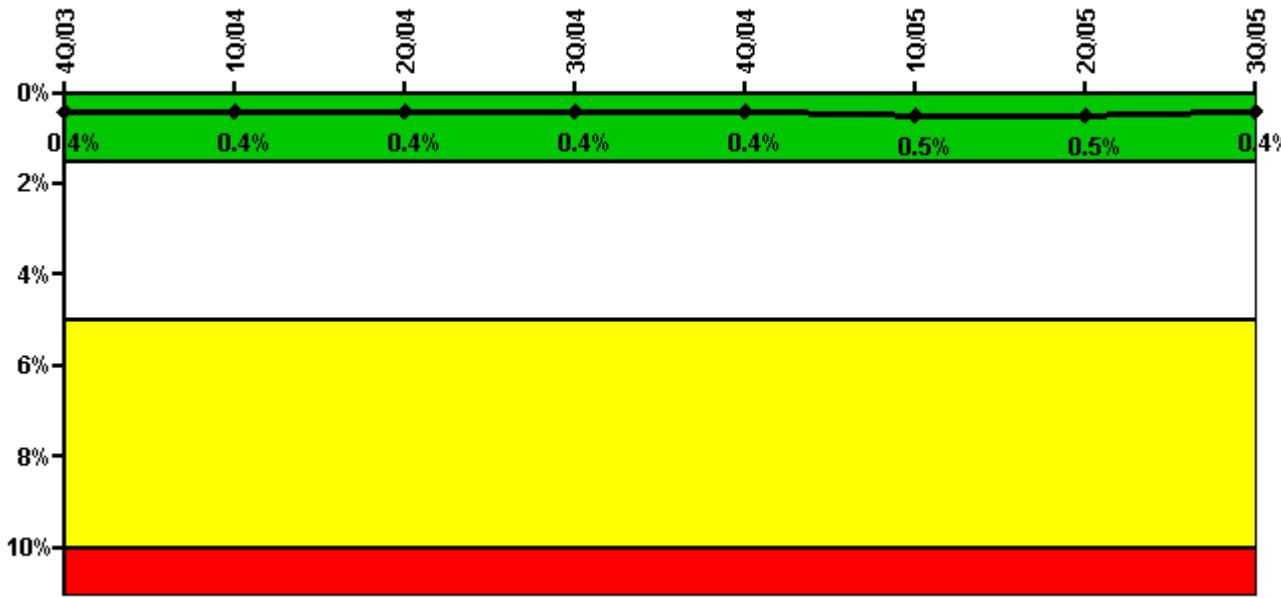
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

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	1657.48	2160.00	2183.00	2208.00
Indicator value	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



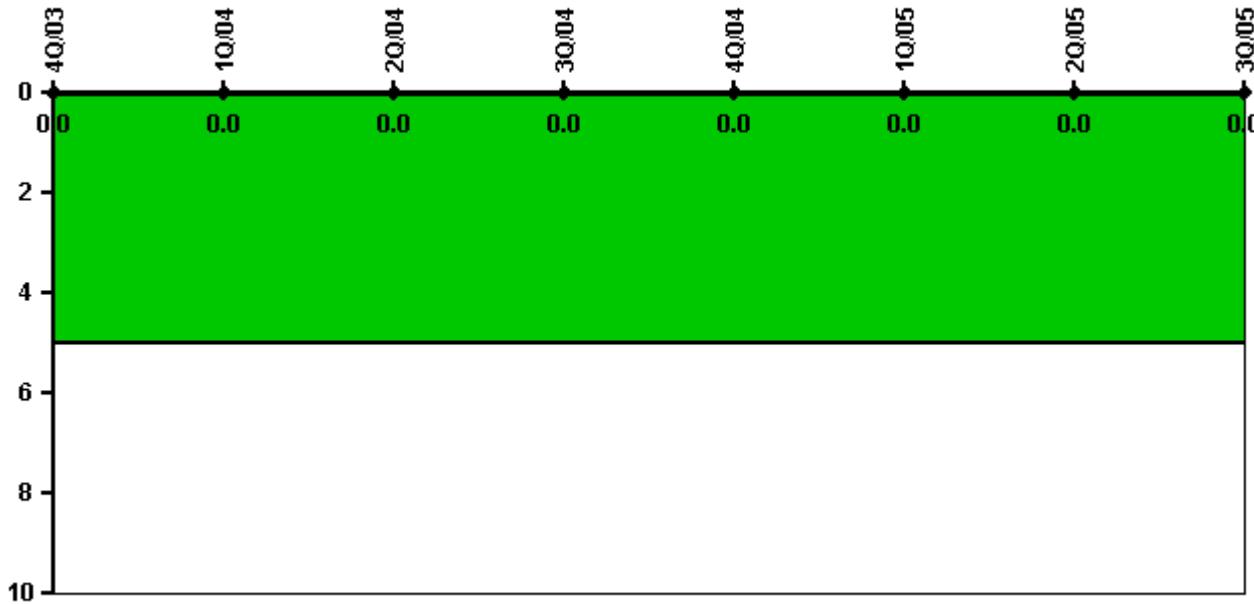
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	2.00	7.30	3.70	10.70	12.00	21.50	4.20	8.80
Unplanned unavailable hours	0	0	0	14.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	43.40	1.30	2.30	26.30	10.40	5.20	10.60	4.80
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	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



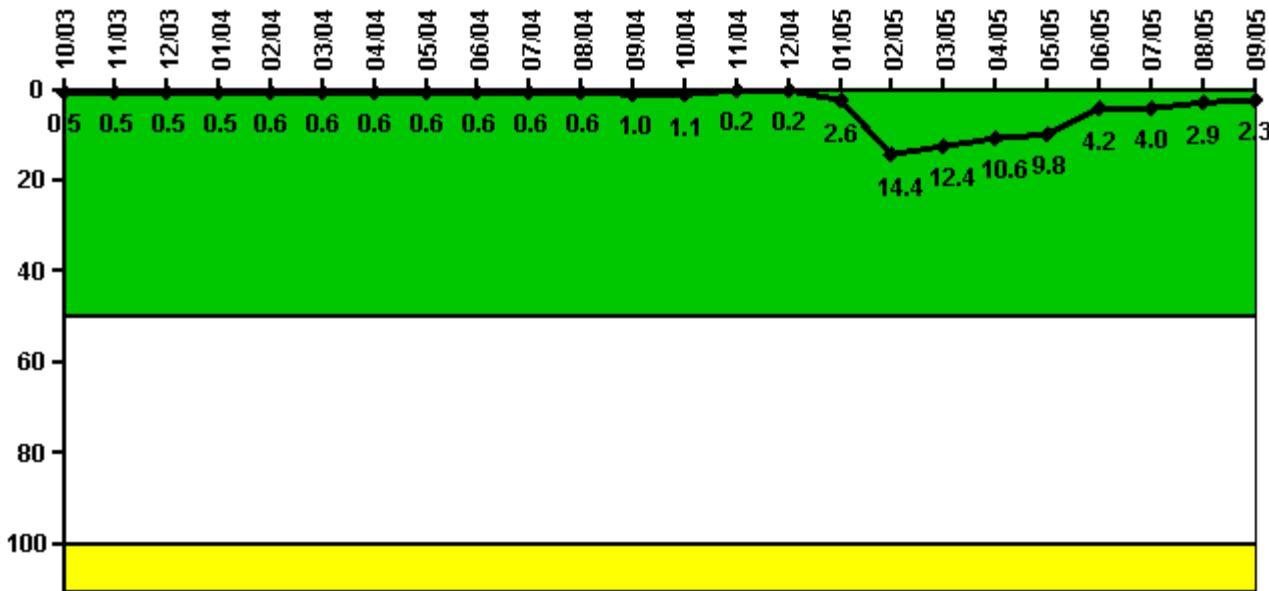
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	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



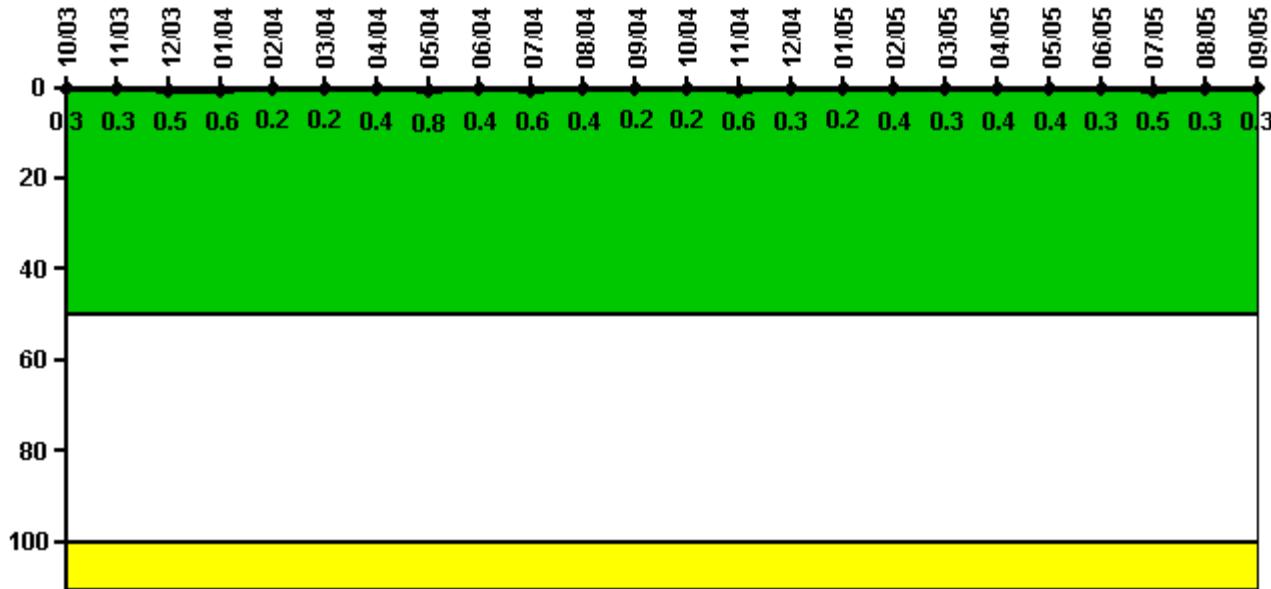
Thresholds: White > 50.0 Yellow > 100.0

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	0.001640	0.001770	0.001810	0.001910	0.001950	0.001950	0.001950	0.002000	0.002140	0.002060	0.002060	0.003552
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.5	0.5	0.5	0.5	0.6	1.0						
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	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.1	0.2	0.2	2.6	14.4	12.4	10.6	9.8	4.2	4.0	2.9	2.3

Licensee Comments: none

Reactor Coolant System Leakage



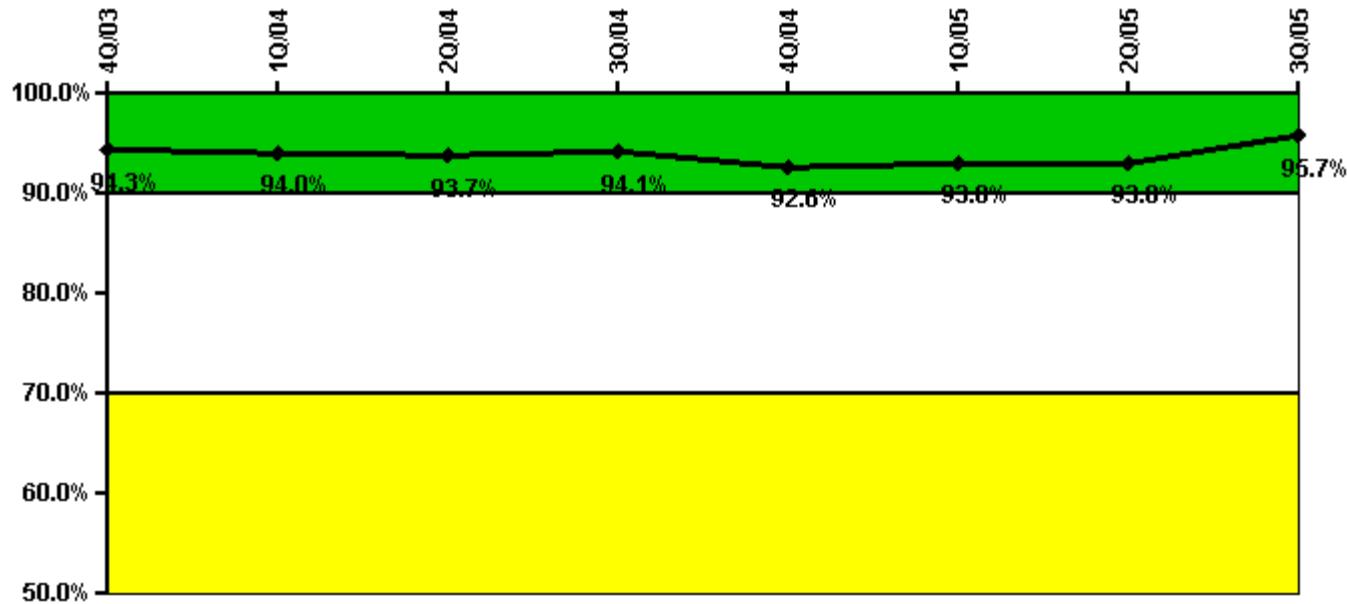
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.030	0.030	0.050	0.060	0.020	0.020	0.040	0.080	0.040	0.060	0.040	0.020
Indicator value	0.3	0.3	0.5	0.6	0.2	0.2	0.4	0.8	0.4	0.6	0.4	0.2
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.020	0.060	0.030	0.020	0.040	0.030	0.040	0.040	0.030	0.050	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.6	0.3	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance

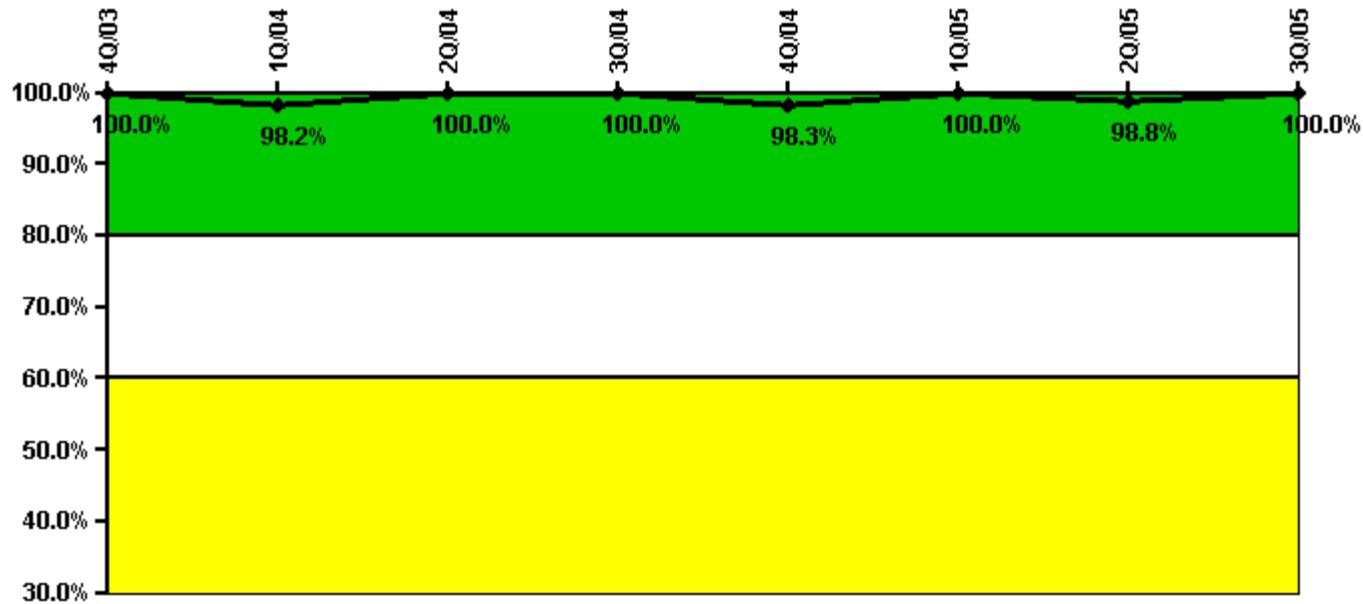


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	35.0	6.0	17.0	38.0	16.0	10.0	0	10.0
Total opportunities	38.0	6.0	18.0	40.0	16.0	10.0	0	10.0
Indicator value	94.3%	94.0%	93.7%	94.1%	92.6%	93.0%	93.0%	95.7%

Licensee Comments: none

ERO Drill Participation

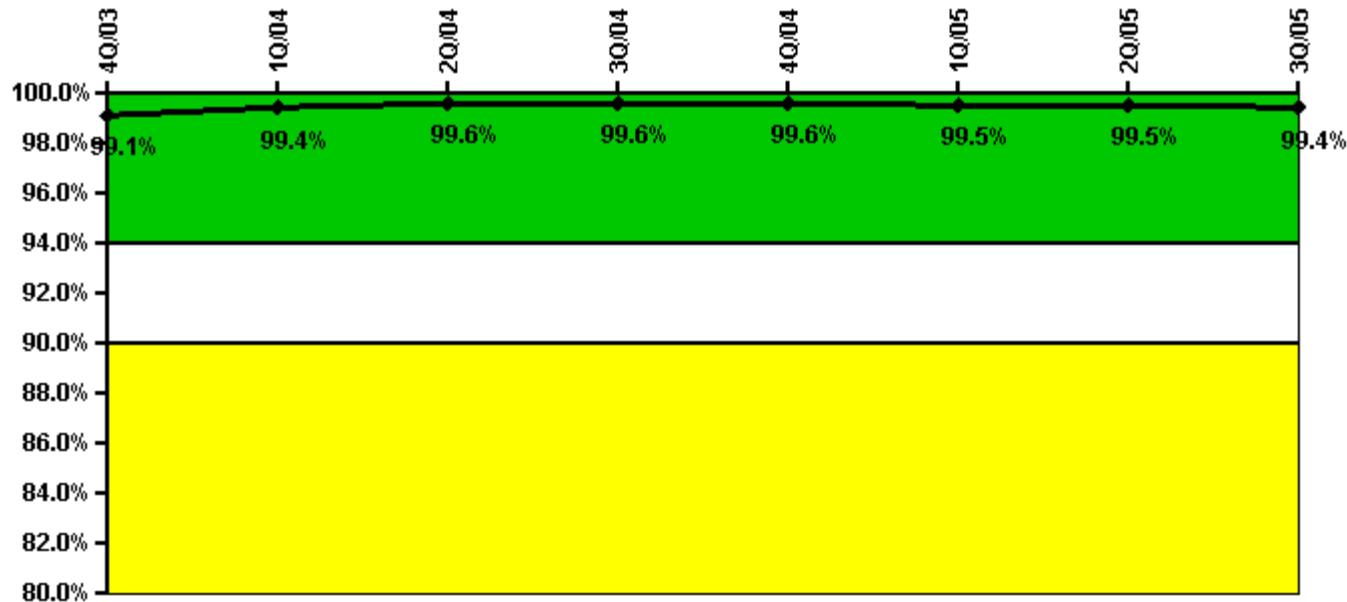
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	63.0	56.0	57.0	58.0	58.0	83.0	83.0	88.0
Total Key personnel	63.0	57.0	57.0	58.0	59.0	83.0	84.0	88.0
Indicator value	100.0%	98.2%	100.0%	100.0%	98.3%	100.0%	98.8%	100.0%

Licensee Comments: none

Alert & Notification System

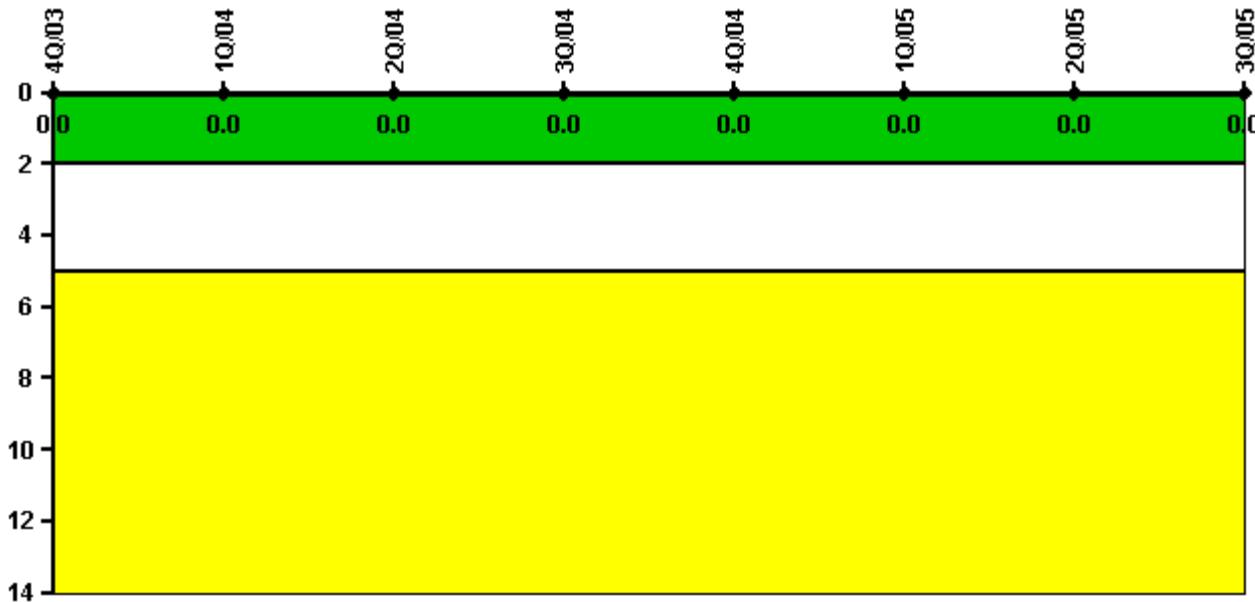


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	971	756	966	858	969	753	967	960
Total sirens-tests	972	756	972	864	972	756	972	972
Indicator value	99.1%	99.4%	99.6%	99.6%	99.6%	99.5%	99.5%	99.4%

Licensee Comments: none

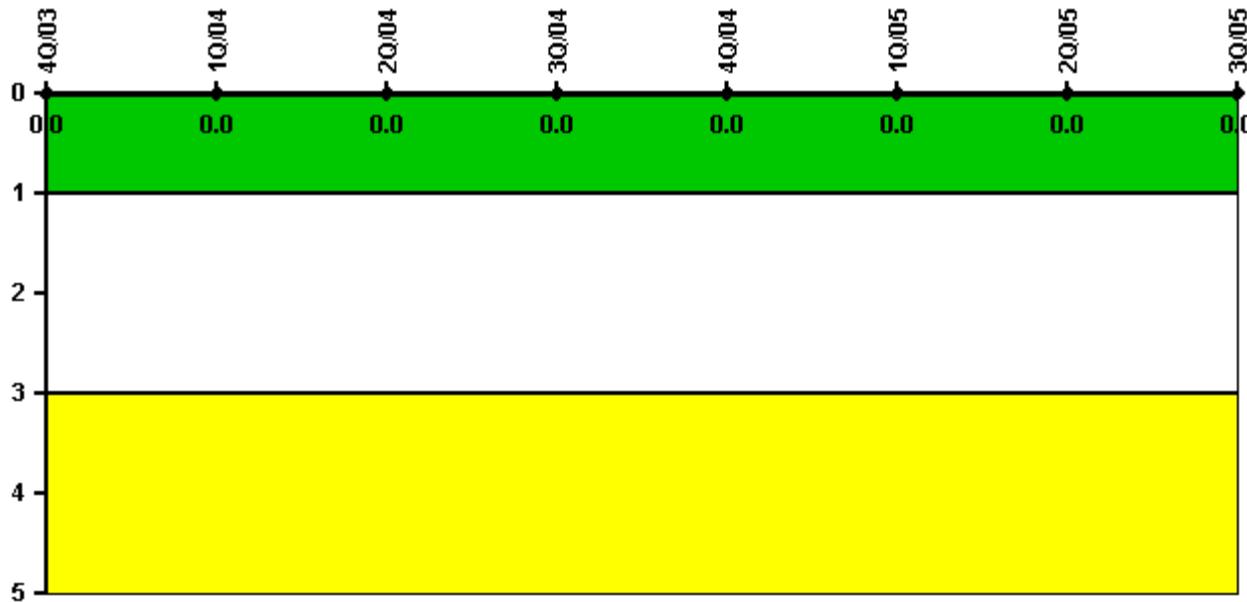
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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.

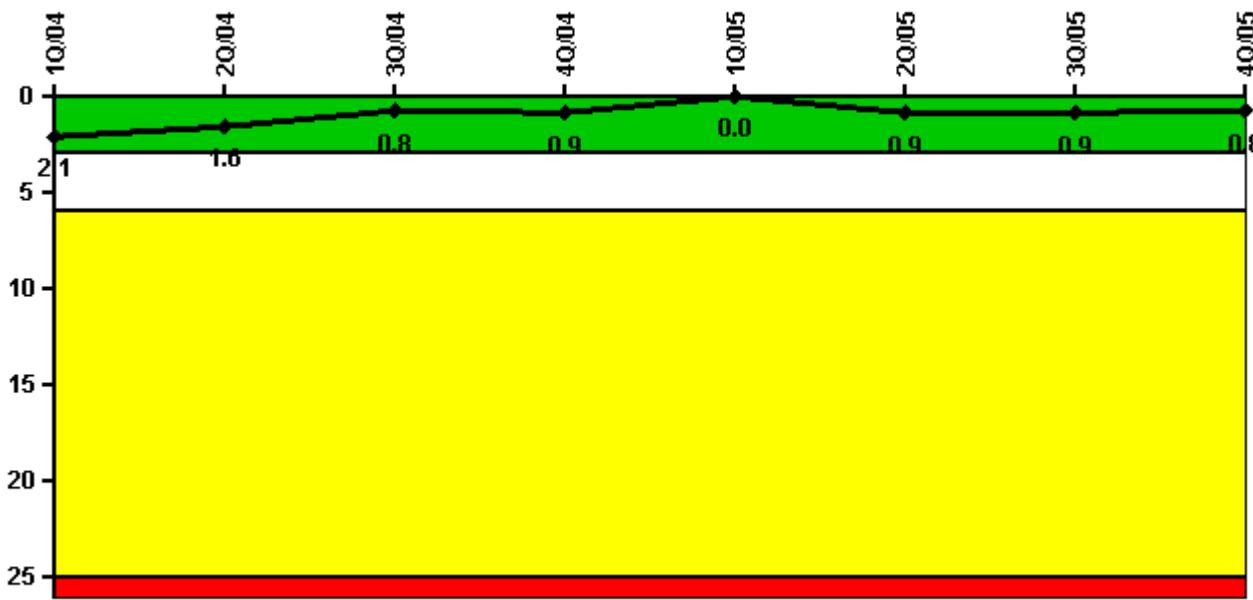


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: November 3, 2005

Sequoyah 1**4Q/2005 Performance Indicators**

Licensee's General Comments: none

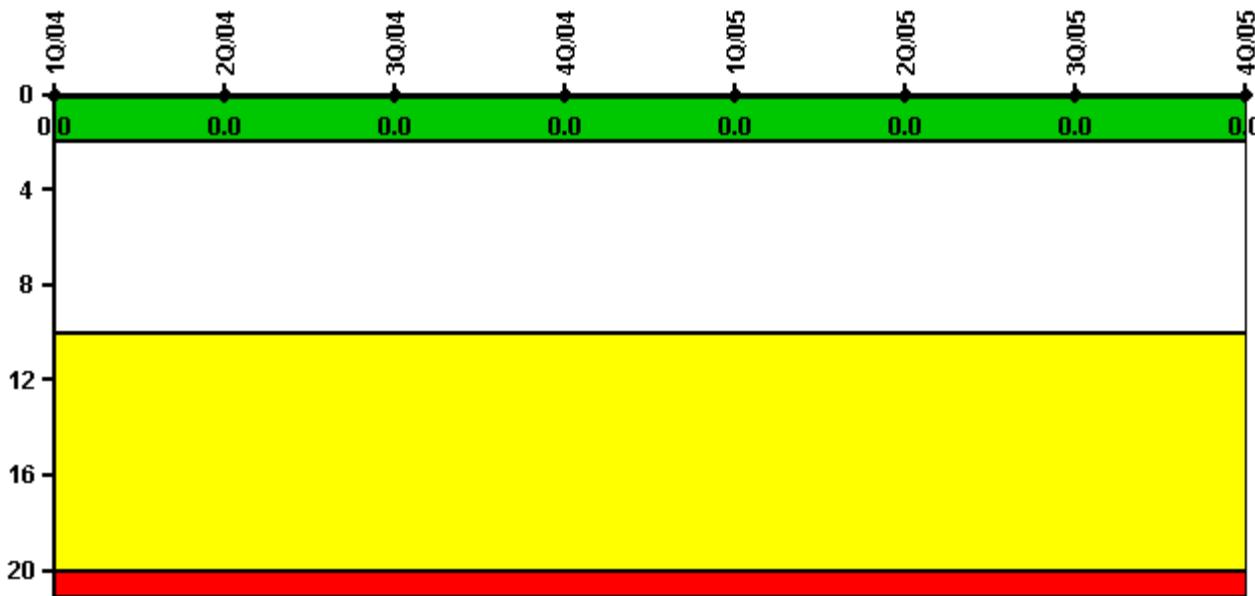
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	1.0	0	0
Critical hours	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0	2209.0
Indicator value	2.1	1.6	0.8	0.9	0	0.9	0.9	0.8

Licensee Comments: none

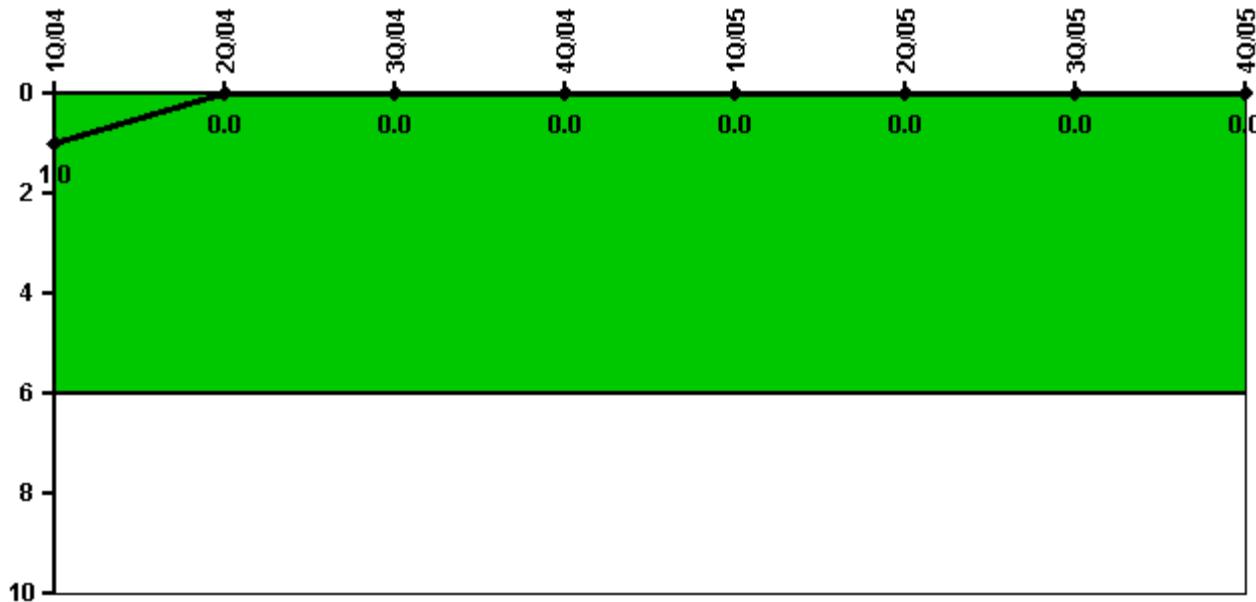
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

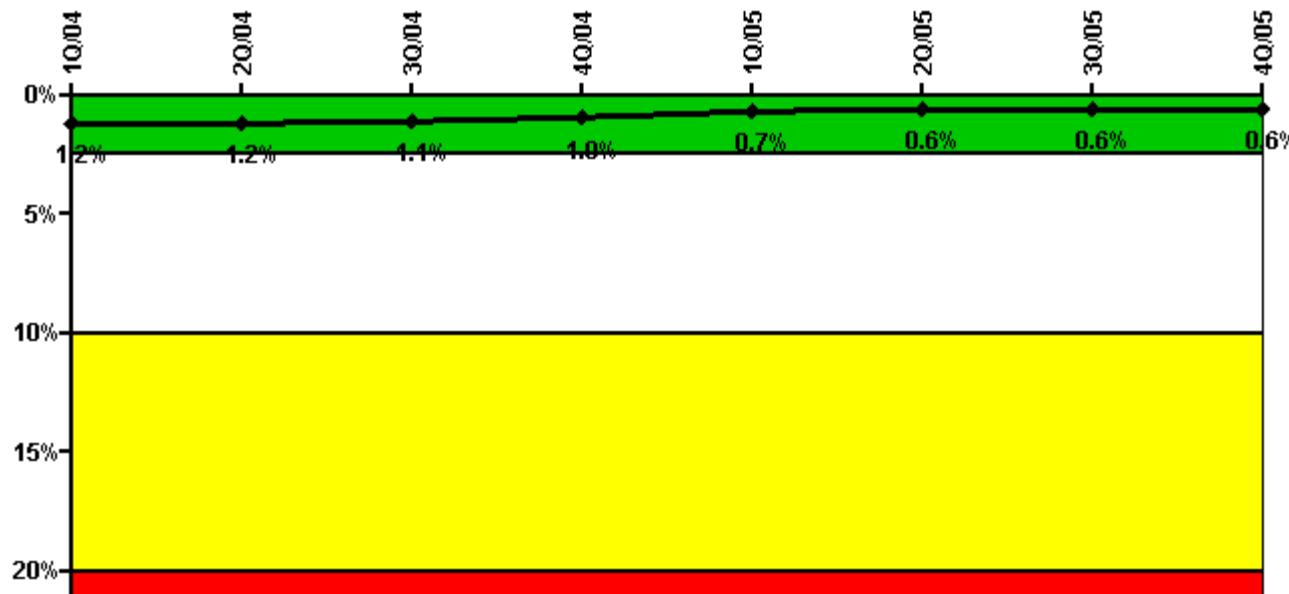
Thresholds: White > 6.0

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	2090.2	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0	2209.0
Indicator value	1.0	0						

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



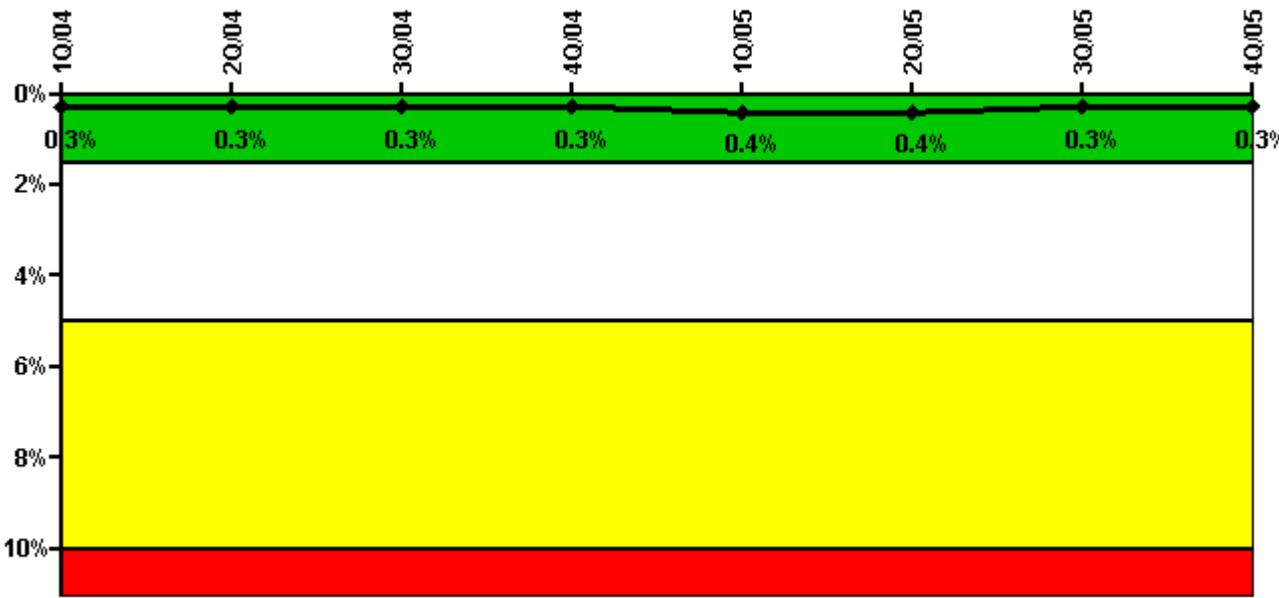
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	13.46	7.18	5.70	9.16	3.94	4.87	37.39	12.44
Unplanned unavailable hours	0	0	0	0	0	0	25.67	0
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	10.04	6.17	11.77	6.06	7.26	6.77	8.37	13.26
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 3								
Planned unavailable hours	11.98	5.02	12.52	3.70	7.94	6.92	23.20	7.91
Unplanned unavailable hours	0	0	0	0	0	0	0	9.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	6.80	6.22	10.37	14.50	4.38	9.75	22.39	14.07
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.2%	1.1%	1.0%	0.7%	0.6%	0.6%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

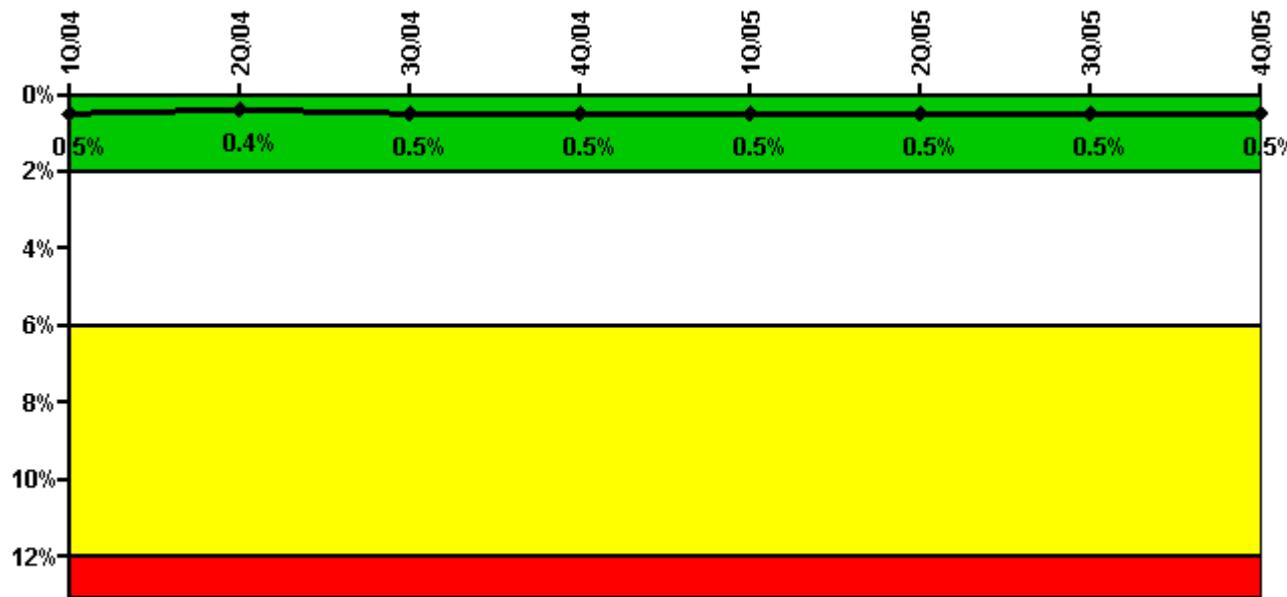
Notes

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	3.50	3.40	2.90	1.20	5.60	4.20	10.60	3.90
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	1706.10	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.30	2.30	20.40	0.60	7.10	4.30	8.30	3.20
Unplanned unavailable hours	0	0	0	0	0	9.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1706.10	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	12.60	2.40	1.90	22.40	37.00	26.90	8.30	1.60
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	1689.90	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	8.40	2.60	8.20	9.60	4.30	9.80	3.00	3.20
Unplanned unavailable hours	0	4.30	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1689.90	2160.00	2183.00	2208.00	2209.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



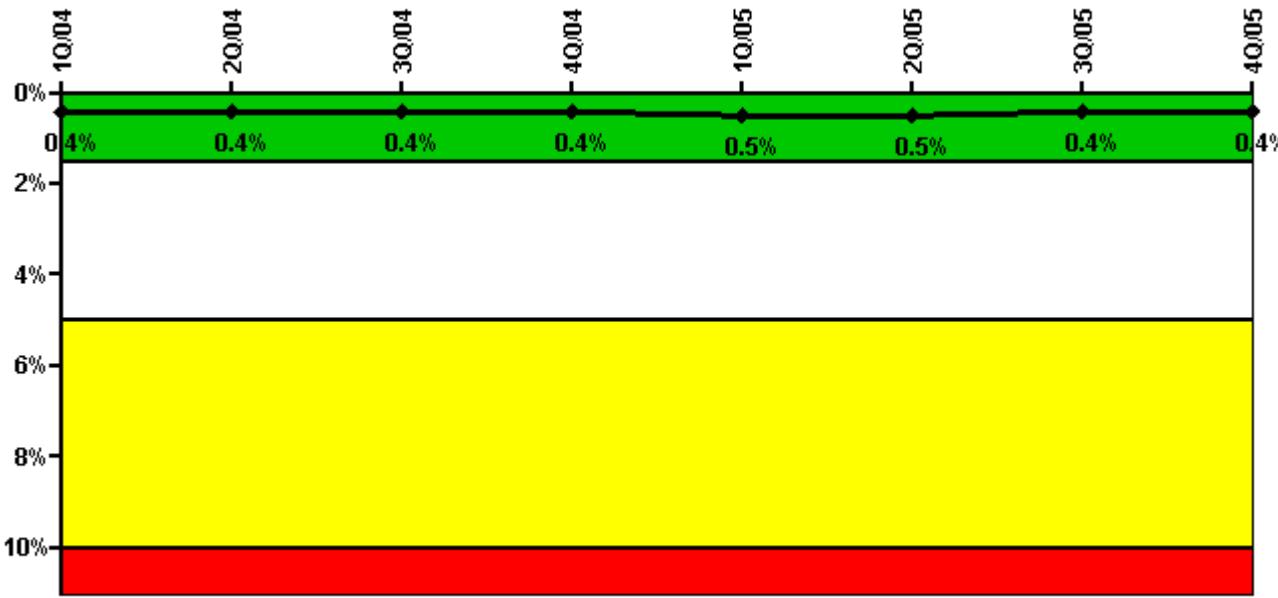
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

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	1657.48	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



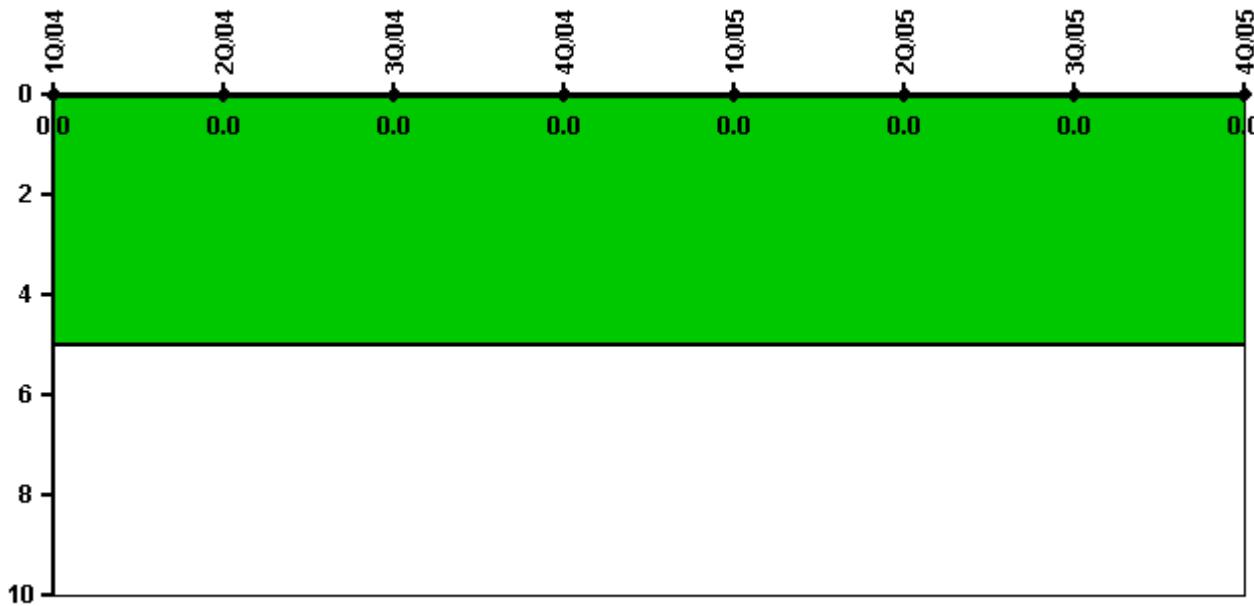
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	7.30	3.70	10.70	12.00	21.50	4.20	8.80	1.60
Unplanned unavailable hours	0	0	14.80	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	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.30	2.30	26.30	10.40	5.20	10.60	4.80	3.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2096.50	2160.00	2183.00	2208.00	2209.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



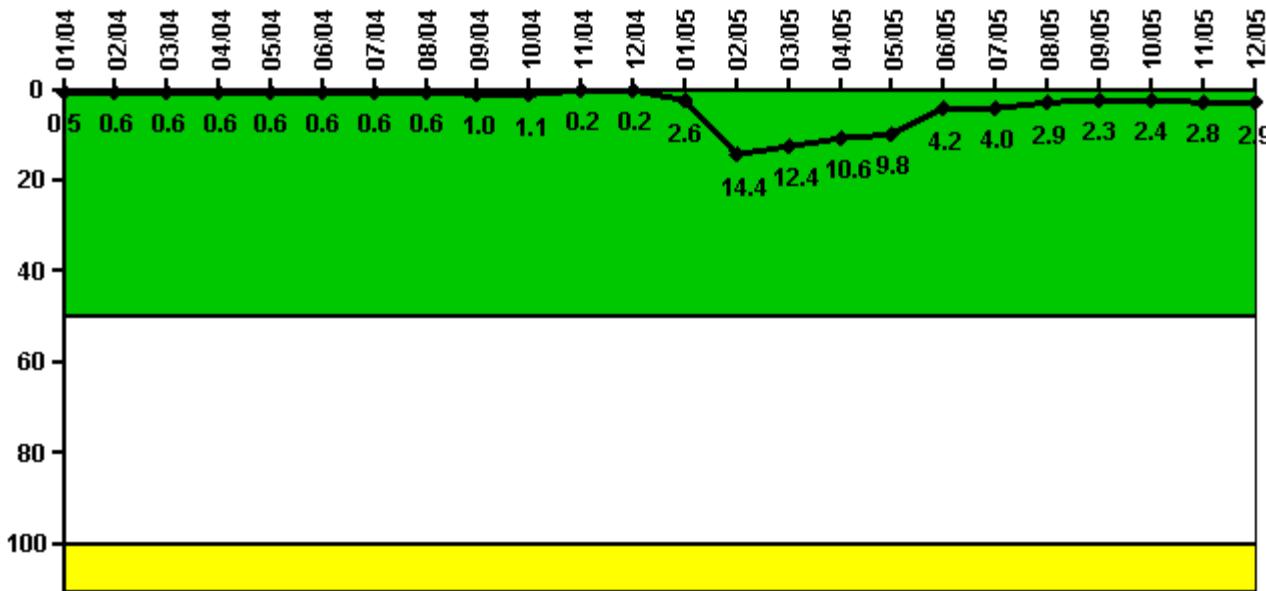
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/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



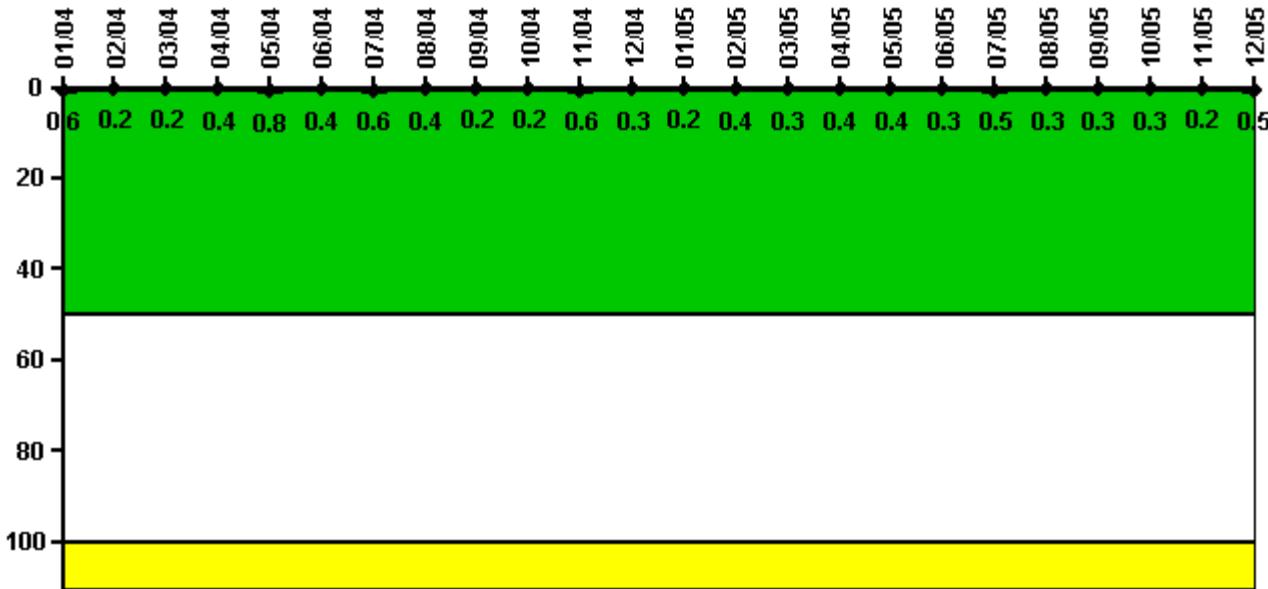
Thresholds: White > 50.0 Yellow > 100.0

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	0.001910	0.001950	0.001950	0.001950	0.002000	0.002140	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.1	0.2	0.2
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	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.6	14.4	12.4	10.6	9.8	4.2	4.0	2.9	2.3	2.4	2.8	2.9

Licensee Comments: none

Reactor Coolant System Leakage

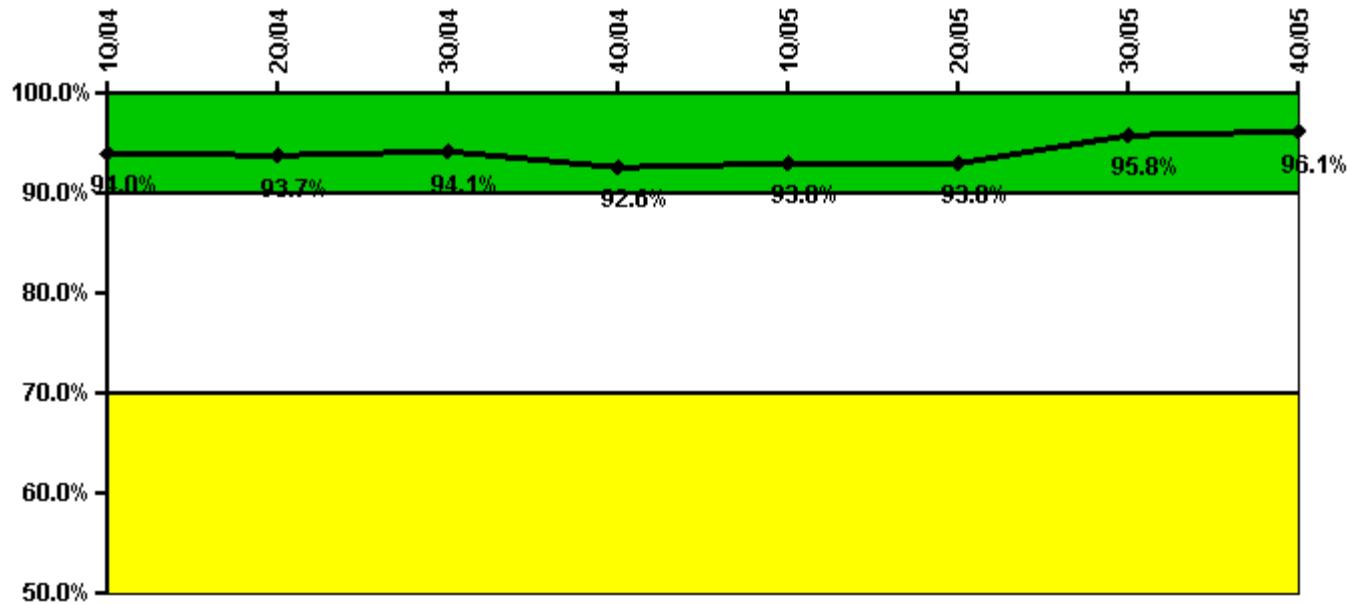


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.060	0.020	0.020	0.040	0.080	0.040	0.060	0.040	0.020	0.020	0.060	0.030
Indicator value	0.6	0.2	0.2	0.4	0.8	0.4	0.6	0.4	0.2	0.2	0.6	0.3
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	0.020	0.040	0.030	0.040	0.040	0.030	0.050	0.030	0.030	0.030	0.020	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.2	0.5

Licensee Comments: none

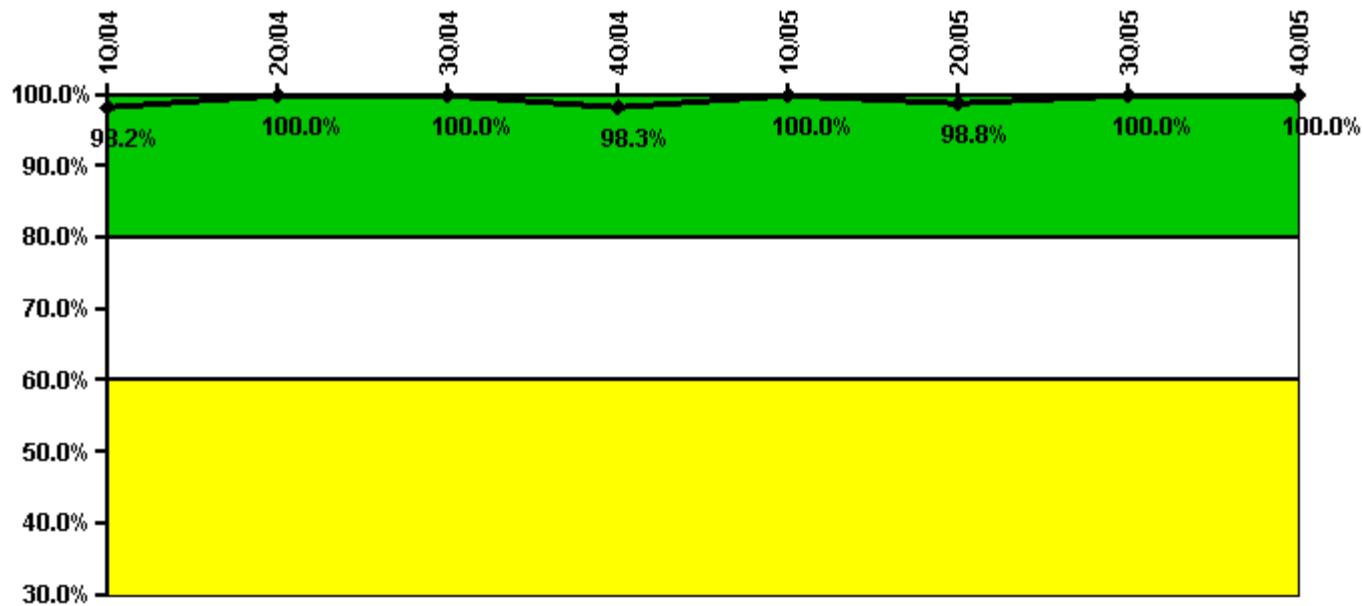
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	6.0	17.0	38.0	16.0	10.0	0	16.0	45.0
Total opportunities	6.0	18.0	40.0	16.0	10.0	0	16.0	48.0
Indicator value	94.0%	93.7%	94.1%	92.6%	93.0%	93.0%	95.8%	96.1%

Licensee Comments: none

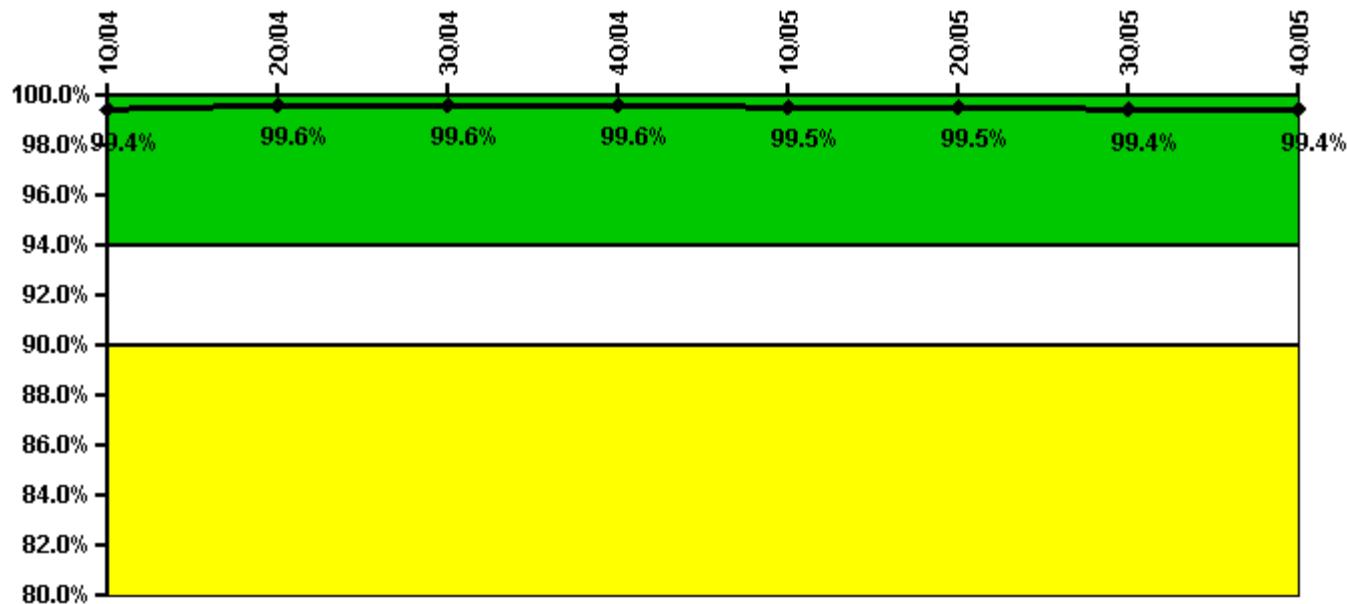
ERO Drill Participation

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	56.0	57.0	58.0	58.0	83.0	83.0	90.0	87.0
Total Key personnel	57.0	57.0	58.0	59.0	83.0	84.0	90.0	87.0
Indicator value	98.2%	100.0%	100.0%	98.3%	100.0%	98.8%	100.0%	100.0%

Licensee Comments: none

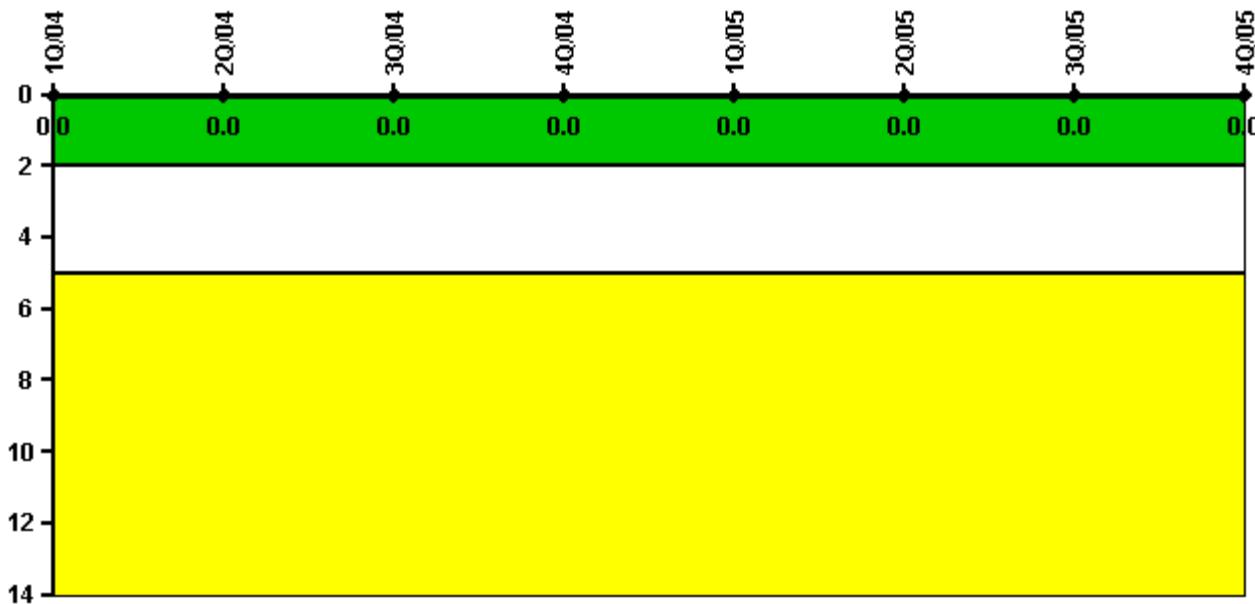
Alert & Notification System

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	756	966	858	969	753	967	960	861
Total sirens-tests	756	972	864	972	756	972	972	864
Indicator value	99.4%	99.6%	99.6%	99.6%	99.5%	99.5%	99.4%	99.4%

Licensee Comments: none

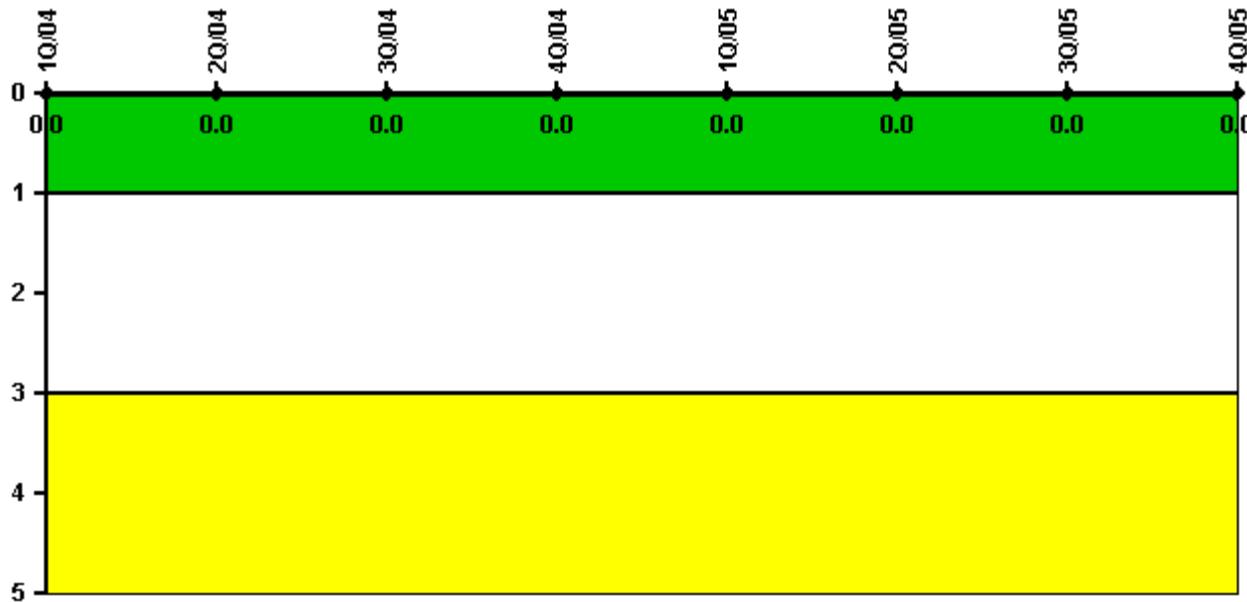
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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



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

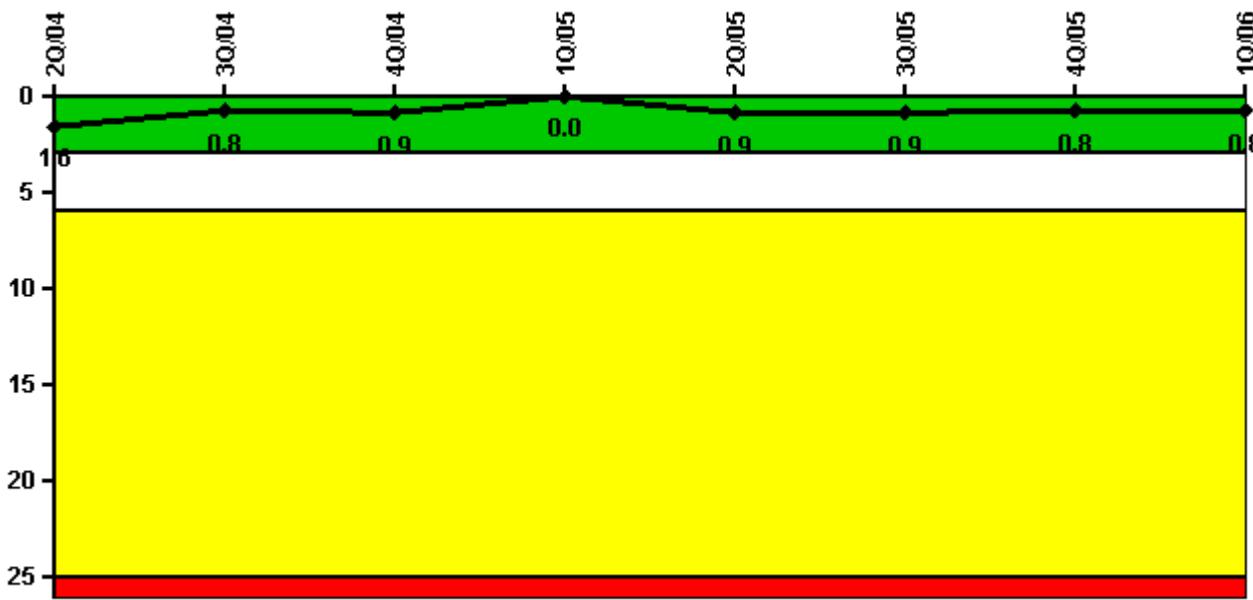
Last Modified: January 30, 2006

Sequoyah 1

1Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

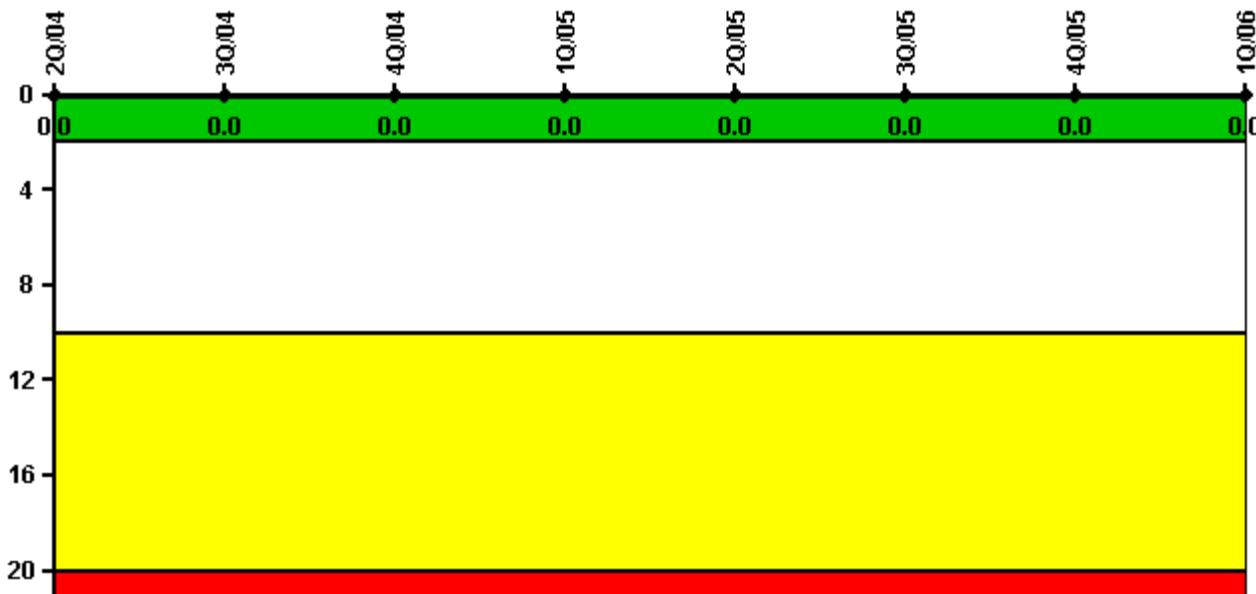


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0
Indicator value	1.6	0.8	0.9	0	0.9	0.9	0.8	0.8

Licensee Comments: none

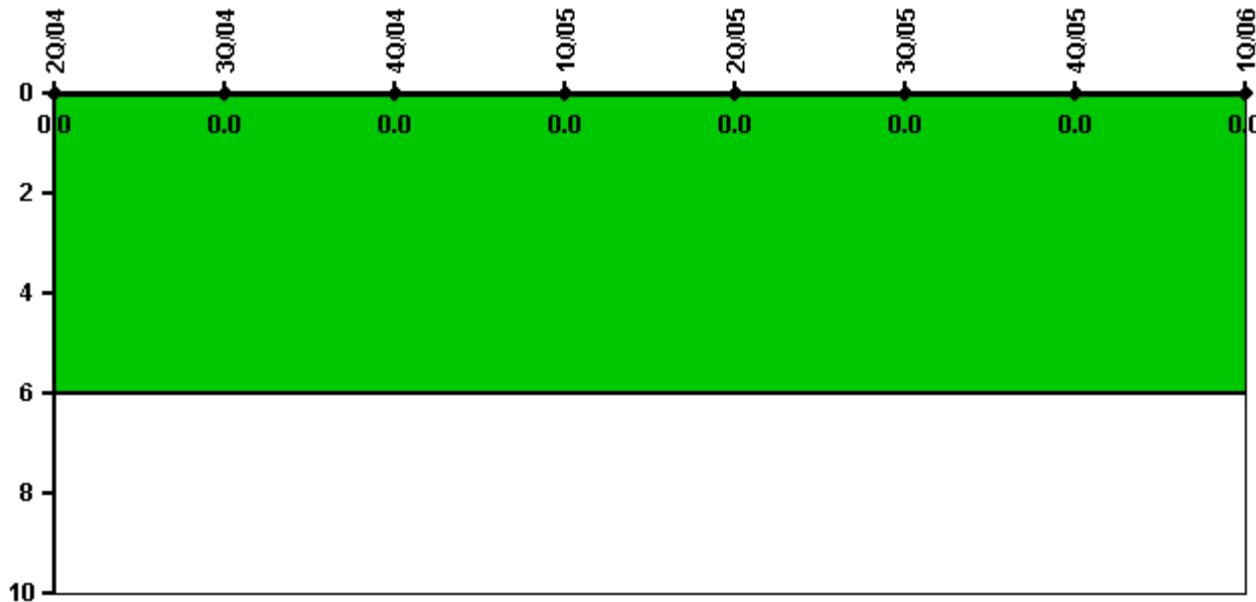
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

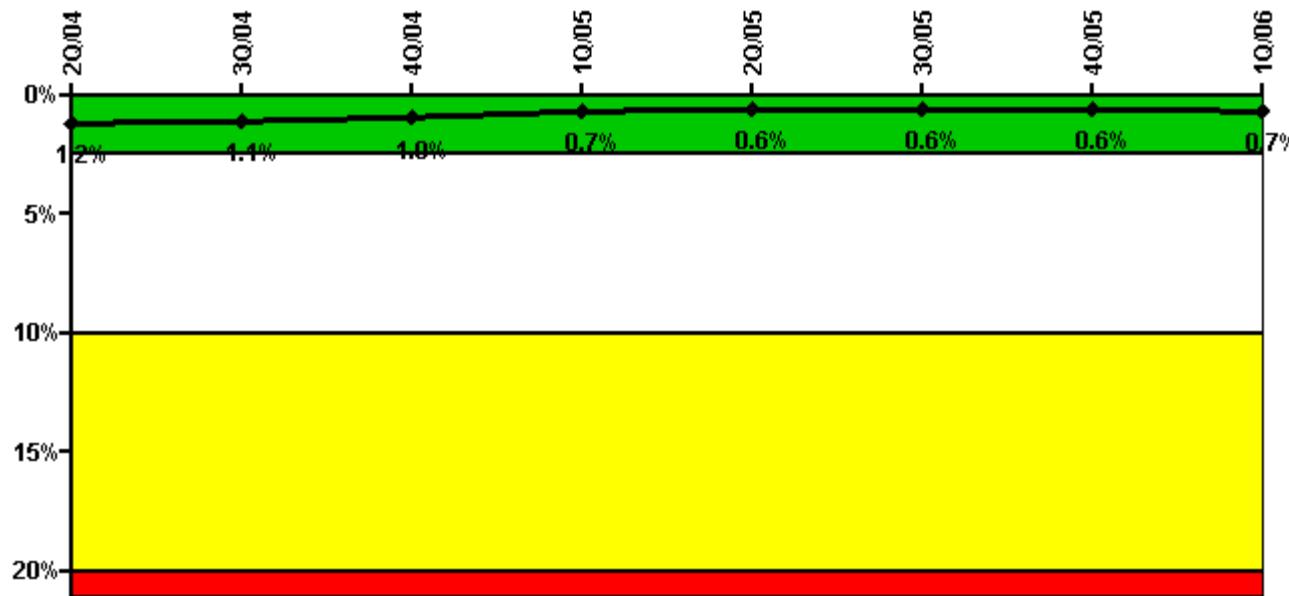
Thresholds: White > 6.0

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	2183.0	2208.0	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0
Indicator value	0							

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



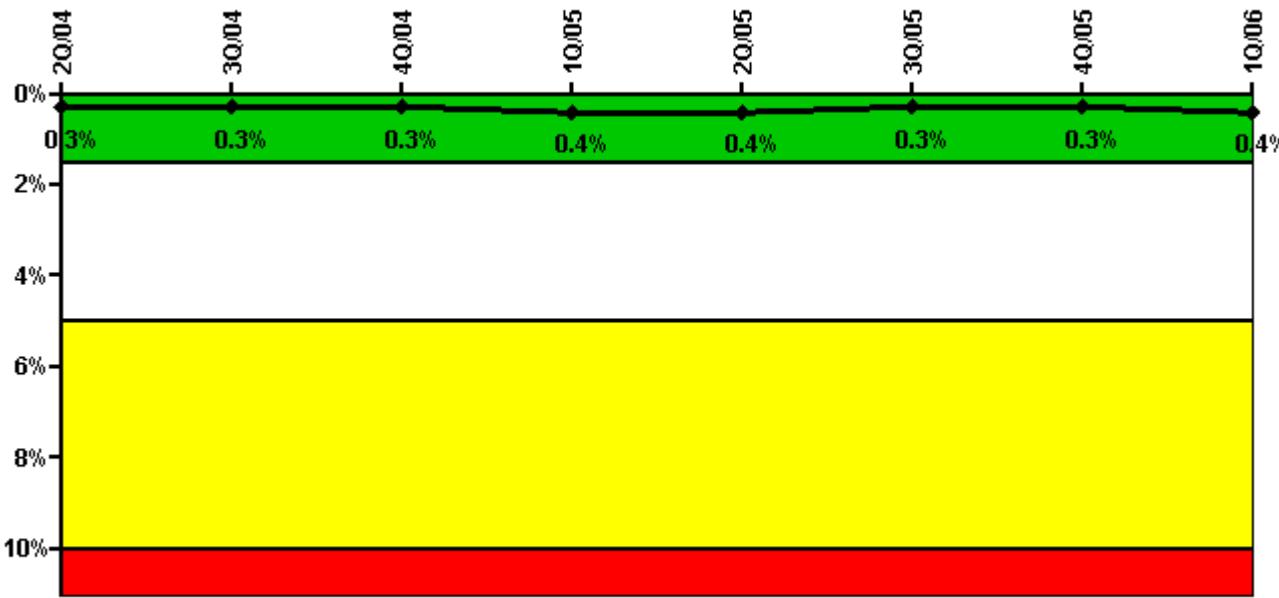
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	7.18	5.70	9.16	3.94	4.87	37.39	12.44	77.30
Unplanned unavailable hours	0	0	0	0	0	25.67	0	0
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	6.17	11.77	6.06	7.26	6.77	8.37	13.26	4.81
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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 3								
Planned unavailable hours	5.02	12.52	3.70	7.94	6.92	23.20	7.91	7.52
Unplanned unavailable hours	0	0	0	0	0	0	9.22	0
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 4								
Planned unavailable hours	6.22	10.37	14.50	4.38	9.75	22.39	14.07	12.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.2%	1.1%	1.0%	0.7%	0.6%	0.6%	0.6%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

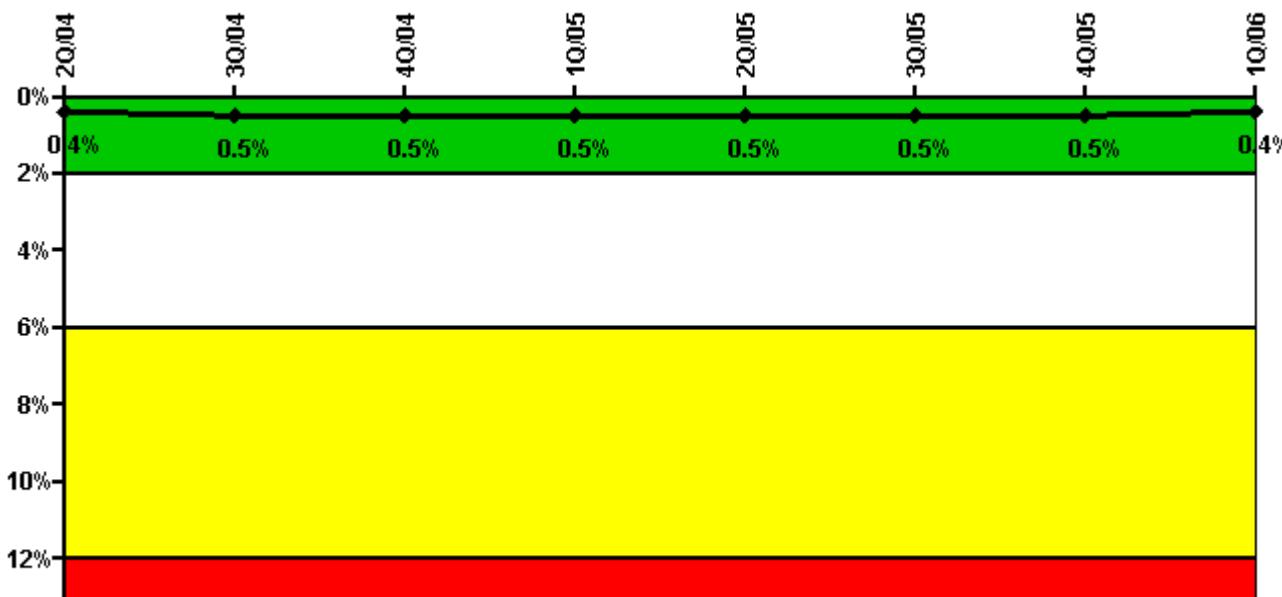
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1									
Planned unavailable hours		3.40	2.90	1.20	5.60	4.20	10.60	3.90	20.60
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		2183.00	2208.00	1706.10	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2									
Planned unavailable hours		2.30	20.40	0.60	7.10	4.30	8.30	3.20	8.20
Unplanned unavailable hours		0	0	0	0	9.80	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	1706.10	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3									
Planned unavailable hours		2.40	1.90	22.40	37.00	26.90	8.30	1.60	20.20
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2183.00	2208.00	1689.90	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4									
Planned unavailable hours		2.60	8.20	9.60	4.30	9.80	3.00	3.20	17.60
Unplanned unavailable hours		4.30	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1689.90	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.3%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



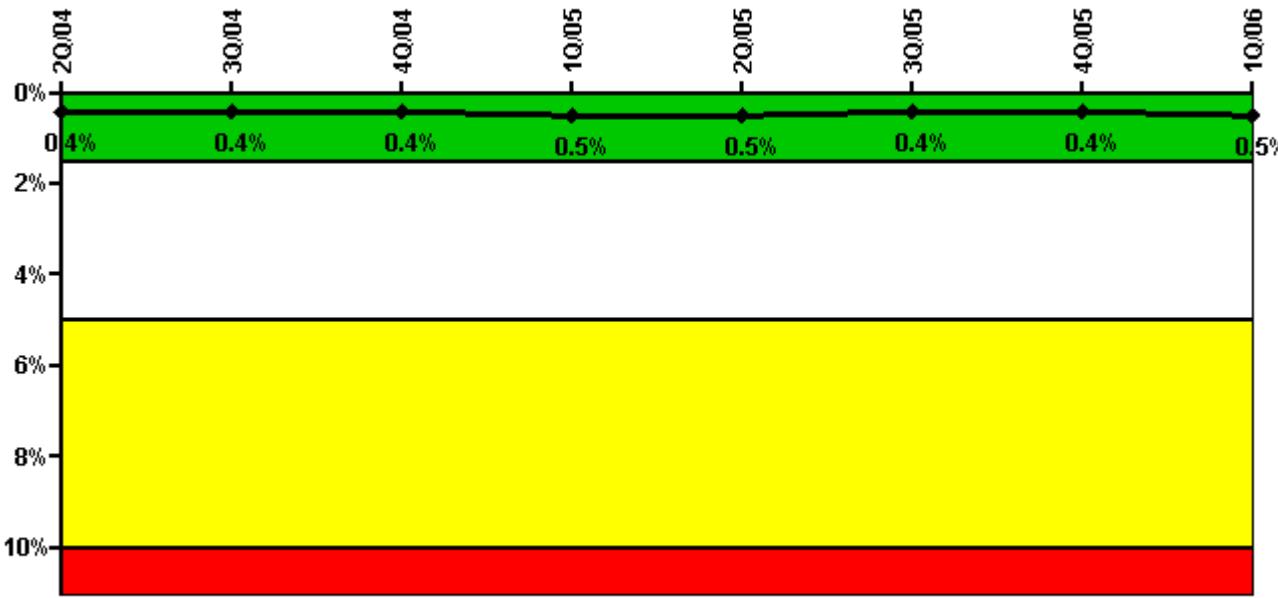
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

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	1657.48	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



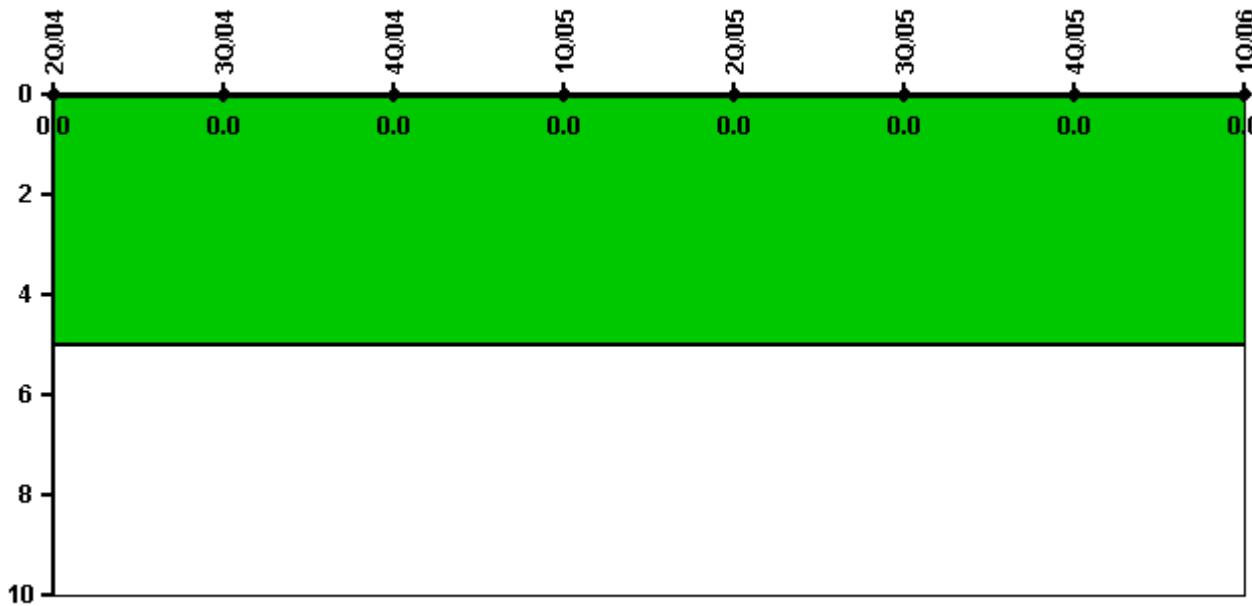
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	3.70	10.70	12.00	21.50	4.20	8.80	1.60	14.40
Unplanned unavailable hours	0	14.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2096.50	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.30	26.30	10.40	5.20	10.60	4.80	3.20	16.40
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	2096.50	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



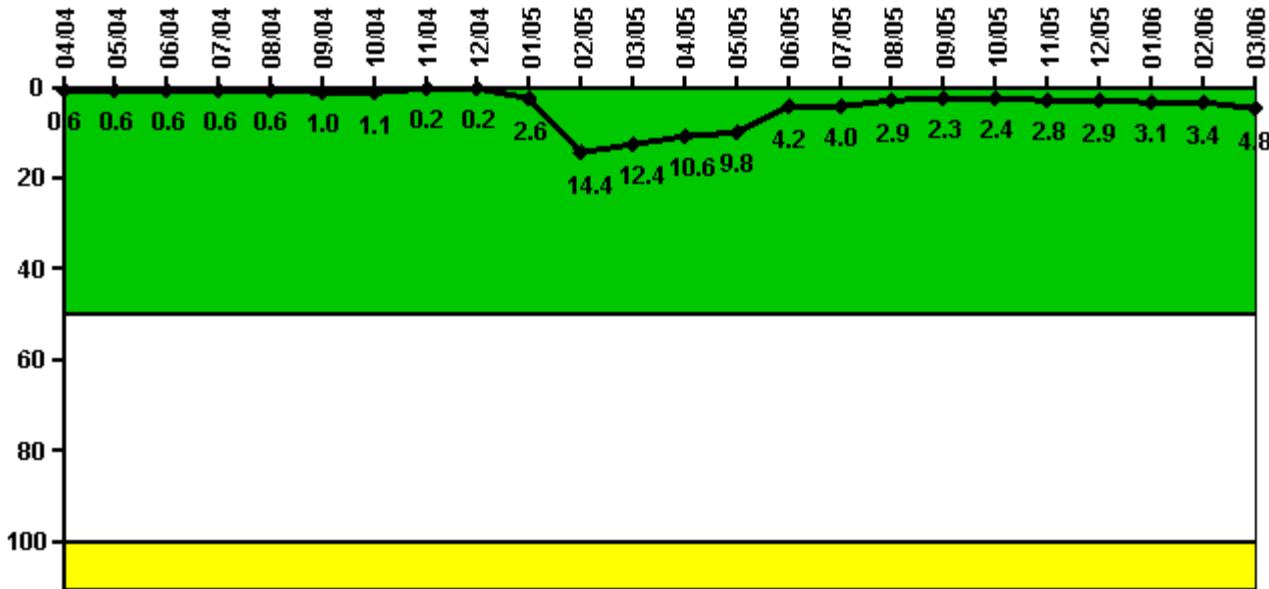
Thresholds: White > 5.0

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



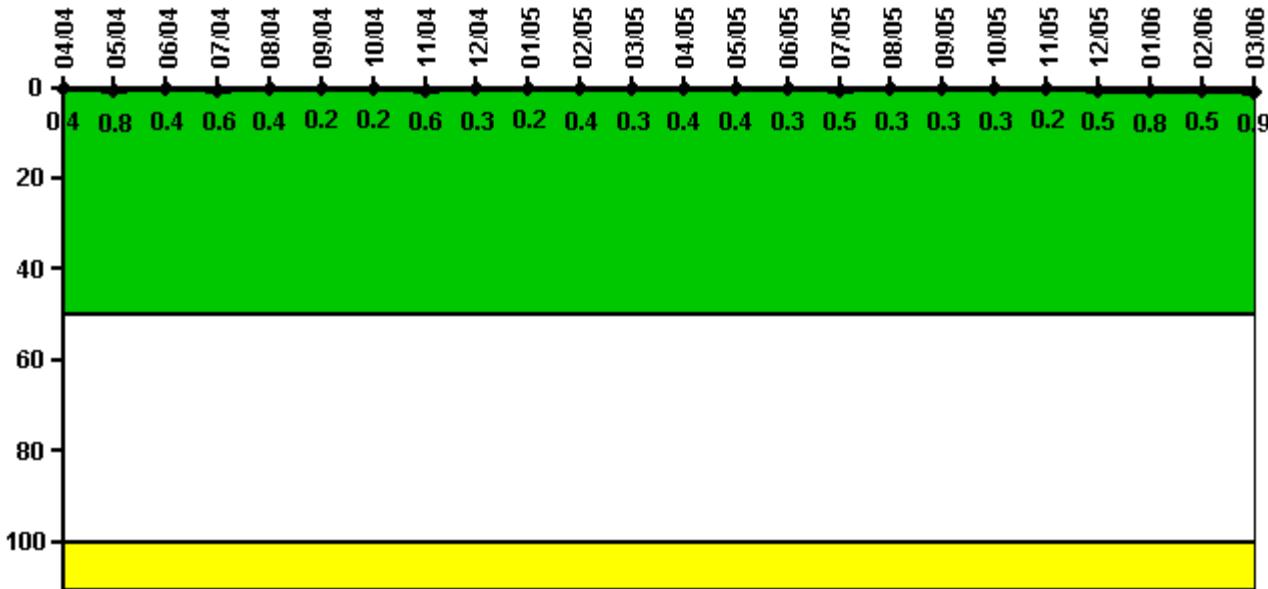
Thresholds: White > 50.0 Yellow > 100.0

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	0.001950	0.002000	0.002140	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.6	0.6	0.6	1.0	1.1	0.2	0.2	2.6	14.4	12.4
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	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.6	9.8	4.2	4.0	2.9	2.3	2.4	2.8	2.9	3.1	3.4	4.8

Licensee Comments: none

Reactor Coolant System Leakage

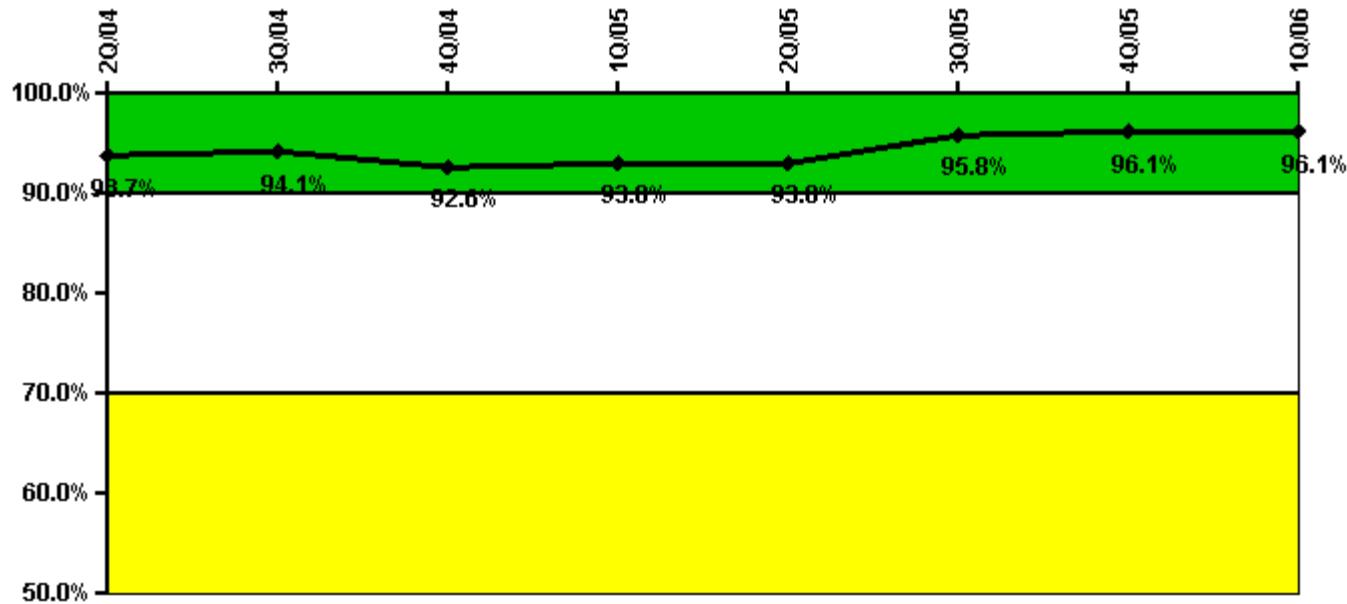


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.040	0.080	0.040	0.060	0.040	0.020	0.020	0.060	0.030	0.020	0.040	0.030
Indicator value	0.4	0.8	0.4	0.6	0.4	0.2	0.2	0.6	0.3	0.2	0.4	0.3
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	0.040	0.040	0.030	0.050	0.030	0.030	0.030	0.020	0.050	0.080	0.050	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.2	0.5	0.8	0.5	0.9

Licensee Comments: none

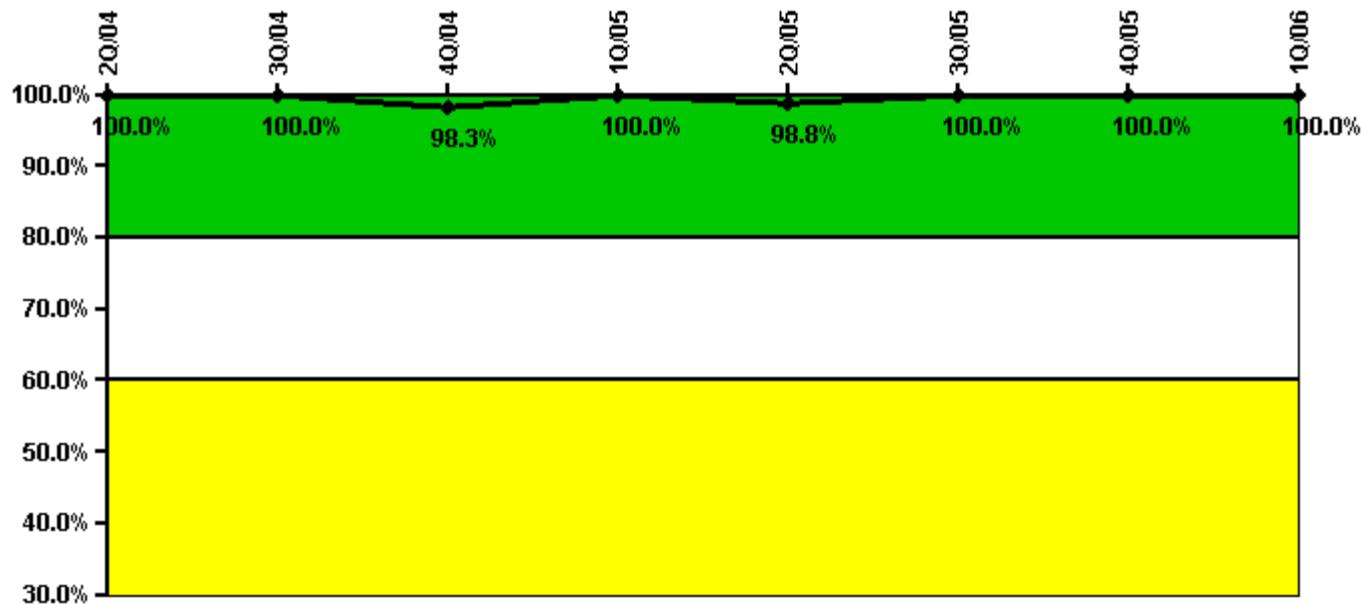
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	17.0	38.0	16.0	10.0	0	16.0	45.0	6.0
Total opportunities	18.0	40.0	16.0	10.0	0	16.0	48.0	6.0
Indicator value	93.7%	94.1%	92.6%	93.0%	93.0%	95.8%	96.1%	96.1%

Licensee Comments: none

ERO Drill Participation

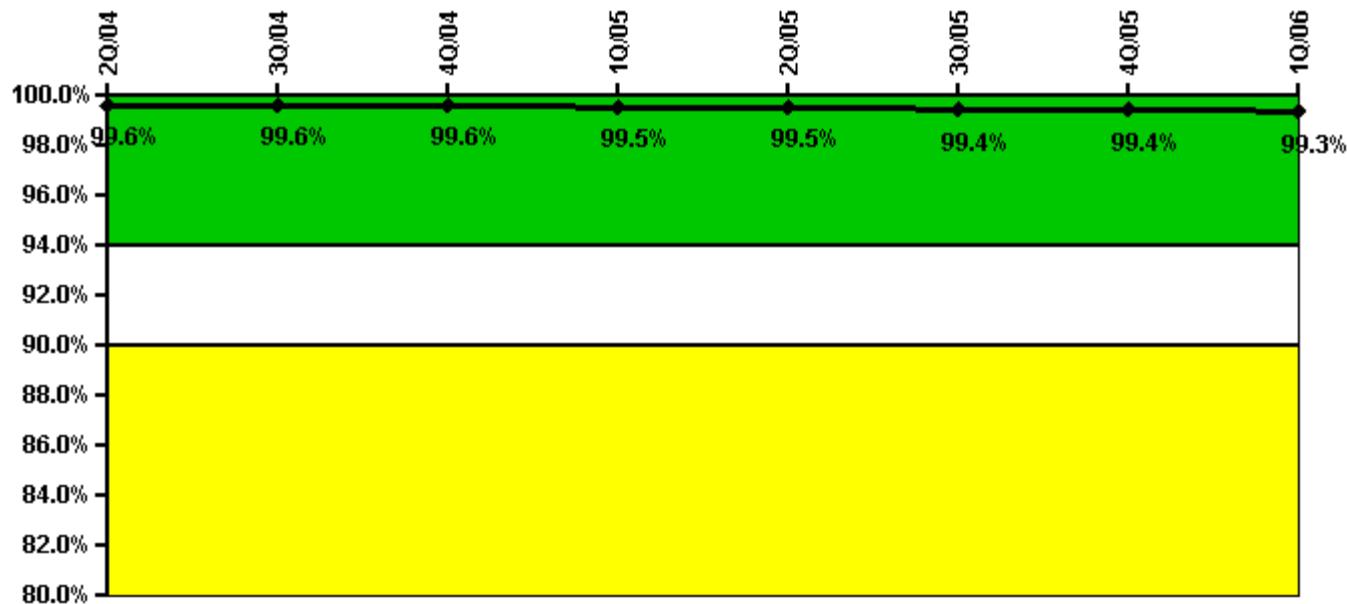
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	57.0	58.0	58.0	83.0	83.0	90.0	87.0	87.0
Total Key personnel	57.0	58.0	59.0	83.0	84.0	90.0	87.0	87.0
Indicator value	100.0%	100.0%	98.3%	100.0%	98.8%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

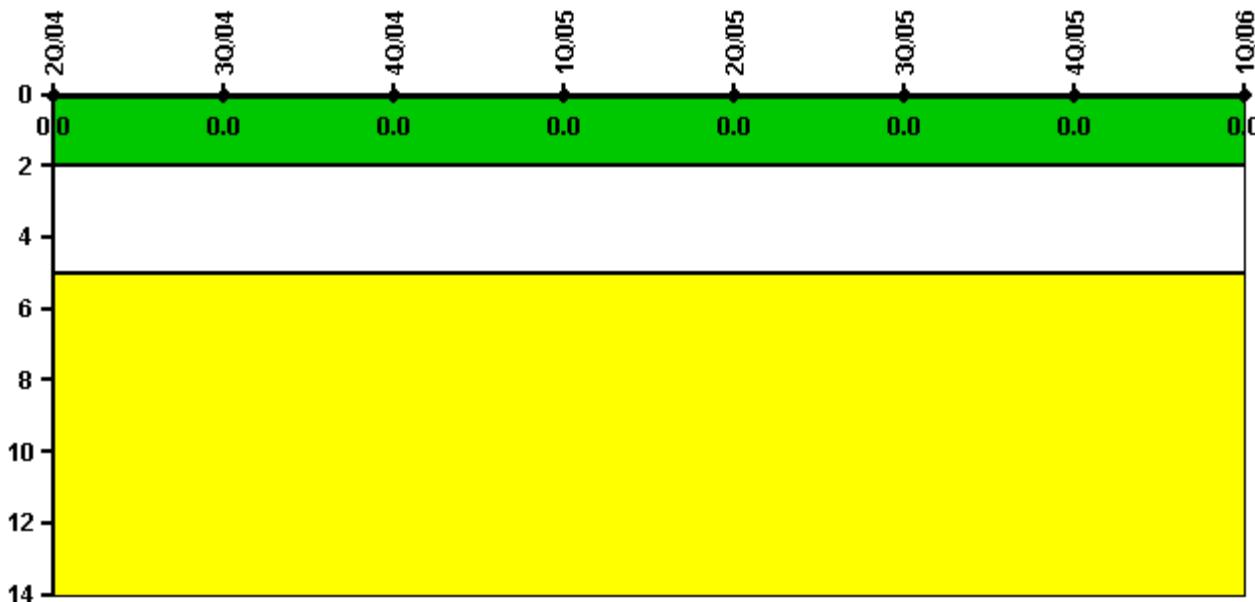


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	966	858	969	753	967	960	861	752
Total sirens-tests	972	864	972	756	972	972	864	756
Indicator value	99.6%	99.6%	99.6%	99.5%	99.5%	99.4%	99.4%	99.3%

Licensee Comments: none

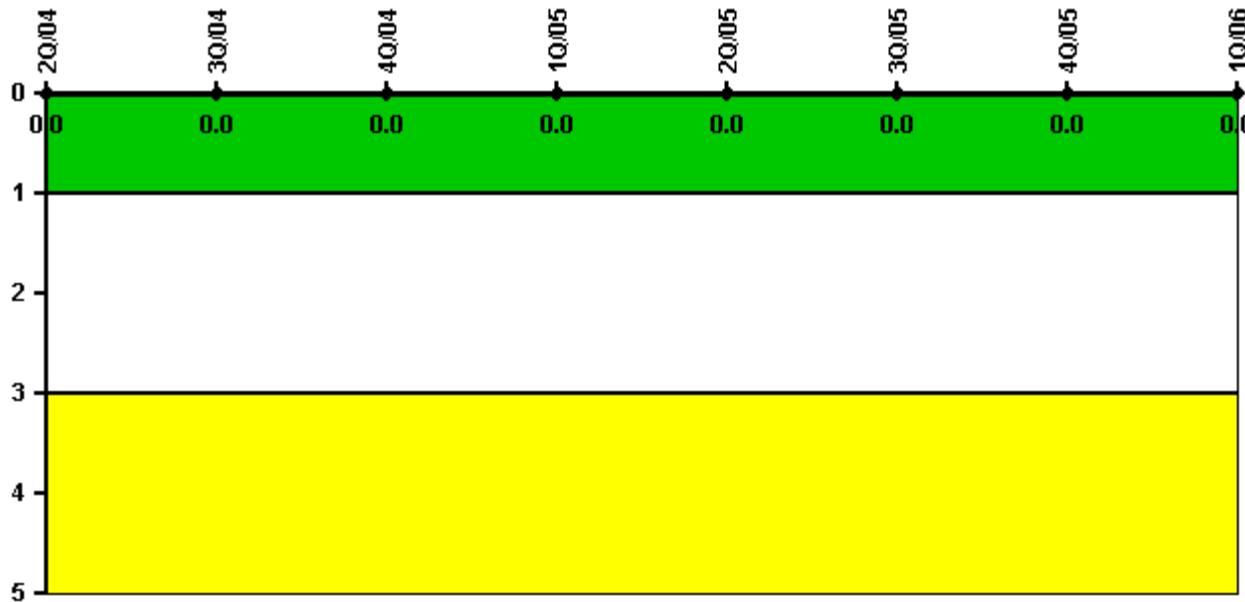
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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	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](#)

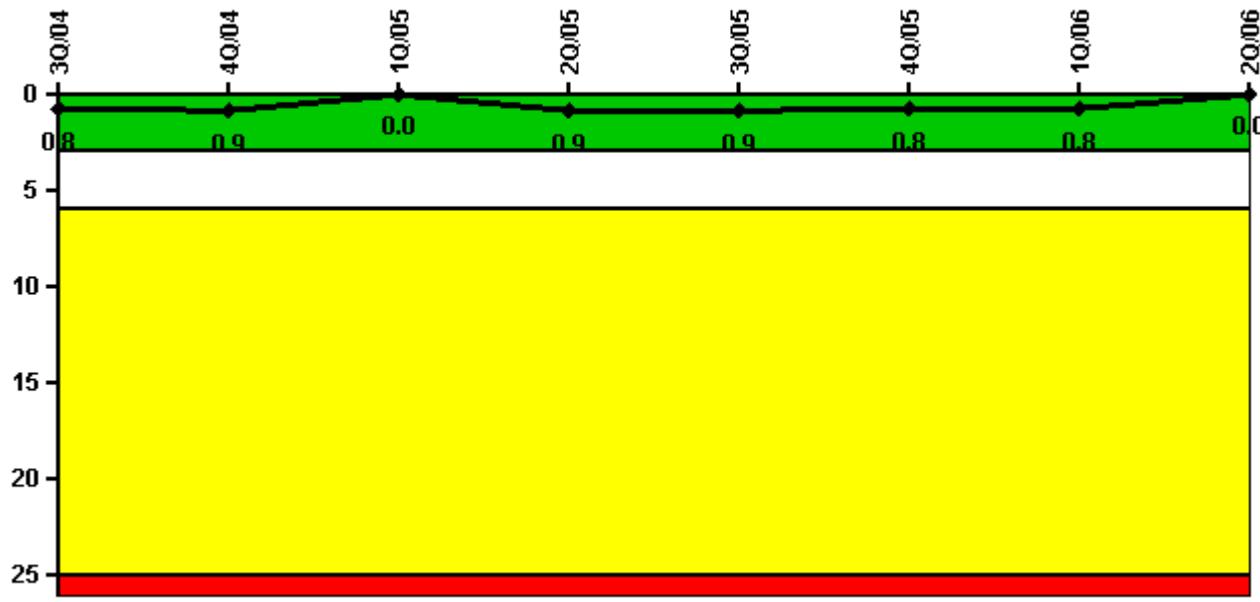
Last Modified: May 5, 2006

Sequoyah 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	1.0	0	0	0	0
Critical hours	2208.0	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5
Indicator value	0.8	0.9	0	0.9	0.9	0.8	0.8	0

Licensee Comments: none

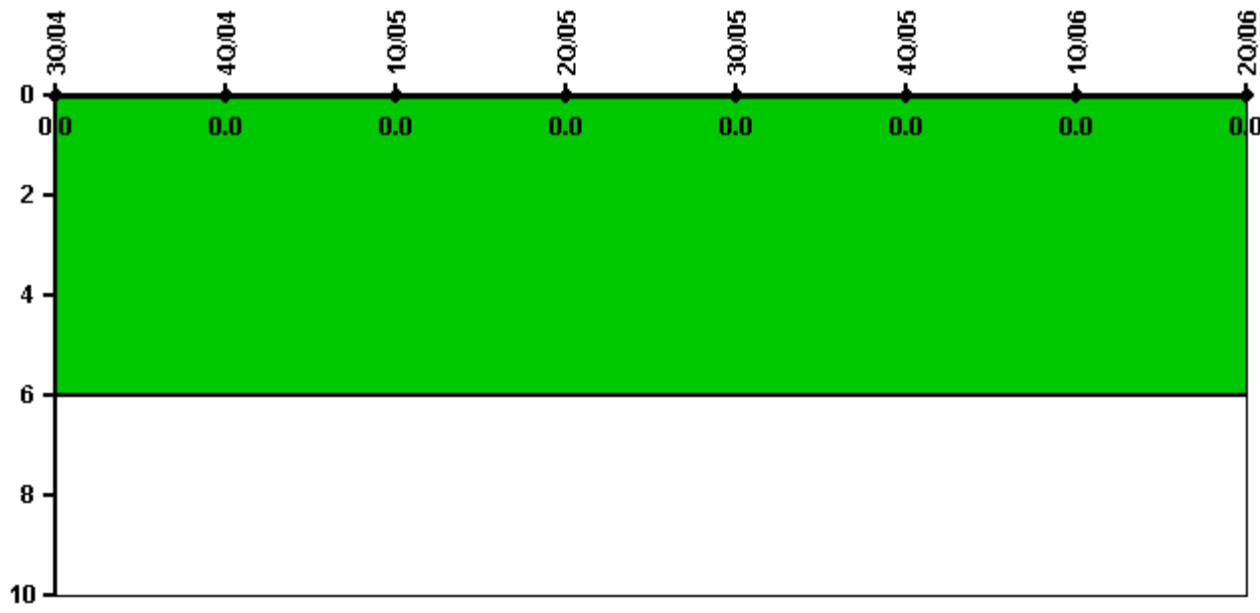
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

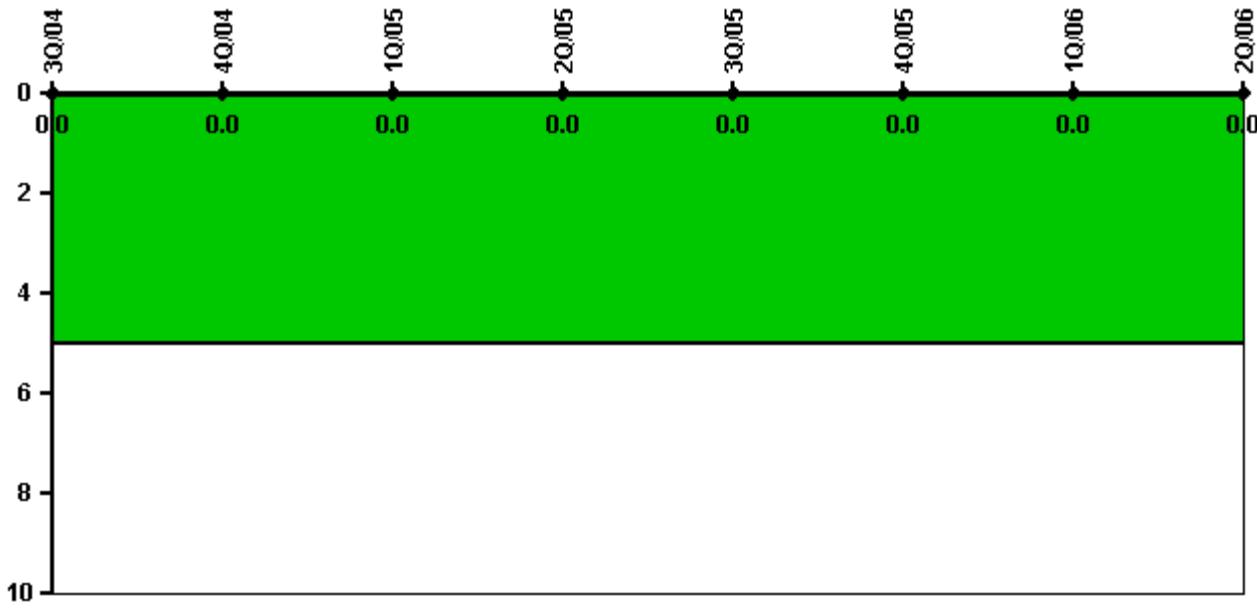
Unplanned Power Changes per 7000 Critical Hrs

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	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)

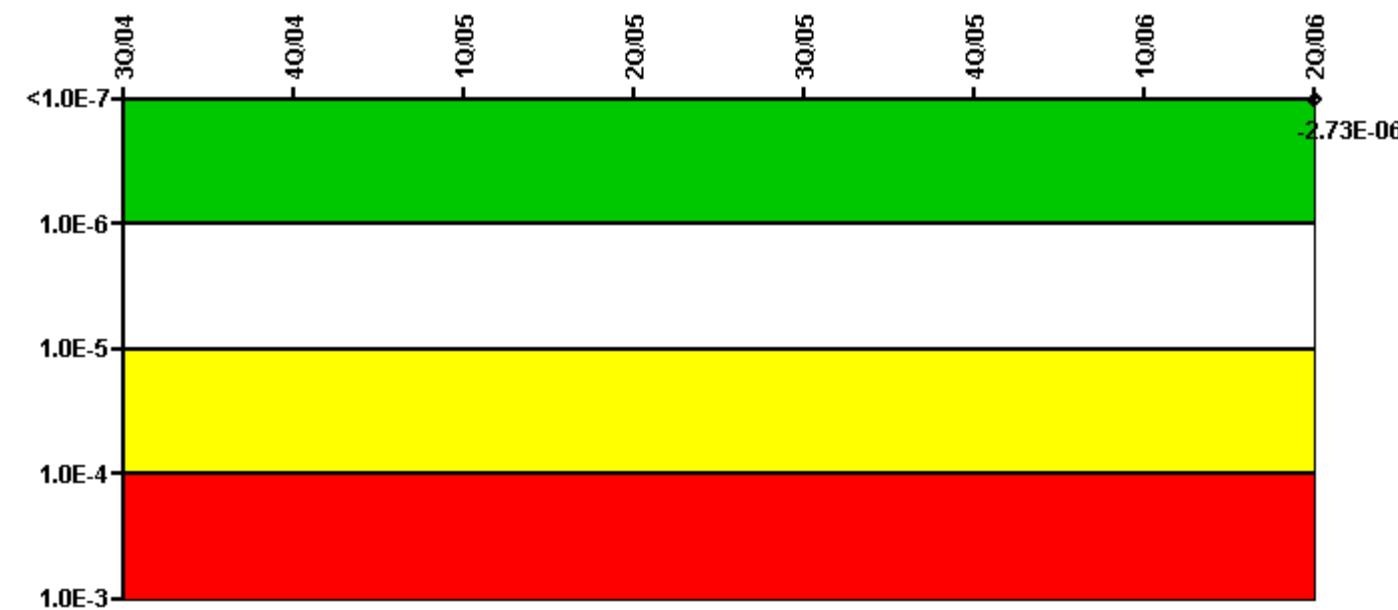
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/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



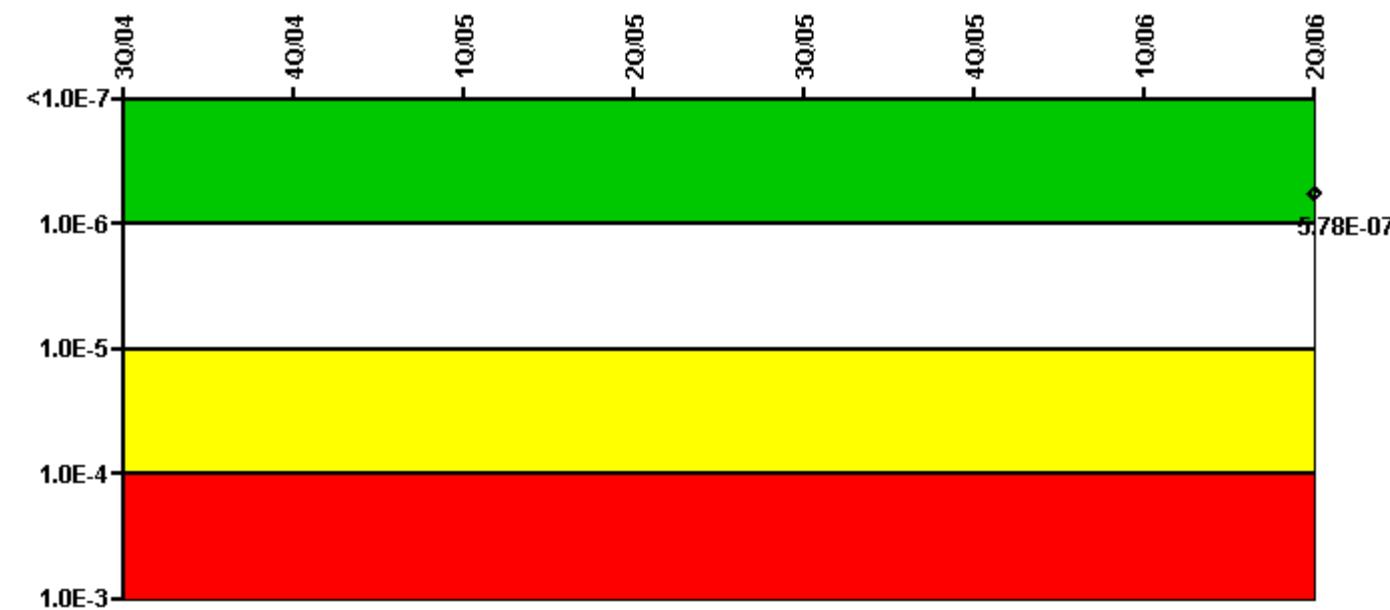
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)								-3.30E-07
URI (Δ CDF)								-2.40E-06
PLE								NO
Indicator value								-2.73E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



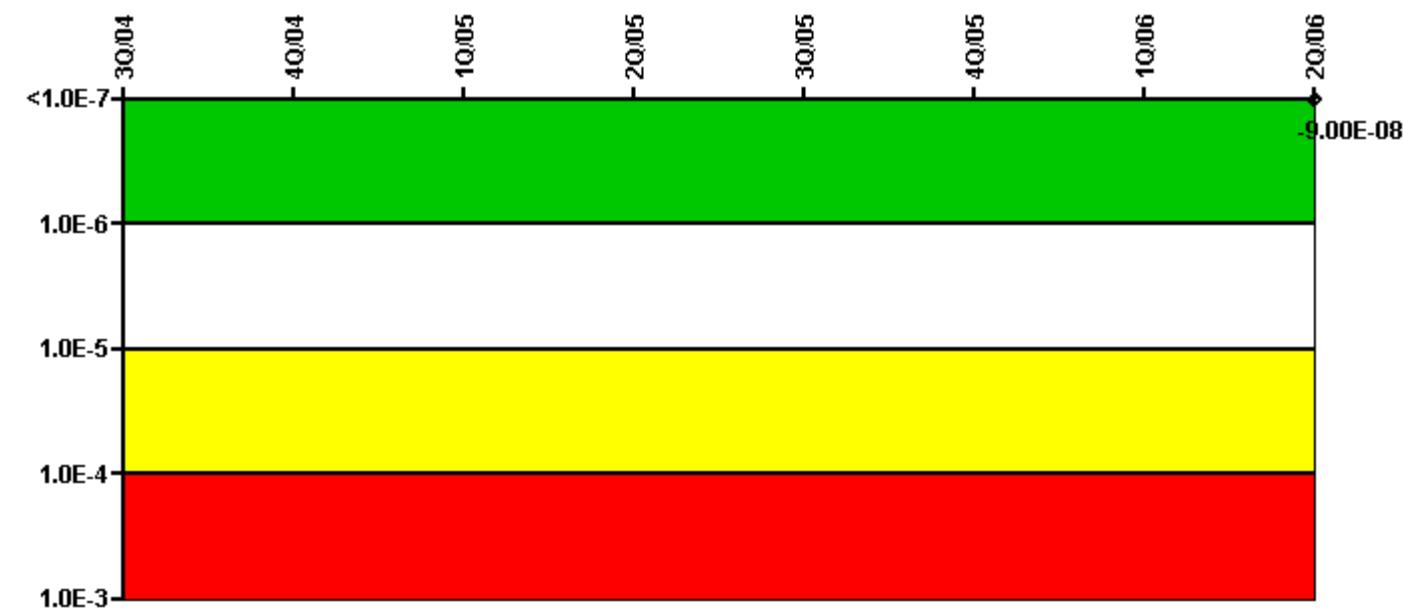
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								4.80E-08
URI (Δ CDF)								5.30E-07
PLE								NO
Indicator value								5.78E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

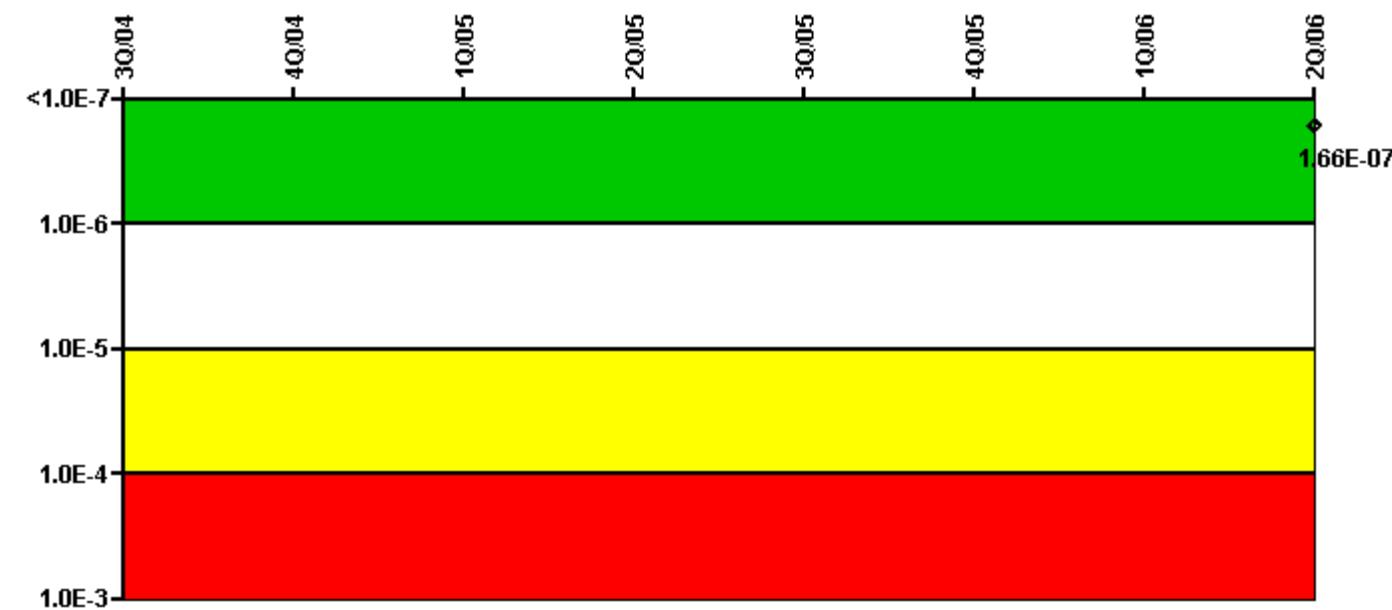


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-2.20E-08
URI (Δ CDF)								-6.80E-08
PLE								NO
Indicator value								-9.00E-08

Licensee Comments: none

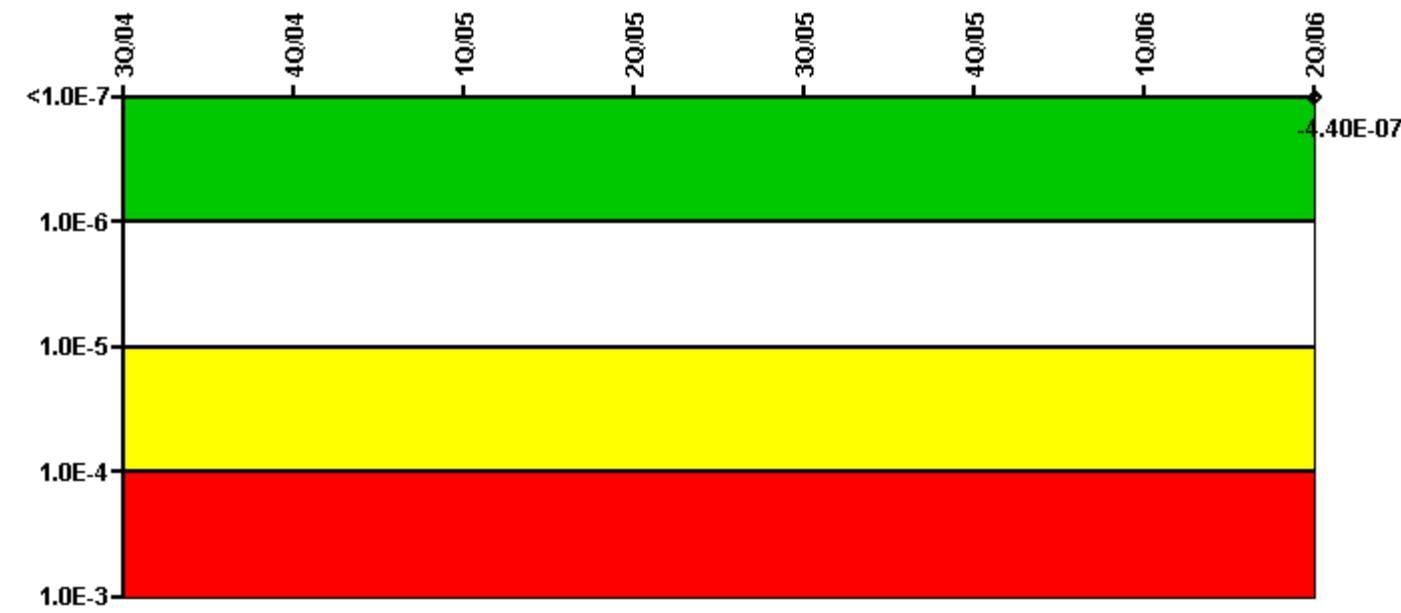
Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								3.60E-08
URI (Δ CDF)								1.30E-07
PLE								NO
Indicator value								1.66E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

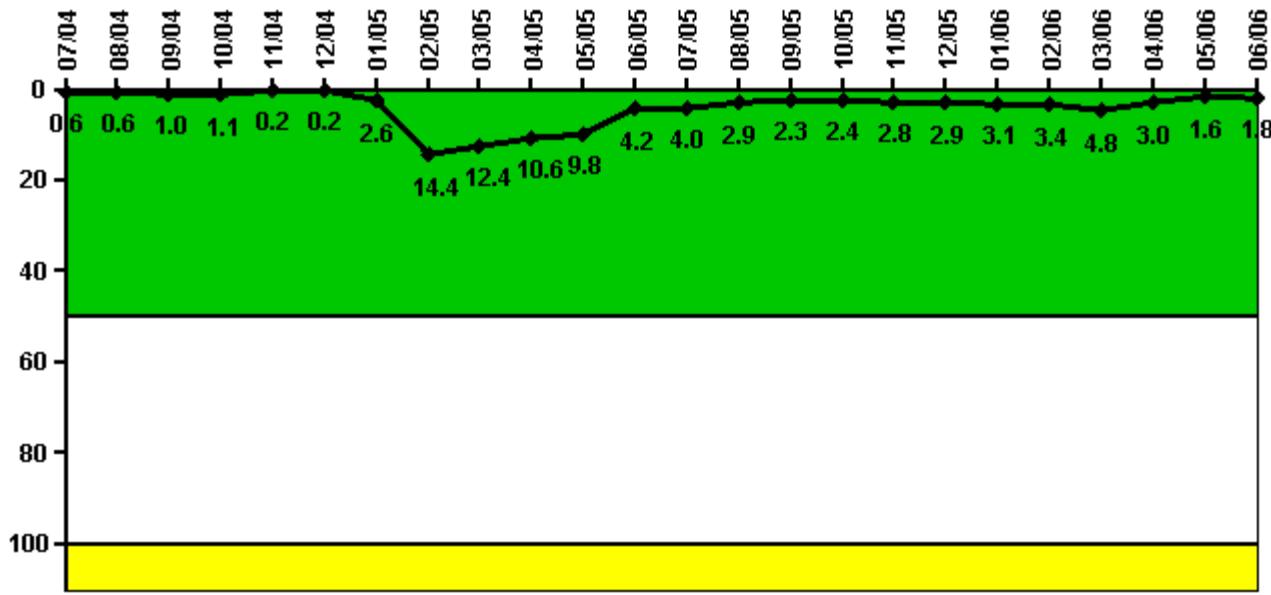
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)								-2.20E-07
URI (Δ CDF)								-2.20E-07
PLE								NO
Indicator value								-4.40E-07

Licensee Comments: none

Reactor Coolant System Activity



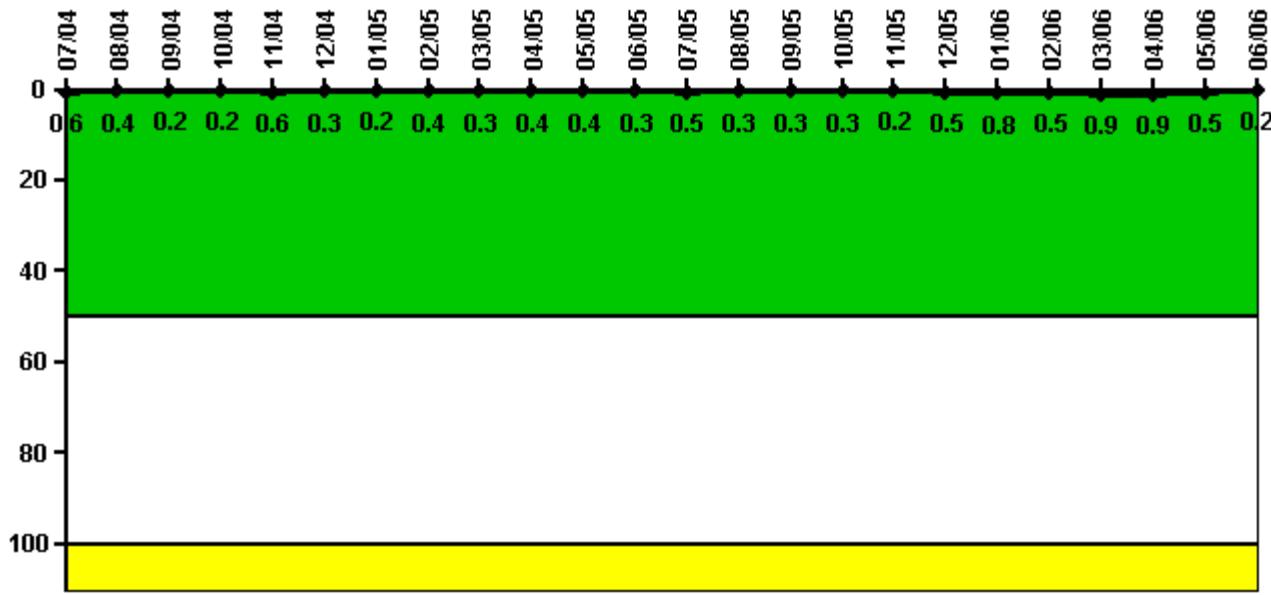
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.002060	0.002060	0.003552	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	1.0	1.1	0.2	0.2	2.6	14.4	12.4	10.6	9.8	4.2
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	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	4.0	2.9	2.3	2.4	2.8	2.9	3.1	3.4	4.8	3.0	1.6	1.8

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

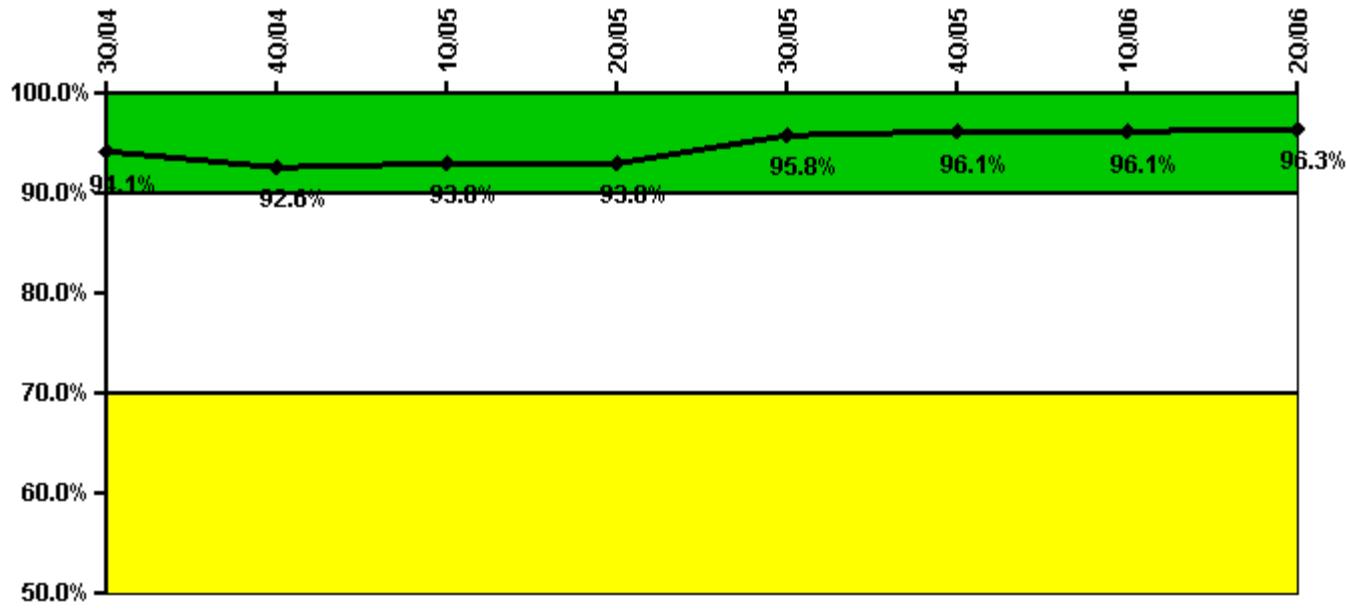
Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.060	0.040	0.020	0.020	0.060	0.030	0.020	0.040	0.030	0.040	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.4	0.2	0.2	0.6	0.3	0.2	0.4	0.3	0.4	0.4	0.3

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.050	0.030	0.030	0.030	0.020	0.050	0.080	0.050	0.090	0.090	0.050	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	0.3	0.3	0.2	0.5	0.8	0.5	0.9	0.9	0.5	0.2

Licensee Comments: none

Drill/Exercise Performance



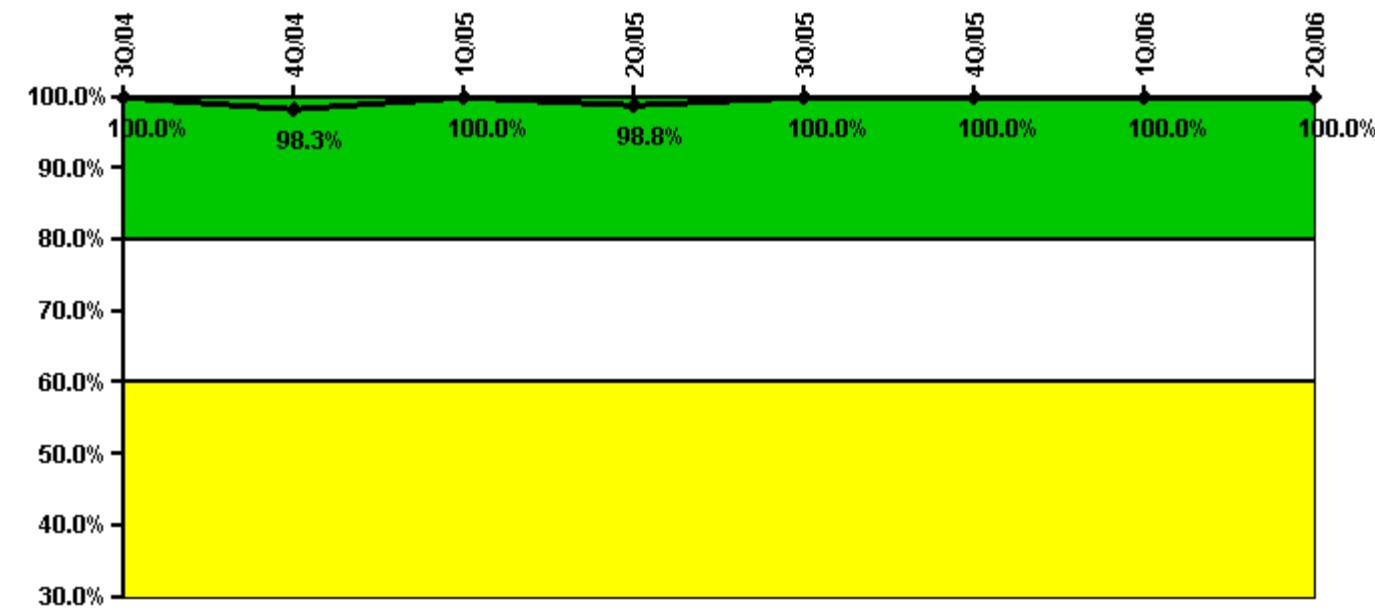
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	38.0	16.0	10.0	0	16.0	45.0	6.0	0
Total opportunities	40.0	16.0	10.0	0	16.0	48.0	6.0	0
Indicator value	94.1%	92.6%	93.0%	93.0%	95.8%	96.1%	96.1%	96.3%

Licensee Comments: none

ERO Drill Participation



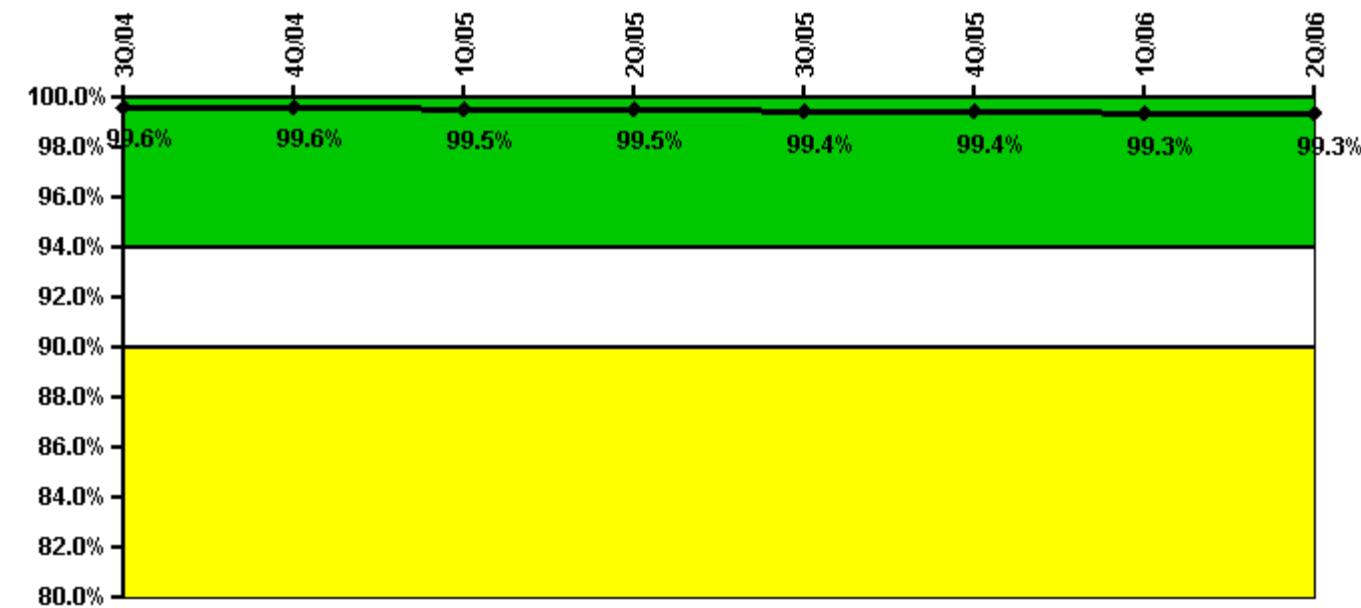
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	58.0	58.0	83.0	83.0	90.0	87.0	87.0	88.0
Total Key personnel	58.0	59.0	83.0	84.0	90.0	87.0	87.0	88.0
Indicator value	100.0%	98.3%	100.0%	98.8%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

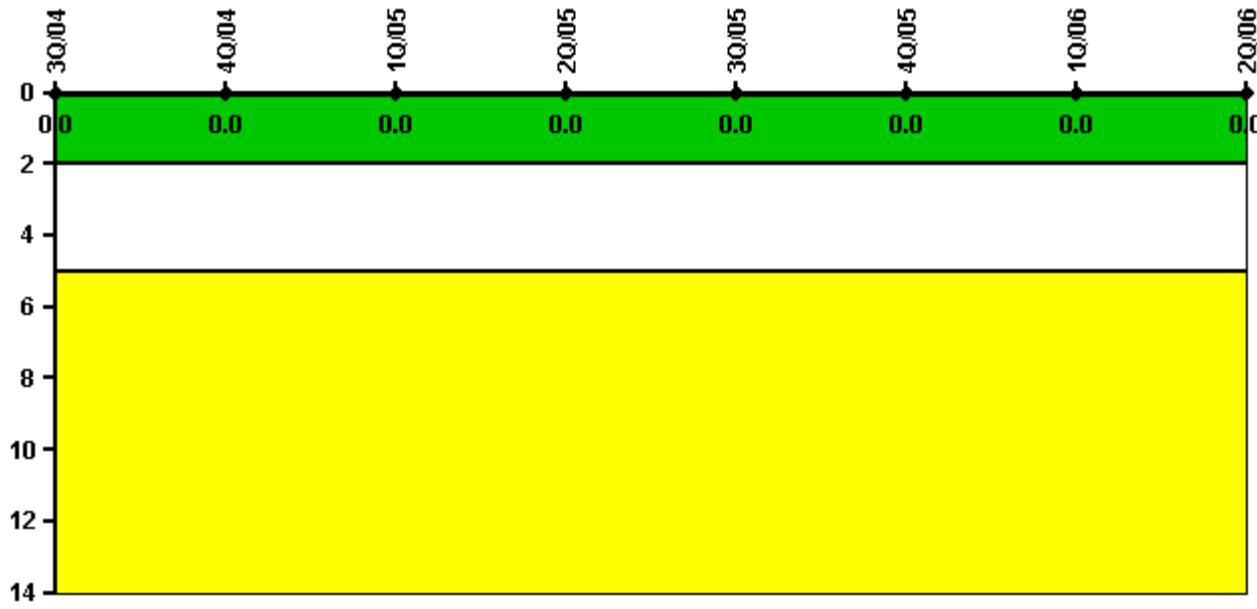


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	858	969	753	967	960	861	752	858
Total sirens-tests	864	972	756	972	972	864	756	864
Indicator value	99.6%	99.6%	99.5%	99.5%	99.4%	99.4%	99.3%	99.3%

Licensee Comments: none

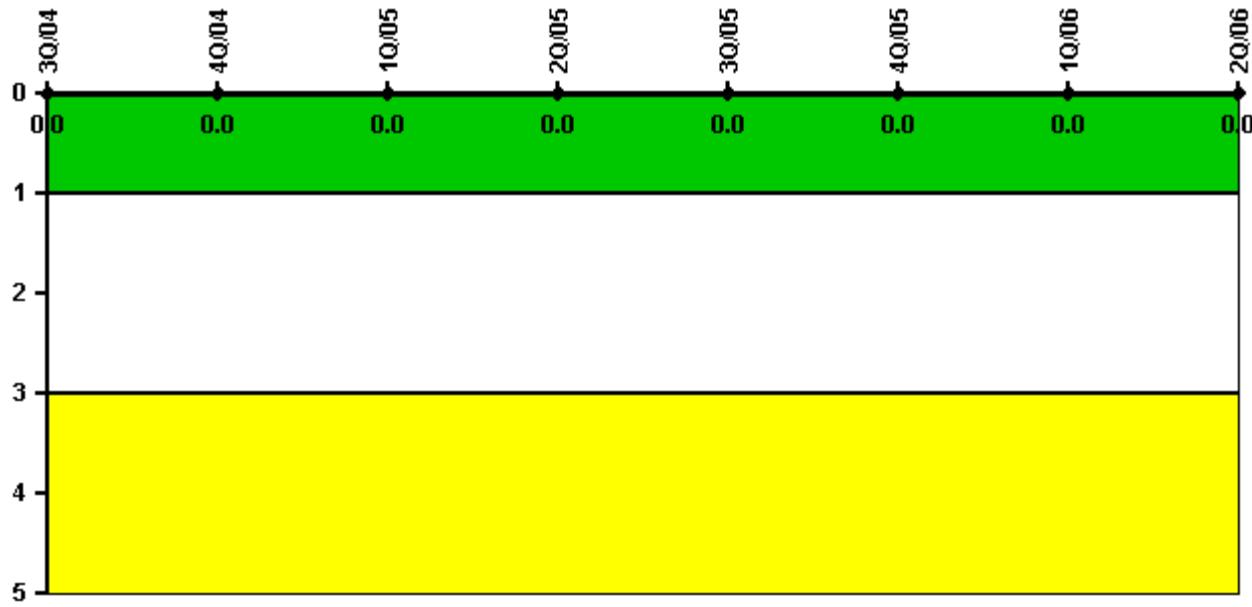
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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	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](#)

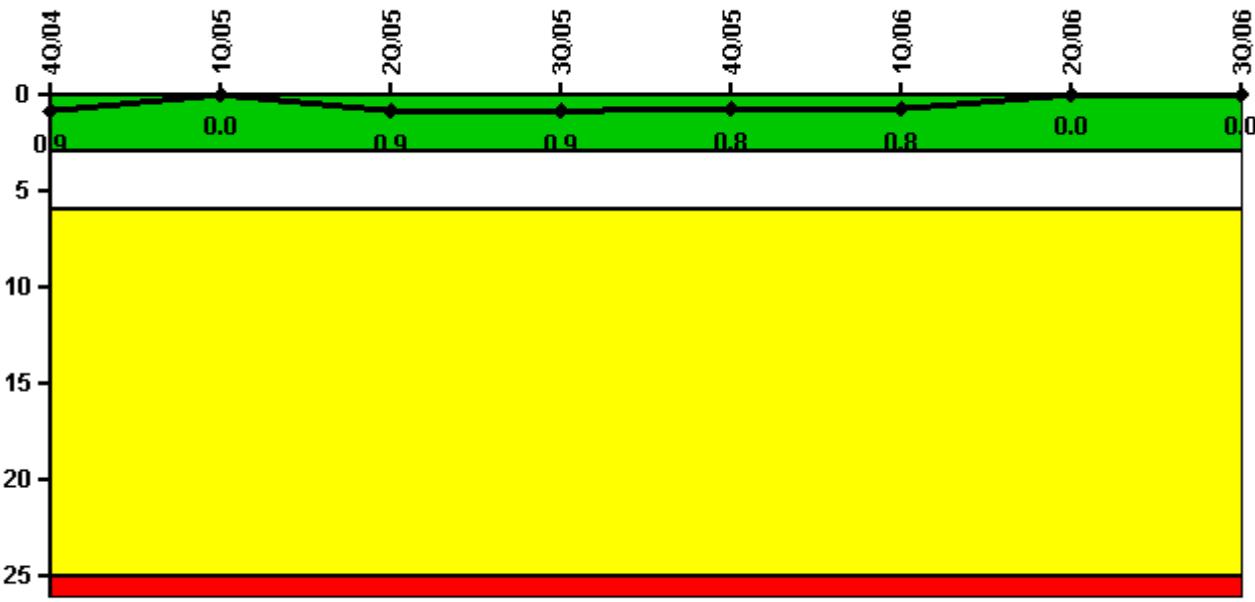
Last Modified: August 2, 2006

Sequoyah 1

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	1.0	0	0	0	0	0
Critical hours	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0
Indicator value	0.9	0	0.9	0.9	0.8	0.8	0	0

Licensee Comments: none

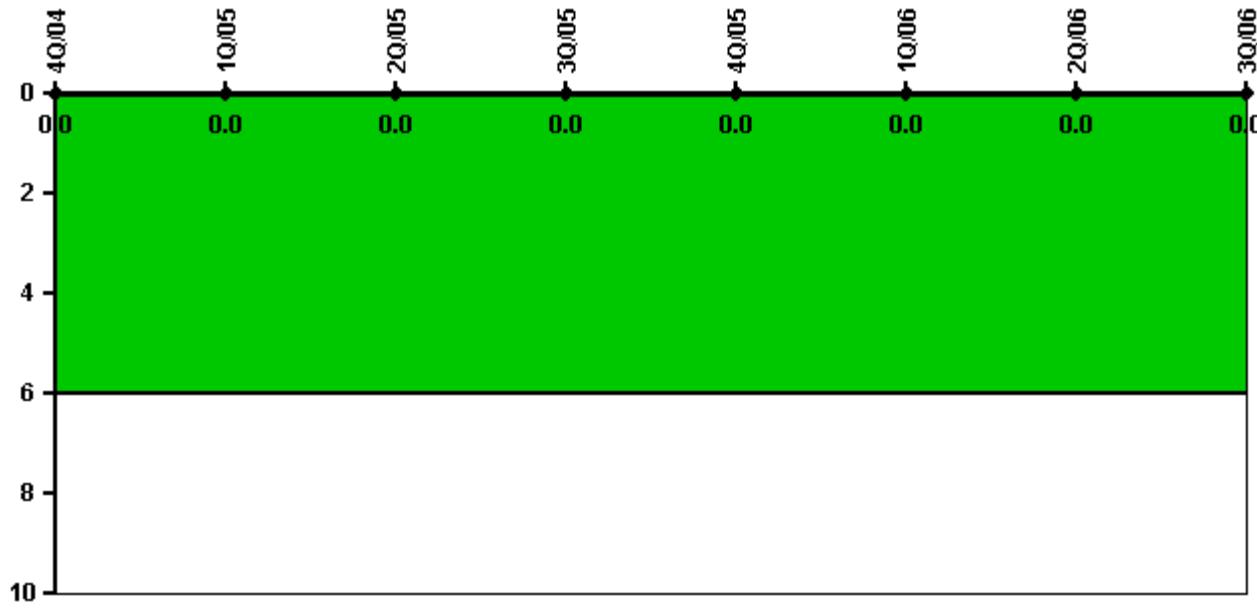
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

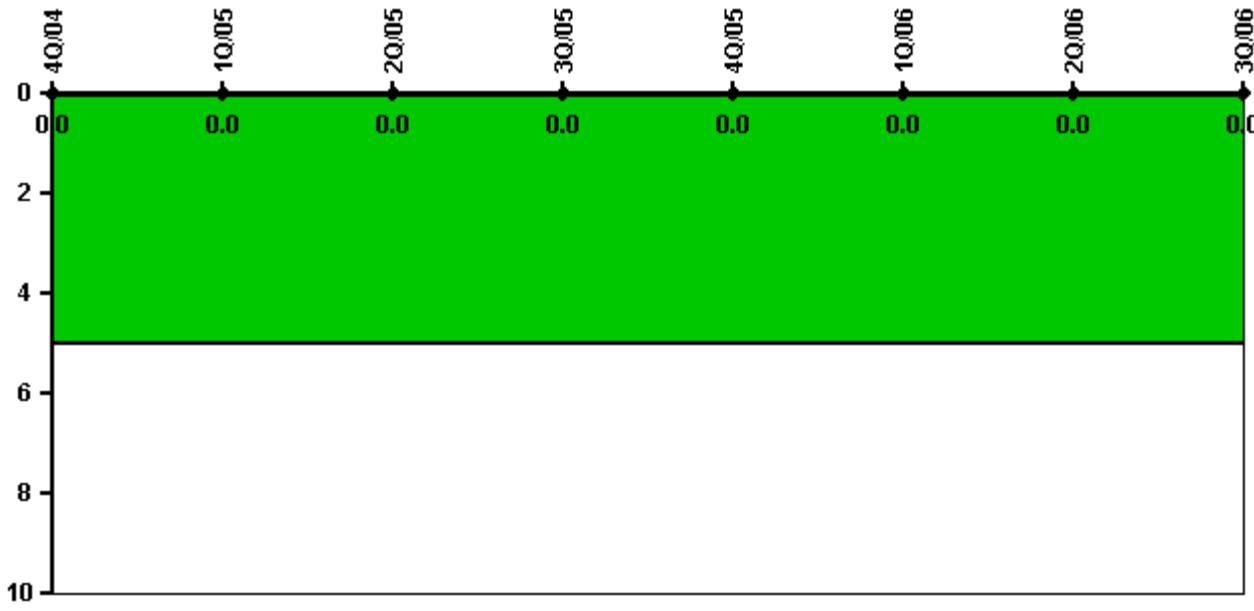
Unplanned Power Changes per 7000 Critical Hrs

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	1613.5	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)

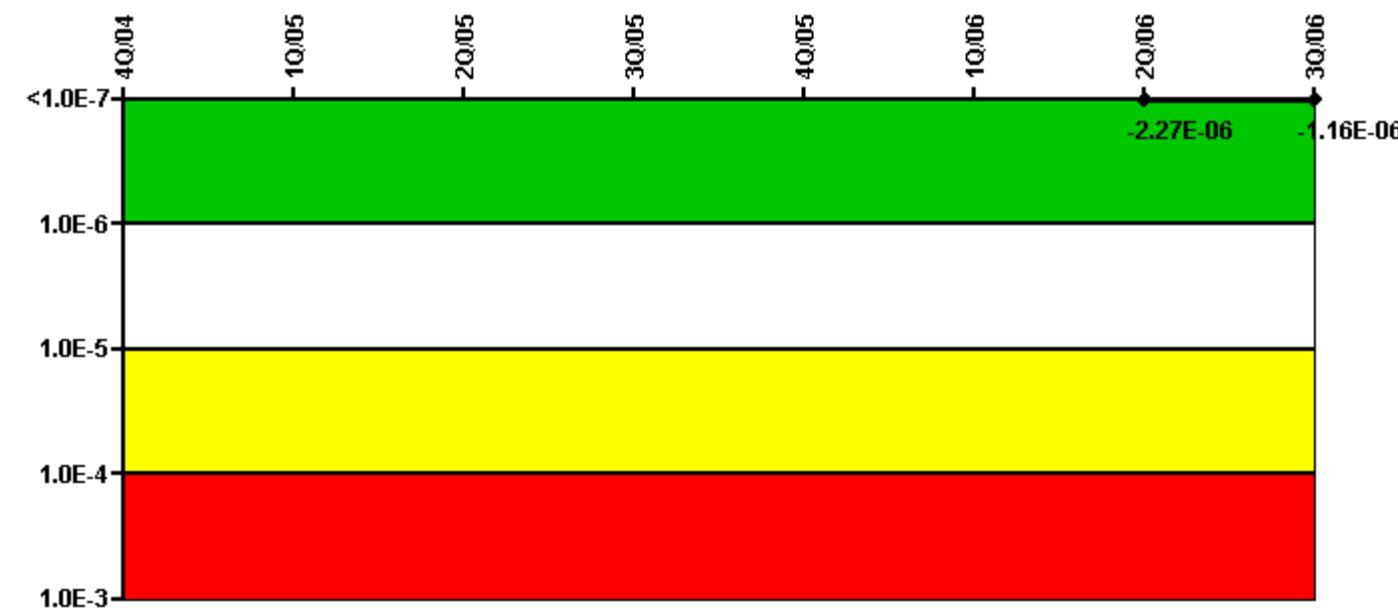
Thresholds: White > 5.0

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

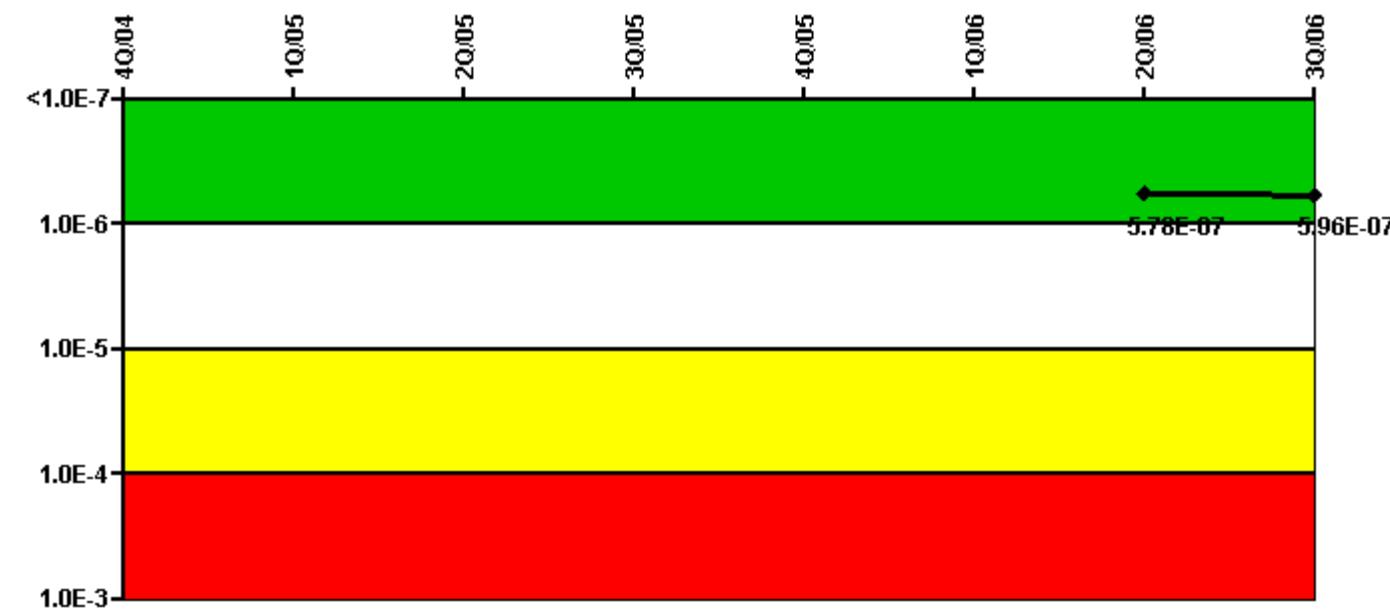
Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							1.30E-07	1.40E-07
URI (Δ CDF)							-2.40E-06	-1.30E-06
PLE							NO	NO
Indicator value							-2.27E-06	-1.16E-06

Licensee Comments:

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

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

Mitigating Systems Performance Index, High Pressure Injection System



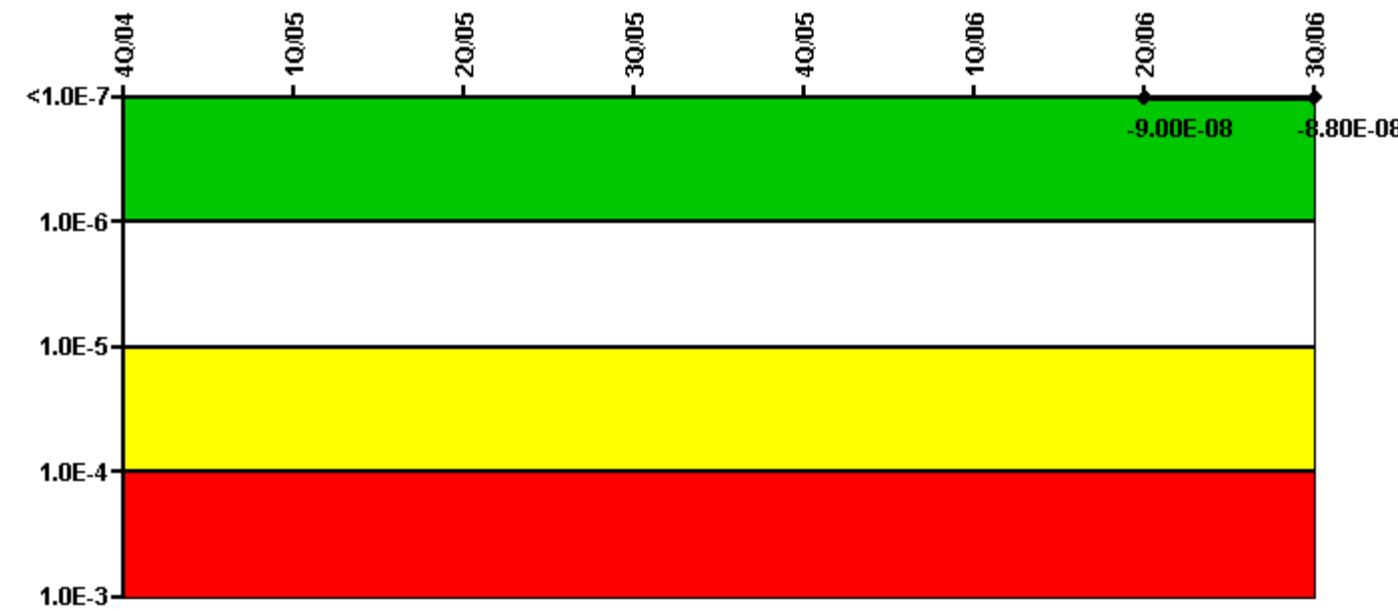
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							4.80E-08	6.60E-08
URI (Δ CDF)							5.30E-07	5.30E-07
PLE							NO	NO
Indicator value							5.78E-07	5.96E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



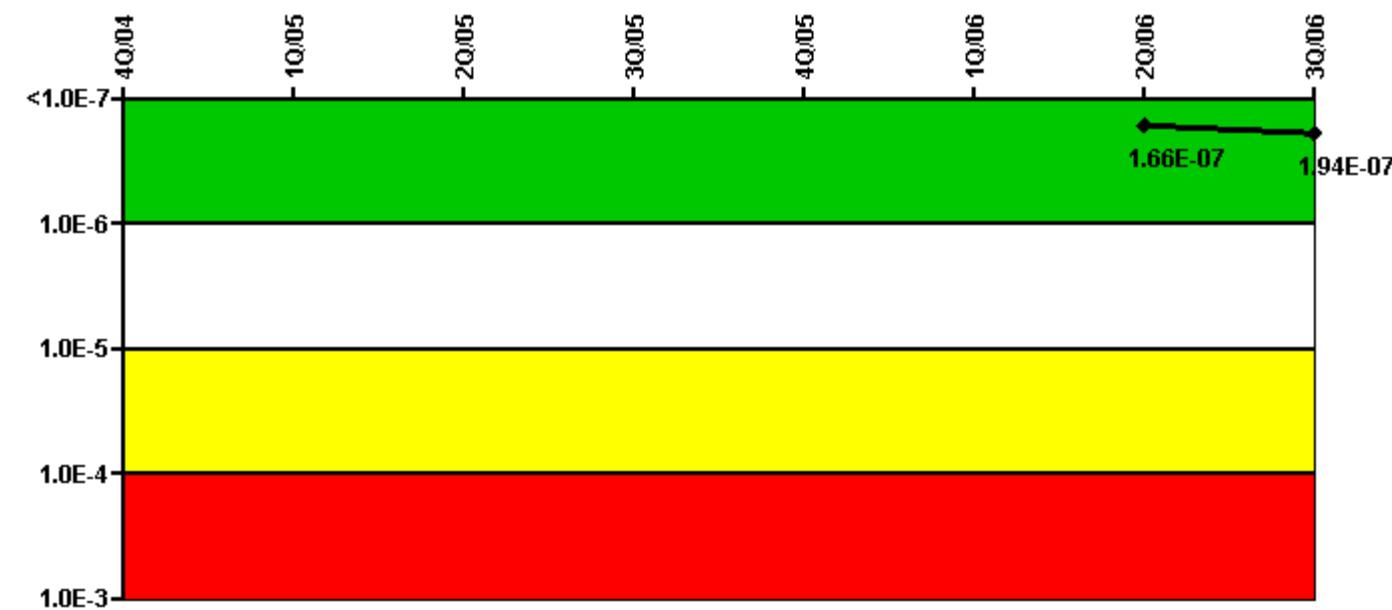
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-2.20E-08	-2.20E-08
URI (ΔCDF)							-6.80E-08	-6.60E-08
PLE							NO	NO
Indicator value							-9.00E-08	-8.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



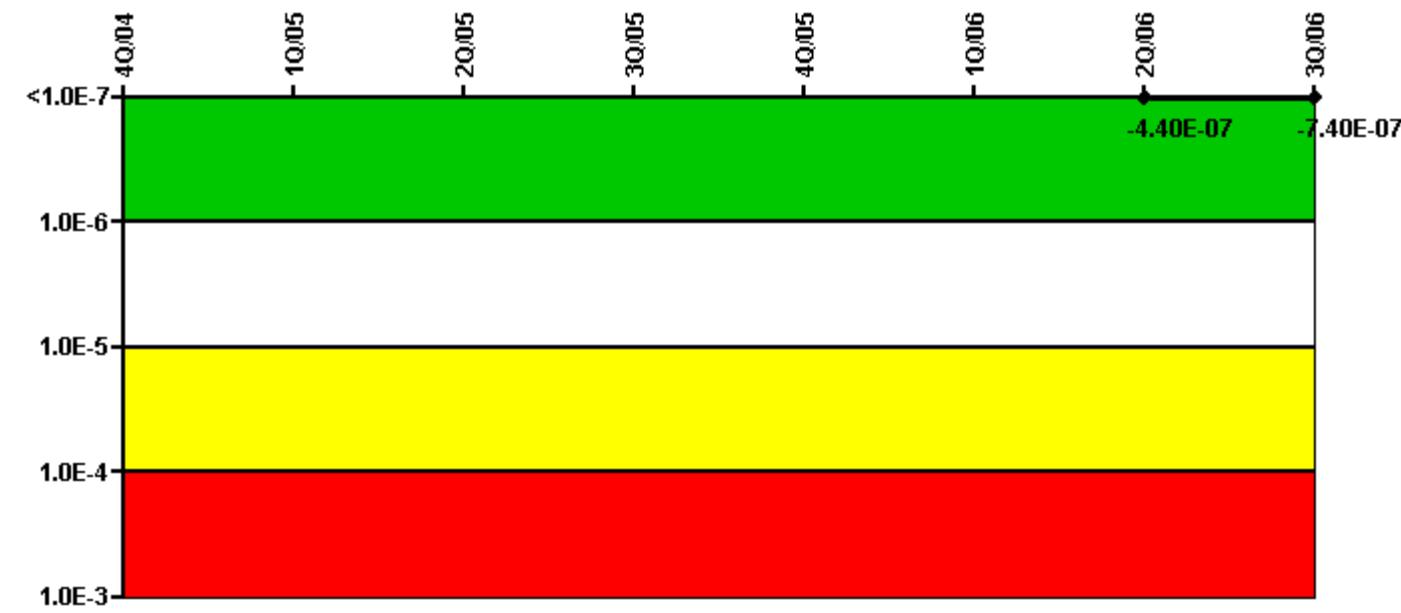
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							3.60E-08	6.40E-08
URI (Δ CDF)							1.30E-07	1.30E-07
PLE							NO	NO
Indicator value							1.66E-07	1.94E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



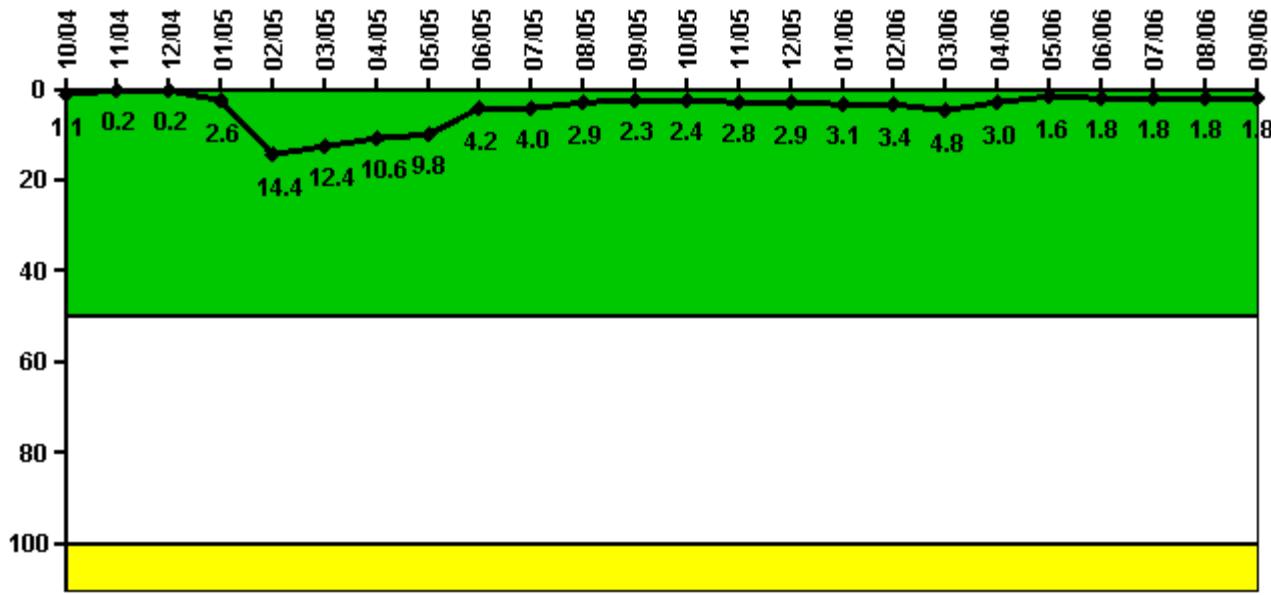
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-2.20E-07	-5.20E-07
URI (ΔCDF)							-2.20E-07	-2.20E-07
PLE							NO	NO
Indicator value							-4.40E-07	-7.40E-07

Licensee Comments: none

Reactor Coolant System Activity



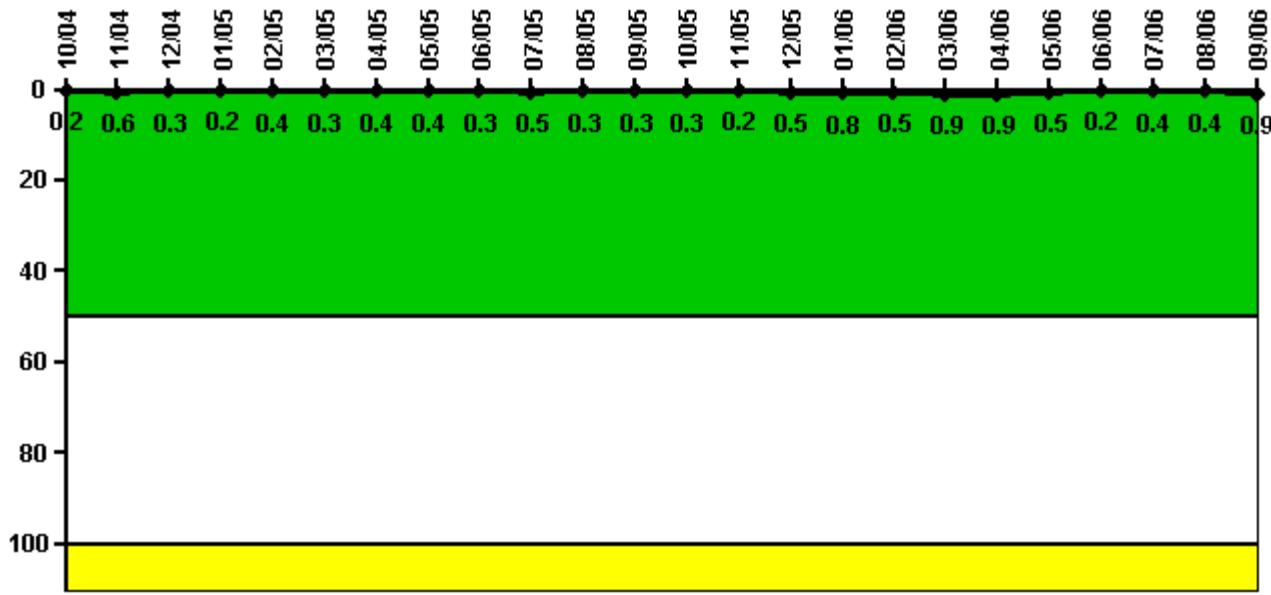
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.004010	0.000639	0.000693	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.1	0.2	0.2	2.6	14.4	12.4	10.6	9.8	4.2	4.0	2.9	2.3
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	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.4	2.8	2.9	3.1	3.4	4.8	3.0	1.6	1.8	1.8	1.8	1.8

Licensee Comments: none

Reactor Coolant System Leakage



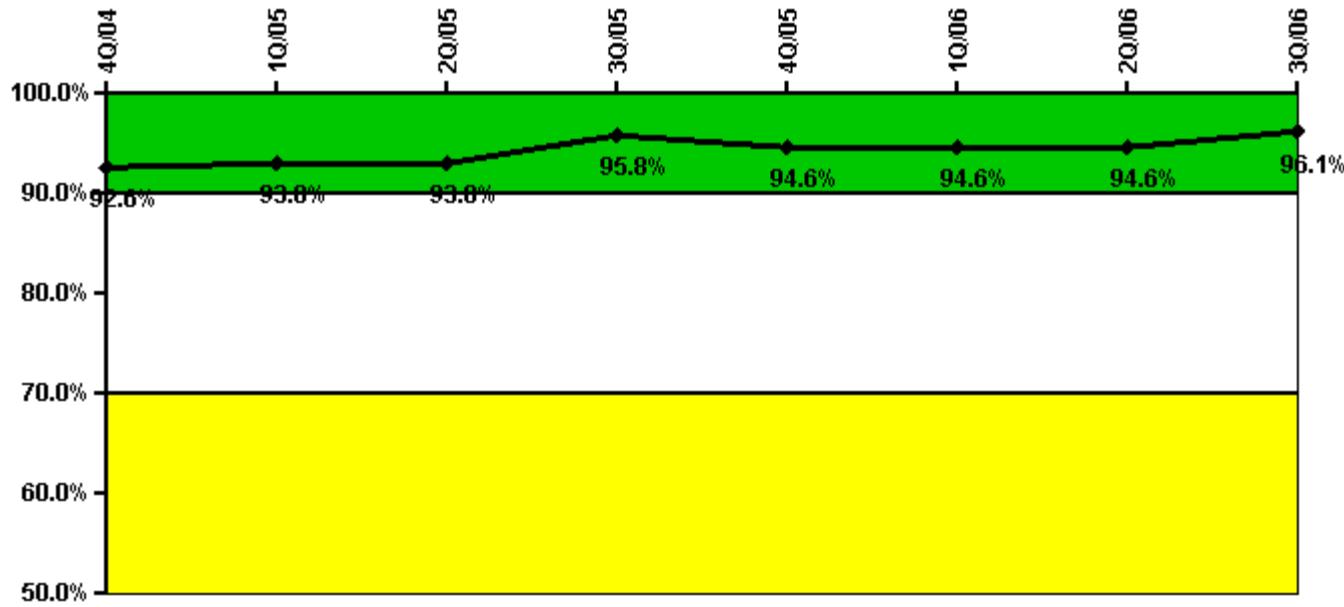
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.060	0.030	0.020	0.040	0.030	0.040	0.040	0.030	0.050	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.6	0.3	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.3
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	0.030	0.020	0.050	0.080	0.050	0.090	0.090	0.050	0.020	0.040	0.040	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.5	0.8	0.5	0.9	0.9	0.5	0.2	0.4	0.4	0.9

Licensee Comments: none

Drill/Exercise Performance



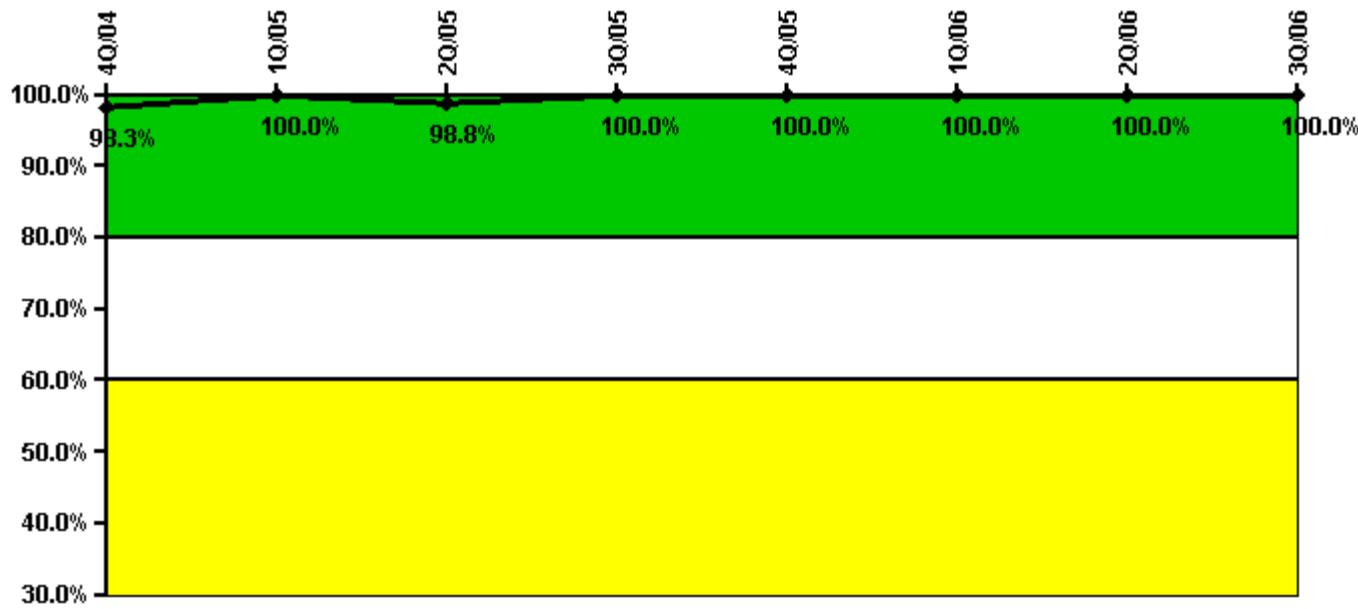
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	16.0	10.0	0	16.0	37.0	6.0	0	38.0
Total opportunities	16.0	10.0	0	16.0	42.0	6.0	0	38.0
Indicator value	92.6%	93.0%	93.0%	95.8%	94.6%	94.6%	94.6%	96.1%

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	58.0	83.0	83.0	90.0	87.0	87.0	88.0	82.0
Total Key personnel	59.0	83.0	84.0	90.0	87.0	87.0	88.0	82.0
Indicator value	98.3%	100.0%	98.8%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

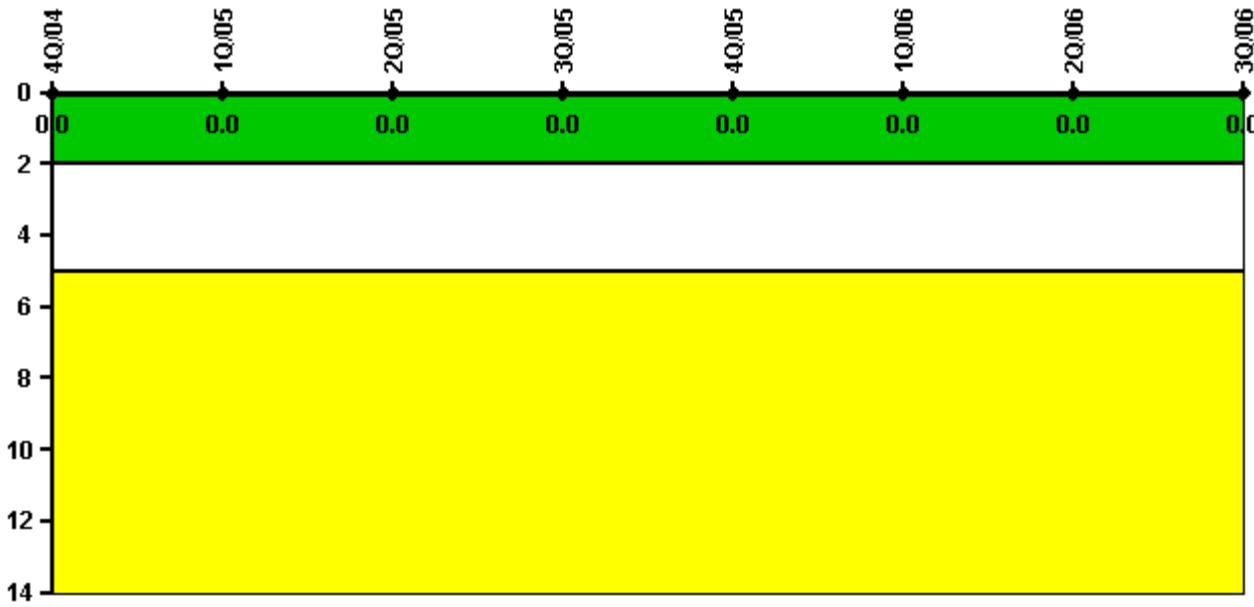


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	969	753	967	960	861	752	858	854
Total sirens-tests	972	756	972	972	864	756	864	861
Indicator value	99.6%	99.5%	99.5%	99.4%	99.4%	99.3%	99.3%	99.4%

Licensee Comments: none

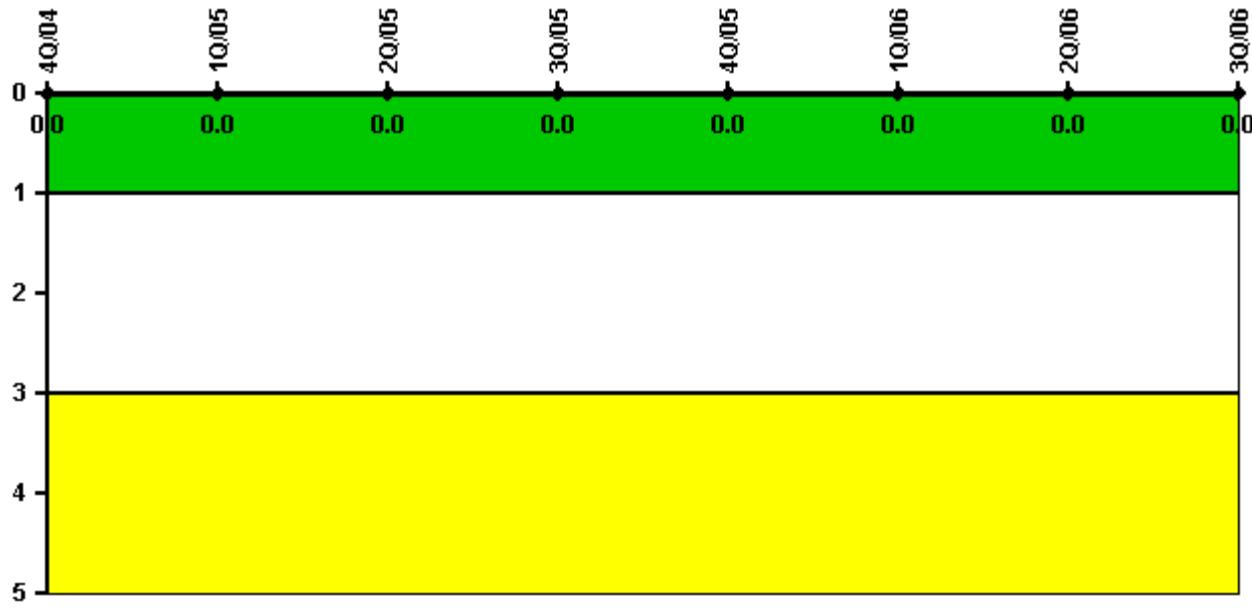
Occupational Exposure Control Effectiveness

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.



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

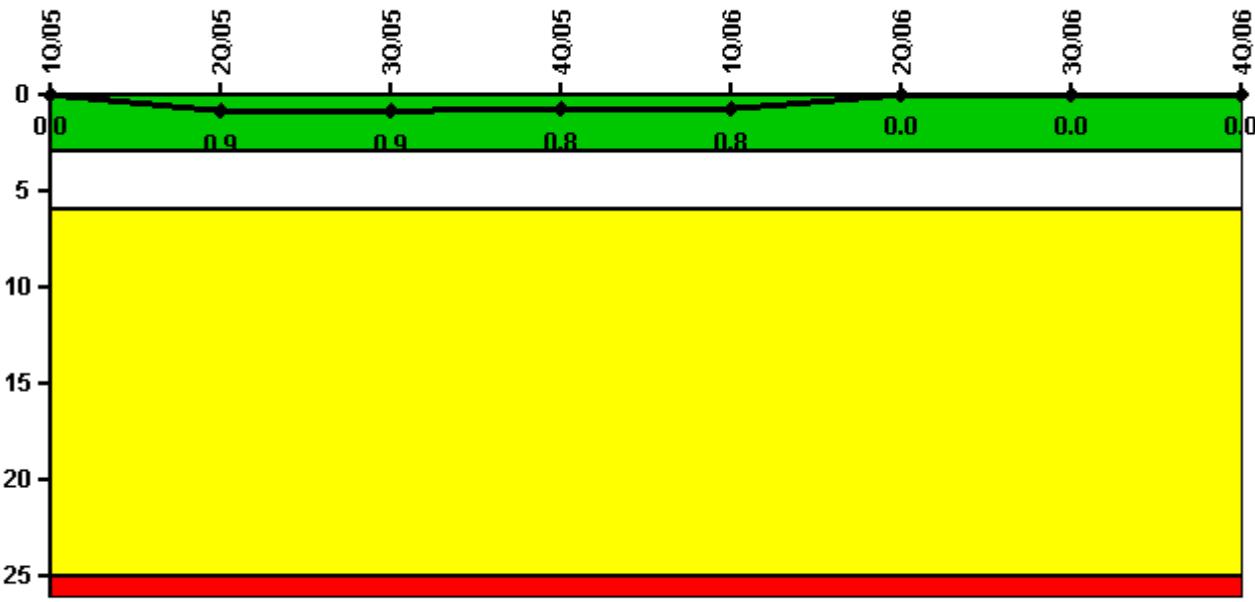
Last Modified: November 6, 2006

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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	1.0	0	0	0	0	0	0
Critical hours	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0
Indicator value	0	0.9	0.9	0.8	0.8	0	0	0

Licensee Comments: none

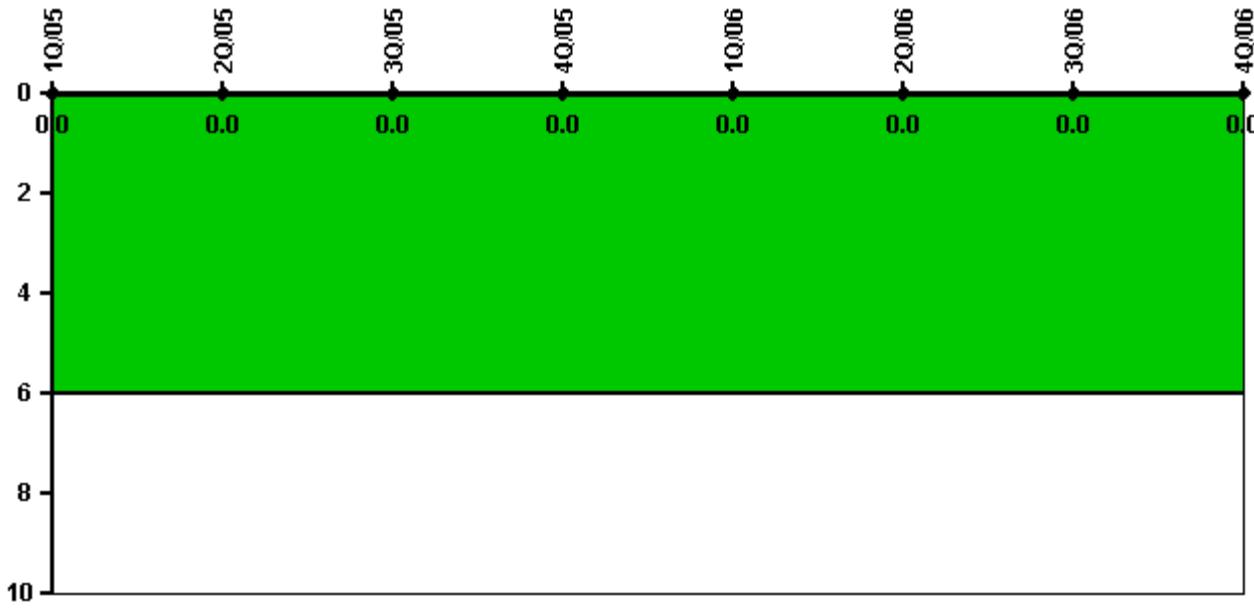
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

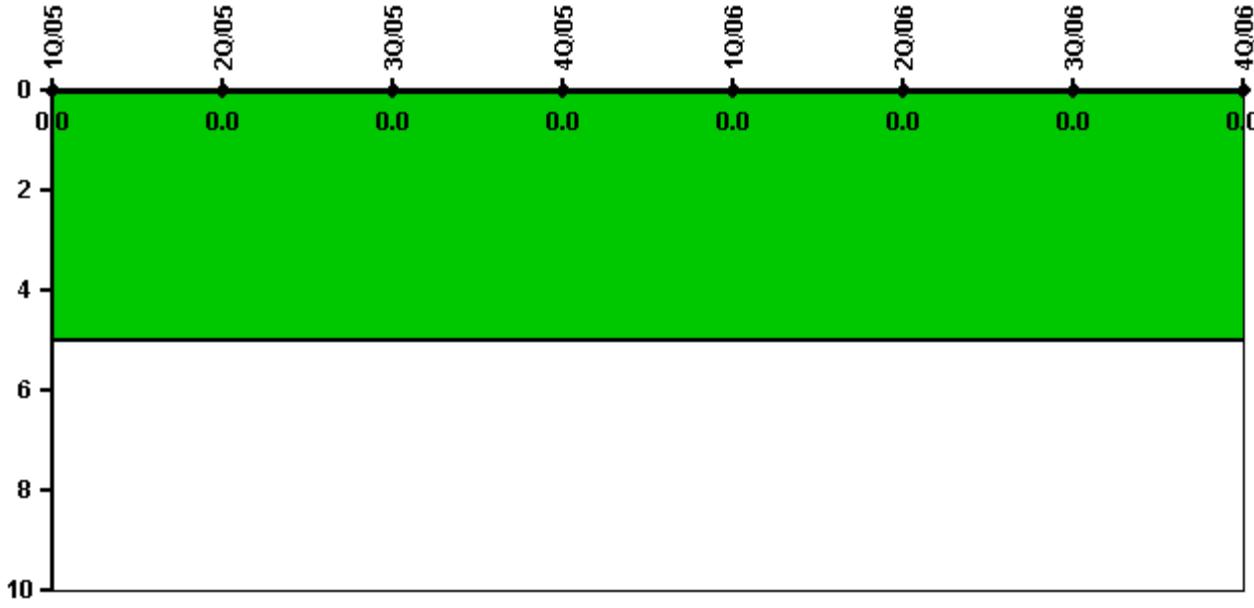
Unplanned Power Changes per 7000 Critical Hrs

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	0
Critical hours	2160.0	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0
Indicator value	0							

Licensee Comments: none

Safety System Functional Failures (PWR)

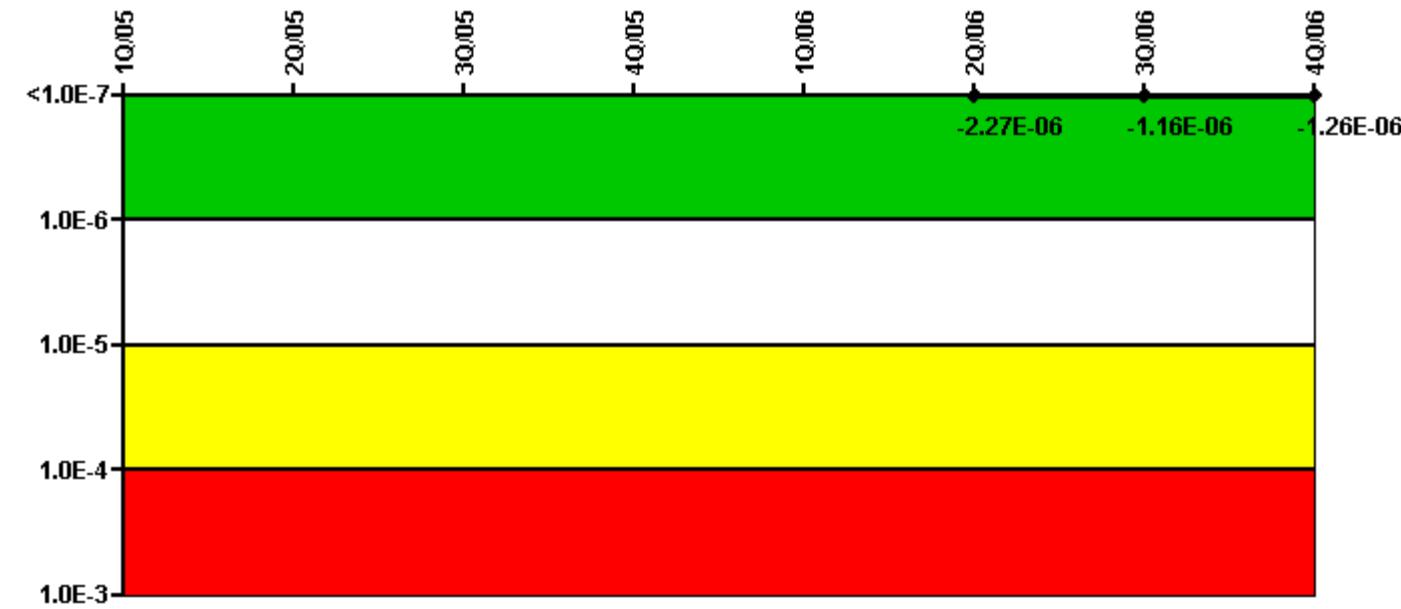
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



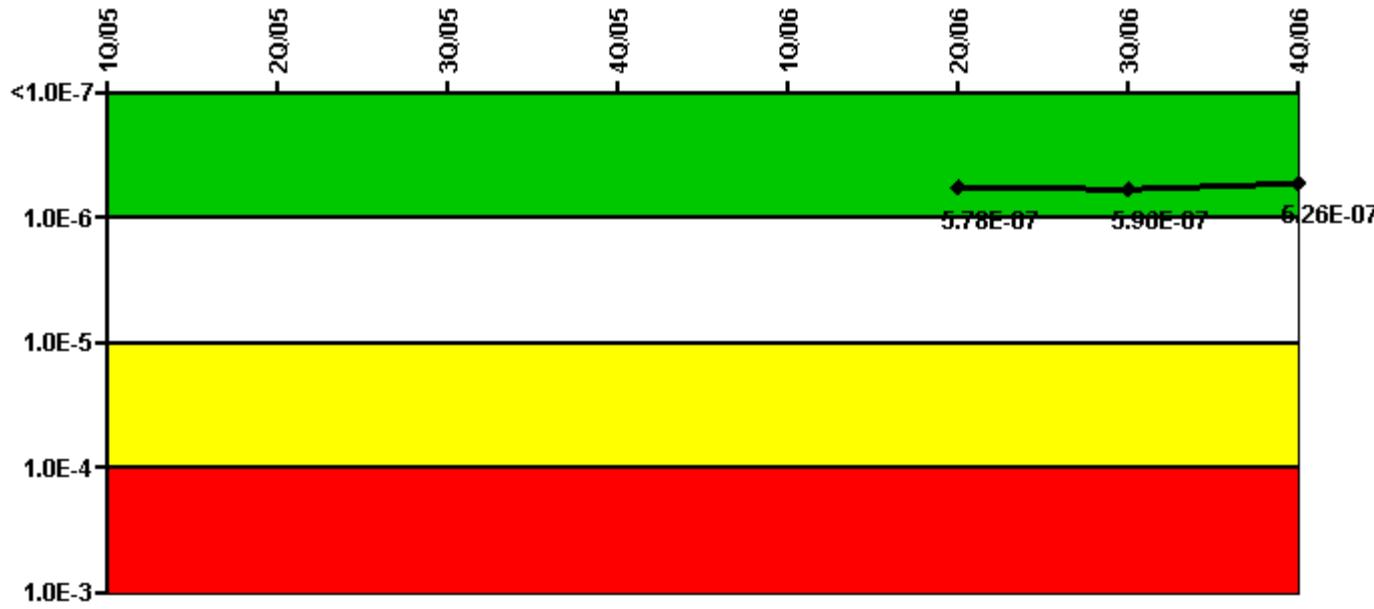
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						1.30E-07	1.40E-07	1.40E-07
URI (Δ CDF)						-2.40E-06	-1.30E-06	-1.40E-06
PLE						NO	NO	NO
Indicator value						-2.27E-06	-1.16E-06	-1.26E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



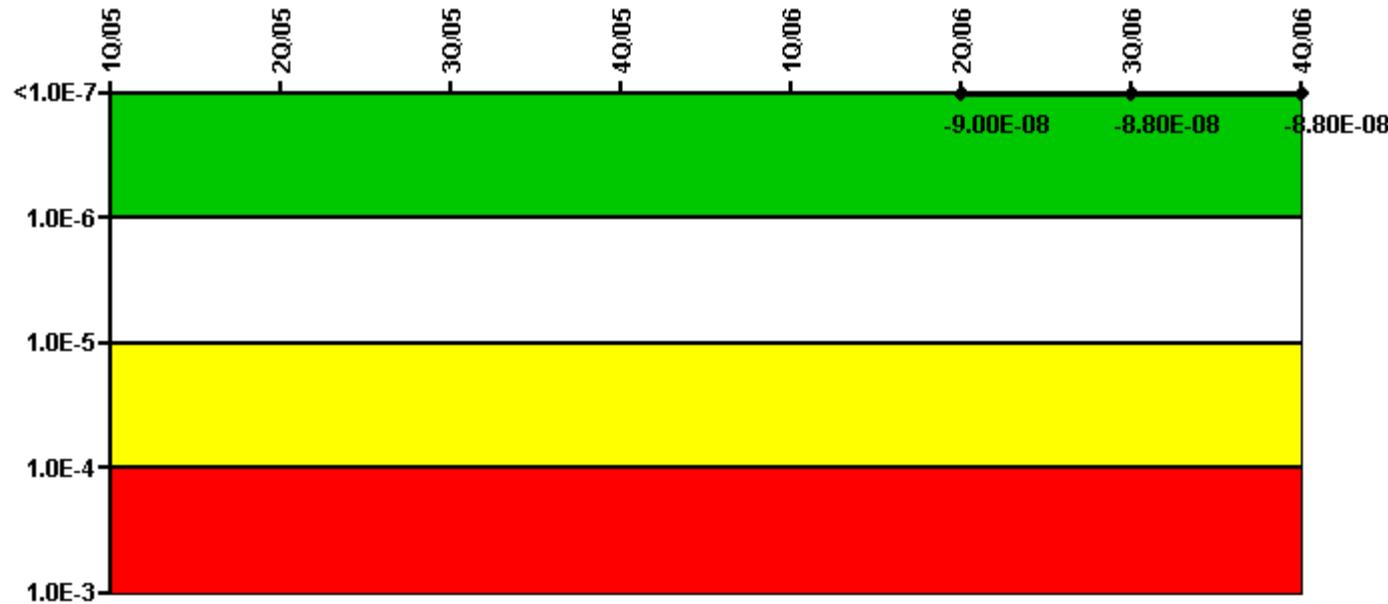
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						4.80E-08	6.60E-08	2.60E-08
URI (Δ CDF)						5.30E-07	5.30E-07	5.00E-07
PLE						NO	NO	NO
Indicator value						5.78E-07	5.96E-07	5.26E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



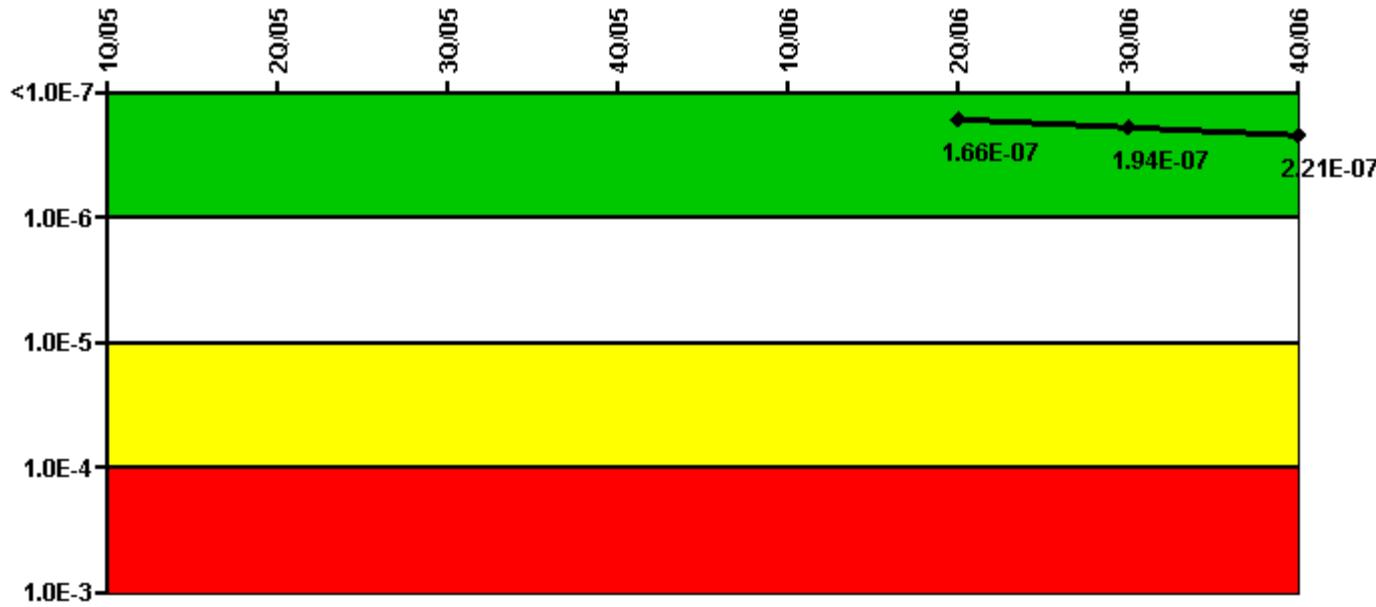
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)						-6.80E-08	-6.60E-08	-6.60E-08
PLE						NO	NO	NO
Indicator value						-9.00E-08	-8.80E-08	-8.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



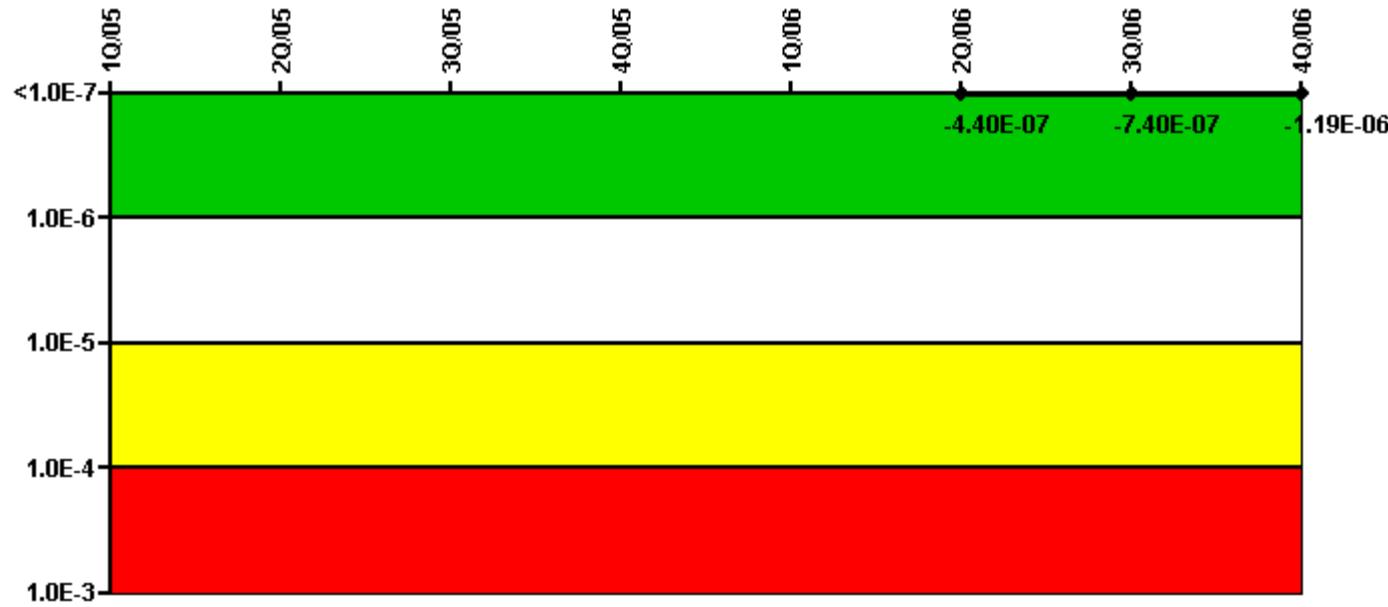
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						3.60E-08	6.40E-08	9.10E-08
URI (Δ CDF)						1.30E-07	1.30E-07	1.30E-07
PLE						NO	NO	NO
Indicator value						1.66E-07	1.94E-07	2.21E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

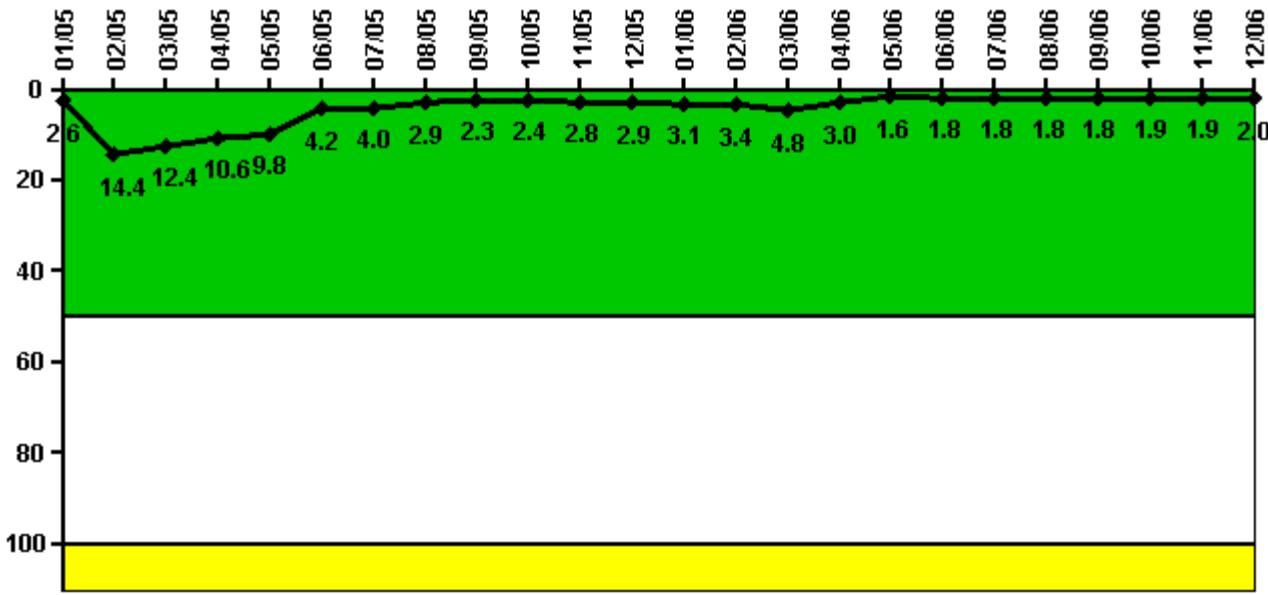
Notes

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)						-2.20E-07	-5.20E-07	-9.70E-07
URI (ΔCDF)						-2.20E-07	-2.20E-07	-2.20E-07
PLE						NO	NO	NO
Indicator value						-4.40E-07	-7.40E-07	-1.19E-06

Licensee Comments:

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

Reactor Coolant System Activity



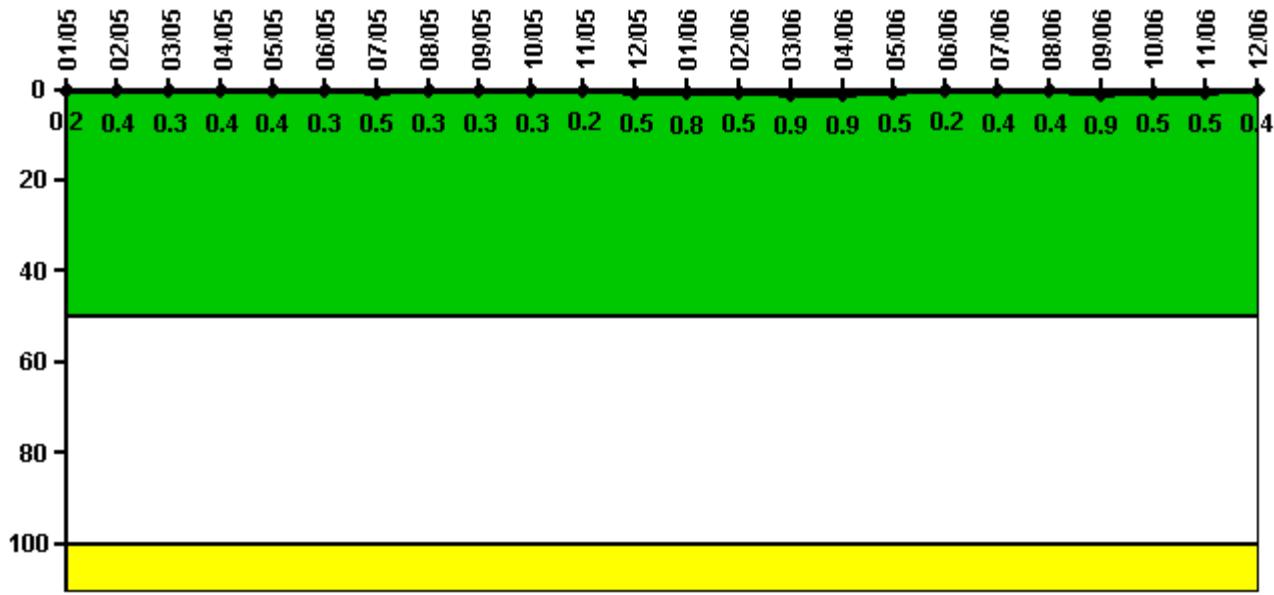
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.008940	0.050560	0.043280	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.6	14.4	12.4	10.6	9.8	4.2	4.0	2.9	2.3	2.4	2.8	2.9
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	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	3.1	3.4	4.8	3.0	1.6	1.8	1.8	1.8	1.8	1.9	1.9	2.0

Licensee Comments: none

Reactor Coolant System Leakage



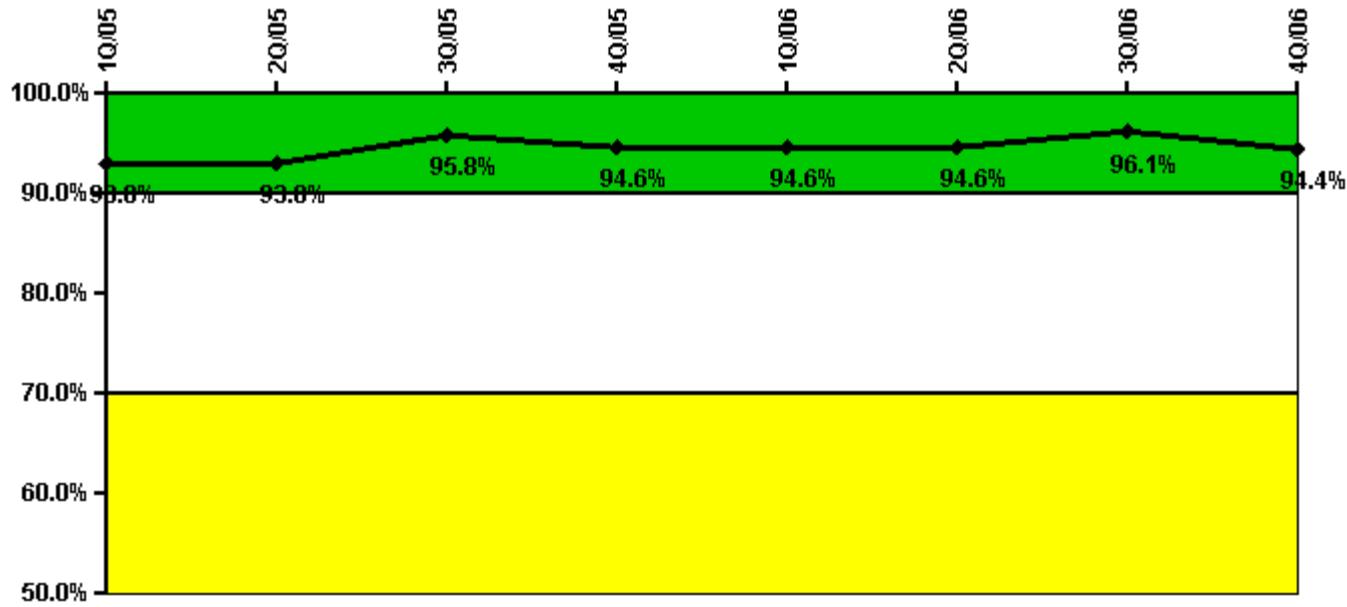
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.020	0.040	0.030	0.040	0.040	0.030	0.050	0.030	0.030	0.030	0.020	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.2	0.5
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.080	0.050	0.090	0.090	0.050	0.020	0.040	0.040	0.090	0.050	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.5	0.9	0.9	0.5	0.2	0.4	0.4	0.9	0.5	0.5	0.4

Licensee Comments: none

Drill/Exercise Performance



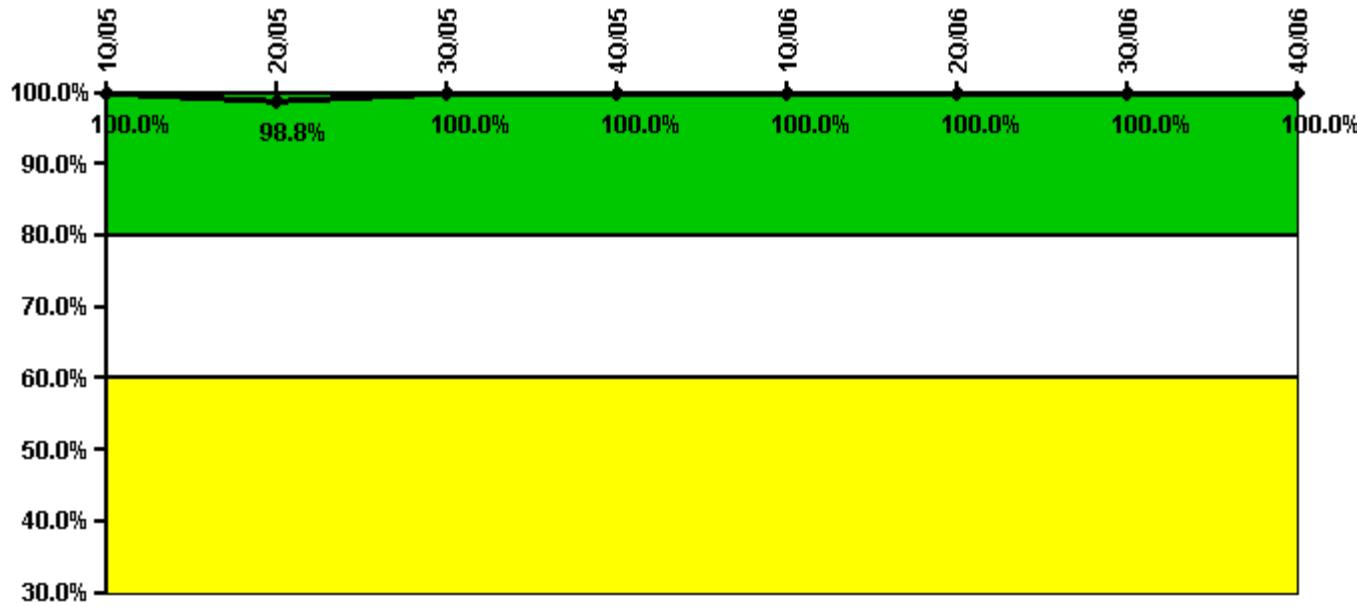
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	10.0	0	16.0	37.0	6.0	0	38.0	44.0
Total opportunities	10.0	0	16.0	42.0	6.0	0	38.0	48.0
Indicator value	93.0%	93.0%	95.8%	94.6%	94.6%	94.6%	96.1%	94.4%

Licensee Comments: none

ERO Drill Participation



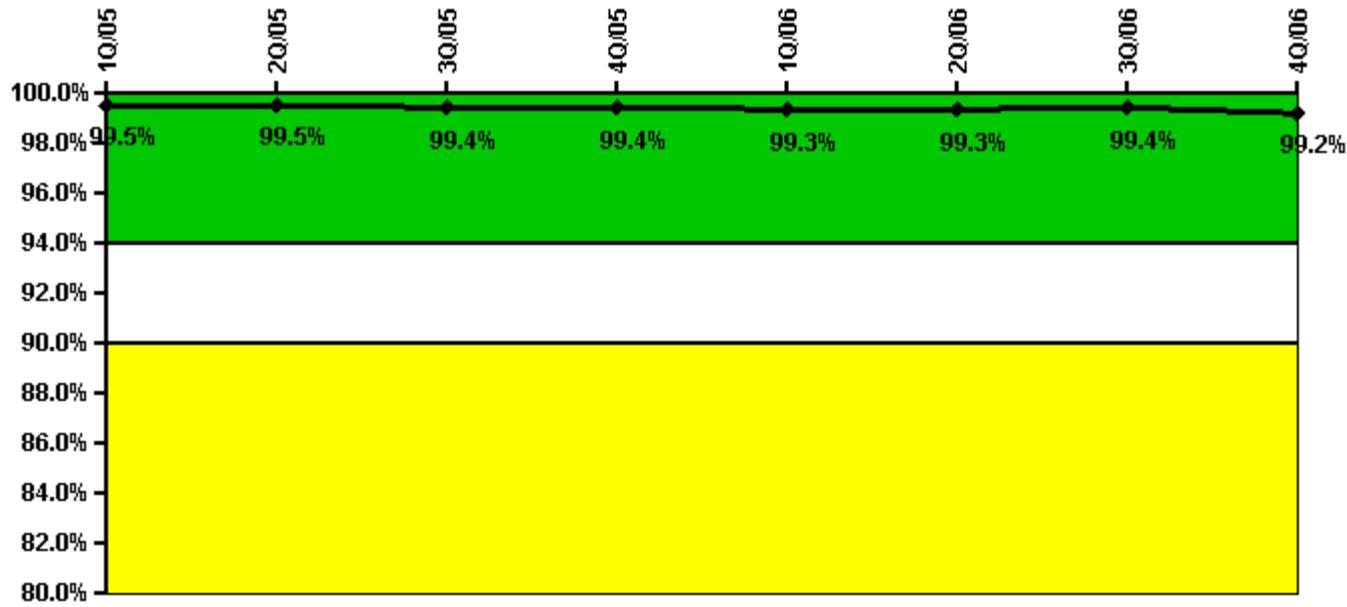
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	83.0	83.0	90.0	87.0	87.0	88.0	82.0	81.0
Total Key personnel	83.0	84.0	90.0	87.0	87.0	88.0	82.0	81.0
Indicator value	100.0%	98.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

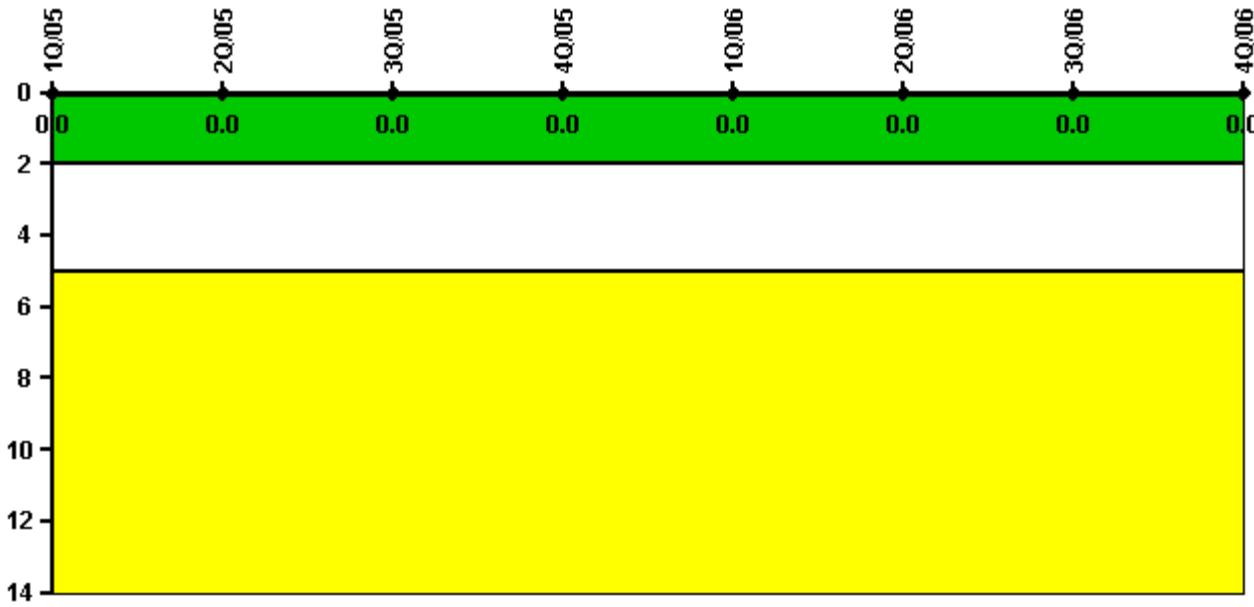


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	753	967	960	861	752	858	854	855
Total sirens-tests	756	972	972	864	756	864	861	864
Indicator value	99.5%	99.5%	99.4%	99.4%	99.3%	99.3%	99.4%	99.2%

Licensee Comments: none

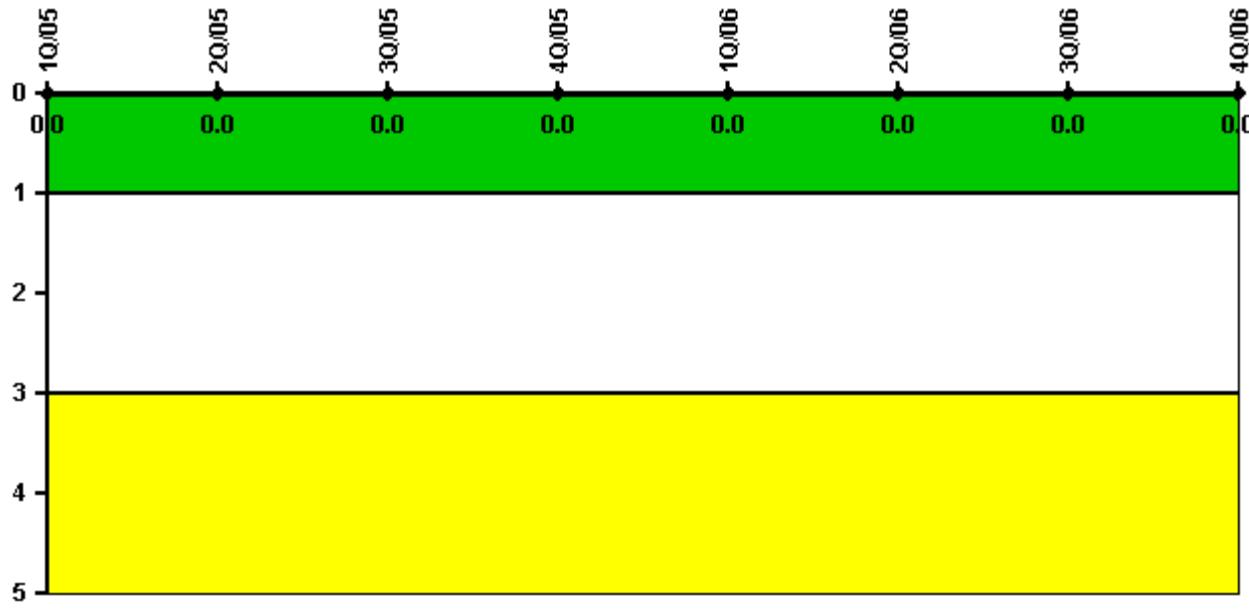
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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



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

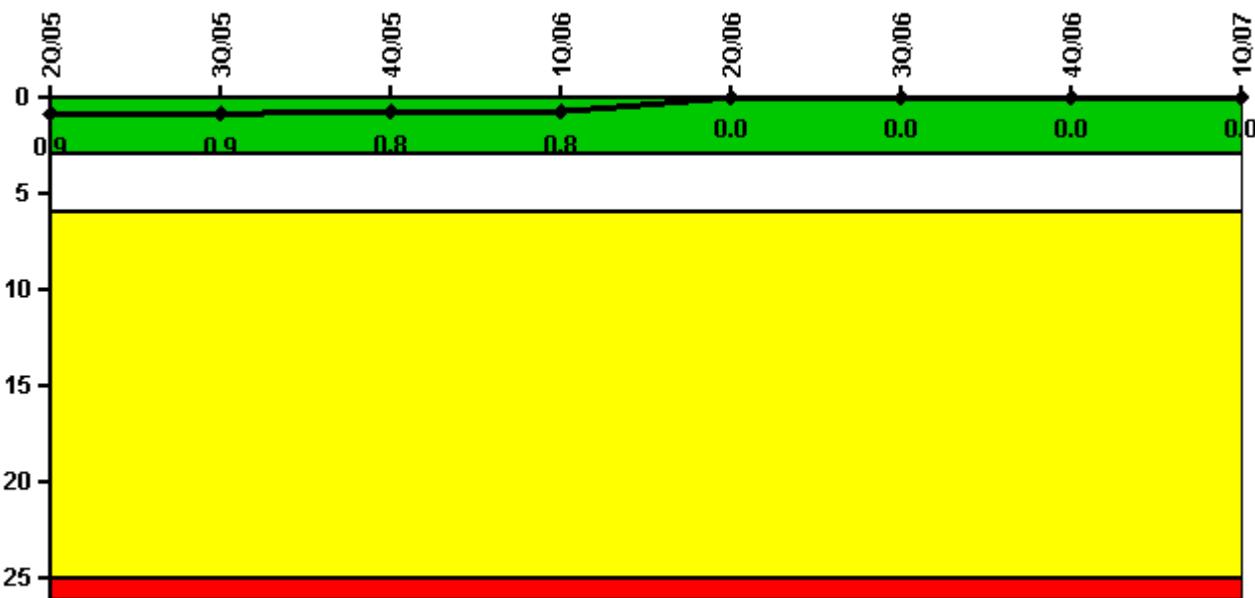
Last Modified: February 7, 2007

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1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0.8	0.8	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



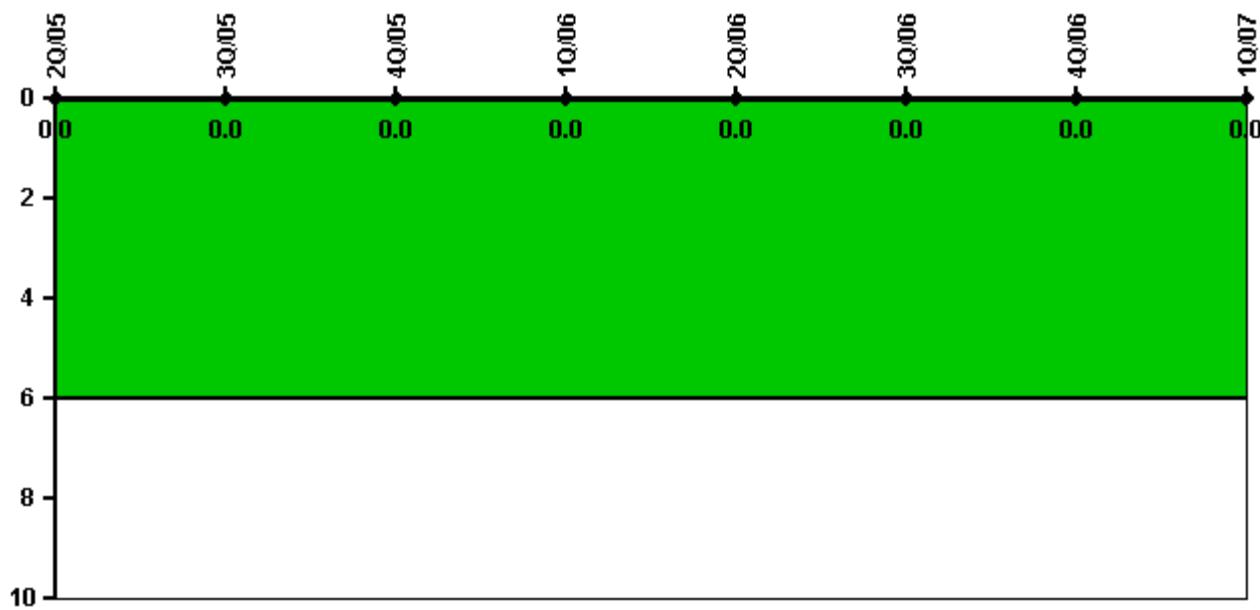
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



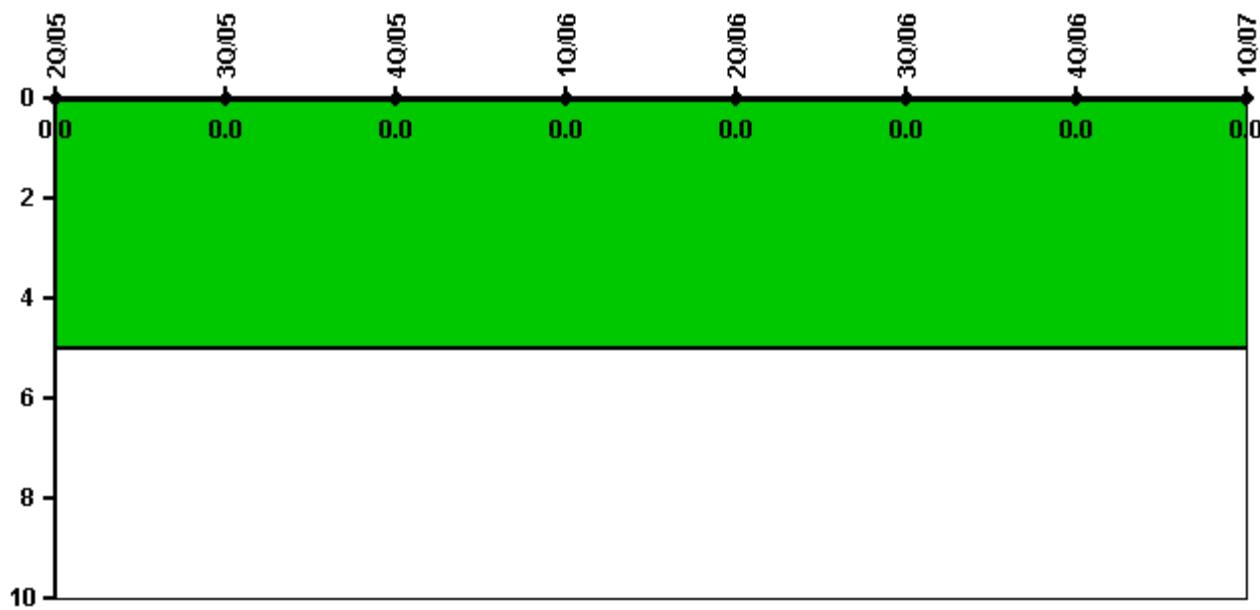
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2117.9	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0
Indicator value	0							

Licensee Comments: none

Safety System Functional Failures (PWR)



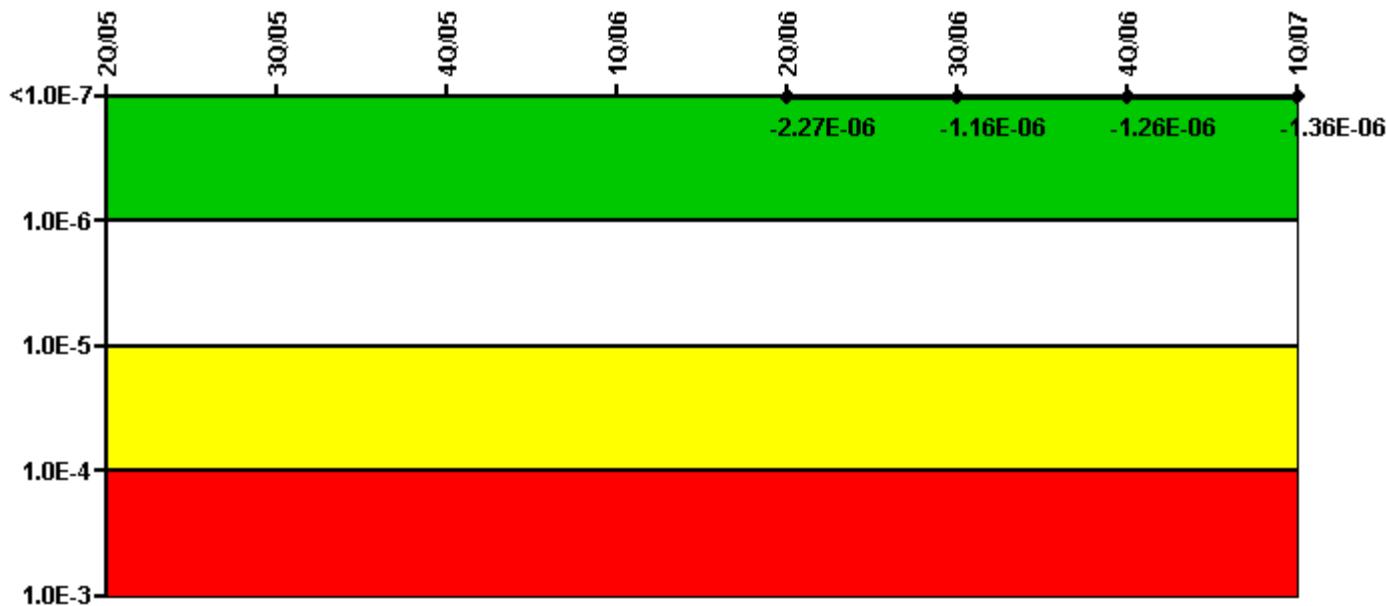
Thresholds: White > 5.0

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



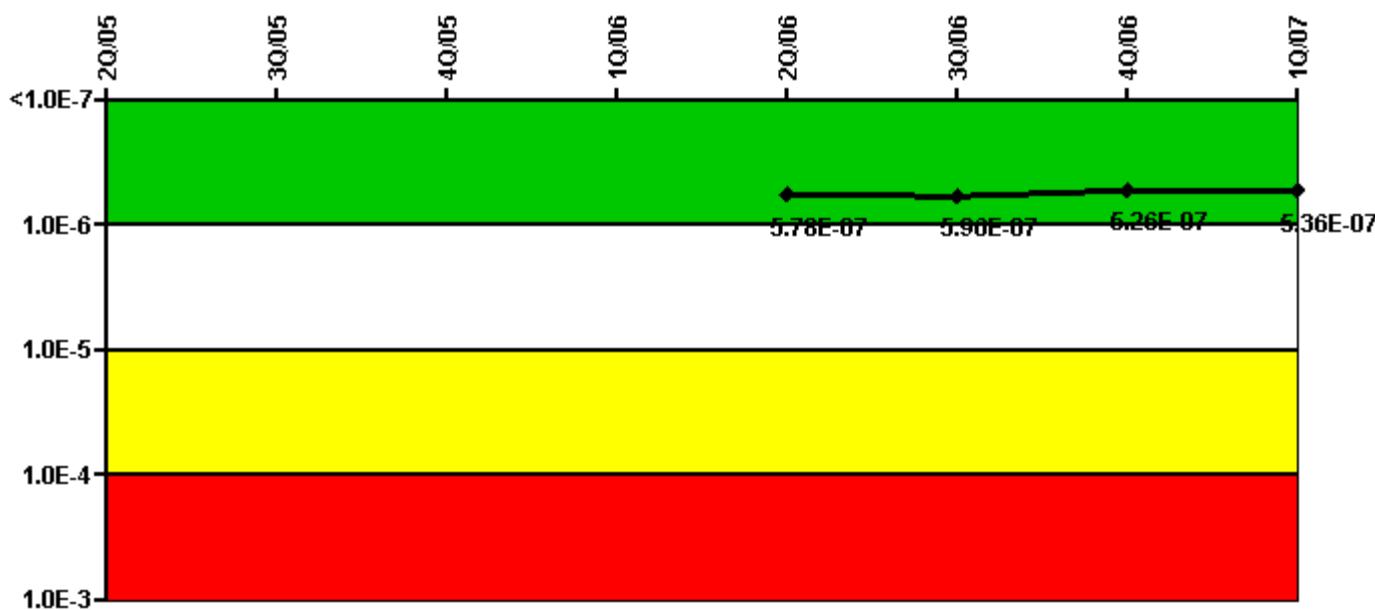
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)					1.30E-07	1.40E-07	1.40E-07	1.40E-07
URI (Δ CDF)					-2.40E-06	-1.30E-06	-1.40E-06	-1.50E-06
PLE					NO	NO	NO	NO
Indicator value					-2.27E-06	-1.16E-06	-1.26E-06	-1.36E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					4.80E-08	6.60E-08	2.60E-08	3.60E-08
URI (Δ CDF)					5.30E-07	5.30E-07	5.00E-07	5.00E-07
PLE					NO	NO	NO	NO
Indicator value					5.78E-07	5.96E-07	5.26E-07	5.36E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



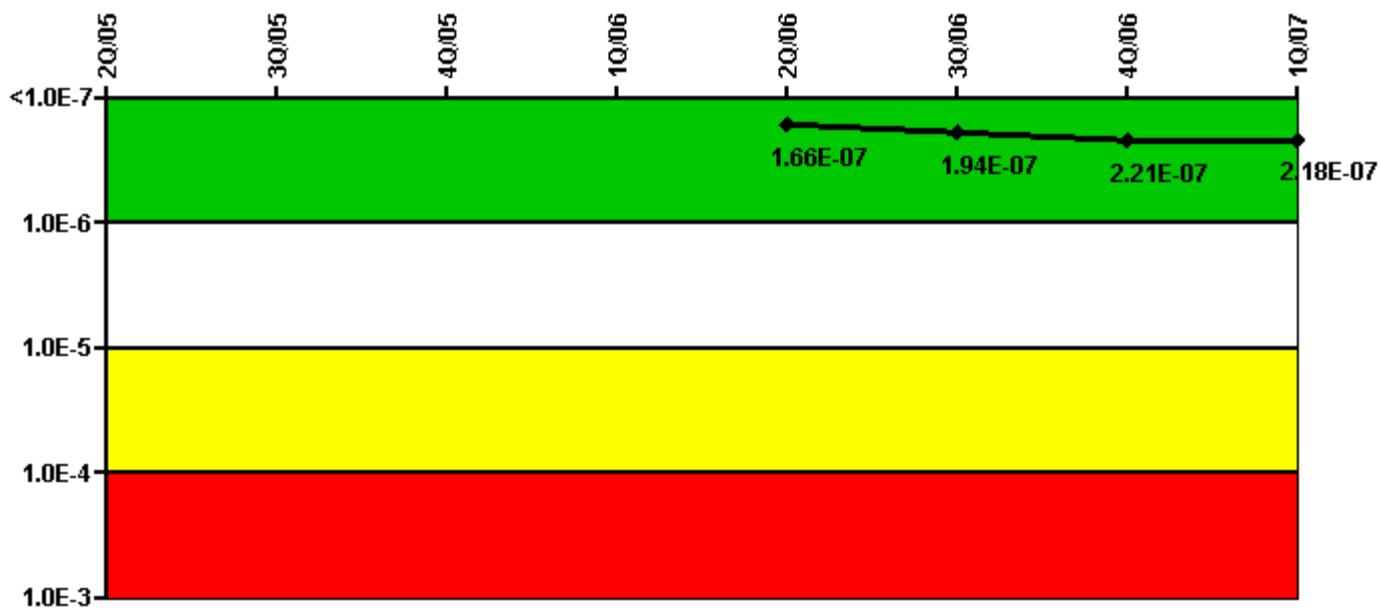
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$
URI (Δ CDF)					$-6.80E-08$	$-6.60E-08$	$-6.60E-08$	$-6.40E-08$
PLE					NO	NO	NO	NO
Indicator value					$-9.00E-08$	$-8.80E-08$	$-8.80E-08$	$-8.60E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



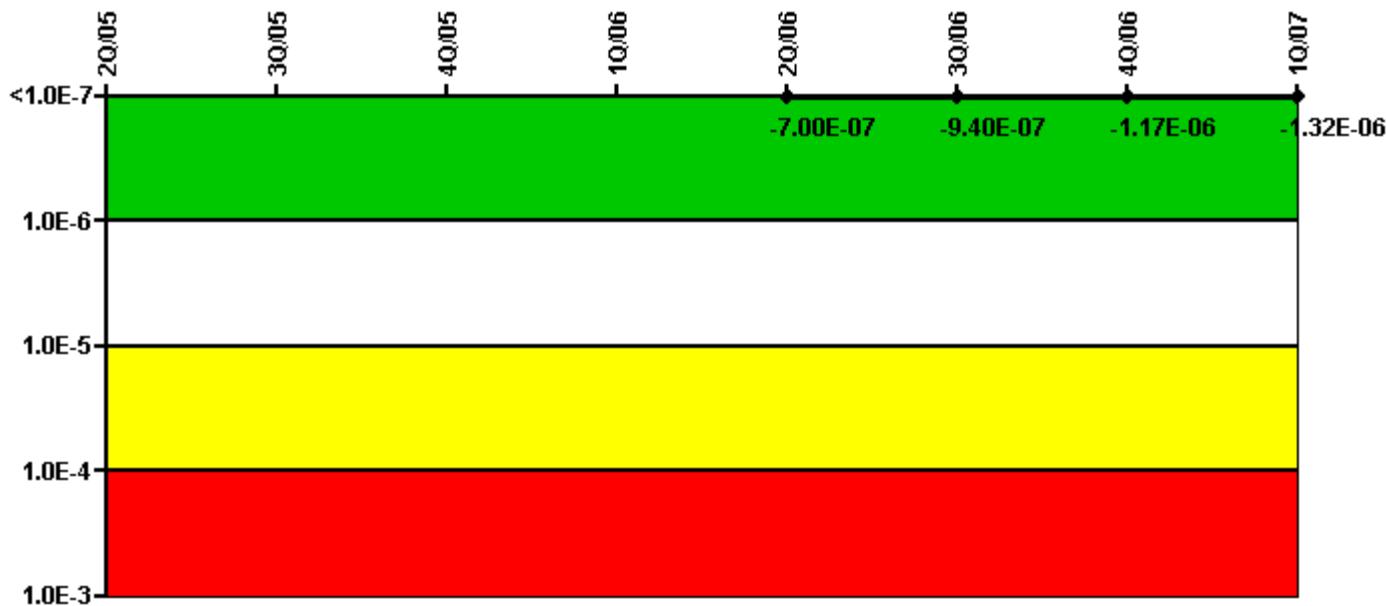
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					3.60E-08	6.40E-08	9.10E-08	8.80E-08
URI (Δ CDF)					1.30E-07	1.30E-07	1.30E-07	1.30E-07
PLE					NO	NO	NO	NO
Indicator value					1.66E-07	1.94E-07	2.21E-07	2.18E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-4.80E-07	-7.20E-07	-9.50E-07	-1.10E-06
URI (Δ CDF)					-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE					NO	NO	NO	NO
Indicator value					-7.00E-07	-9.40E-07	-1.17E-06	-1.32E-06

Licensee Comments:

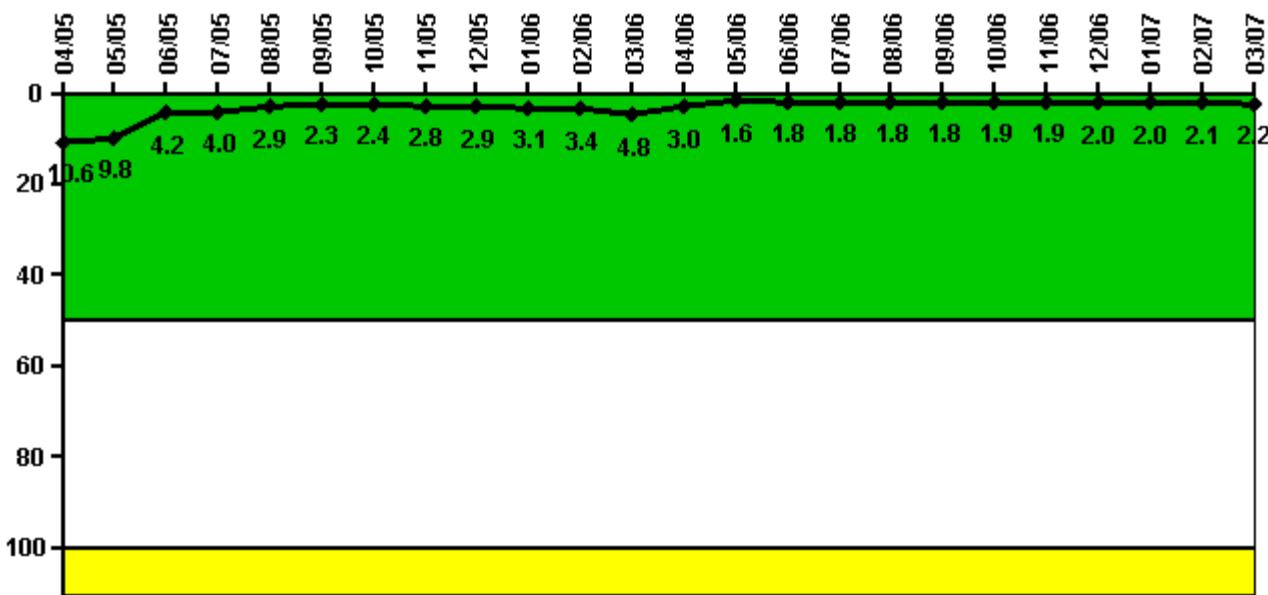
1Q/07: Changed PRA Parameter(s). Updated the Planned Unavailability baselines for non-routine planned Maint.

4Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

3Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

2Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

Reactor Coolant System Activity



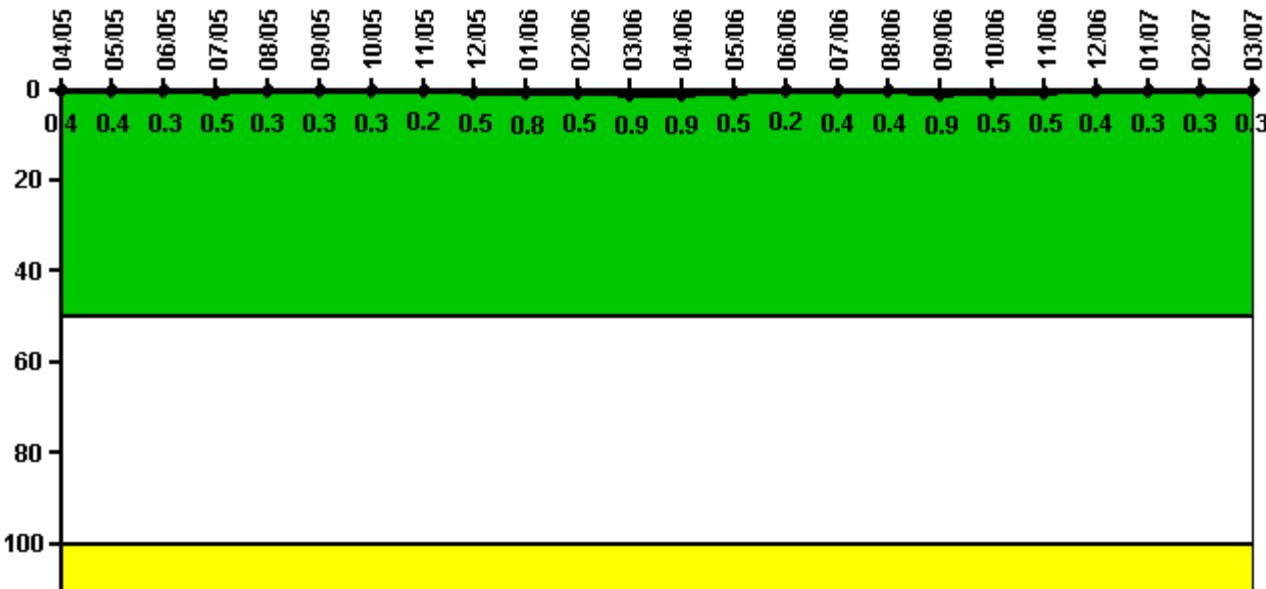
Thresholds: White > 50.0 Yellow > 100.0

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	0.037210	0.034250	0.014820	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	10.6	9.8	4.2	4.0	2.9	2.3	2.4	2.8	2.9	3.1	3.4	4.8
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	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	3.0	1.6	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2

Licensee Comments: none

Reactor Coolant System Leakage



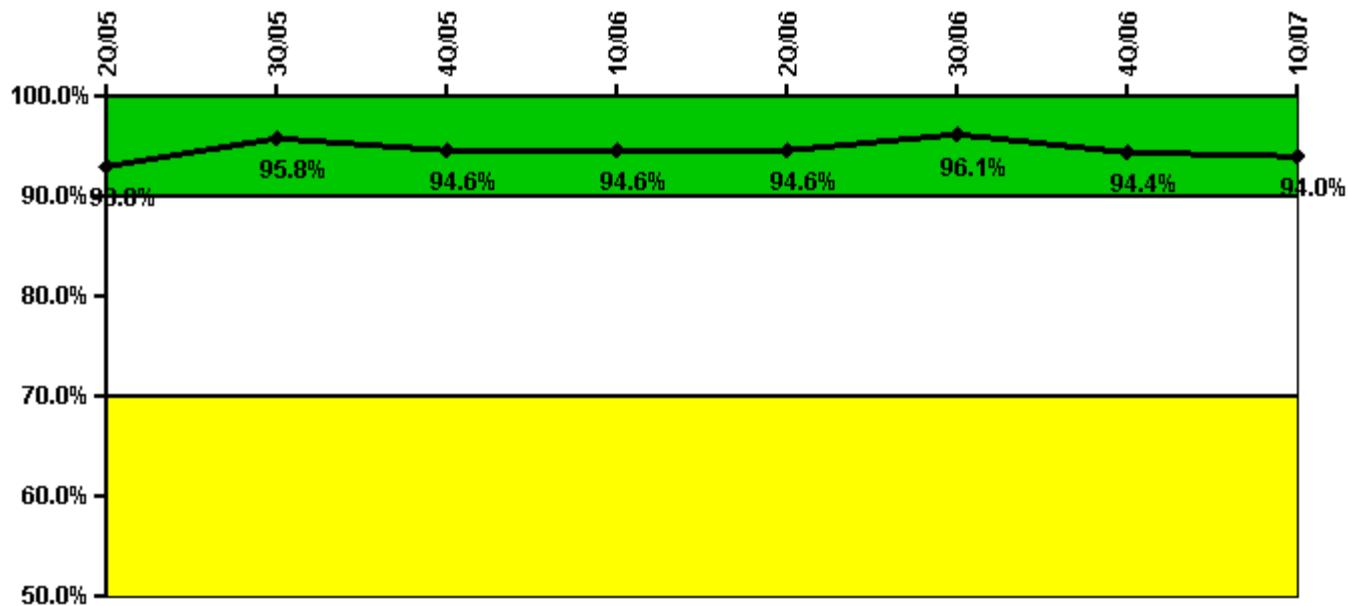
Thresholds: White > 50.0 Yellow > 100.0

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	0.040	0.040	0.030	0.050	0.030	0.030	0.030	0.020	0.050	0.080	0.050	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.2	0.5	0.8	0.5	0.9
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	0.090	0.050	0.020	0.040	0.040	0.090	0.050	0.050	0.040	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.5	0.2	0.4	0.4	0.9	0.5	0.5	0.4	0.3	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



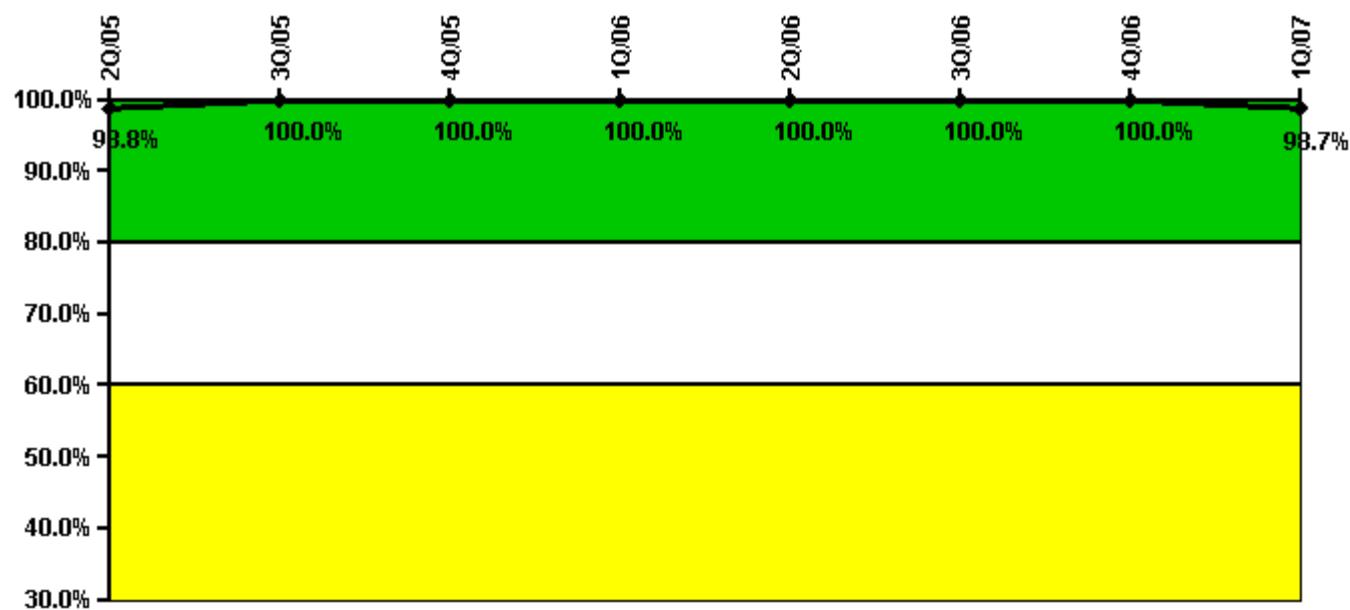
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	0	16.0	37.0	6.0	0	38.0	44.0	0
Total opportunities	0	16.0	42.0	6.0	0	38.0	48.0	0
Indicator value	93.0%	95.8%	94.6%	94.6%	94.6%	96.1%	94.4%	94.0%

Licensee Comments: none

ERO Drill Participation



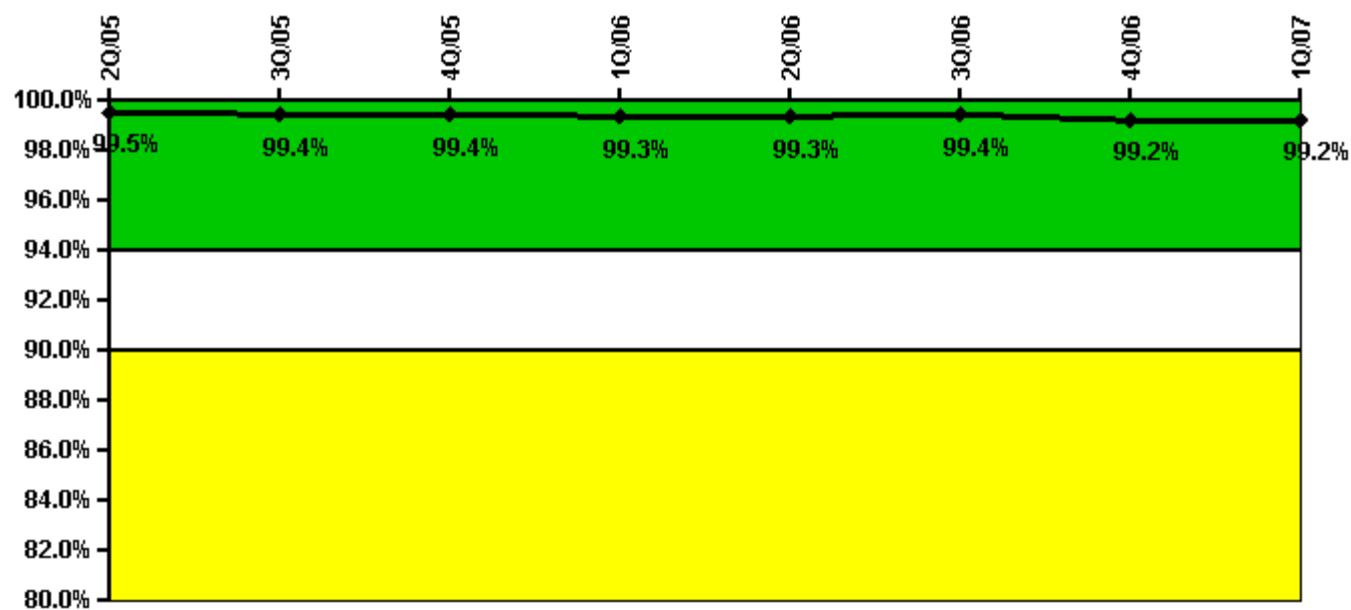
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	83.0	90.0	87.0	87.0	88.0	82.0	81.0	75.0
Total Key personnel	84.0	90.0	87.0	87.0	88.0	82.0	81.0	76.0
Indicator value	98.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%

Licensee Comments: none

Alert & Notification System



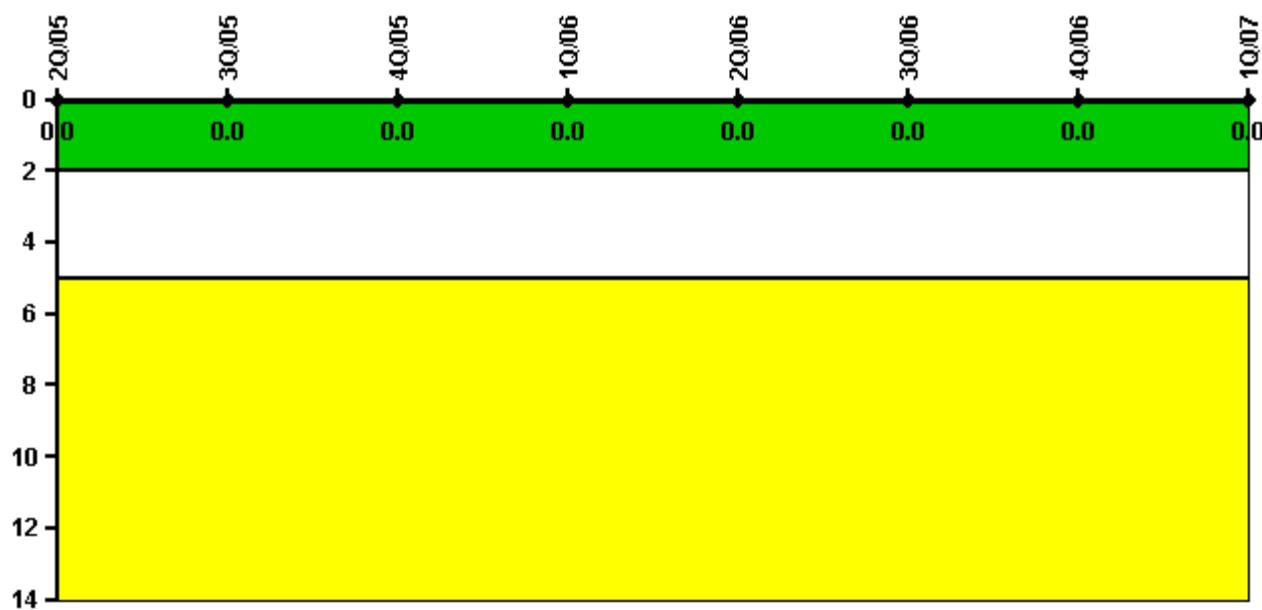
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	967	960	861	752	858	854	855	750
Total sirens-tests	972	972	864	756	864	861	864	756
Indicator value	99.5%	99.4%	99.4%	99.3%	99.3%	99.4%	99.2%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



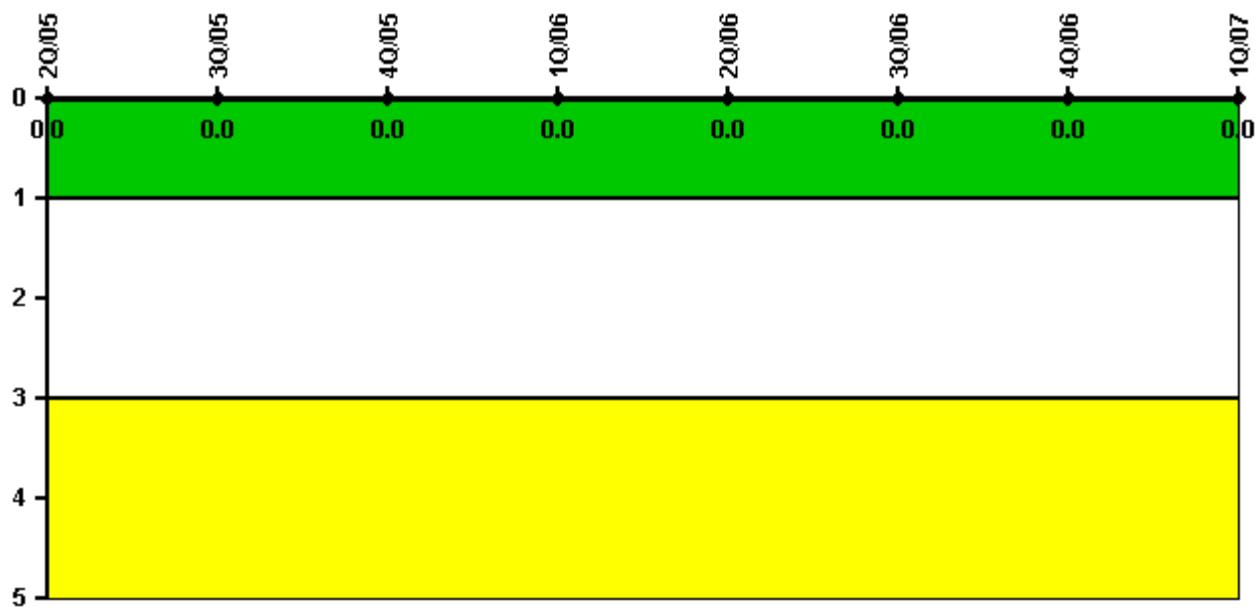
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

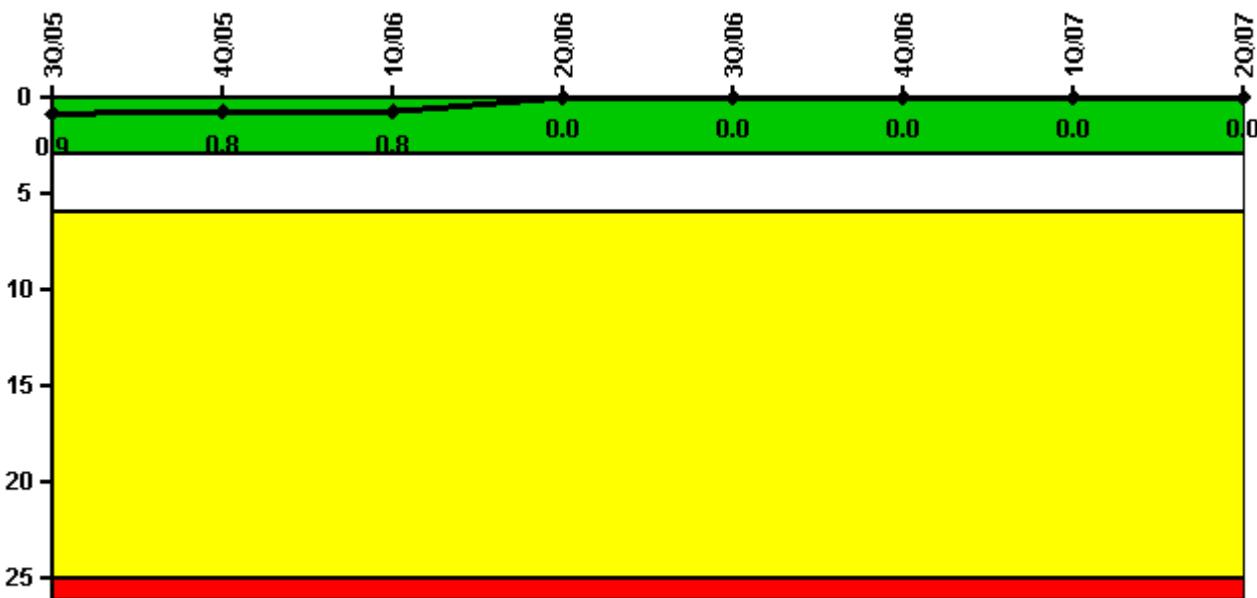
[Physical Protection](#) information not publicly available.

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2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



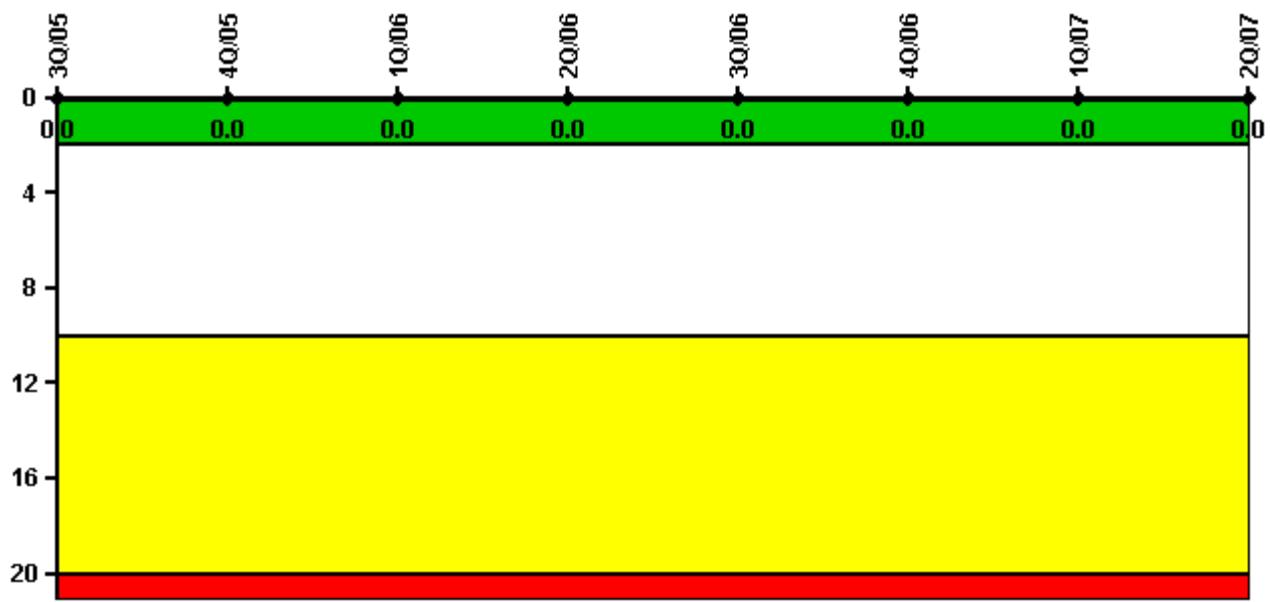
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0	2184.0
Indicator value	0.9	0.8	0.8	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



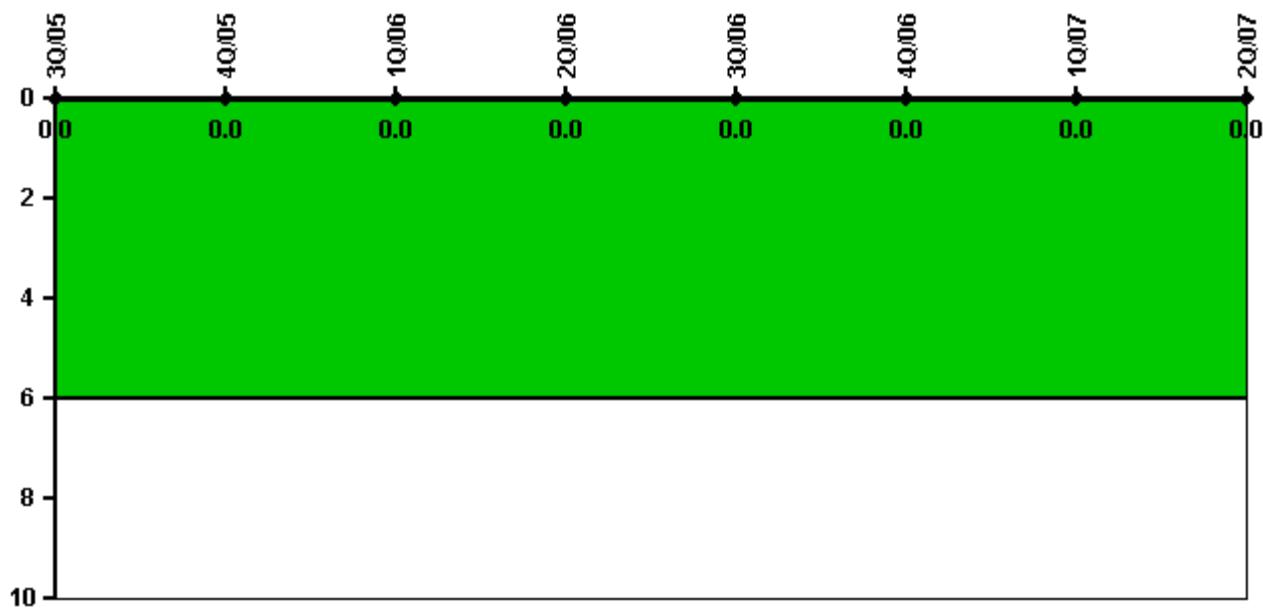
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



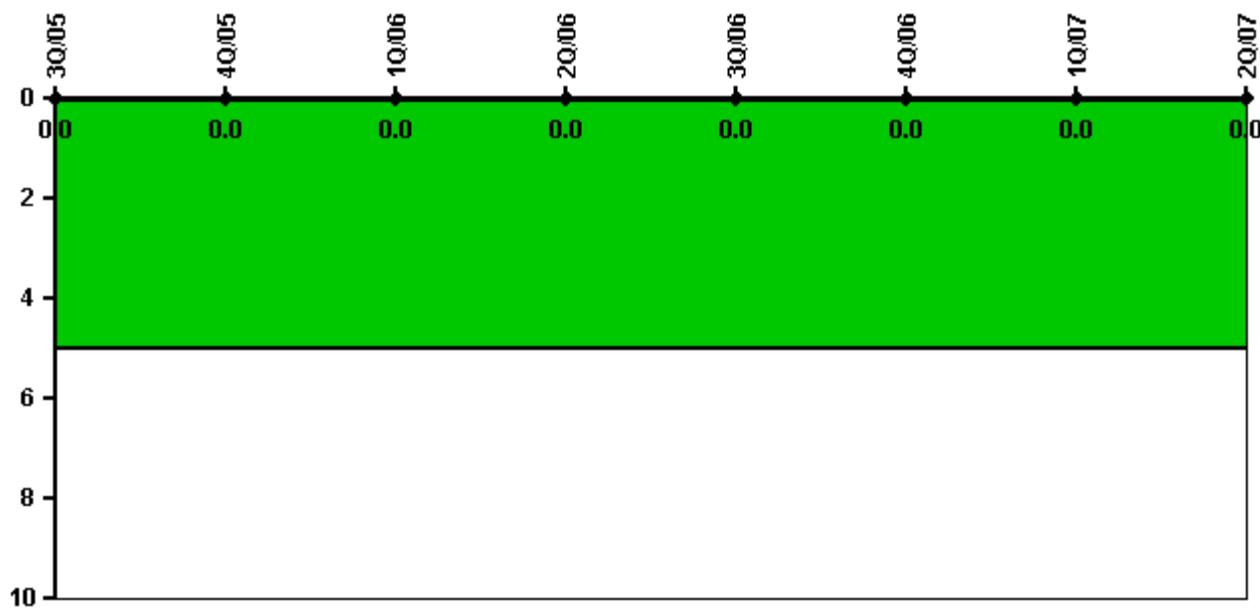
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Safety System Functional Failures (PWR)



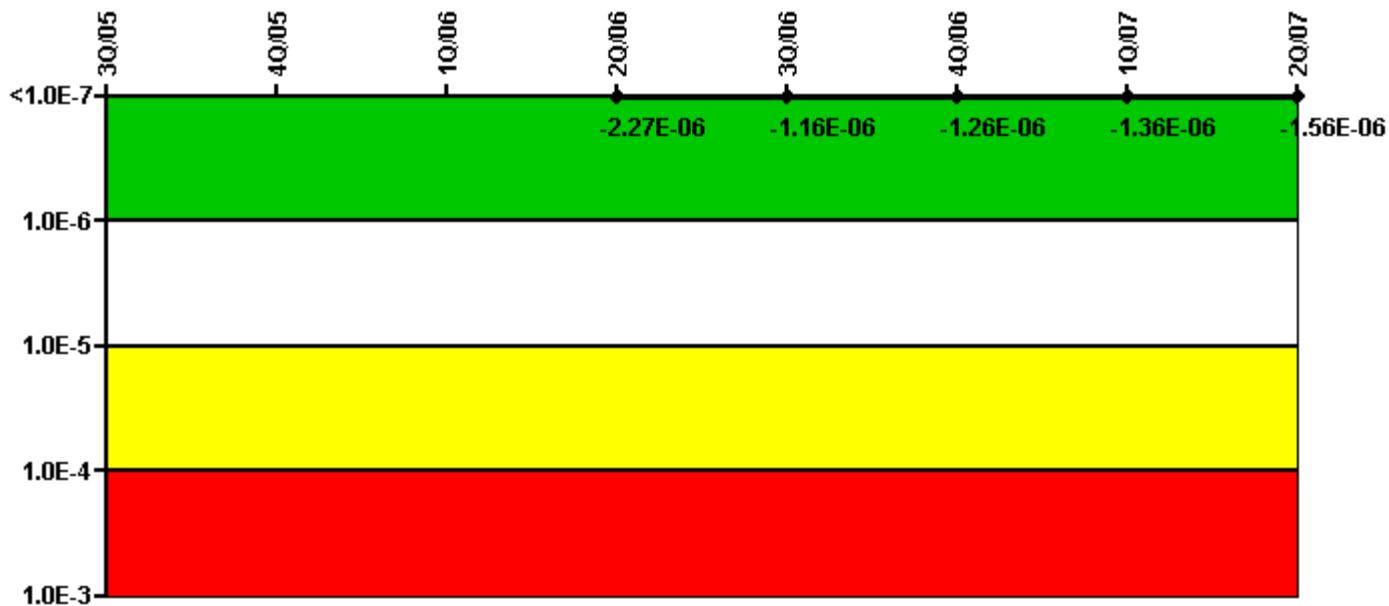
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



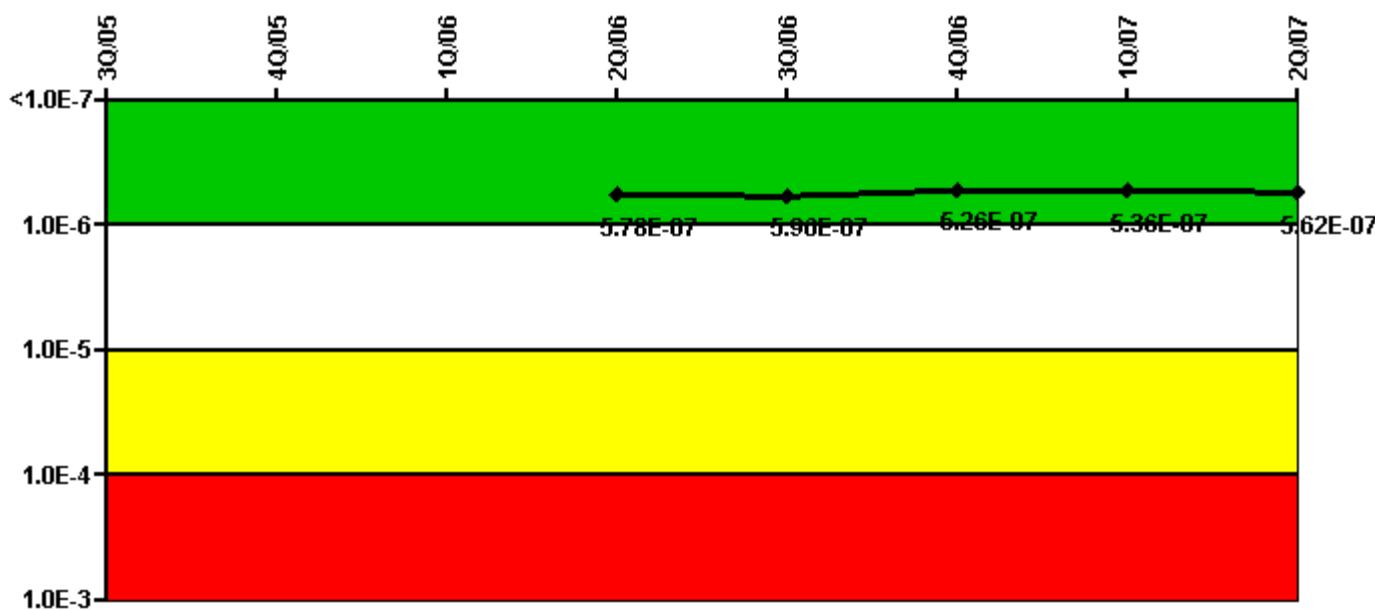
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				1.30E-07	1.40E-07	1.40E-07	1.40E-07	1.40E-07
URI (Δ CDF)				-2.40E-06	-1.30E-06	-1.40E-06	-1.50E-06	-1.70E-06
PLE				NO	NO	NO	NO	NO
Indicator value				-2.27E-06	-1.16E-06	-1.26E-06	-1.36E-06	-1.56E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



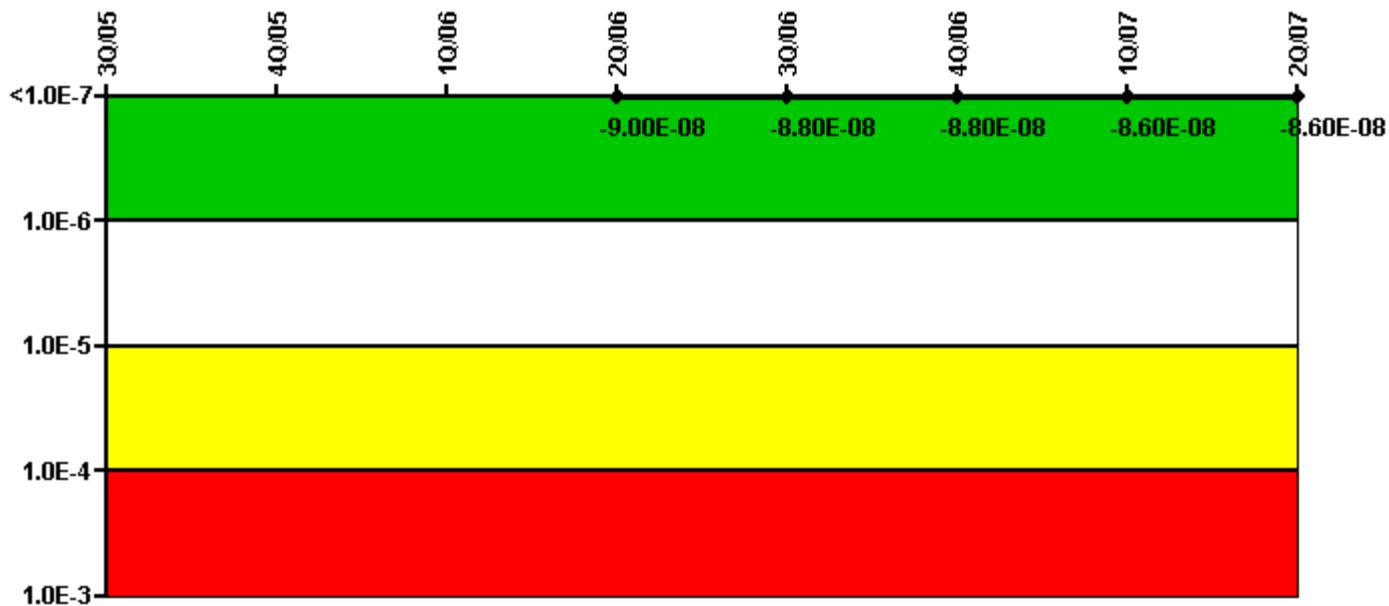
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				4.80E-08	6.60E-08	2.60E-08	3.60E-08	6.20E-08
URI (Δ CDF)				5.30E-07	5.30E-07	5.00E-07	5.00E-07	5.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				5.78E-07	5.96E-07	5.26E-07	5.36E-07	5.62E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



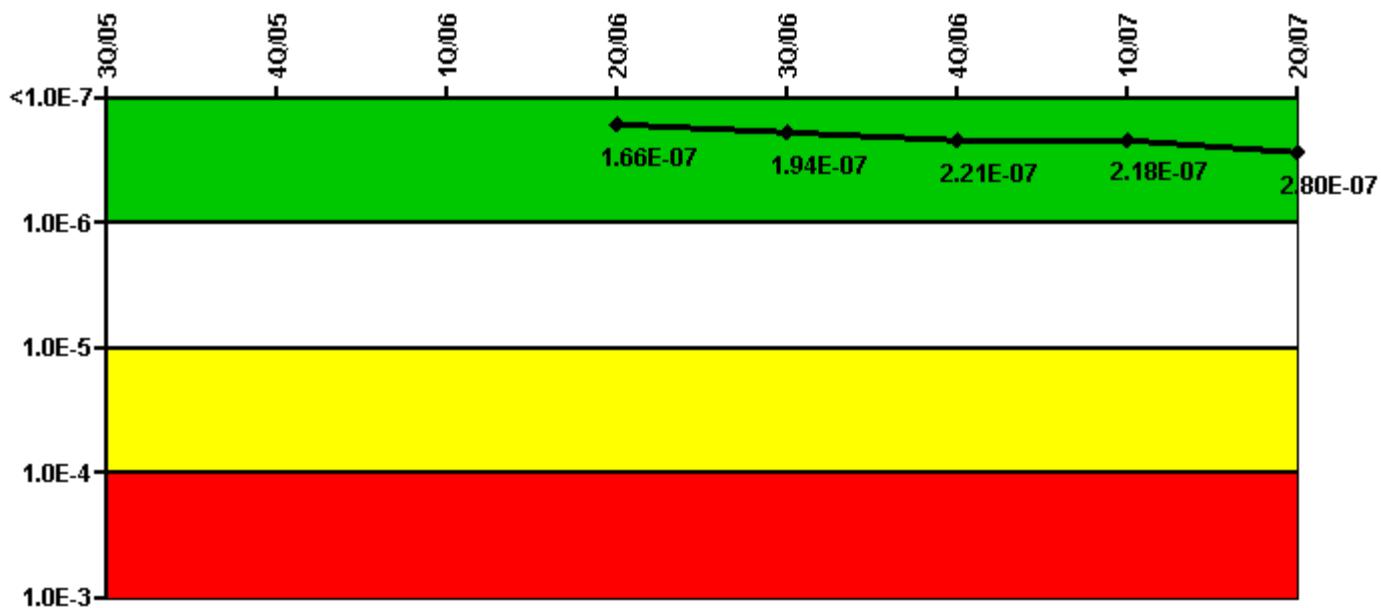
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)				-6.80E-08	-6.60E-08	-6.60E-08	-6.40E-08	-6.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-9.00E-08	-8.80E-08	-8.80E-08	-8.60E-08	-8.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



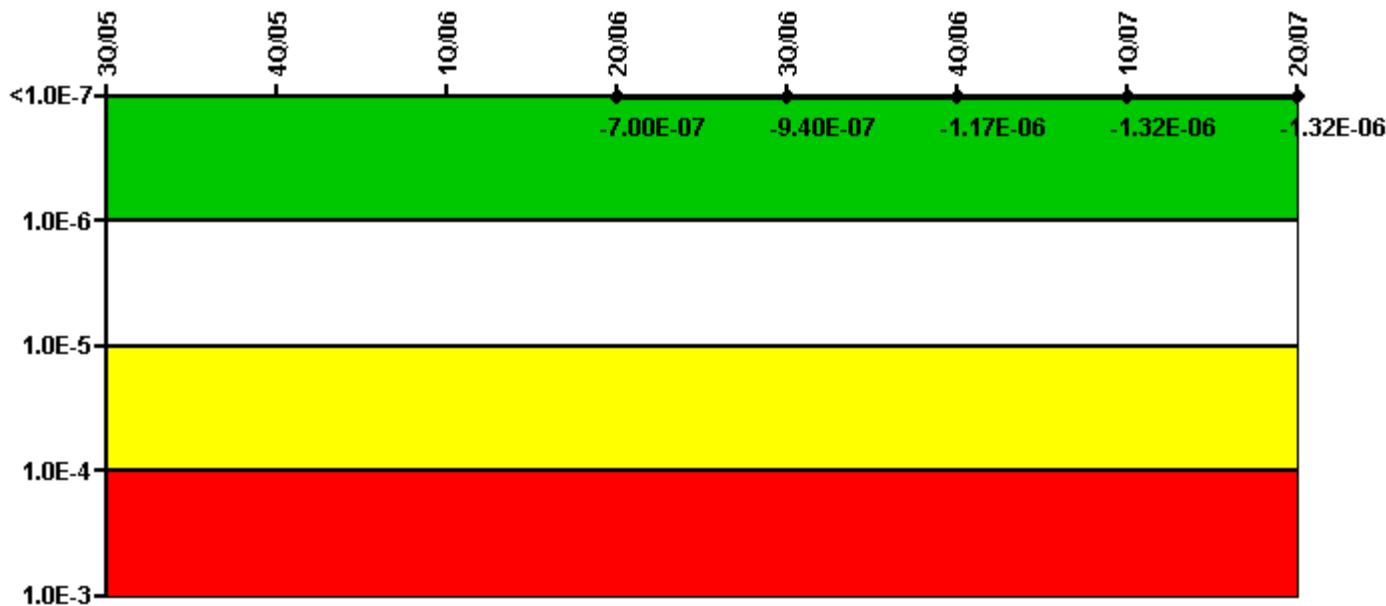
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				3.60E-08	6.40E-08	9.10E-08	8.80E-08	1.50E-07
URI (Δ CDF)				1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				1.66E-07	1.94E-07	2.21E-07	2.18E-07	2.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

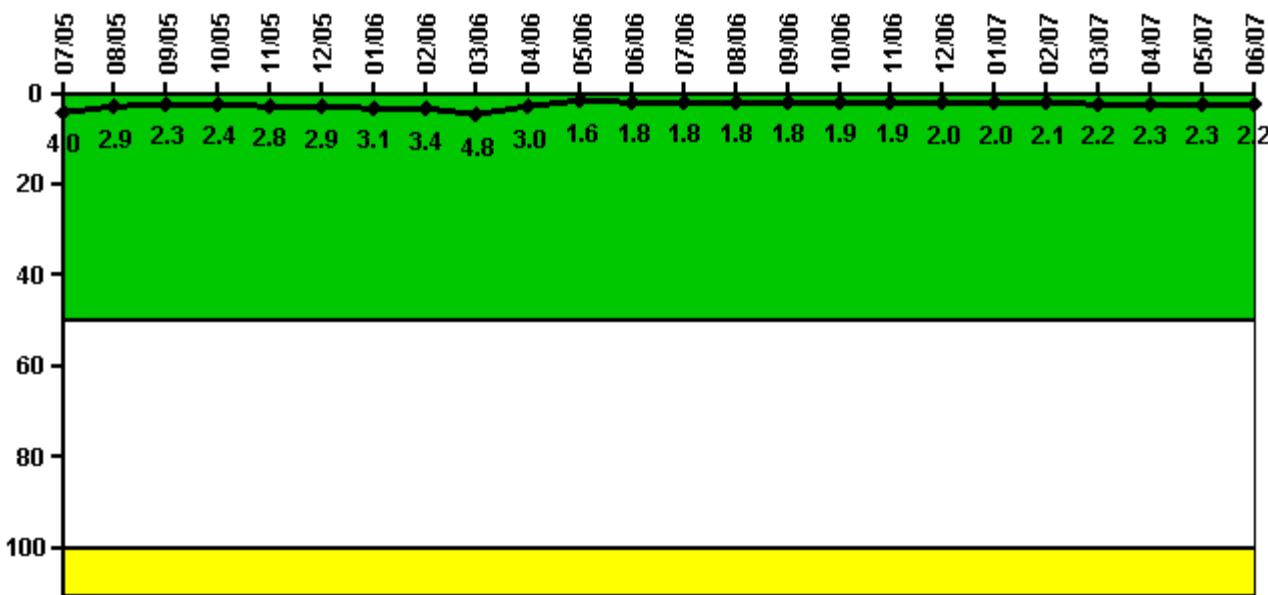
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-4.80E-07	-7.20E-07	-9.50E-07	-1.10E-06	-1.10E-06
URI (Δ CDF)				-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-7.00E-07	-9.40E-07	-1.17E-06	-1.32E-06	-1.32E-06

Licensee Comments:

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

Reactor Coolant System Activity



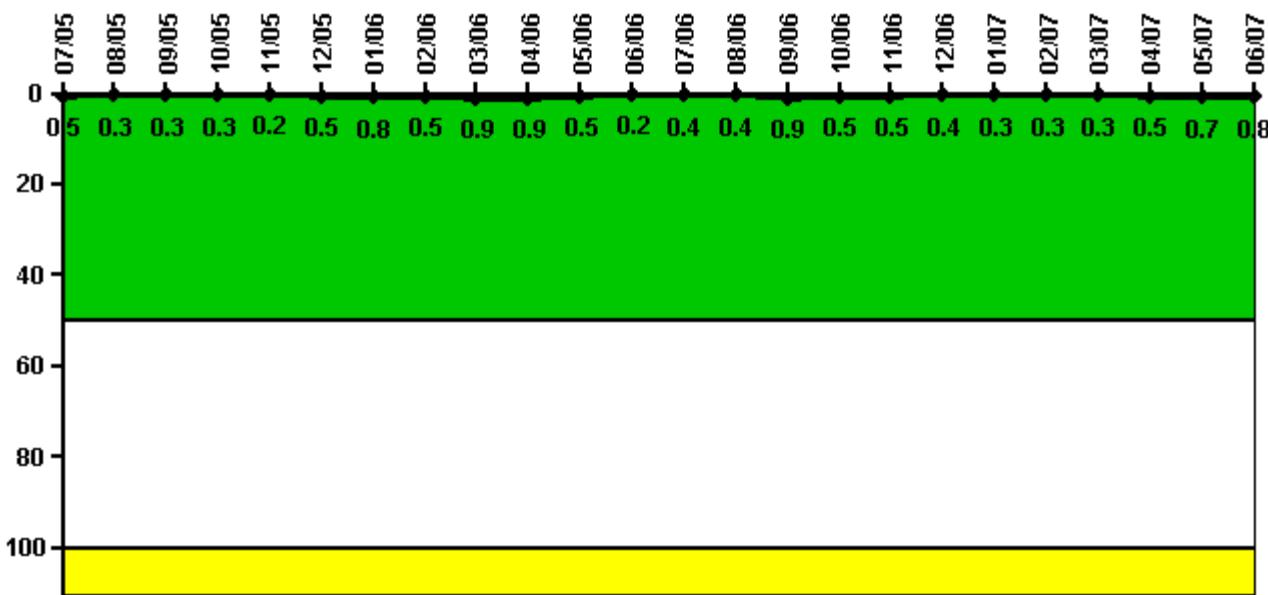
Thresholds: White > 50.0 Yellow > 100.0

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	0.013970	0.010010	0.008137	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	4.0	2.9	2.3	2.4	2.8	2.9	3.1	3.4	4.8	3.0	1.6	1.8
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	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.2

Licensee Comments: none

Reactor Coolant System Leakage



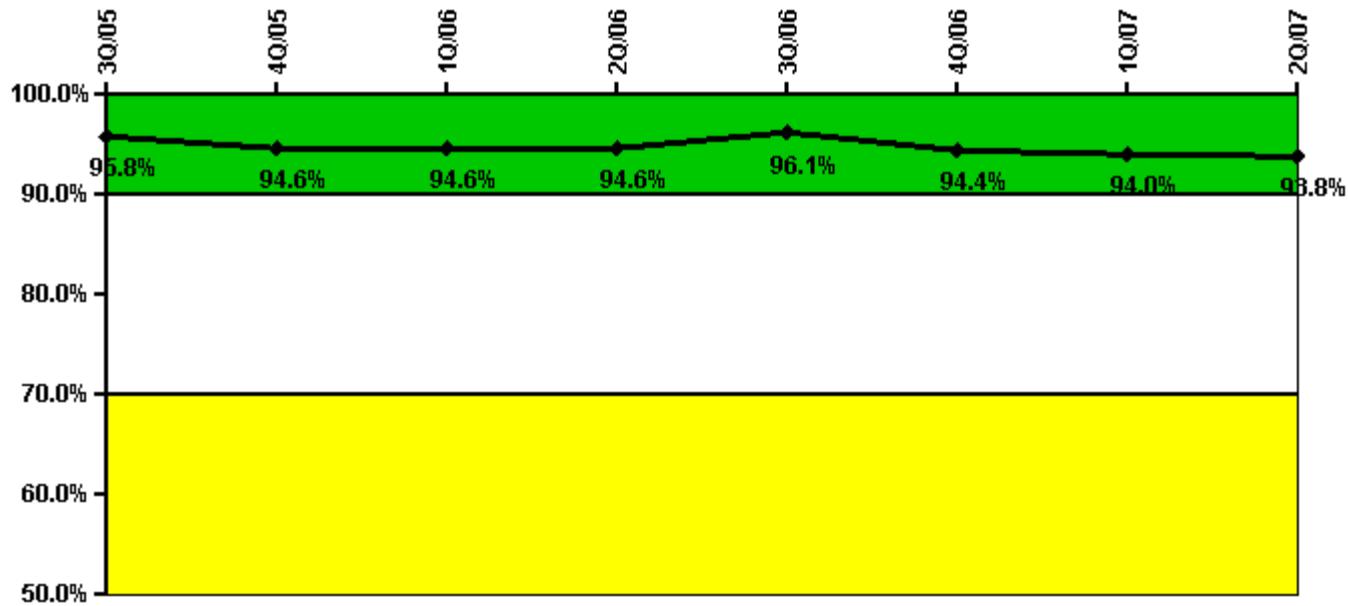
Thresholds: White > 50.0 Yellow > 100.0

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	0.050	0.030	0.030	0.030	0.020	0.050	0.080	0.050	0.090	0.090	0.050	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	0.3	0.3	0.2	0.5	0.8	0.5	0.9	0.9	0.5	0.2
Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.040	0.040	0.090	0.050	0.050	0.040	0.030	0.030	0.030	0.050	0.070	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.9	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.7	0.8

Licensee Comments: none

Drill/Exercise Performance



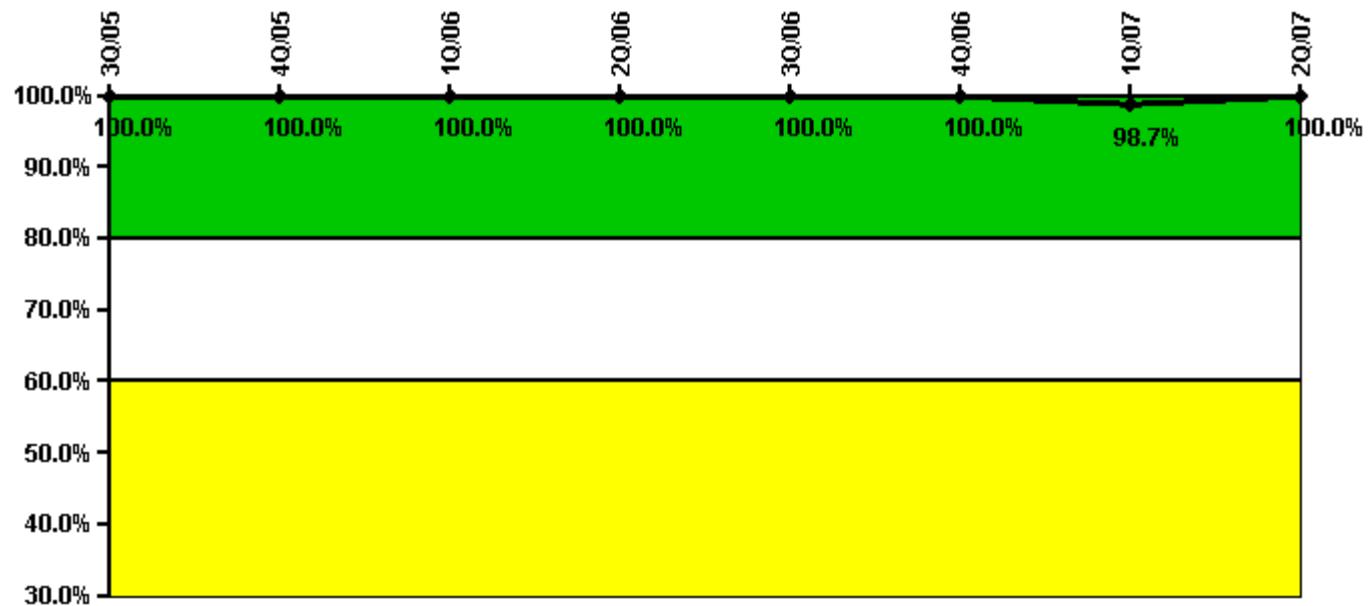
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	16.0	37.0	6.0	0	38.0	44.0	0	24.0
Total opportunities	16.0	42.0	6.0	0	38.0	48.0	0	26.0
Indicator value	95.8%	94.6%	94.6%	94.6%	96.1%	94.4%	94.0%	93.8%

Licensee Comments: none

ERO Drill Participation



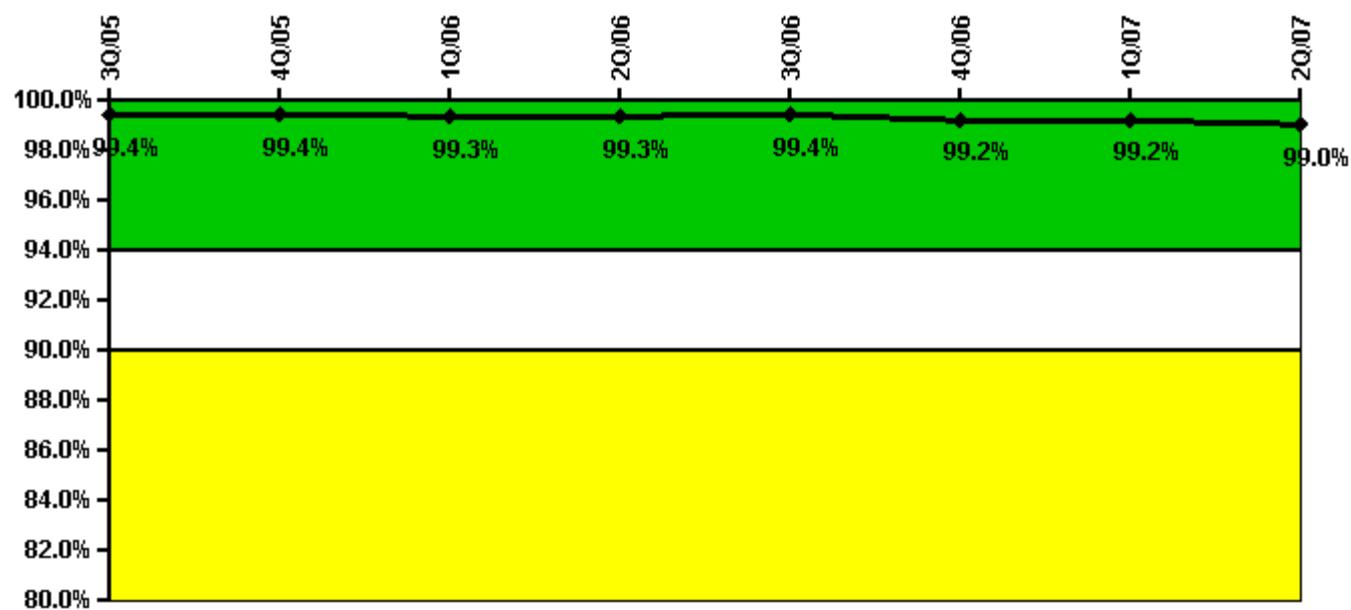
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	90.0	87.0	87.0	88.0	82.0	81.0	75.0	82.0
Total Key personnel	90.0	87.0	87.0	88.0	82.0	81.0	76.0	82.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%

Licensee Comments: none

Alert & Notification System



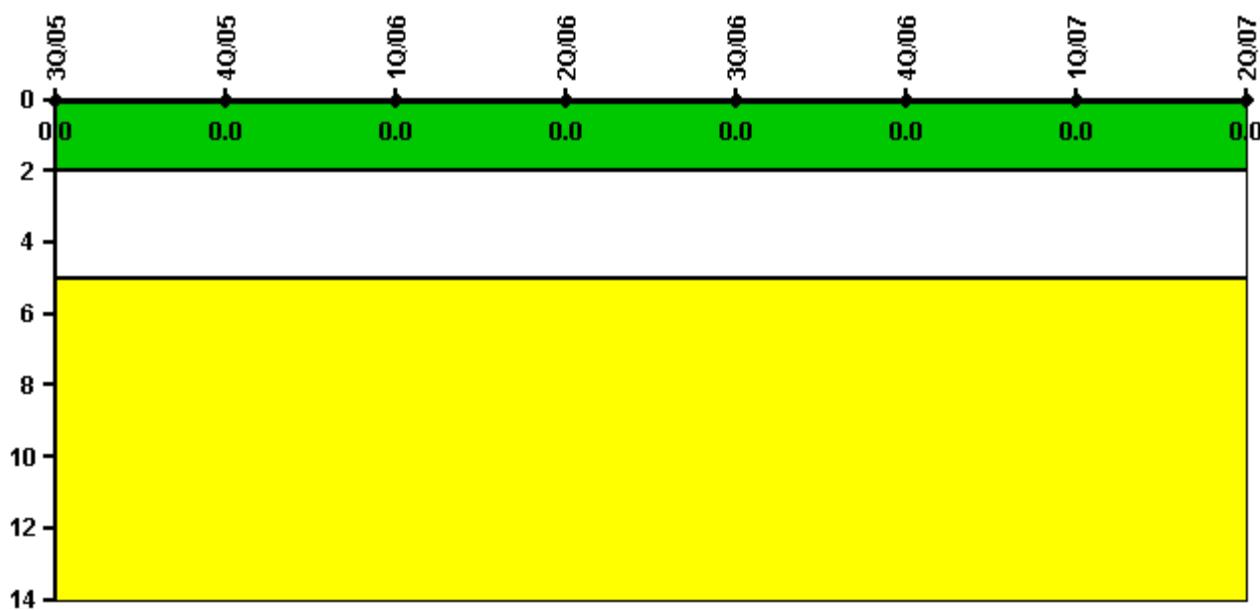
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	960	861	752	858	854	855	750	854
Total sirens-tests	972	864	756	864	861	864	756	864
Indicator value	99.4%	99.4%	99.3%	99.3%	99.4%	99.2%	99.2%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



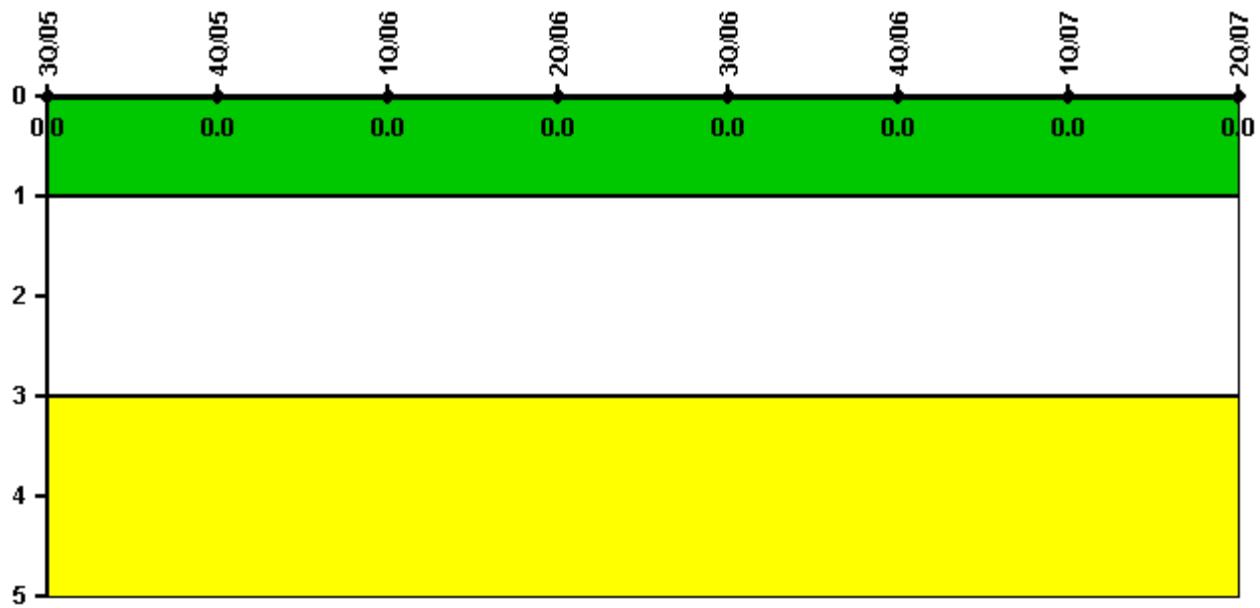
Thresholds: White > 2.0 Yellow > 5.0

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



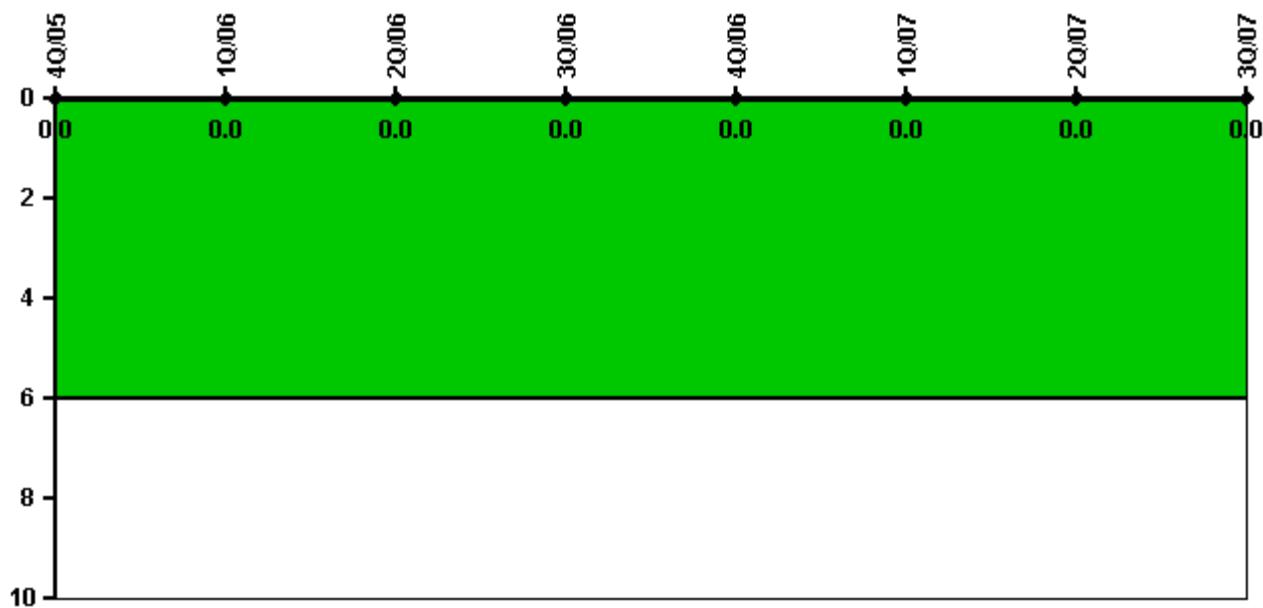
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0.8	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



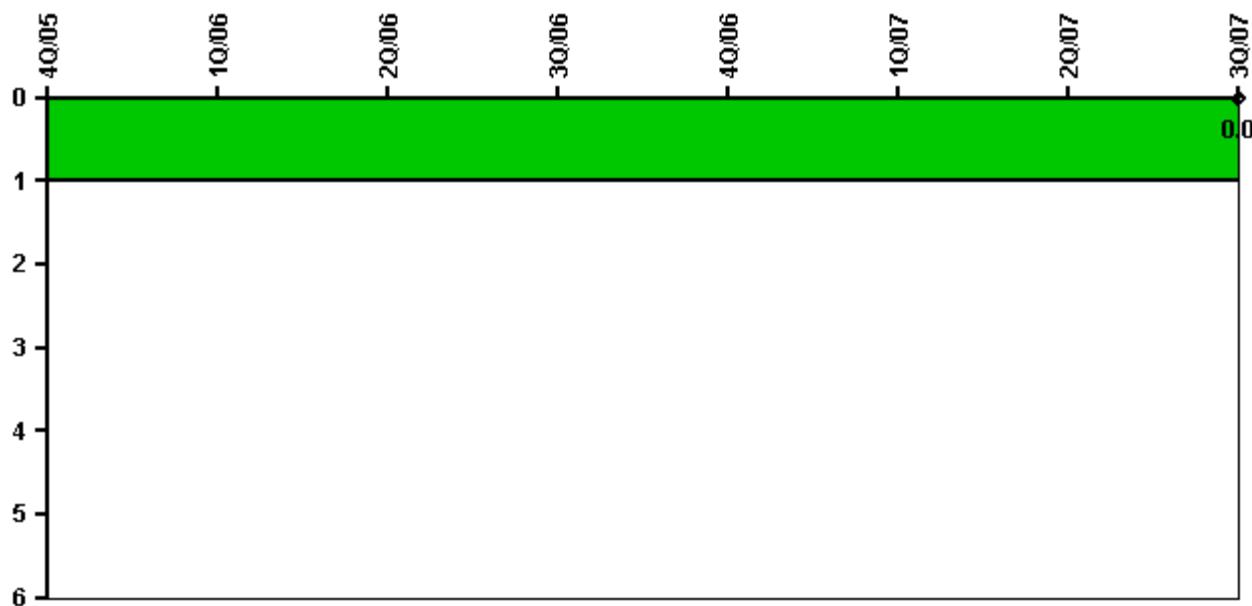
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



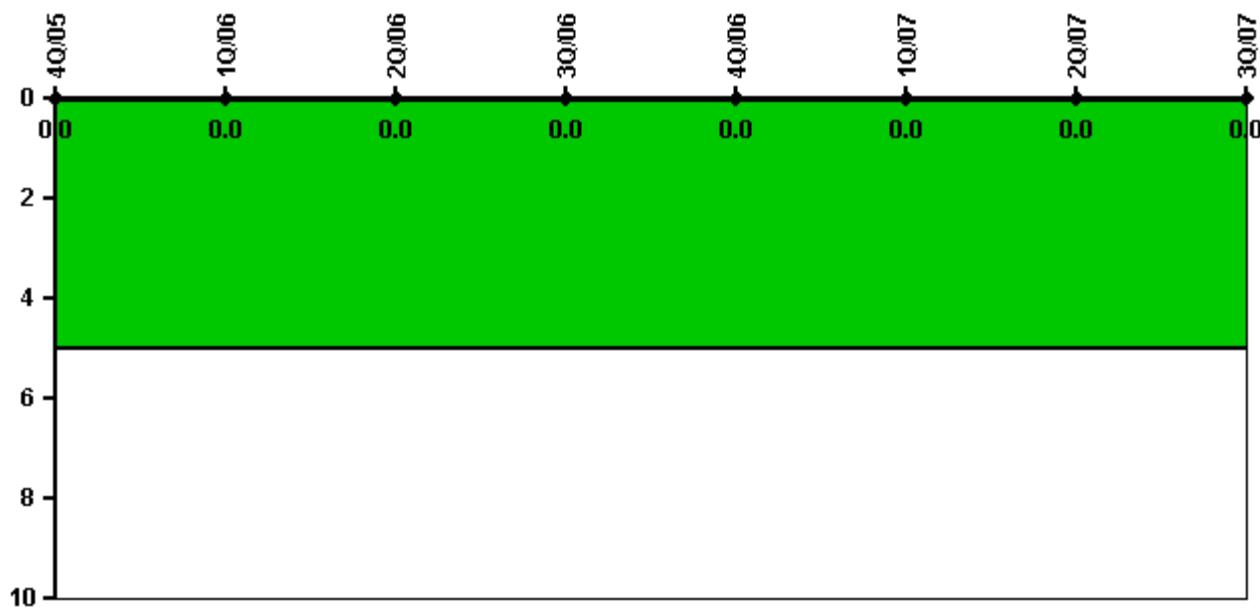
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



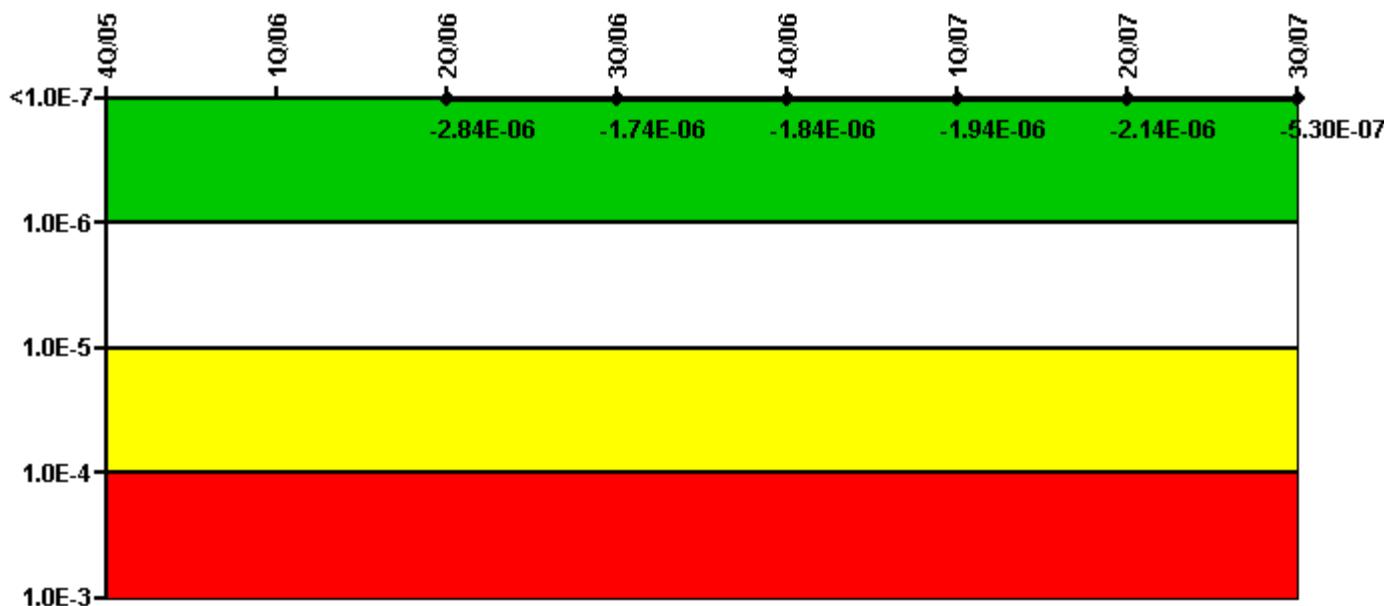
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)				-4.40E-07	-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07
URI (ΔCDF)				-2.40E-06	-1.30E-06	-1.40E-06	-1.50E-06	-1.70E-06
PLE				NO	NO	NO	NO	NO
Indicator value				-2.84E-06	-1.74E-06	-1.84E-06	-1.94E-06	-2.14E-06

Licensee Comments:

3Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

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

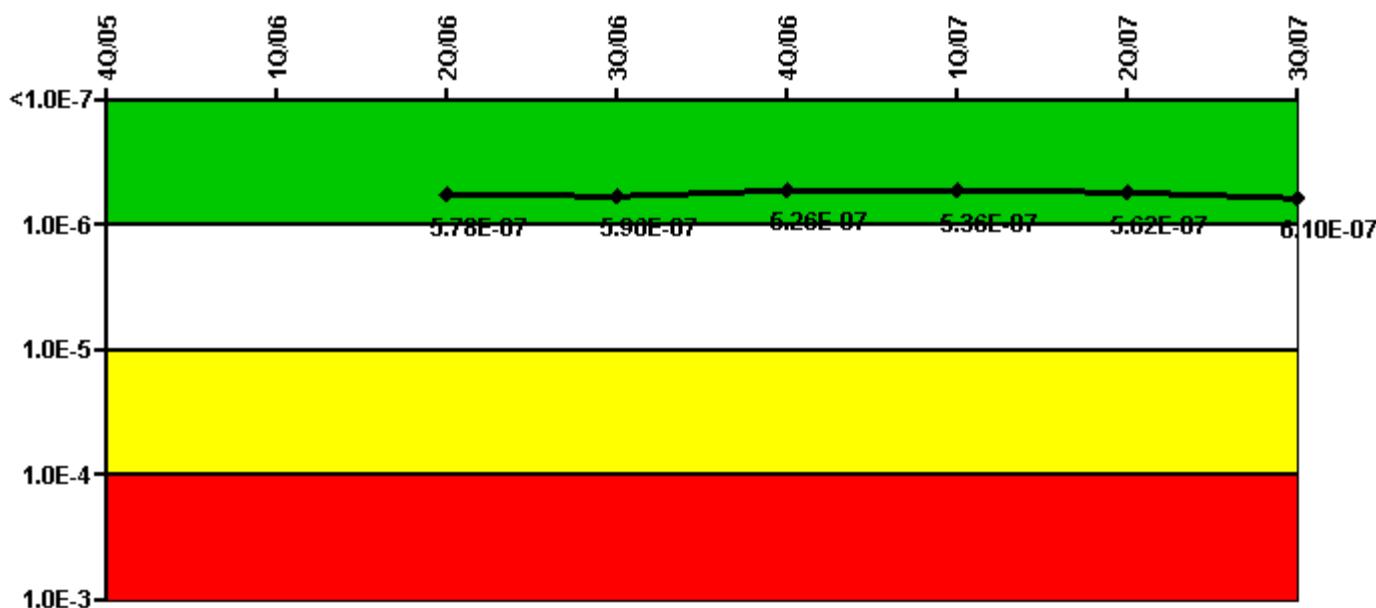
1Q/07: Changed PRA Parameter(s).

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

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

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

Mitigating Systems Performance Index, High Pressure Injection System



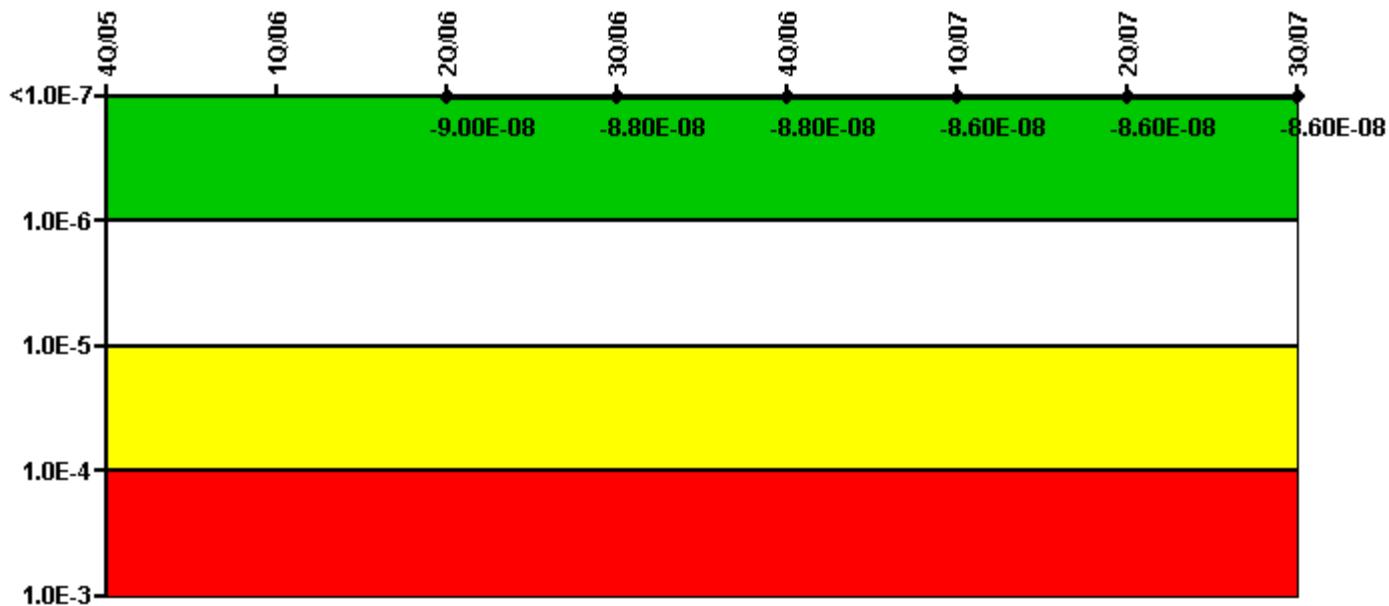
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			4.80E-08	6.60E-08	2.60E-08	3.60E-08	6.20E-08	1.10E-07
URI (ΔCDF)			5.30E-07	5.30E-07	5.00E-07	5.00E-07	5.00E-07	5.00E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			5.78E-07	5.96E-07	5.26E-07	5.36E-07	5.62E-07	6.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



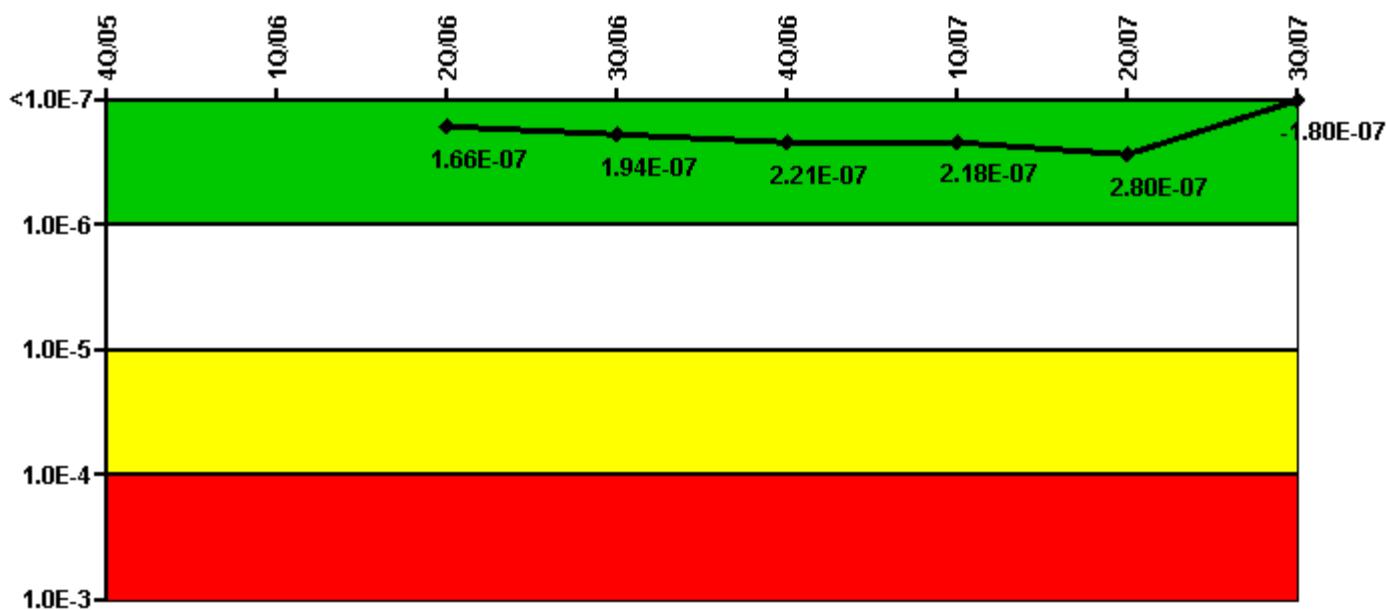
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (Δ CDF)			-6.80E-08	-6.60E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-9.00E-08	-8.80E-08	-8.80E-08	-8.60E-08	-8.60E-08	-8.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



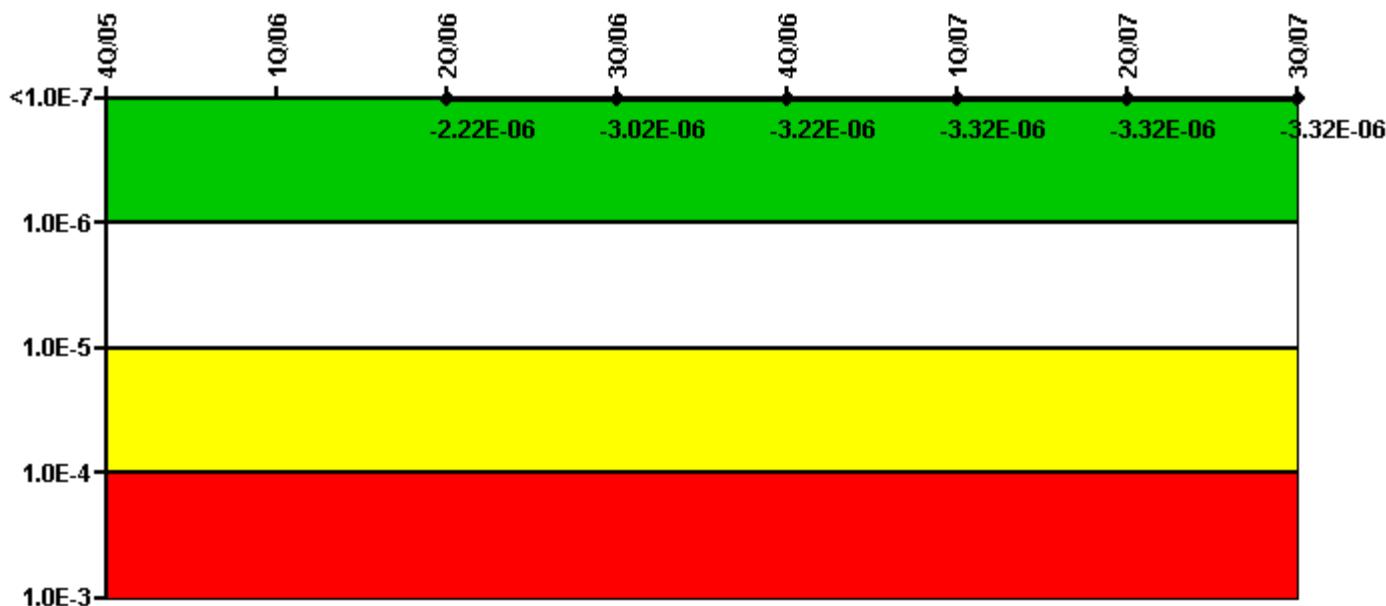
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			3.60E-08	6.40E-08	9.10E-08	8.80E-08	1.50E-07	1.90E-07
URI (Δ CDF)			1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	-3.70E-07
PLE				NO	NO	NO	NO	NO
Indicator value			1.66E-07	1.94E-07	2.21E-07	2.18E-07	2.80E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			-2.00E-06	-2.80E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.10E-06
URI (Δ CDF)			-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-2.22E-06	-3.02E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.32E-06

Licensee Comments:

3Q/07: Changed PRA Parameter(s).

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

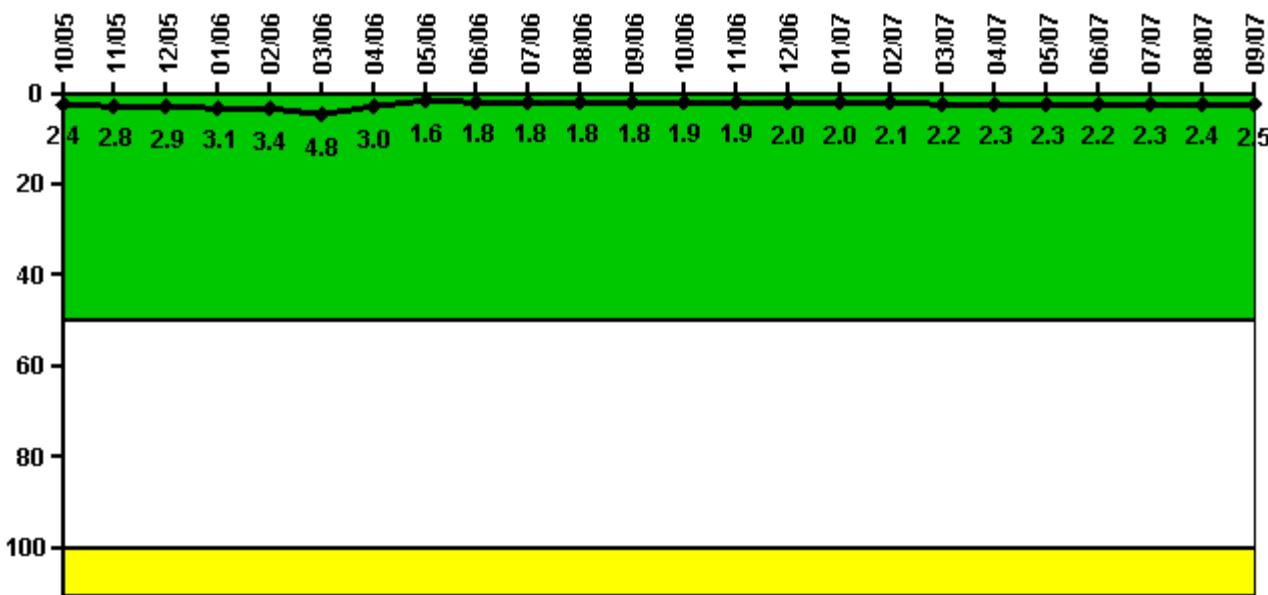
1Q/07: Changed PRA Parameter(s). Updated the Planned Unavailability baselines for non-routine planned Maint.

4Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

3Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

2Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

Reactor Coolant System Activity



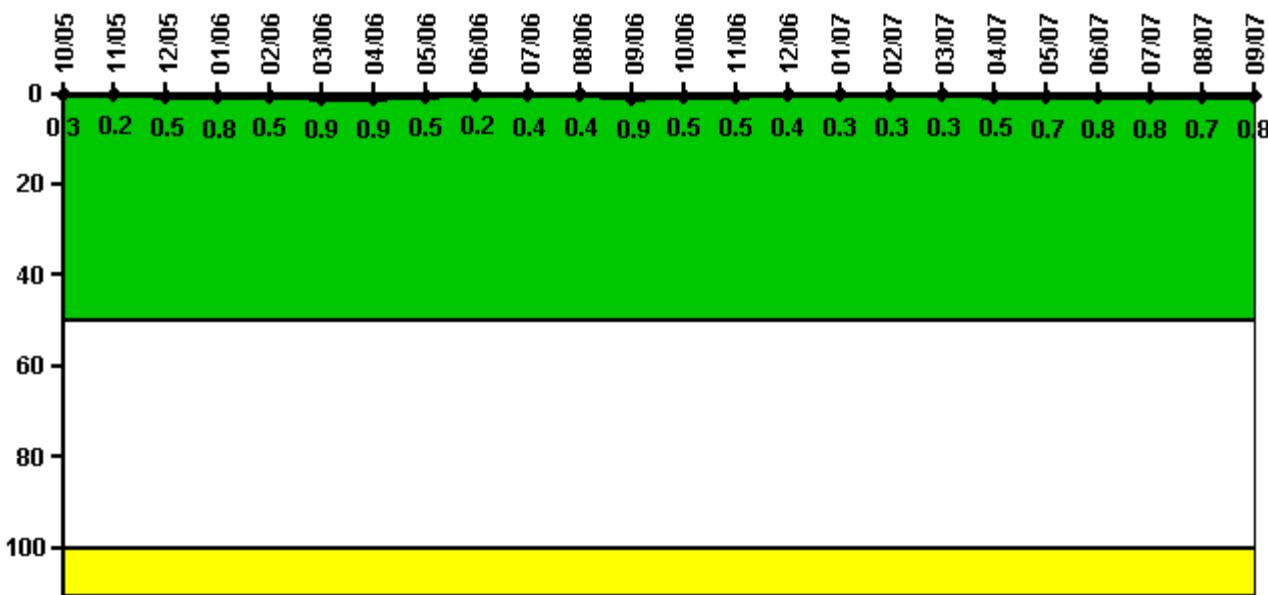
Thresholds: White > 50.0 Yellow > 100.0

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	0.008549	0.009713	0.010110	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.4	2.8	2.9	3.1	3.4	4.8	3.0	1.6	1.8	1.8	1.8	1.8
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	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.9	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.2	2.3	2.4	2.5

Licensee Comments: none

Reactor Coolant System Leakage



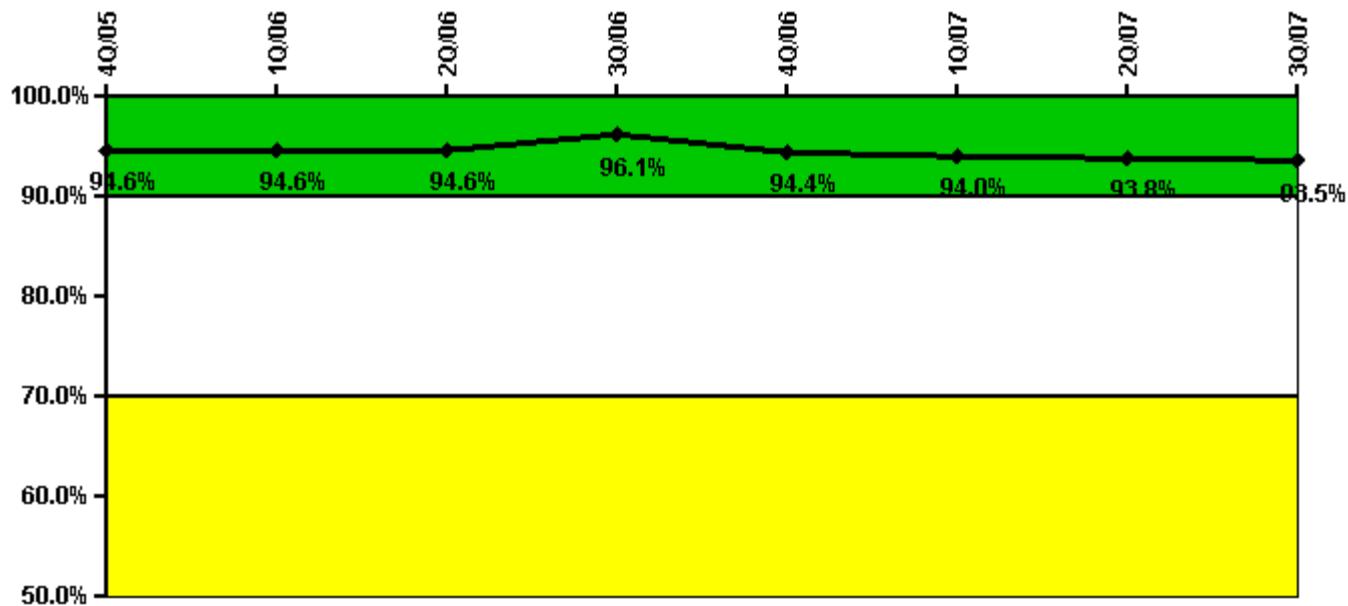
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.020	0.050	0.080	0.050	0.090	0.090	0.050	0.020	0.040	0.040	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.5	0.8	0.5	0.9	0.9	0.5	0.2	0.4	0.4	0.9
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	0.050	0.050	0.040	0.030	0.030	0.030	0.050	0.070	0.080	0.080	0.070	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.7	0.8	0.8	0.7	0.8

Licensee Comments: none

Drill/Exercise Performance



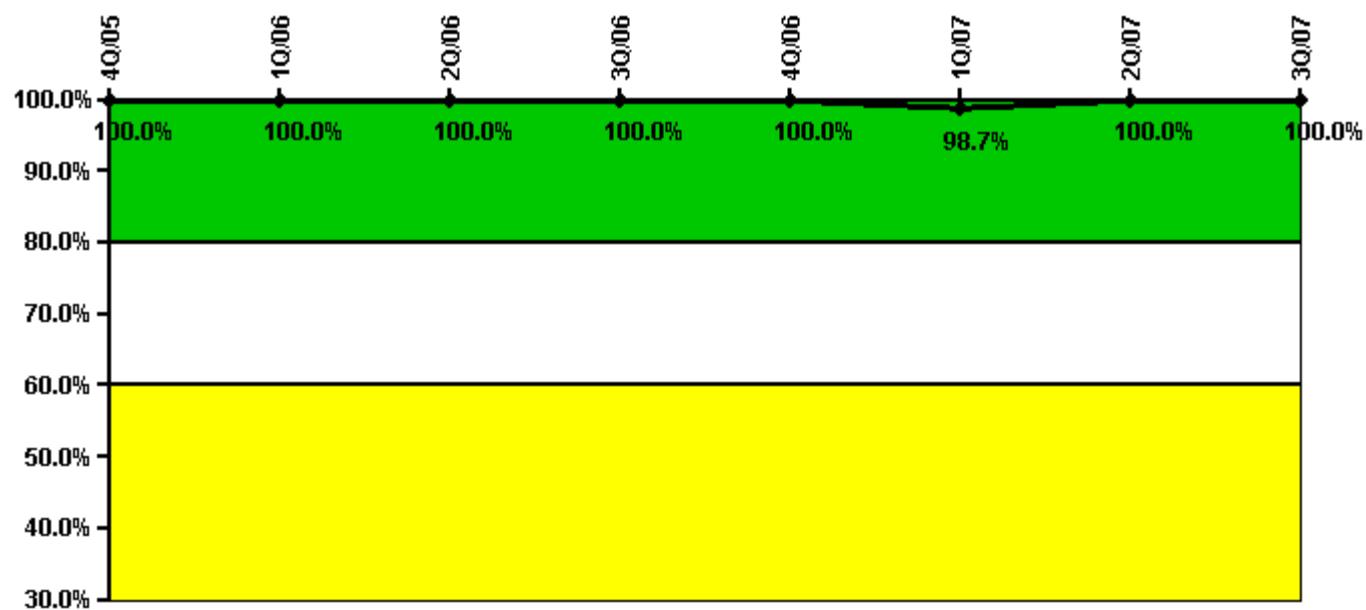
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	37.0	6.0	0	38.0	44.0	0	24.0	10.0
Total opportunities	42.0	6.0	0	38.0	48.0	0	26.0	10.0
Indicator value	94.6%	94.6%	94.6%	96.1%	94.4%	94.0%	93.8%	93.5%

Licensee Comments: none

ERO Drill Participation



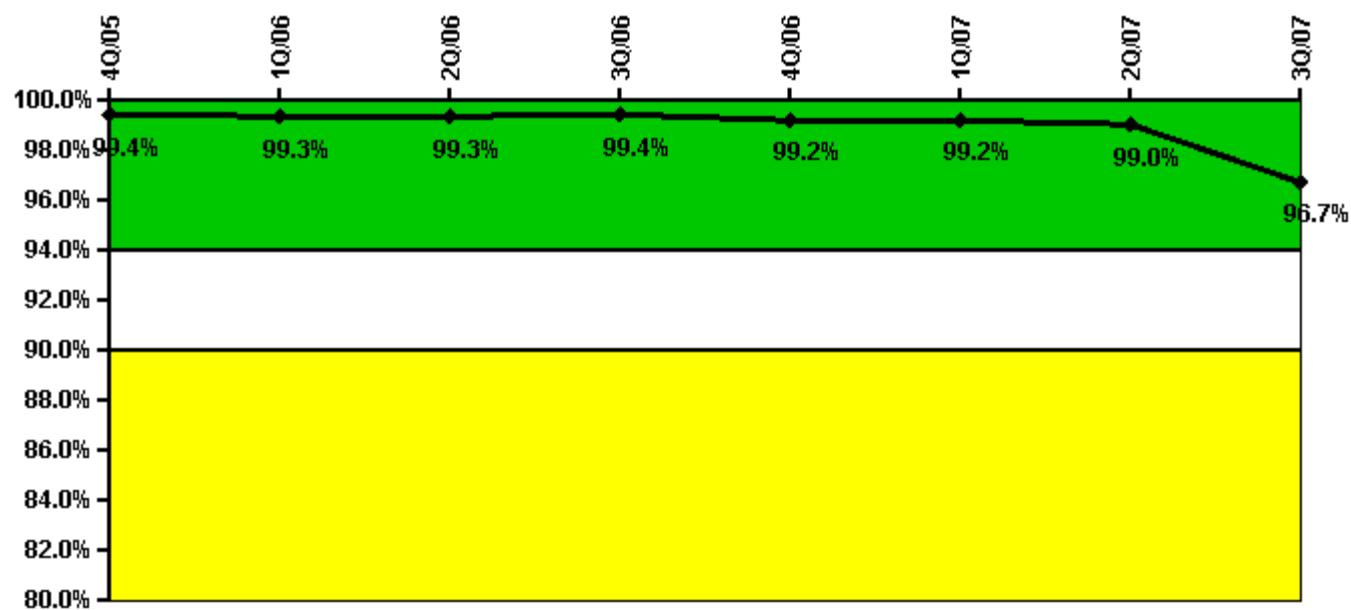
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	87.0	87.0	88.0	82.0	81.0	75.0	82.0	93.0
Total Key personnel	87.0	87.0	88.0	82.0	81.0	76.0	82.0	93.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



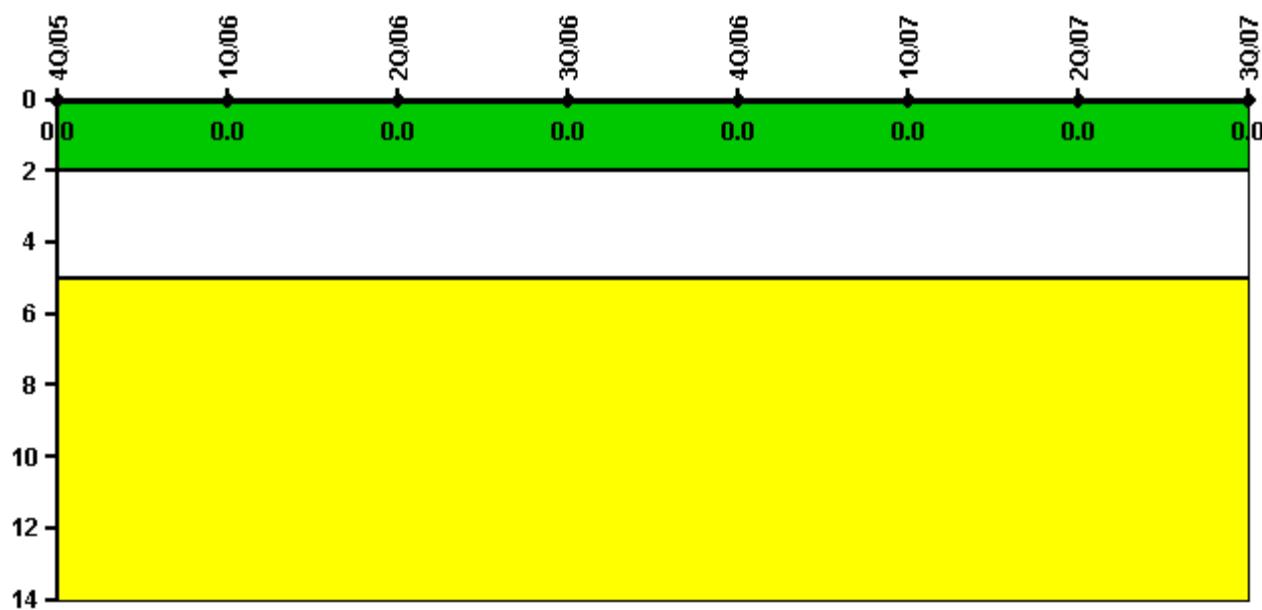
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	861	752	858	854	855	750	854	779
Total sirens-tests	864	756	864	861	864	756	864	864
Indicator value	99.4%	99.3%	99.3%	99.4%	99.2%	99.2%	99.0%	96.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



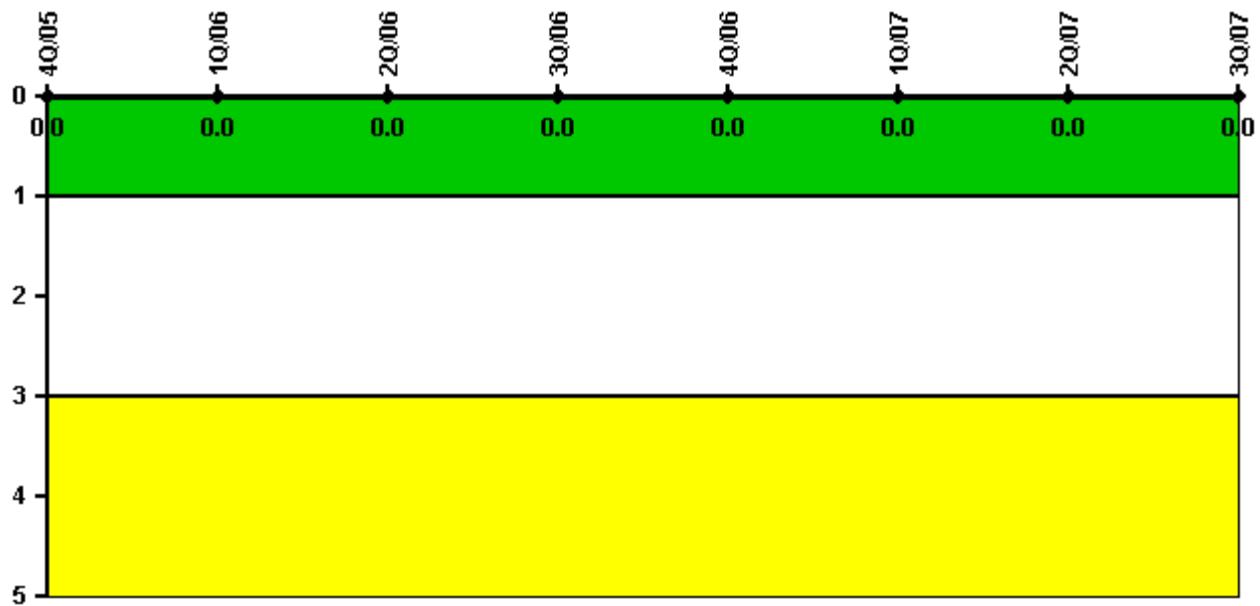
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

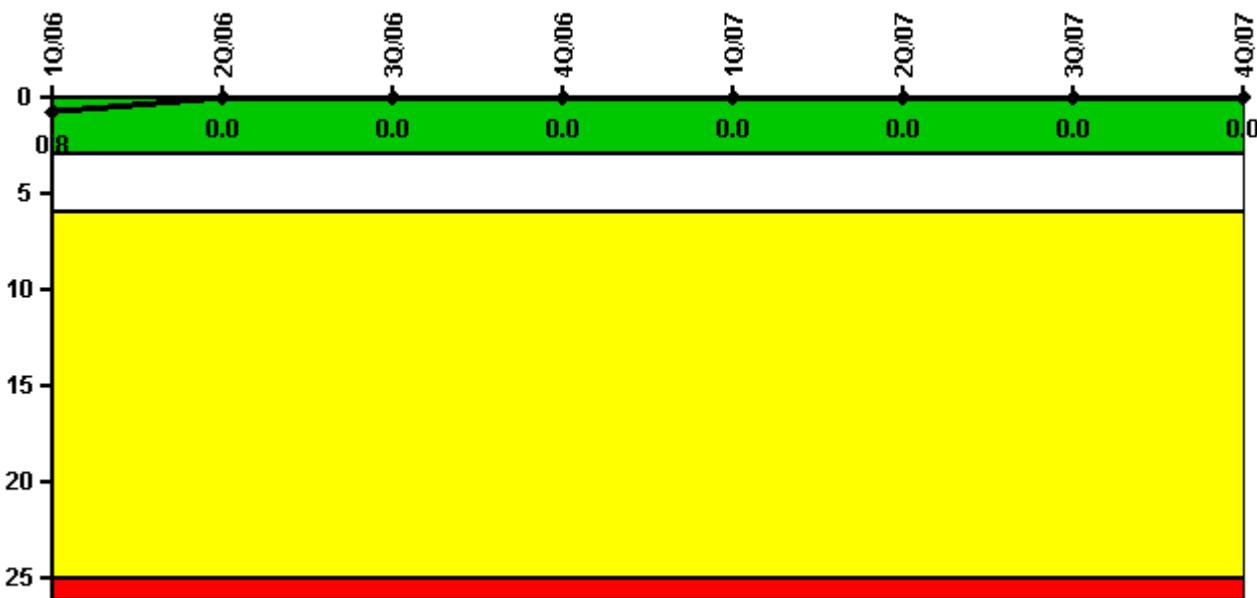
[Physical Protection](#) information not publicly available.

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4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



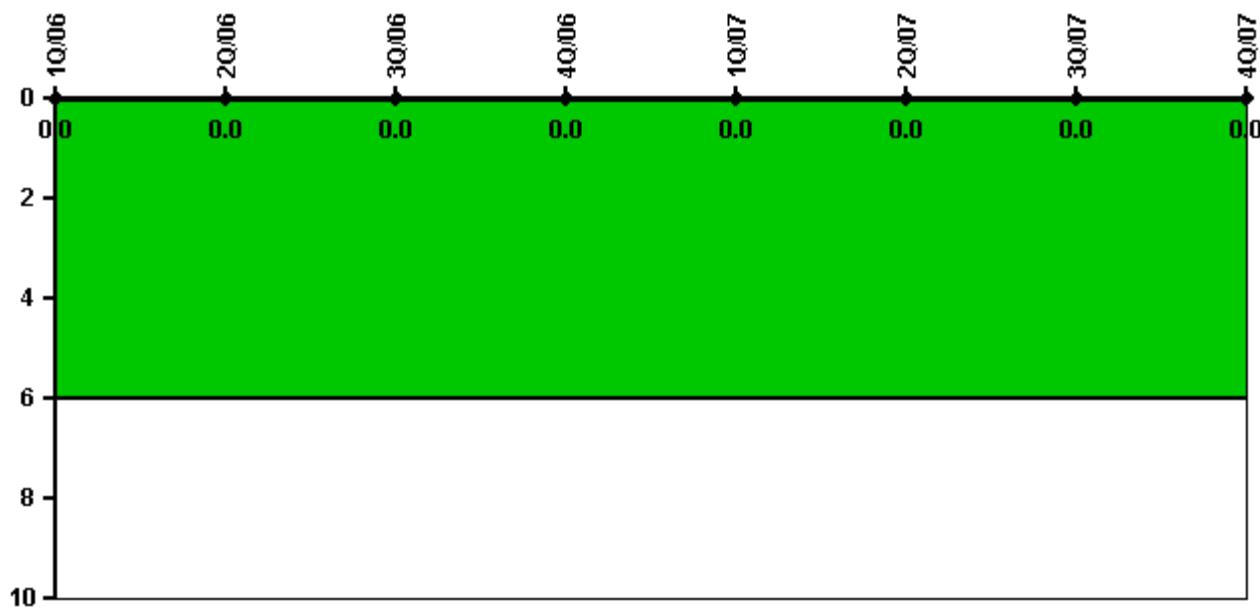
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



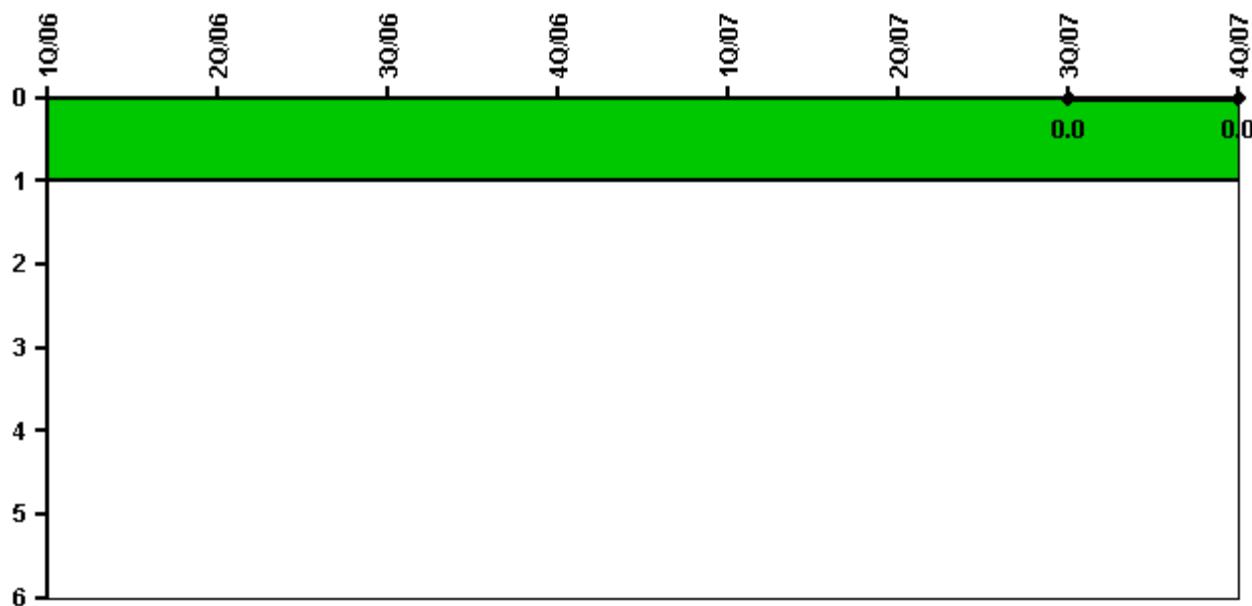
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



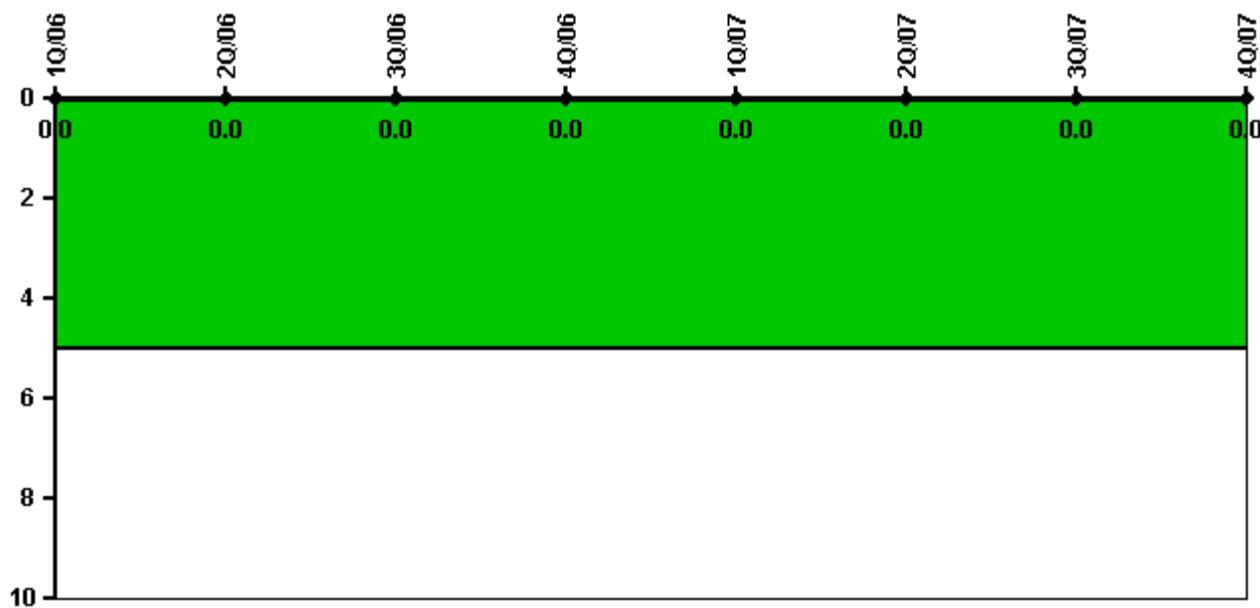
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



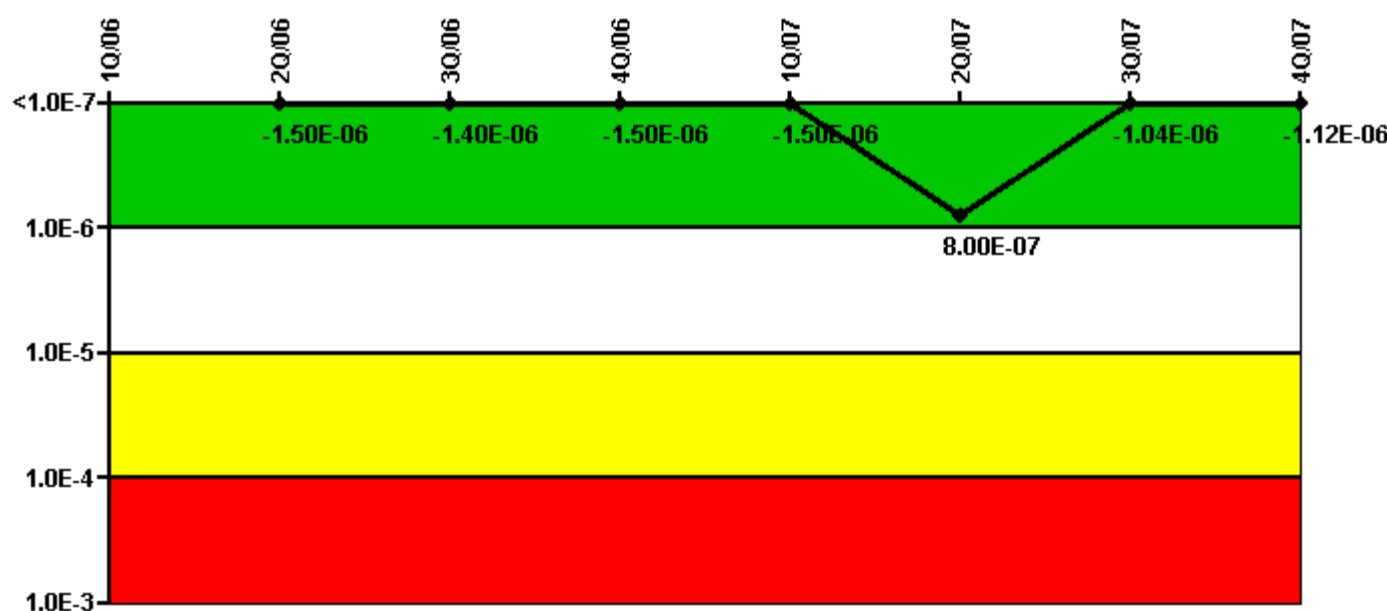
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
URI (Δ CDF)		-1.30E-06	-1.20E-06	-1.30E-06	-1.30E-06	1.00E-06	-8.40E-07	-9.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.50E-06	-1.40E-06	-1.50E-06	-1.50E-06	8.00E-07	-1.04E-06	-1.12E-06

Licensee Comments:

4Q/07: Risk Cap Invoked. Changed PRA Parameter(s). The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. Changed PRA Parameter(s). failure record 1088 updated for MSPI failure no. Failed components were outside the monitoring boundary. BPK 1/16/08

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

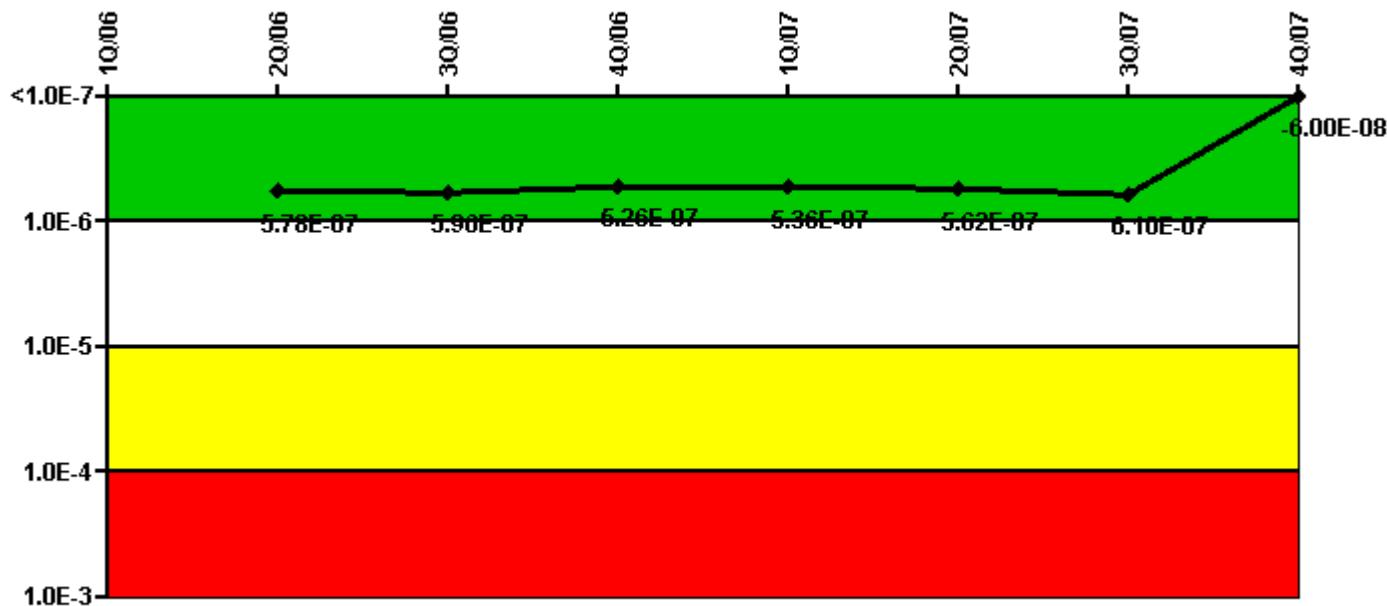
1Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

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

3Q/06: Risk Cap Invoked. Changed PRA Parameter(s). failure record 1057 updated to MSPI failure no. Failed equipment was outside the monitoring boundary. BPK 1/16/08

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

Mitigating Systems Performance Index, High Pressure Injection System



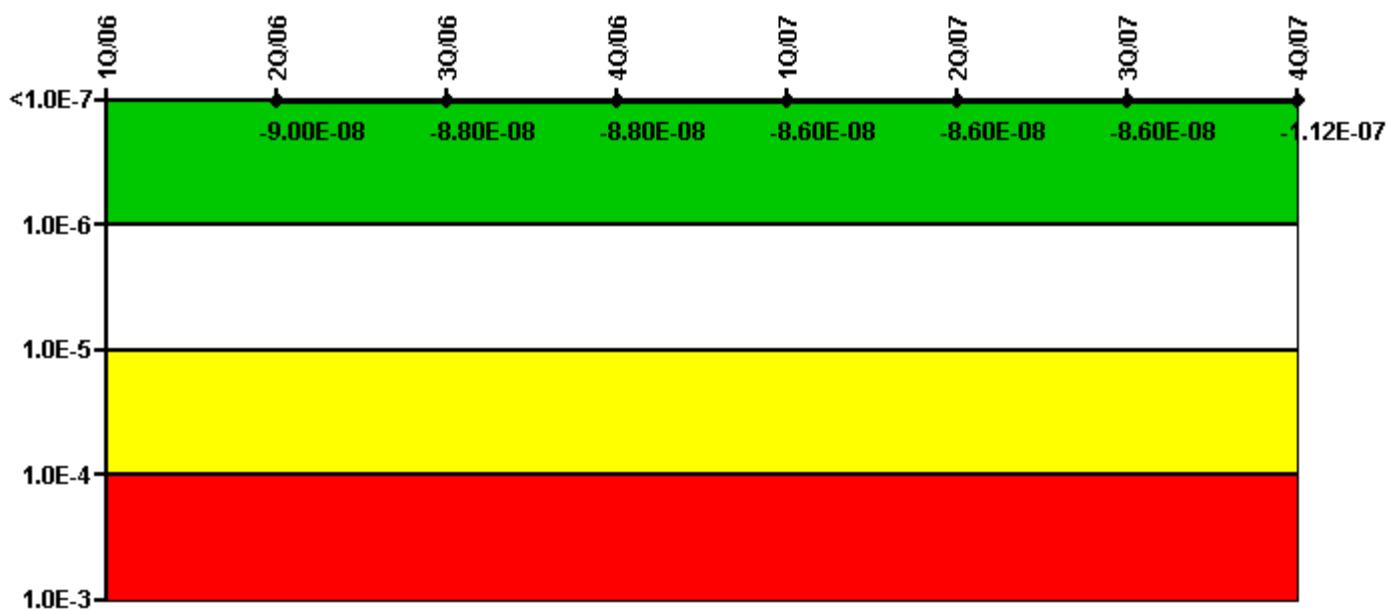
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		4.80E-08	6.60E-08	2.60E-08	3.60E-08	6.20E-08	1.10E-07	1.10E-07
URI (Δ CDF)		5.30E-07	5.30E-07	5.00E-07	5.00E-07	5.00E-07	5.00E-07	-1.70E-07
PLE		NO						
Indicator value		5.78E-07	5.96E-07	5.26E-07	5.36E-07	5.62E-07	6.10E-07	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



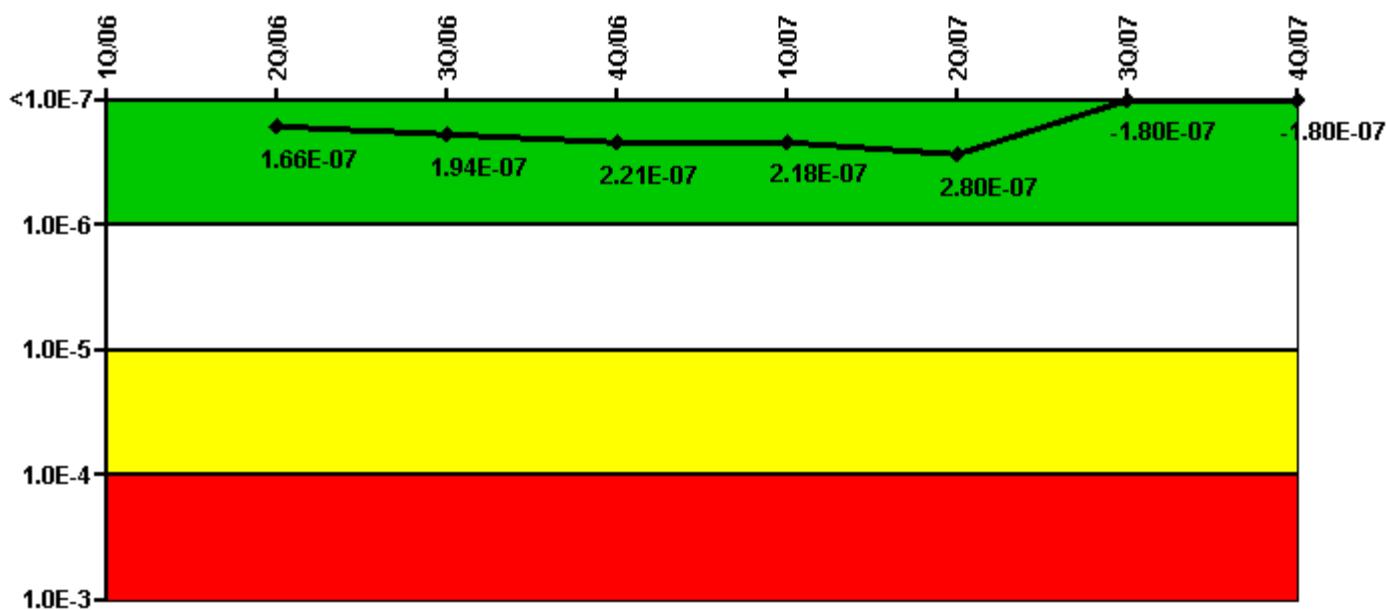
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08
URI (Δ CDF)		-6.80E-08	-6.60E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-8.90E-08
PLE		NO						
Indicator value		-9.00E-08	-8.80E-08	-8.80E-08	-8.60E-08	-8.60E-08	-8.60E-08	-1.12E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



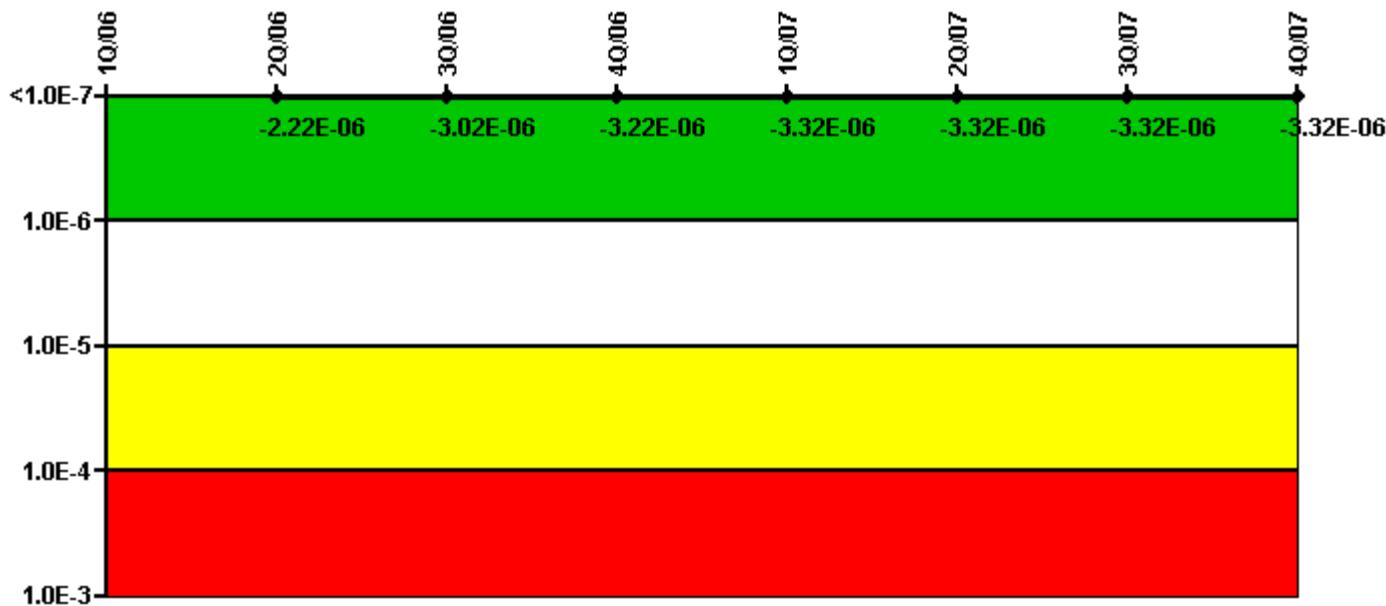
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		3.60E-08	6.40E-08	9.10E-08	8.80E-08	1.50E-07	1.90E-07	1.90E-07
URI (Δ CDF)		1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	-3.70E-07	-3.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		1.66E-07	1.94E-07	2.21E-07	2.18E-07	2.80E-07	-1.80E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

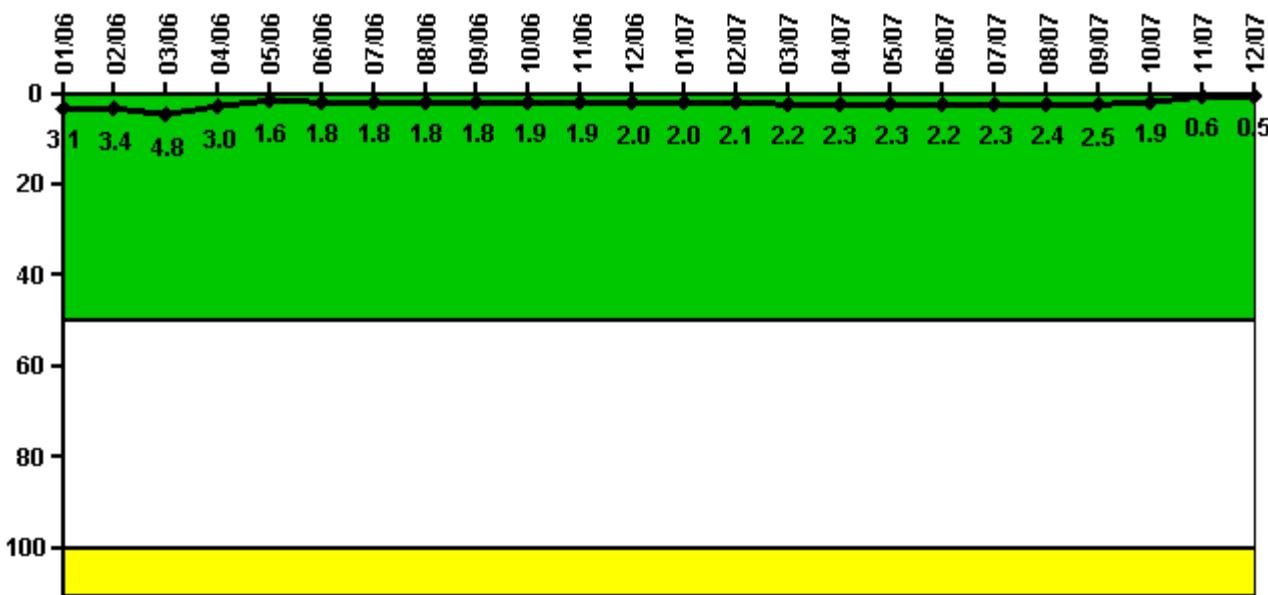
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-2.00E-06	-2.80E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.10E-06
URI (Δ CDF)		-2.20E-07						
PLE		NO						
Indicator value		-2.22E-06	-3.02E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.32E-06

Licensee Comments:

4Q/07: Changed PRA Parameter(s). 1) Rebuild of ERCW Pump Q-A started 12/09/07 to complete the end of January. Planned unavailability baseline for 4th quarter adjusted accordingly. 2) C-B Traveling Screen rebuild started in Sept & extended into Oct. Planned unavailability baseline for ERCW N-B & P-B pumps adjusted accordingly. 3) All ERCW pump planned unavailability baselineS may have been adjusted due to applicable maintenance that occurred over 3 years ago and had adjusted the baseline(s).

Reactor Coolant System Activity



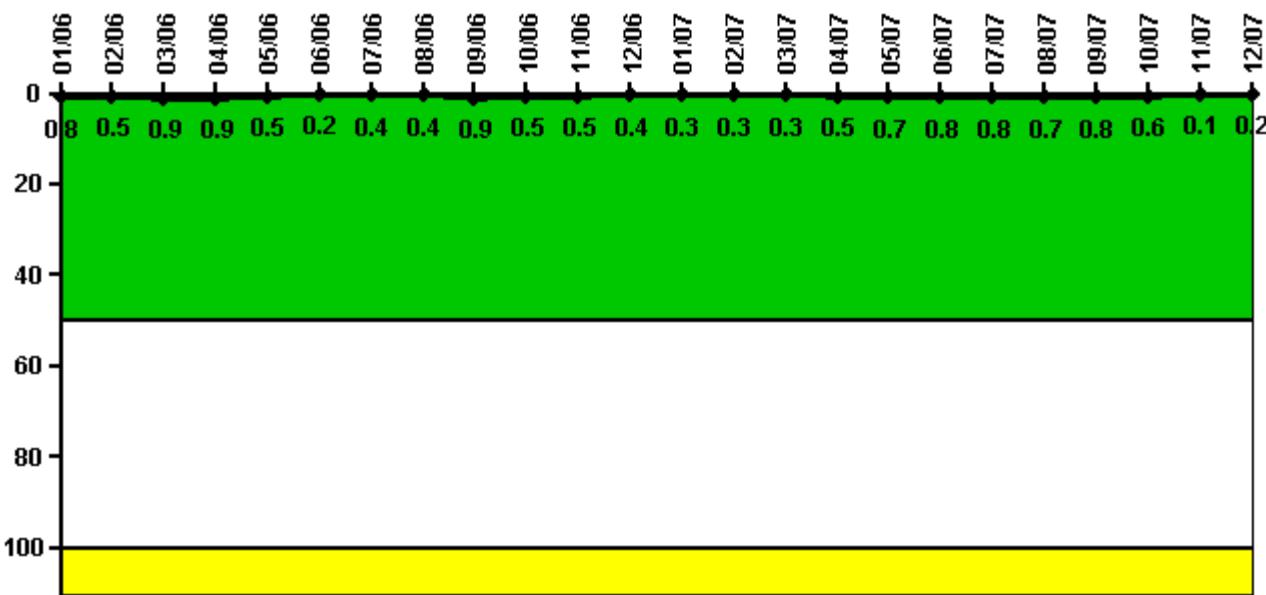
Thresholds: White > 50.0 Yellow > 100.0

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	0.010880	0.011990	0.016730	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	3.1	3.4	4.8	3.0	1.6	1.8	1.8	1.8	1.8	1.9	1.9	2.0
Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.0	2.1	2.2	2.3	2.3	2.2	2.3	2.4	2.5	1.9	0.6	0.5

Licensee Comments: none

Reactor Coolant System Leakage



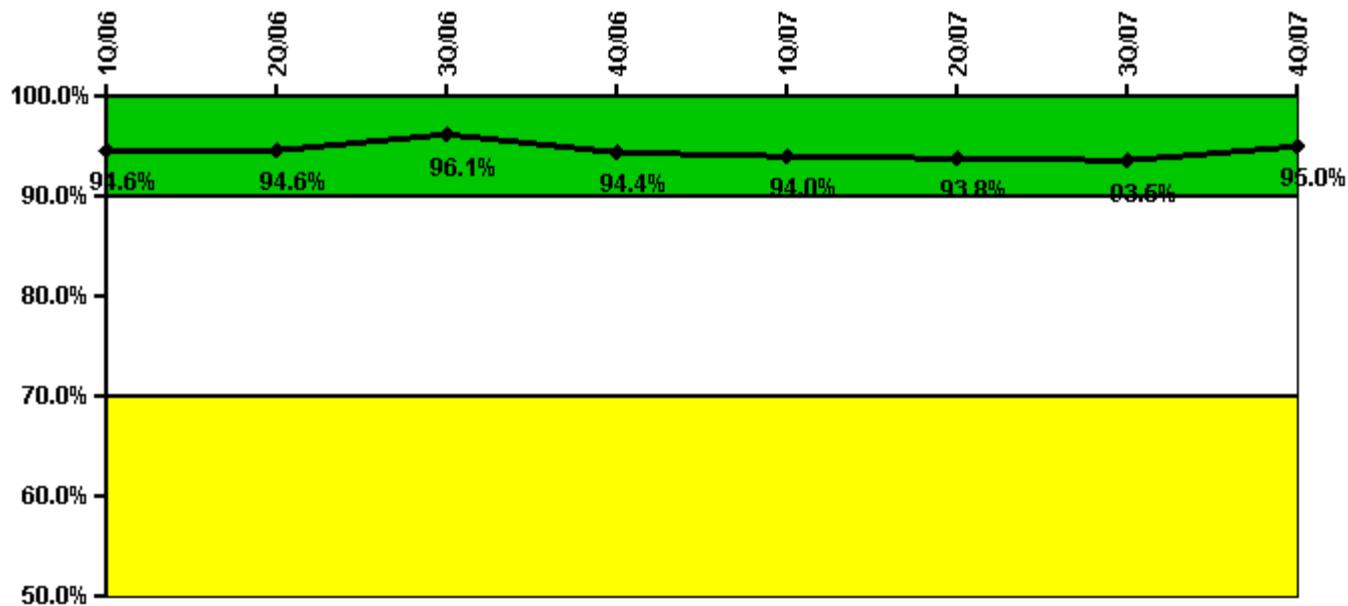
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.080	0.050	0.090	0.090	0.050	0.020	0.040	0.040	0.090	0.050	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.5	0.9	0.9	0.5	0.2	0.4	0.4	0.9	0.5	0.5	0.4
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	0.030	0.030	0.030	0.050	0.070	0.080	0.080	0.070	0.080	0.060	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.5	0.7	0.8	0.8	0.7	0.8	0.6	0.1	0.2

Licensee Comments: none

Drill/Exercise Performance



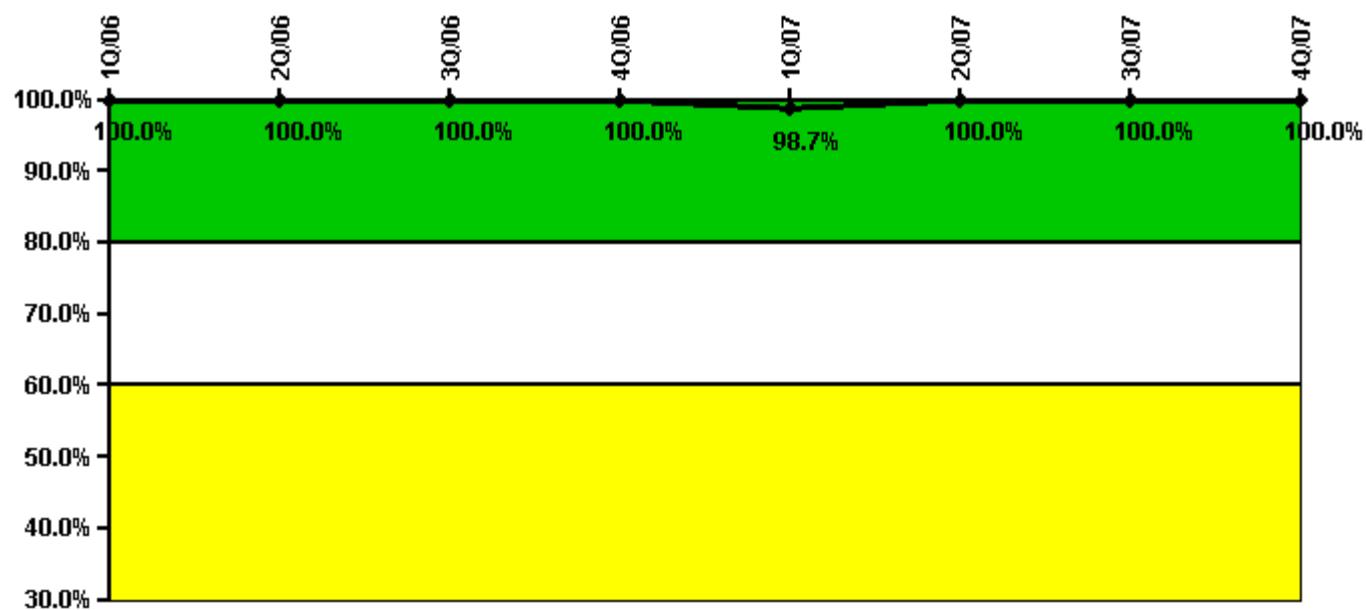
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	6.0	0	38.0	44.0	0	24.0	10.0	30.0
Total opportunities	6.0	0	38.0	48.0	0	26.0	10.0	32.0
Indicator value	94.6%	94.6%	96.1%	94.4%	94.0%	93.8%	93.5%	95.0%

Licensee Comments: none

ERO Drill Participation



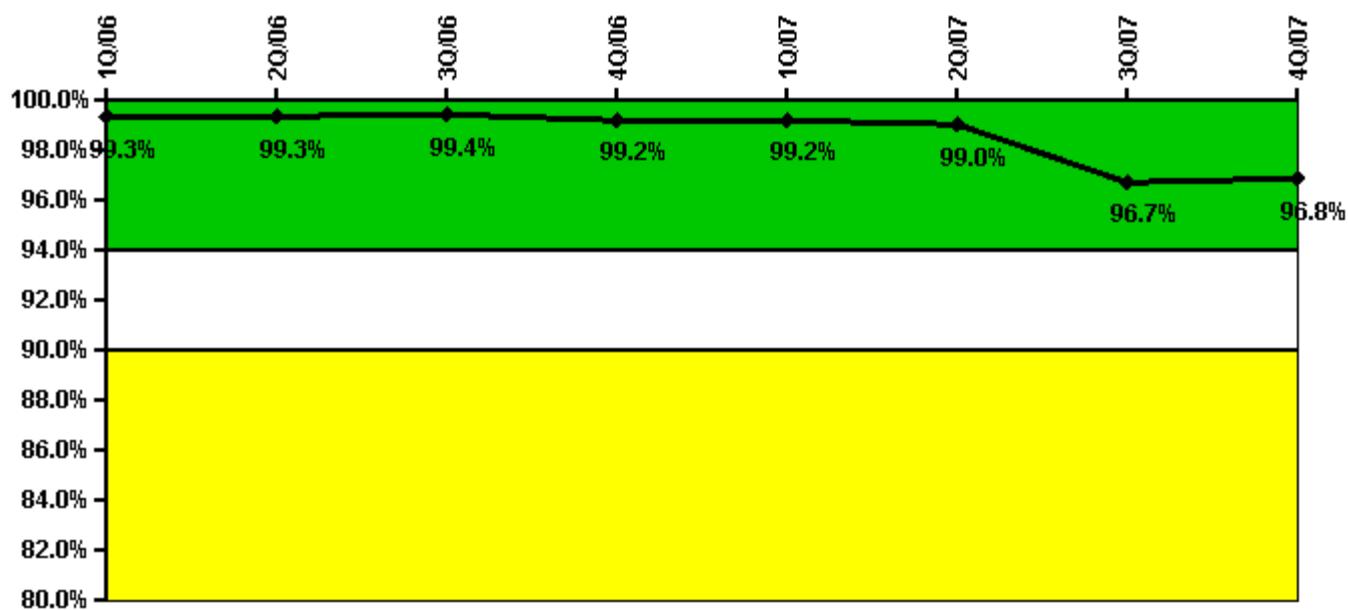
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	87.0	88.0	82.0	81.0	75.0	82.0	93.0	88.0
Total Key personnel	87.0	88.0	82.0	81.0	76.0	82.0	93.0	88.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



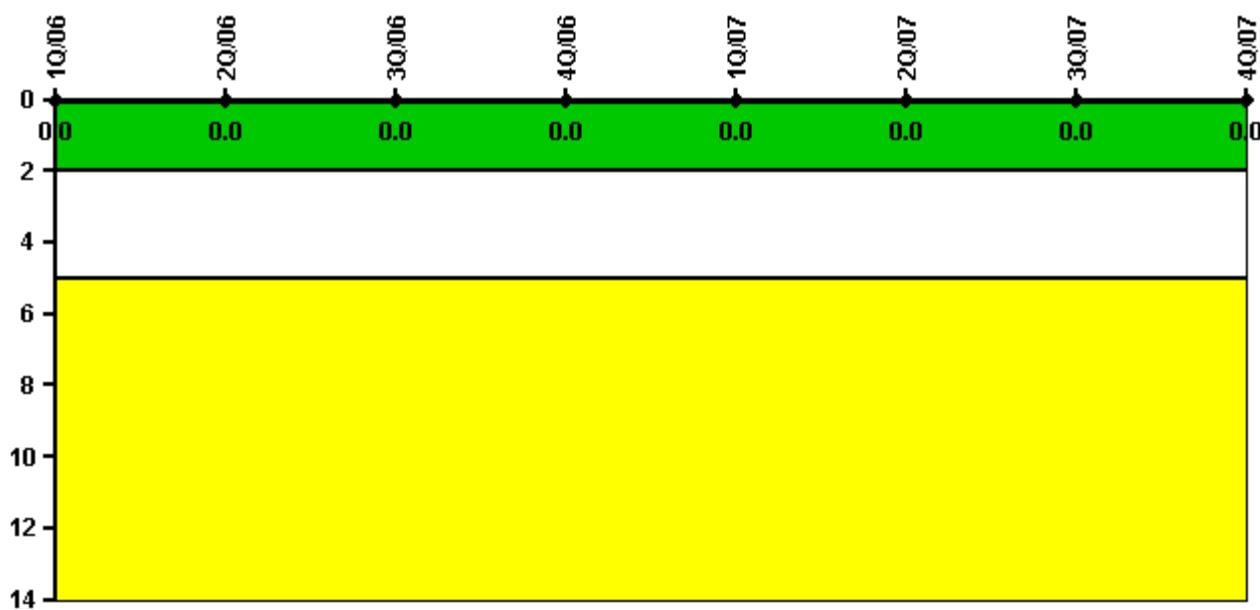
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	752	858	854	855	750	854	779	964
Total sirens-tests	756	864	861	864	756	864	864	972
Indicator value	99.3%	99.3%	99.4%	99.2%	99.2%	99.0%	96.7%	96.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



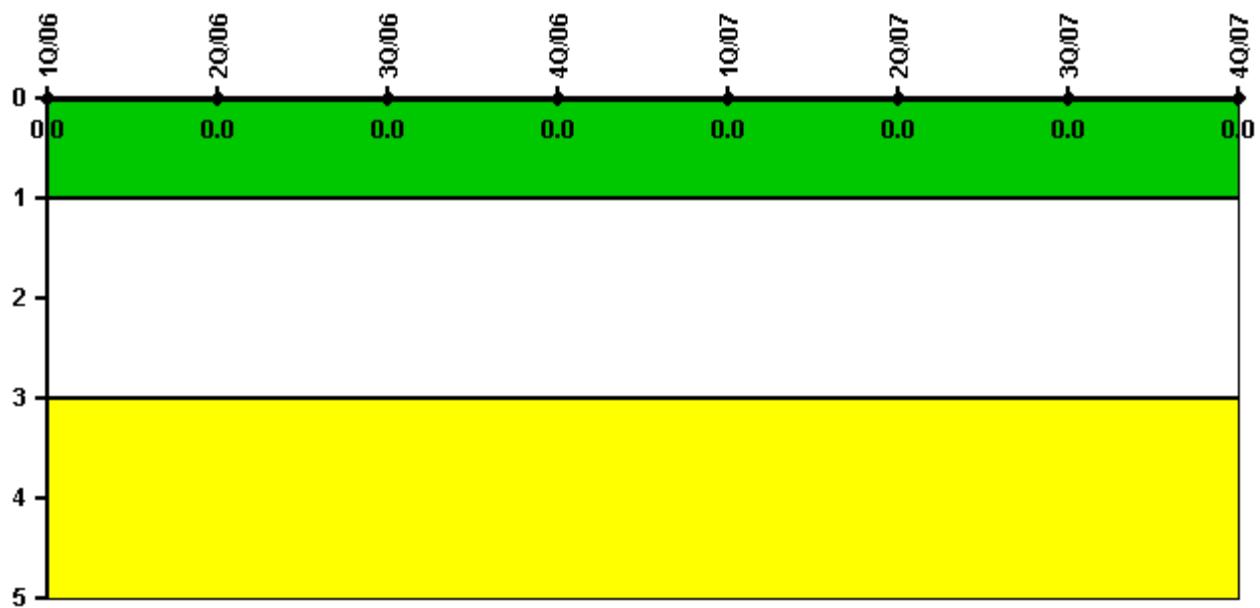
Thresholds: White > 2.0 Yellow > 5.0

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

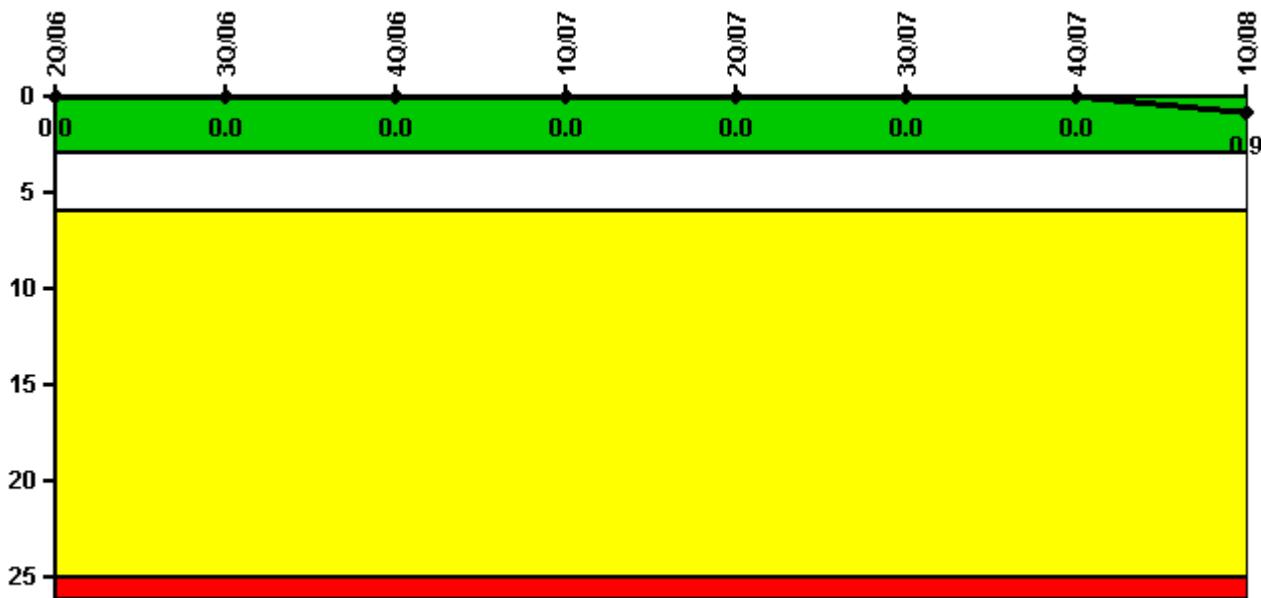
[Physical Protection](#) information not publicly available.

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1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



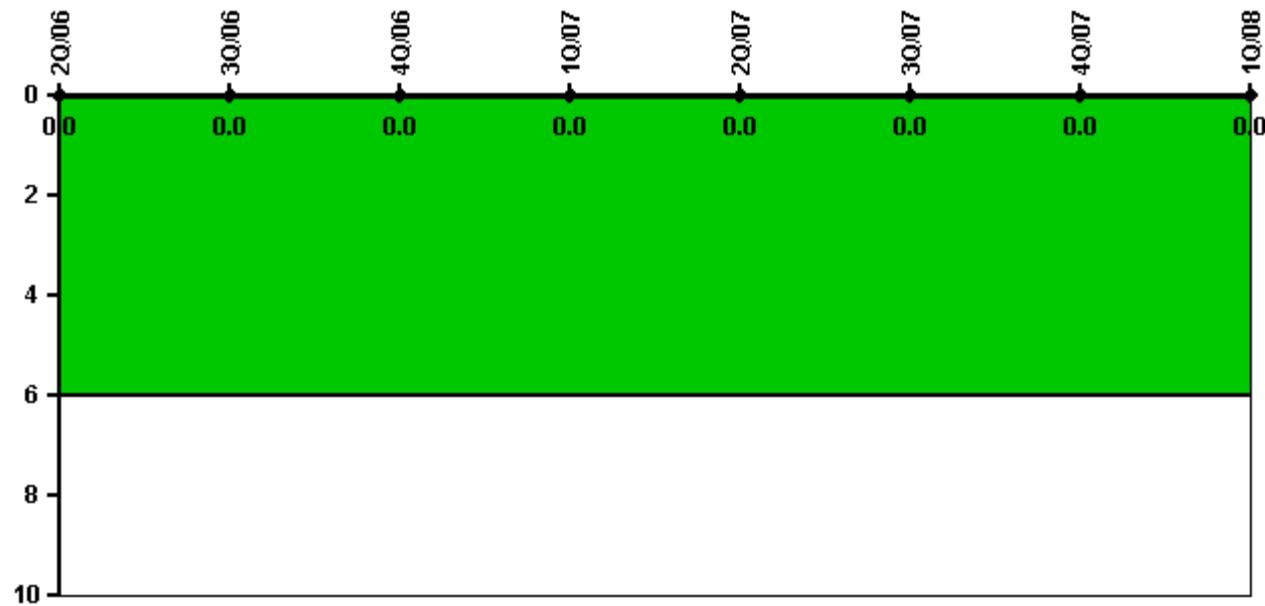
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0
Critical hours	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



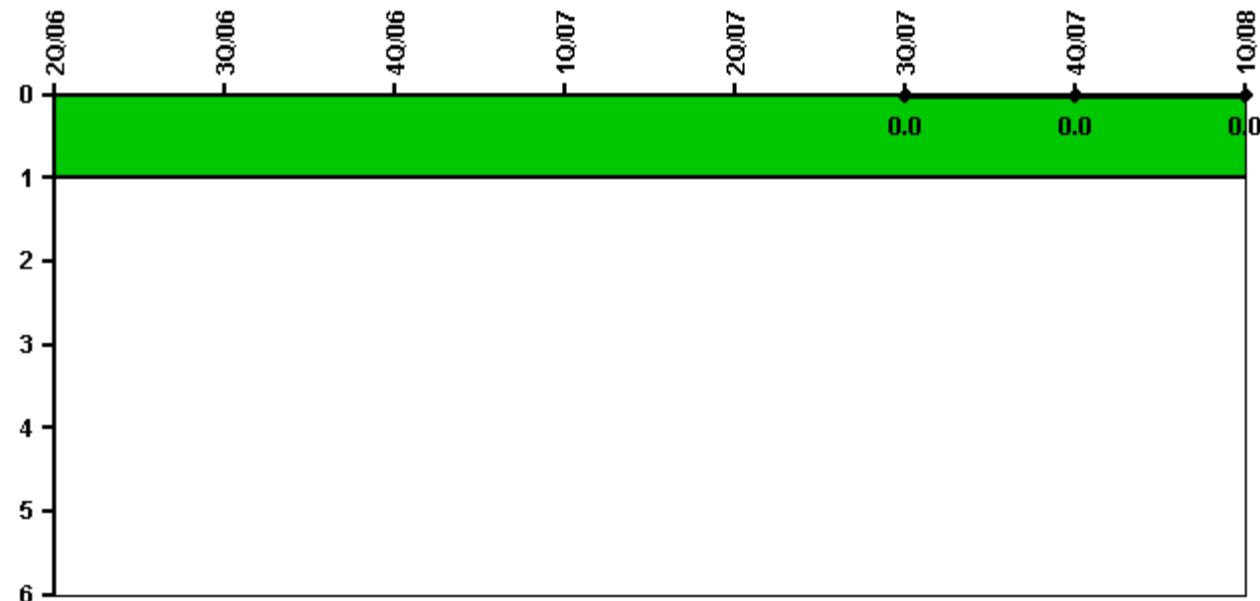
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1362.5	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



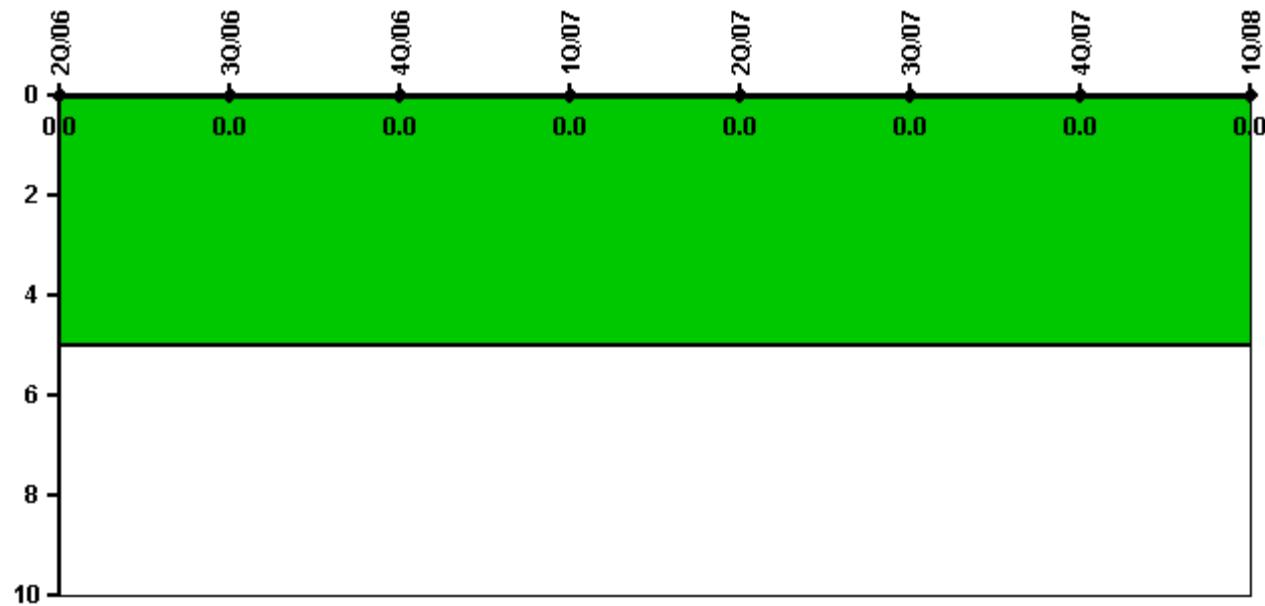
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/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)



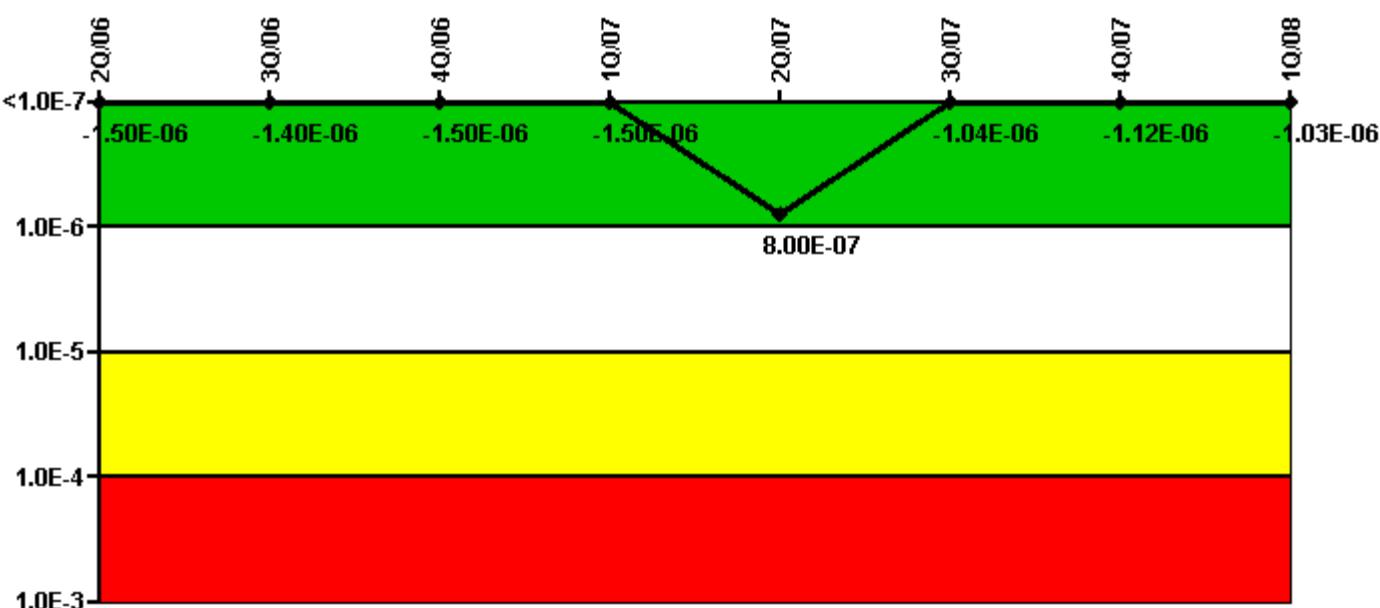
Thresholds: White > 5.0

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

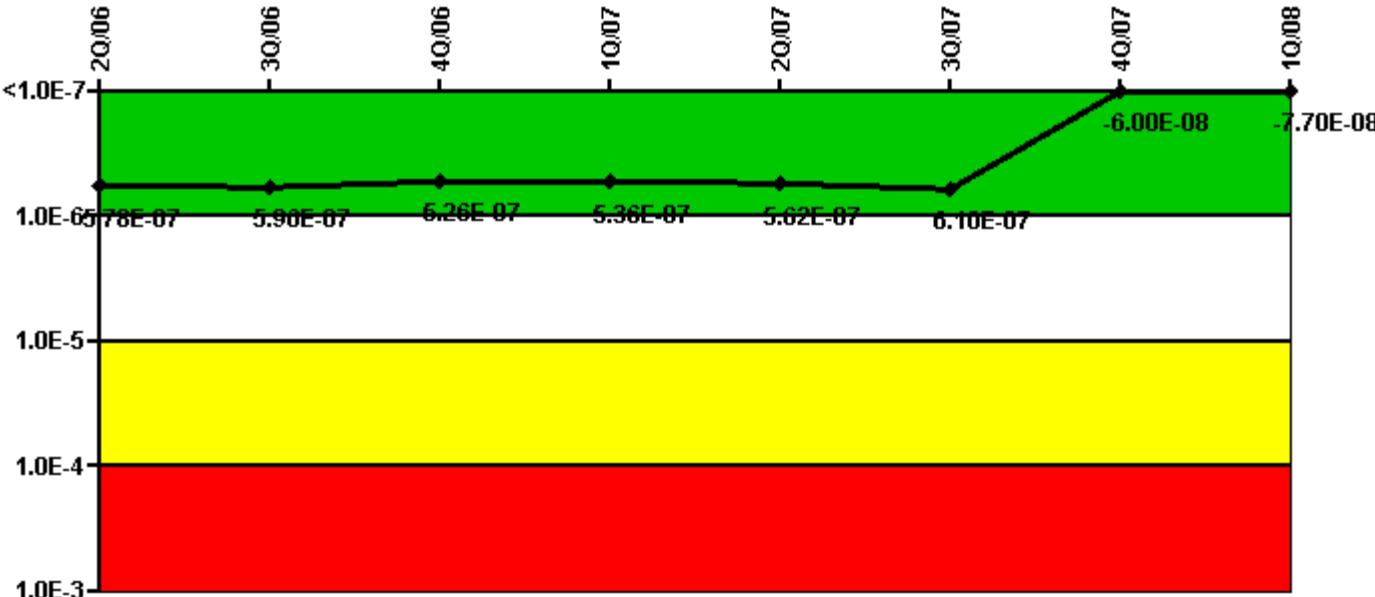
Notes

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 (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
URI (ΔCDF)	-1.30E-06	-1.20E-06	-1.30E-06	-1.30E-06	1.00E-06	-8.40E-07	-9.20E-07	-8.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-06	-1.40E-06	-1.50E-06	-1.50E-06	8.00E-07	-1.04E-06	-1.12E-06	-1.03E-06

Licensee Comments:

1Q/08: Risk Cap Invoked. An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

Mitigating Systems Performance Index, High Pressure Injection System



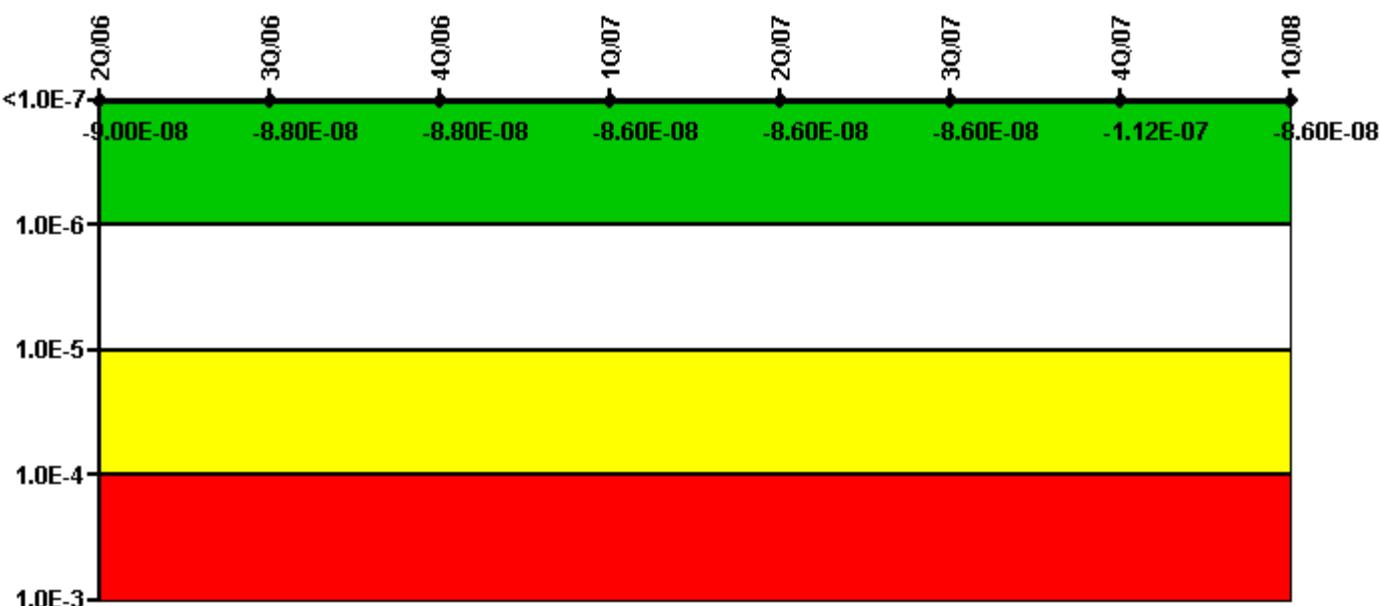
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	4.80E-08	6.60E-08	2.60E-08	3.60E-08	6.20E-08	1.10E-07	1.10E-07	9.30E-08
URI (Δ CDF)	5.30E-07	5.30E-07	5.00E-07	5.00E-07	5.00E-07	5.00E-07	-1.70E-07	-1.70E-07
PLE	NO	NO						
Indicator value	5.78E-07	5.96E-07	5.26E-07	5.36E-07	5.62E-07	6.10E-07	-6.00E-08	-7.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



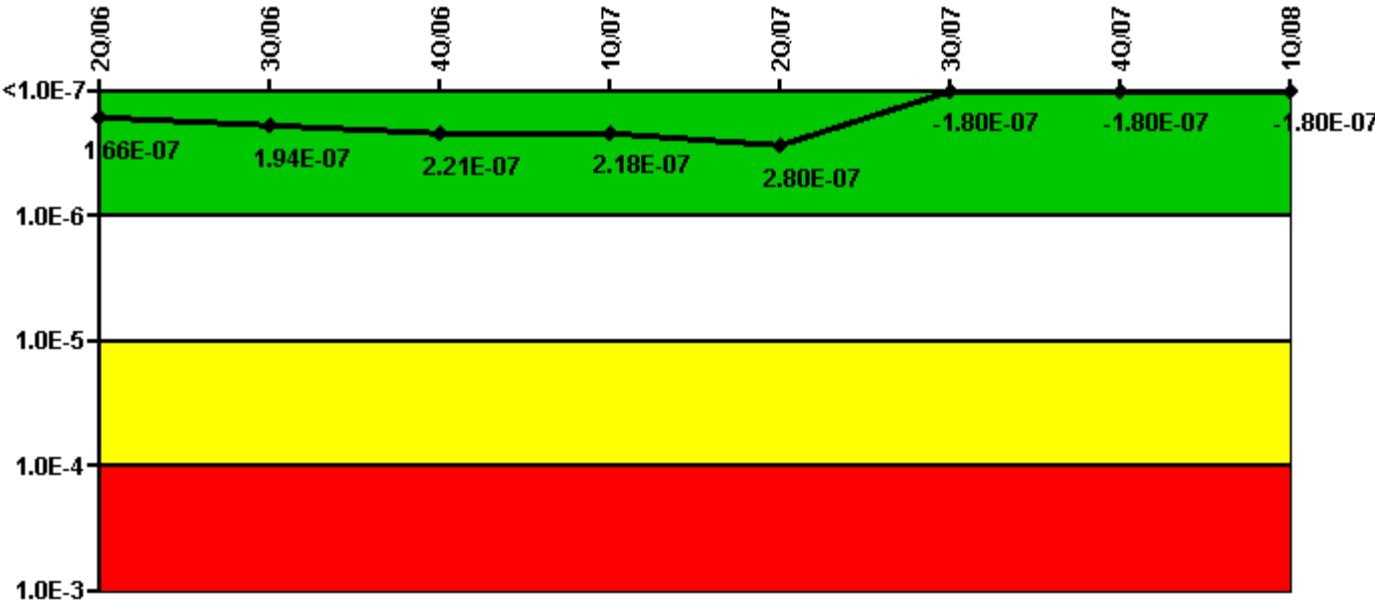
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.00E-08
URI (Δ CDF)	-6.80E-08	-6.60E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-8.90E-08	-6.60E-08
PLE	NO							
Indicator value	-9.00E-08	-8.80E-08	-8.80E-08	-8.60E-08	-8.60E-08	-8.60E-08	-1.12E-07	-8.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



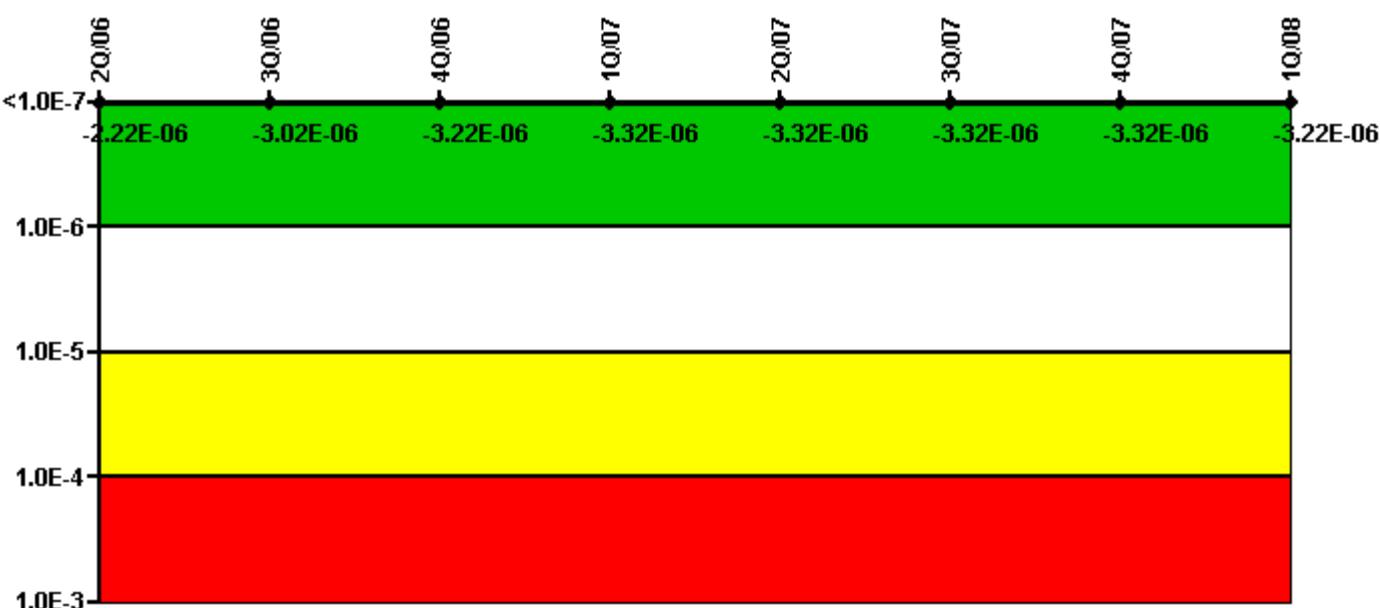
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	3.60E-08	6.40E-08	9.10E-08	8.80E-08	1.50E-07	1.90E-07	1.90E-07	1.90E-07
URI (Δ CDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	-3.70E-07	-3.70E-07	-3.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.66E-07	1.94E-07	2.21E-07	2.18E-07	2.80E-07	-1.80E-07	-1.80E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

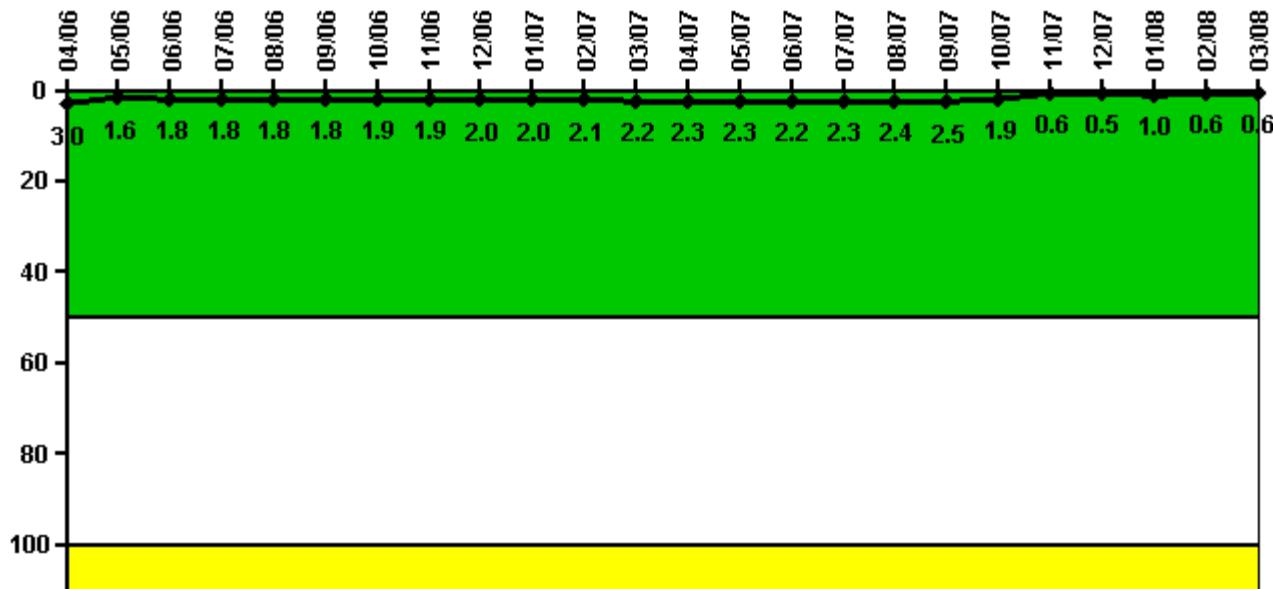
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-2.00E-06	-2.80E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.00E-06
URI (Δ CDF)	-2.20E-07							
PLE	NO							
Indicator value	-2.22E-06	-3.02E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.22E-06

Licensee Comments:

1Q/08: Changed PRA Parameter(s). Adjusted the planned unavailability baselines for non-routine maintenance that occurred this quarter and removed that which occurred more than 12 quarters ago.

Reactor Coolant System Activity



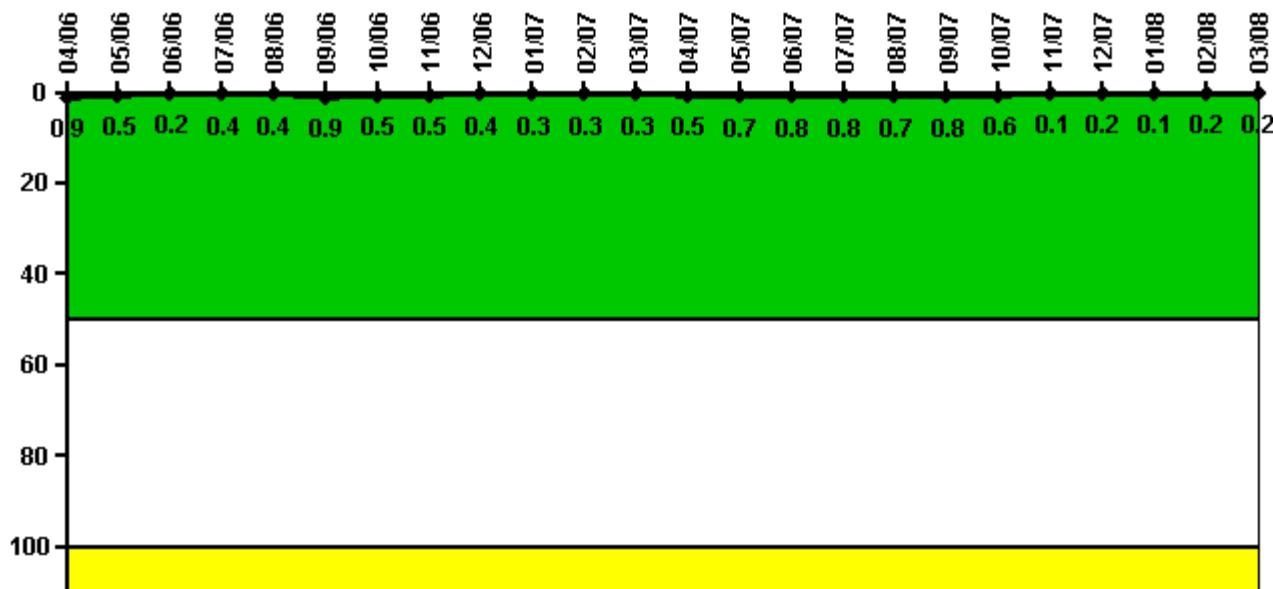
Thresholds: White > 50.0 Yellow > 100.0

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	0.010510	0.005567	0.006252	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	3.0	1.6	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2
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	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.3	2.3	2.2	2.3	2.4	2.5	1.9	0.6	0.5	1.0	0.6	0.6

Licensee Comments: none

Reactor Coolant System Leakage



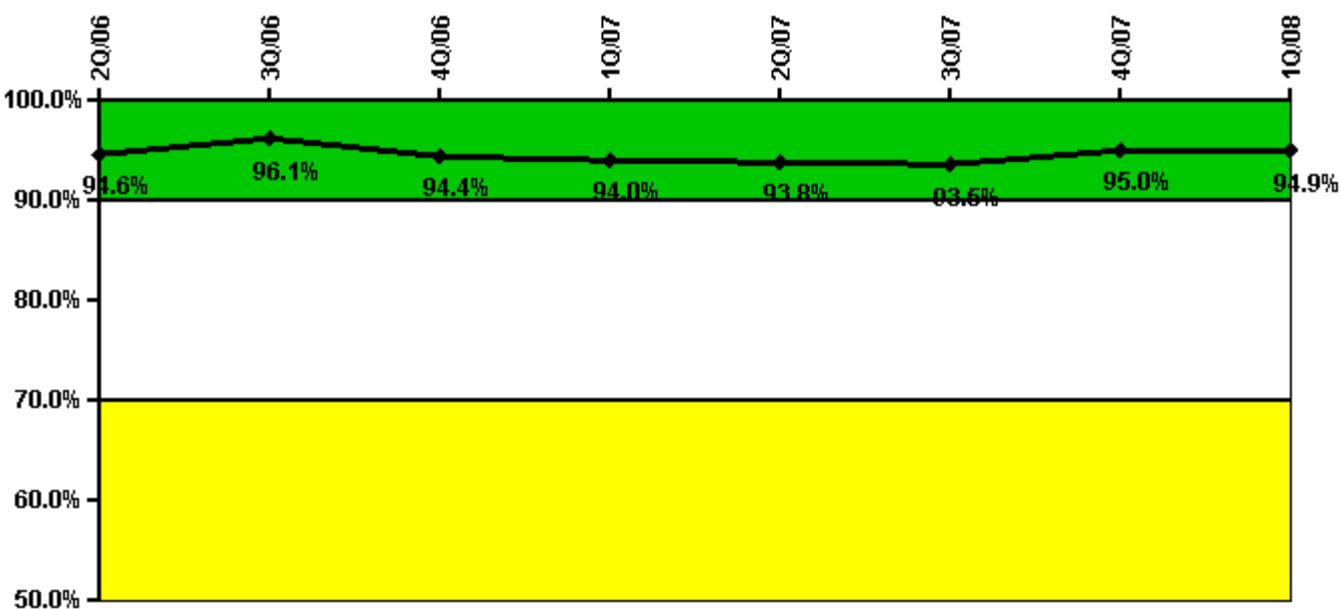
Thresholds: White > 50.0 Yellow > 100.0

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	0.090	0.050	0.020	0.040	0.040	0.090	0.050	0.050	0.040	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.5	0.2	0.4	0.4	0.9	0.5	0.5	0.4	0.3	0.3	0.3
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	0.050	0.070	0.080	0.080	0.070	0.080	0.060	0.010	0.020	0.010	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.7	0.8	0.8	0.7	0.8	0.6	0.1	0.2	0.1	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



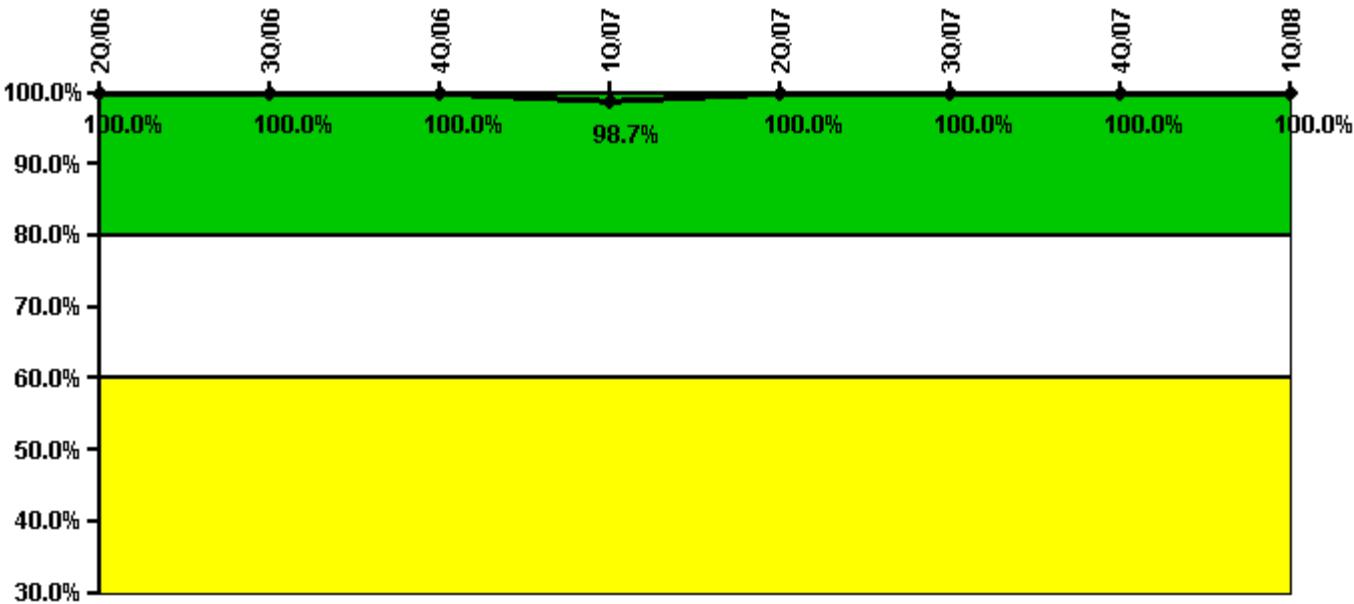
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	0	38.0	44.0	0	24.0	10.0	30.0	4.0
Total opportunities	0	38.0	48.0	0	26.0	10.0	32.0	4.0
Indicator value	94.6%	96.1%	94.4%	94.0%	93.8%	93.5%	95.0%	94.9%

Licensee Comments: none

ERO Drill Participation



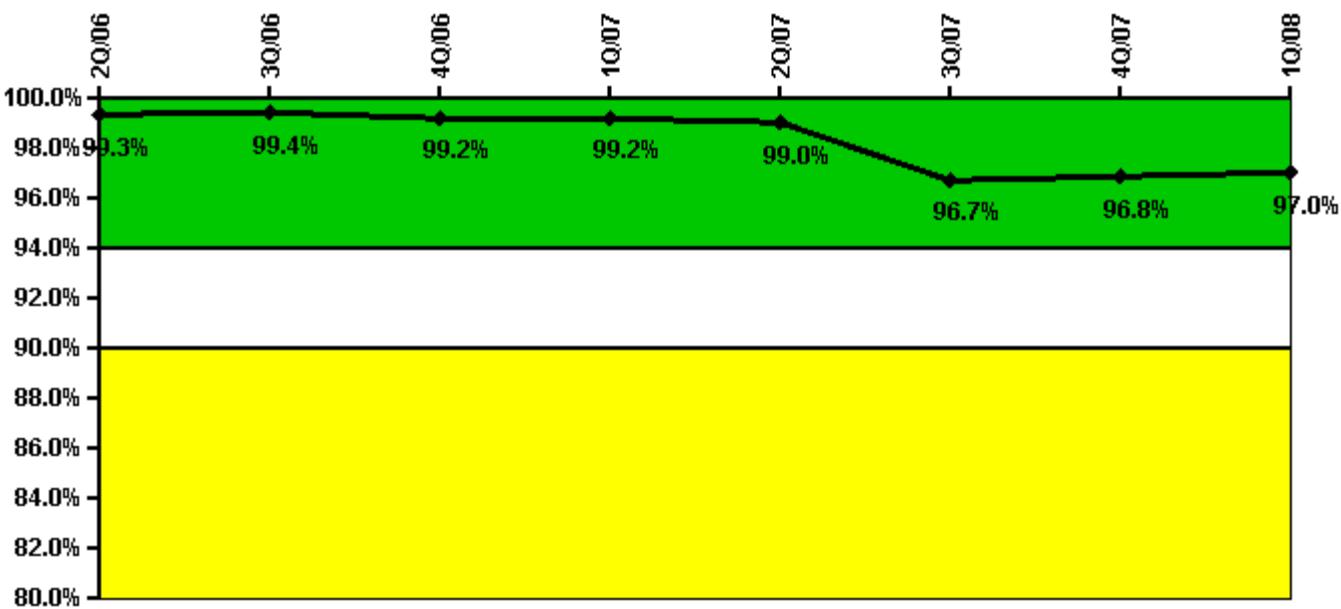
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	88.0	82.0	81.0	75.0	82.0	93.0	88.0	83.0
Total Key personnel	88.0	82.0	81.0	76.0	82.0	93.0	88.0	83.0
Indicator value	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



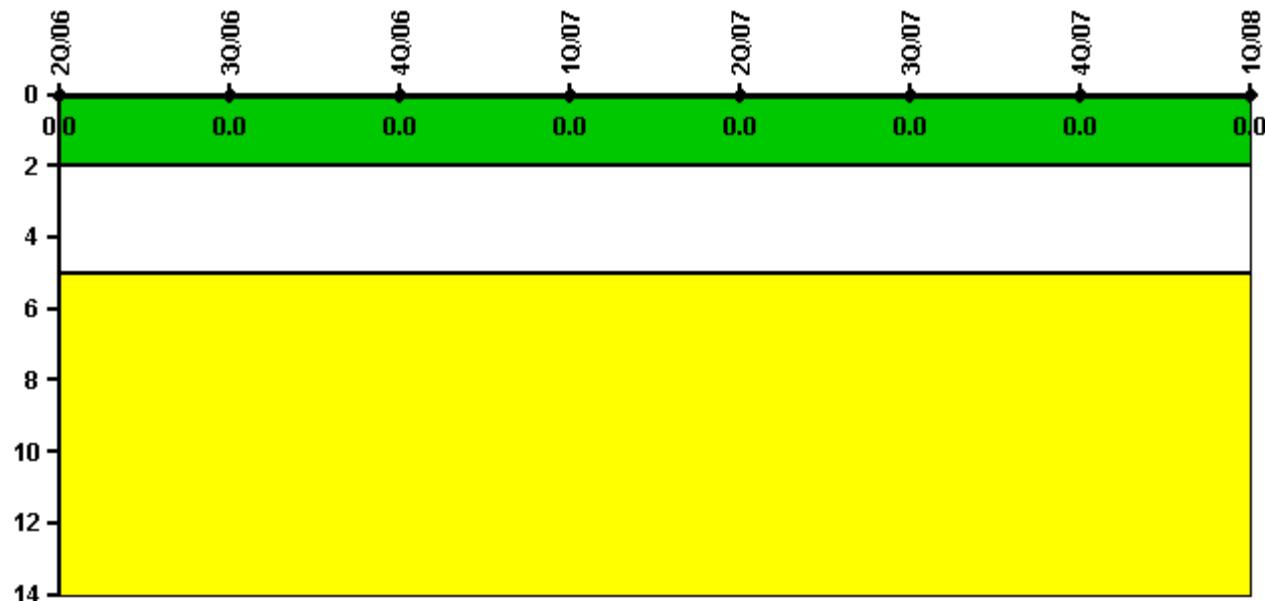
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	858	854	855	750	854	779	964	754
Total sirens-tests	864	861	864	756	864	864	972	756
Indicator value	99.3%	99.4%	99.2%	99.2%	99.0%	96.7%	96.8%	97.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



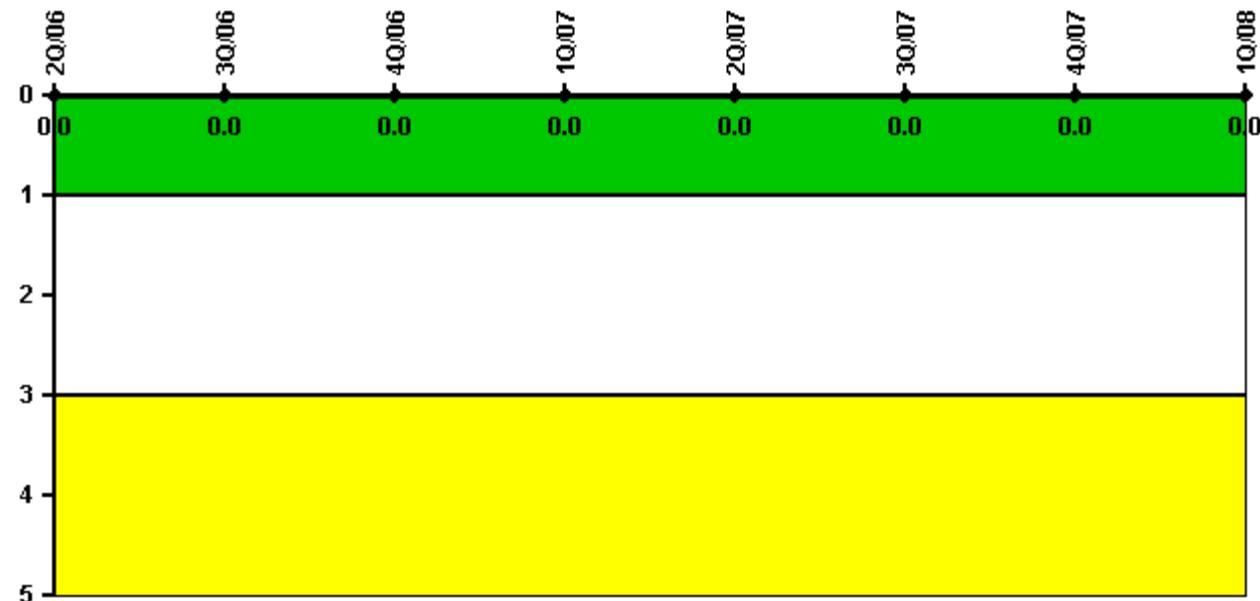
Thresholds: White > 2.0 Yellow > 5.0

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](#)

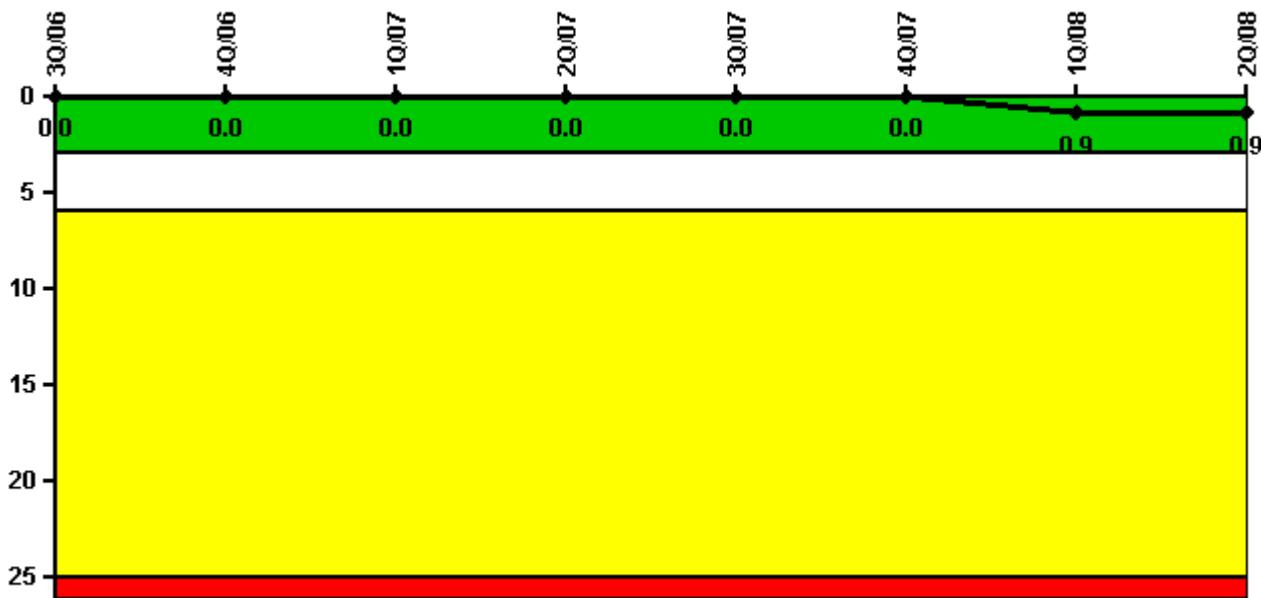
Last Modified: April 30, 2008

Sequoyah 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



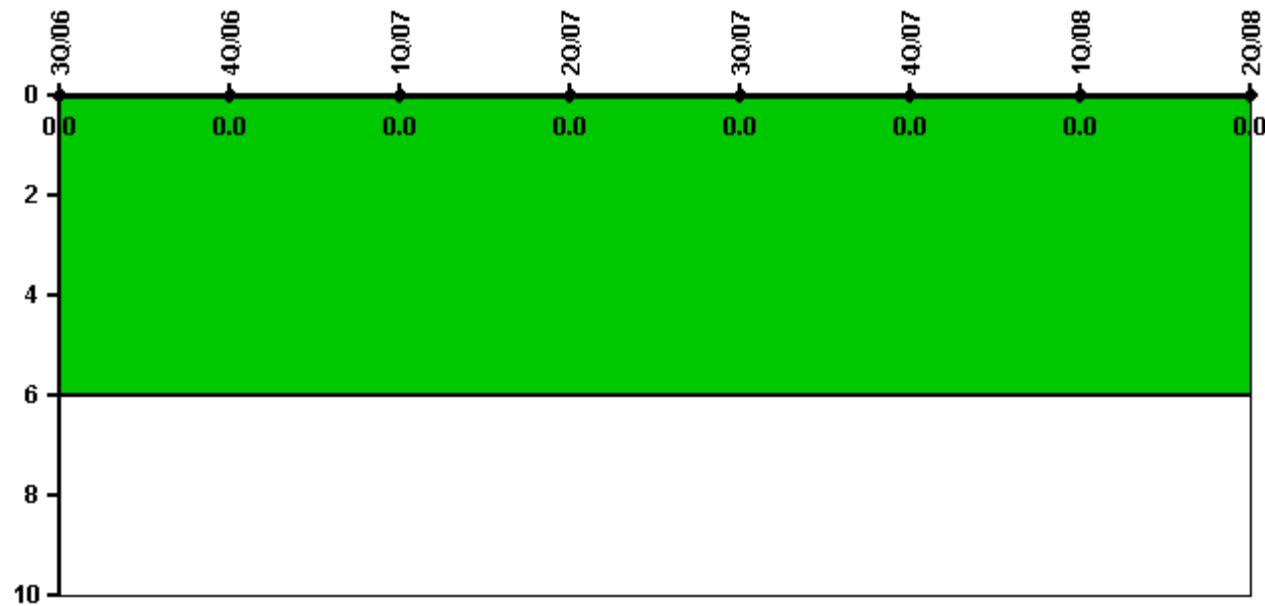
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



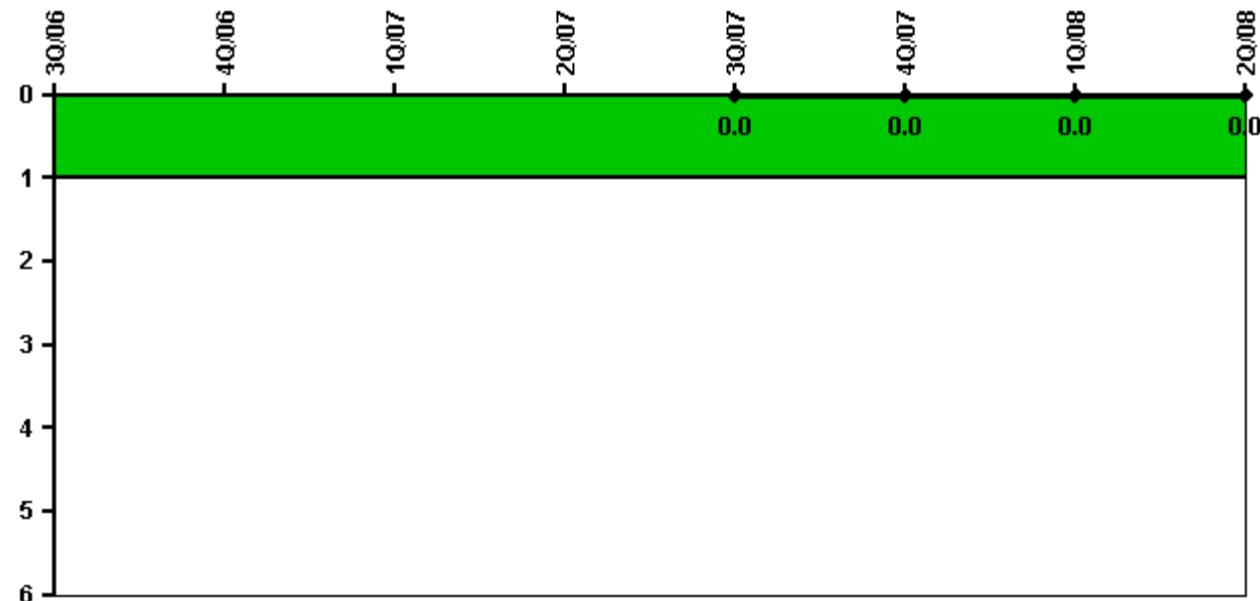
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



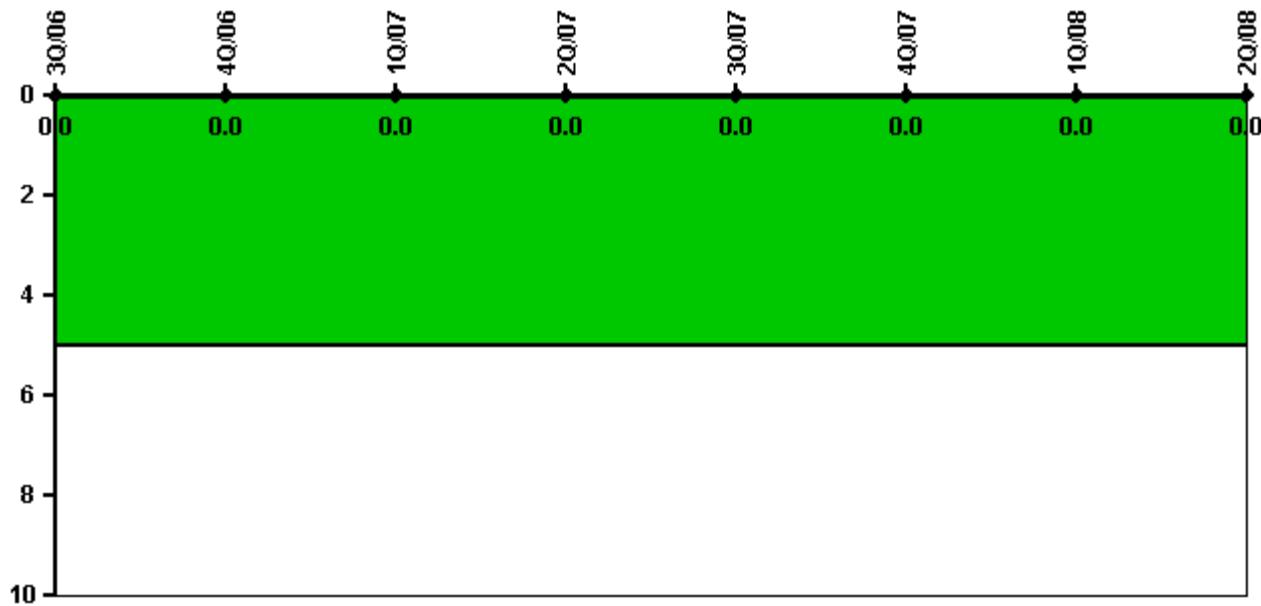
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/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)



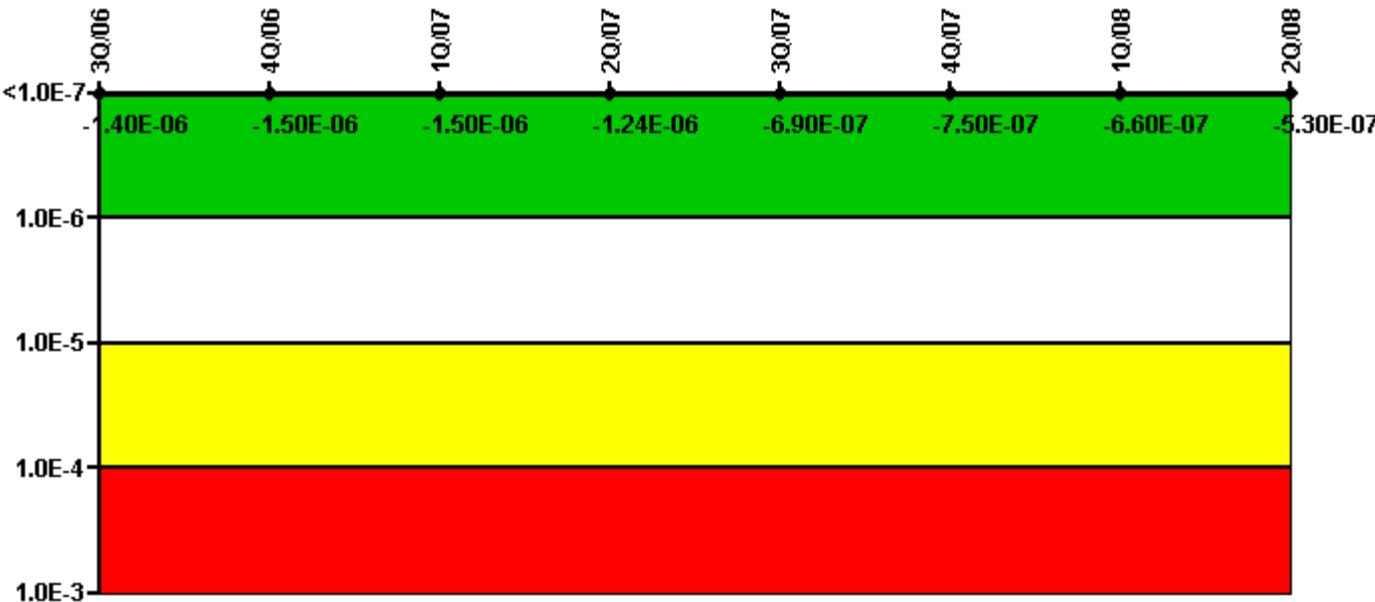
Thresholds: White > 5.0

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)	-2.00E-07	-2.00E-07	-2.00E-07	1.60E-07	1.50E-07	1.70E-07	1.70E-07	-2.00E-07
URI (Δ CDF)	-1.20E-06	-1.30E-06	-1.30E-06	-1.40E-06	-8.40E-07	-9.20E-07	-8.30E-07	-3.30E-07
PLE	NO							
Indicator value	-1.40E-06	-1.50E-06	-1.50E-06	-1.24E-06	-6.90E-07	-7.50E-07	-6.60E-07	-5.30E-07

Licensee Comments:

2Q/08: Risk Cap Invoked. Changed PRA Parameter(s). Revised all quarterly data within the 3 yr reporting window for the following corrections. Planned unavailable hours due to SSPS testing on U1 were removed from the U2 indicator and vice versa. Unavailable hours included while the applicable unit was not critical were subtracted. Also, baseline planned unavailability was updated for these same conditions. These changes made in accordance with Sequoyah PER 135288. BPK7/11/08

1Q/08: Risk Cap Invoked. Changed PRA Parameter(s). An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

4Q/07: Risk Cap Invoked. Changed PRA Parameter(s). The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. Changed PRA Parameter(s). failure record 1088 updated for MSPI failure no. Failed components were outside the monitoring boundary. BPK 1/16/08

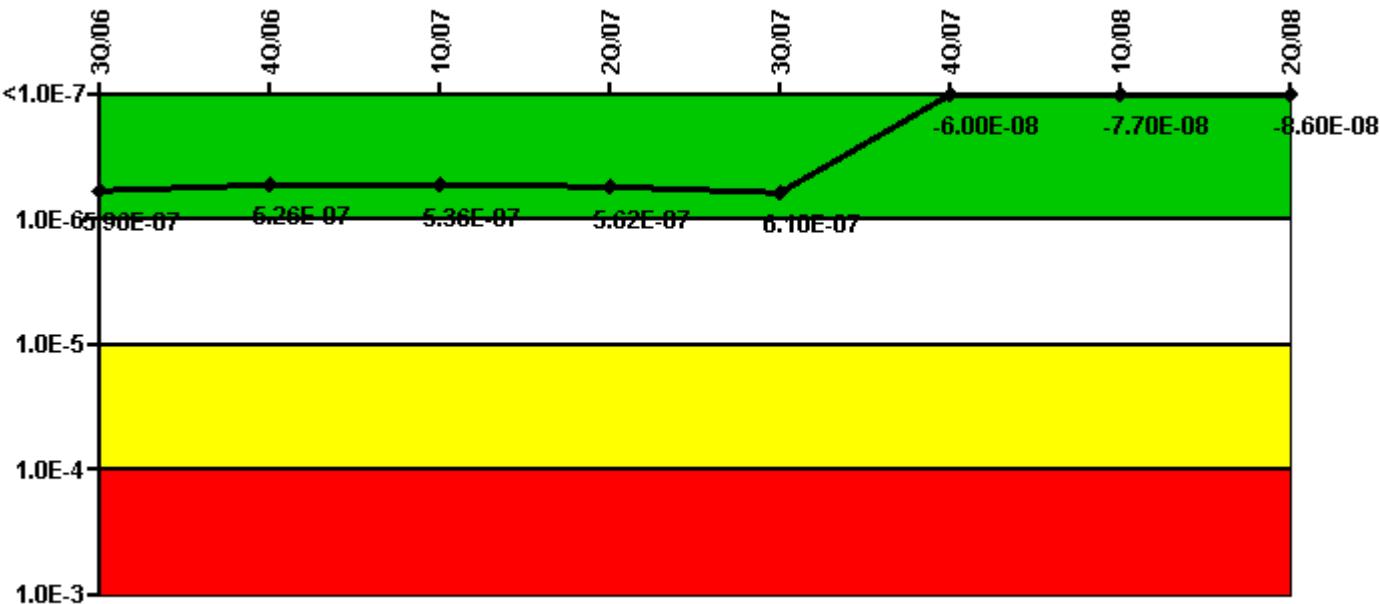
2Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

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

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

3Q/06: Risk Cap Invoked. Changed PRA Parameter(s). failure record 1057 updated to MSPI failure no. Failed equipment was outside the monitoring boundary. BPK 1/16/08

Mitigating Systems Performance Index, High Pressure Injection System



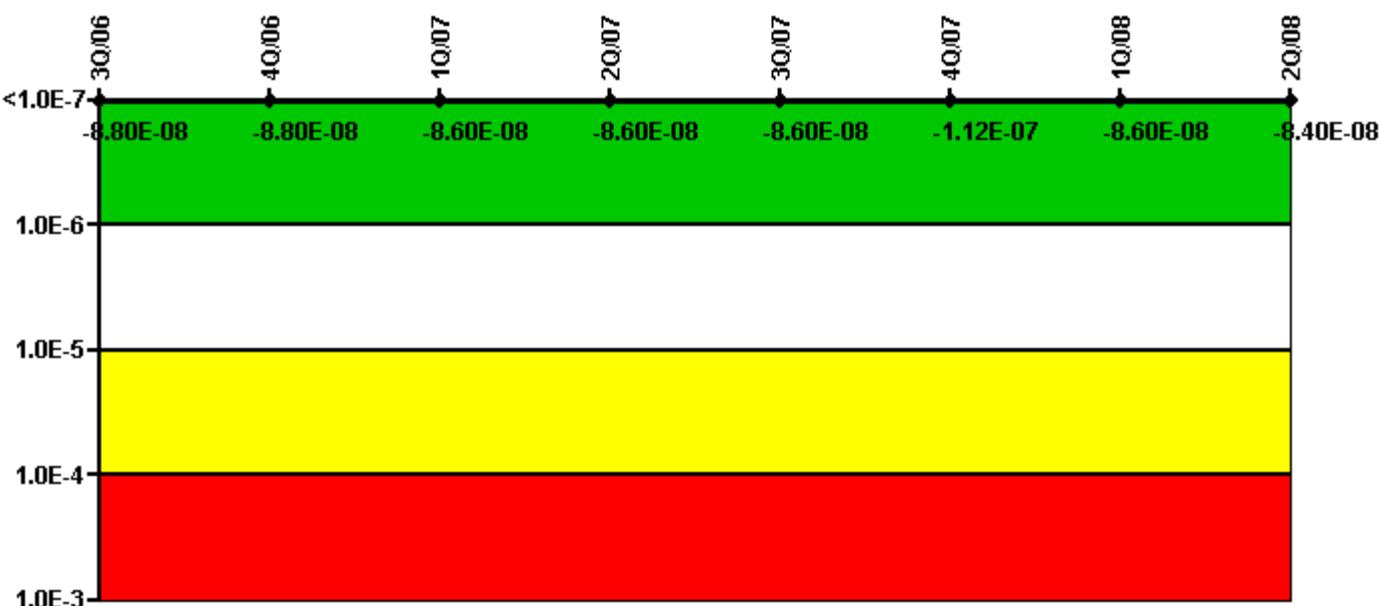
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	6.60E-08	2.60E-08	3.60E-08	6.20E-08	1.10E-07	1.10E-07	9.30E-08	8.40E-08
URI (Δ CDF)	5.30E-07	5.00E-07	5.00E-07	5.00E-07	5.00E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.96E-07	5.26E-07	5.36E-07	5.62E-07	6.10E-07	-6.00E-08	-7.70E-08	-8.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



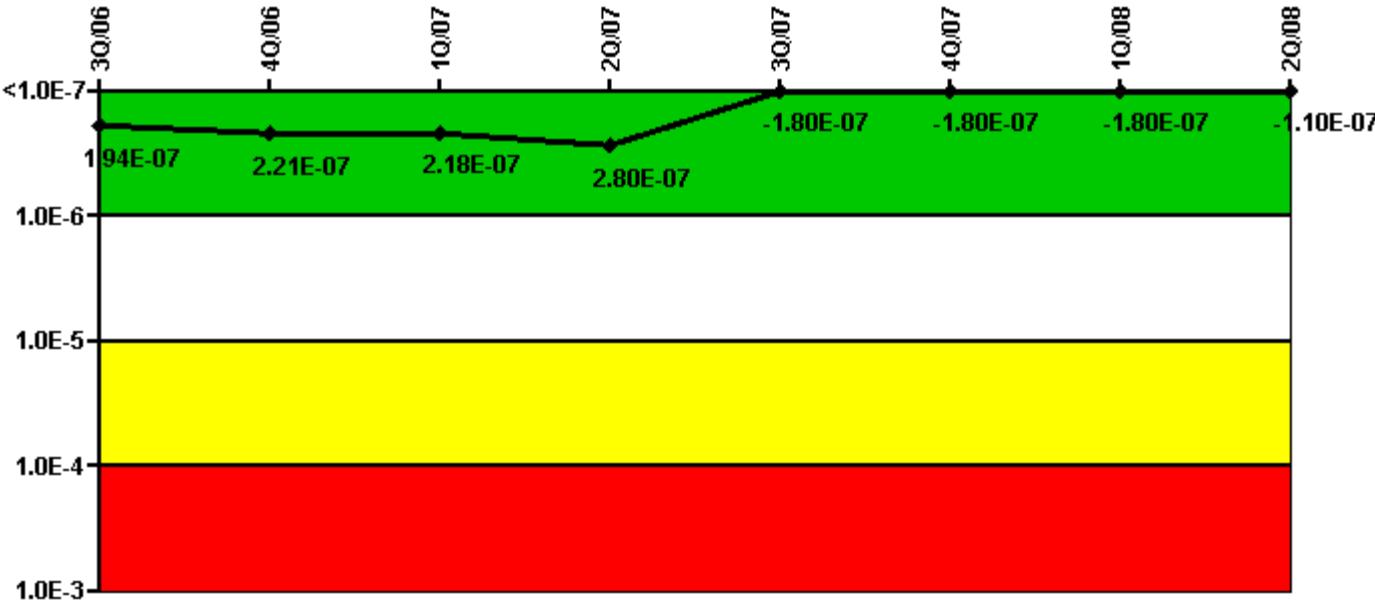
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.00E-08	-2.00E-08
URI (Δ CDF)	-6.60E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-8.90E-08	-6.60E-08	-6.40E-08
PLE	NO							
Indicator value	-8.80E-08	-8.80E-08	-8.60E-08	-8.60E-08	-8.60E-08	-1.12E-07	-8.60E-08	-8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



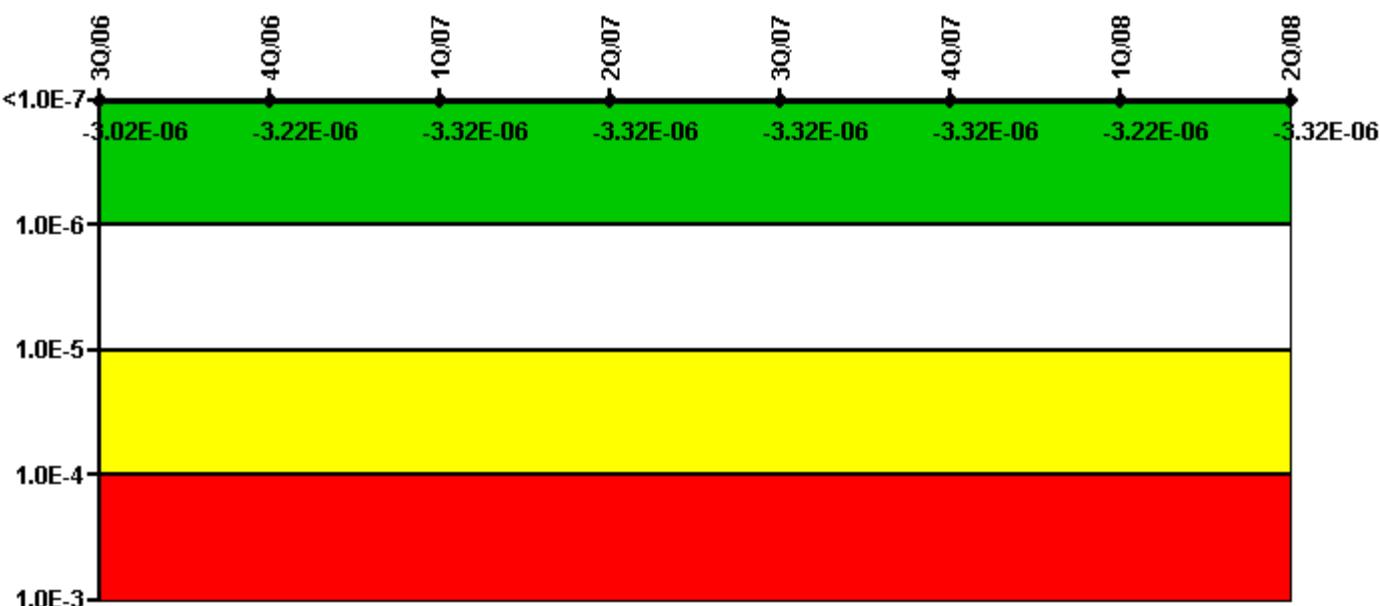
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	6.40E-08	9.10E-08	8.80E-08	1.50E-07	1.90E-07	1.90E-07	1.90E-07	2.60E-07
URI (Δ CDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.94E-07	2.21E-07	2.18E-07	2.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

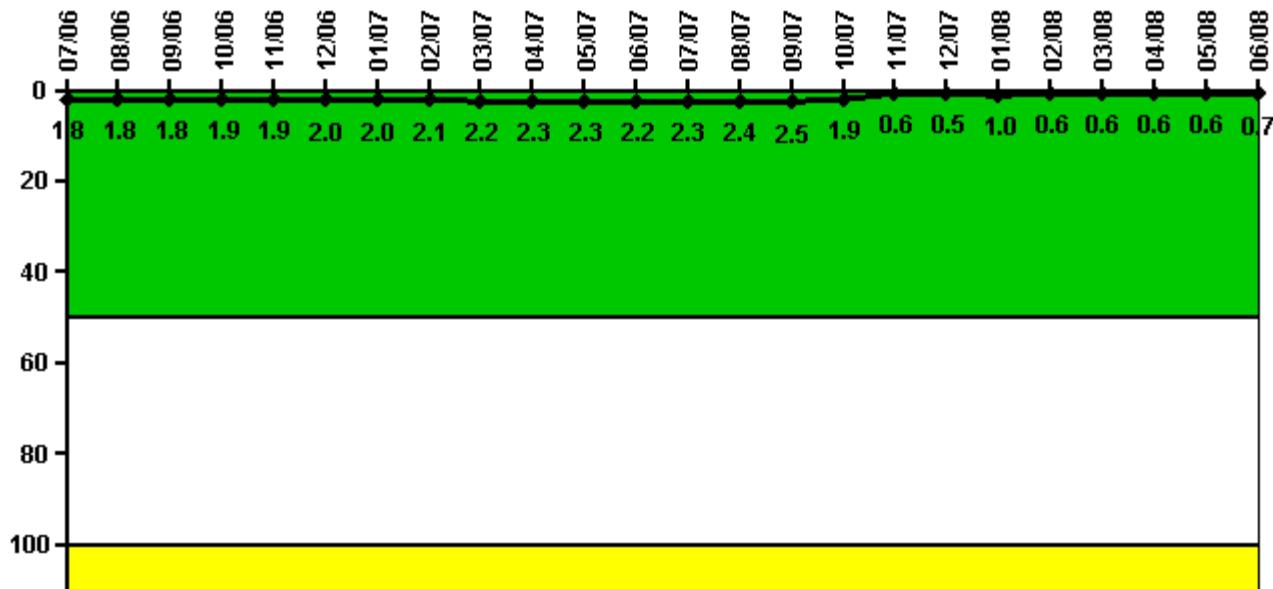
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-2.80E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.00E-06	-3.10E-06
URI (Δ CDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.02E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.22E-06	-3.32E-06

Licensee Comments:

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

Reactor Coolant System Activity



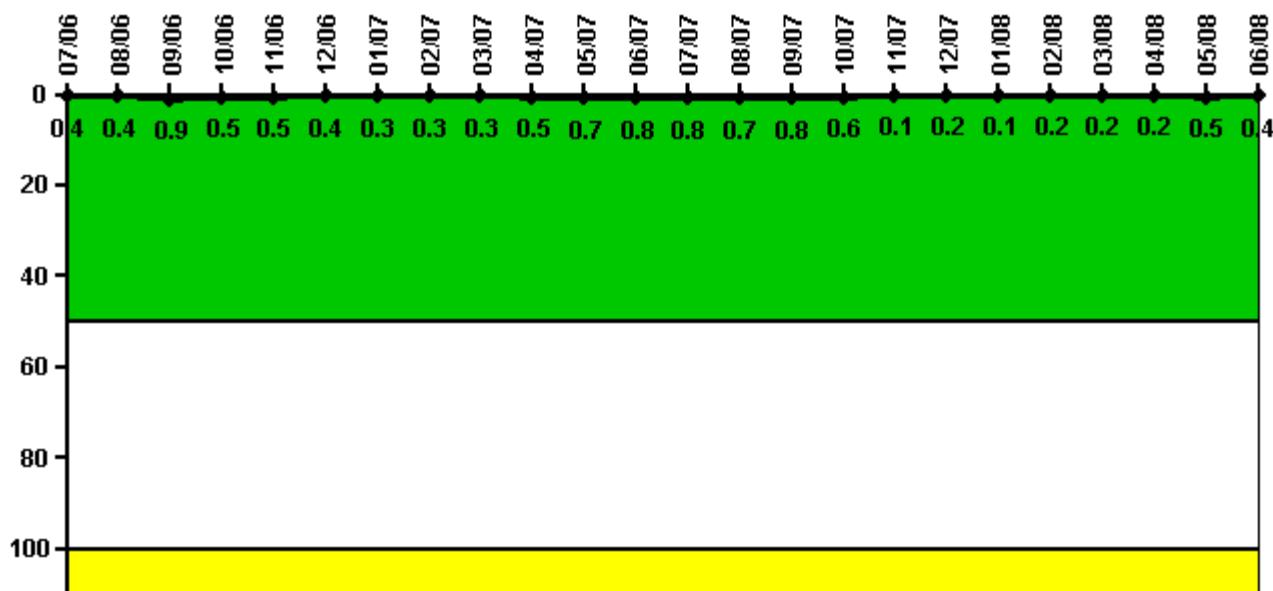
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.006234	0.006255	0.006244	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.2
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	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.3	2.4	2.5	1.9	0.6	0.5	1.0	0.6	0.6	0.6	0.6	0.7

Licensee Comments: none

Reactor Coolant System Leakage



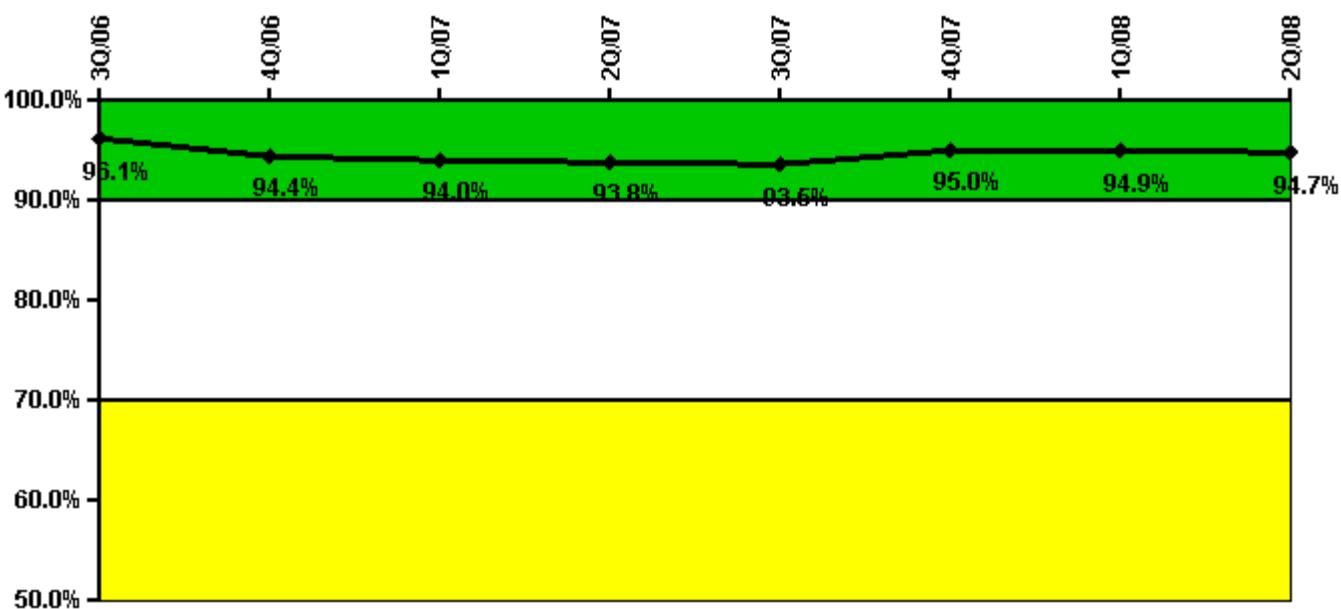
Thresholds: White > 50.0 Yellow > 100.0

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	0.040	0.040	0.090	0.050	0.050	0.040	0.030	0.030	0.030	0.050	0.070	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.9	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.7	0.8
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.080	0.070	0.080	0.060	0.010	0.020	0.010	0.020	0.020	0.020	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.7	0.8	0.6	0.1	0.2	0.1	0.2	0.2	0.2	0.5	0.4

Licensee Comments: none

Drill/Exercise Performance



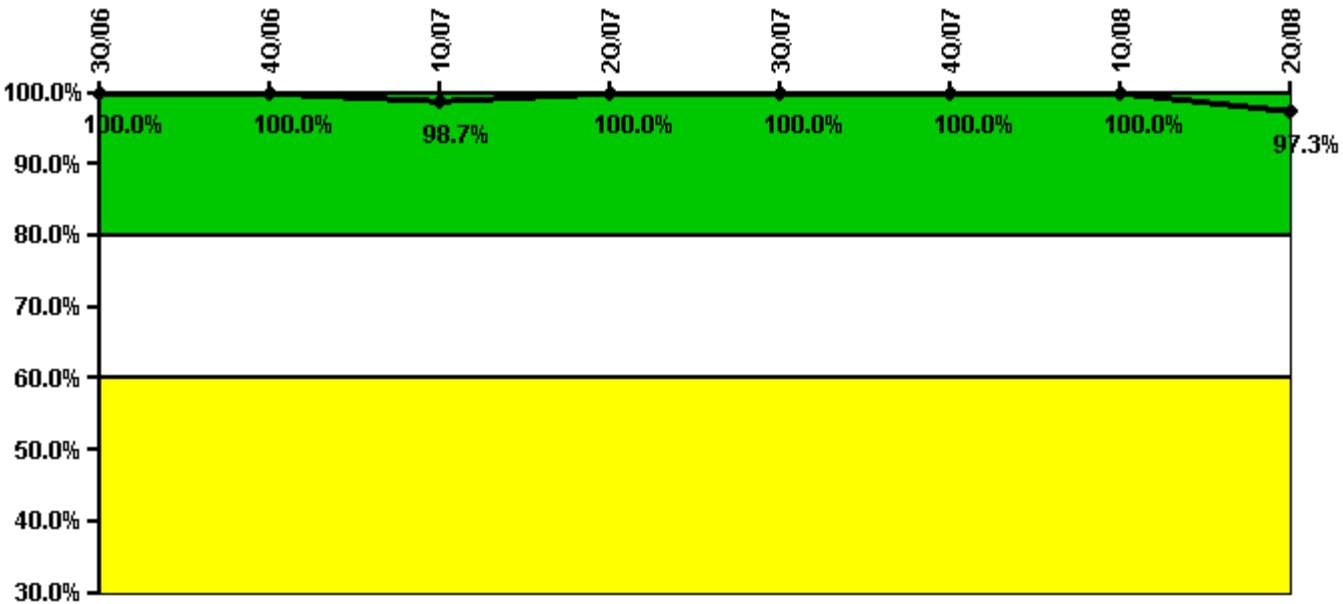
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	38.0	44.0	0	24.0	10.0	30.0	4.0	11.0
Total opportunities	38.0	48.0	0	26.0	10.0	32.0	4.0	12.0
Indicator value	96.1%	94.4%	94.0%	93.8%	93.5%	95.0%	94.9%	94.7%

Licensee Comments: none

ERO Drill Participation



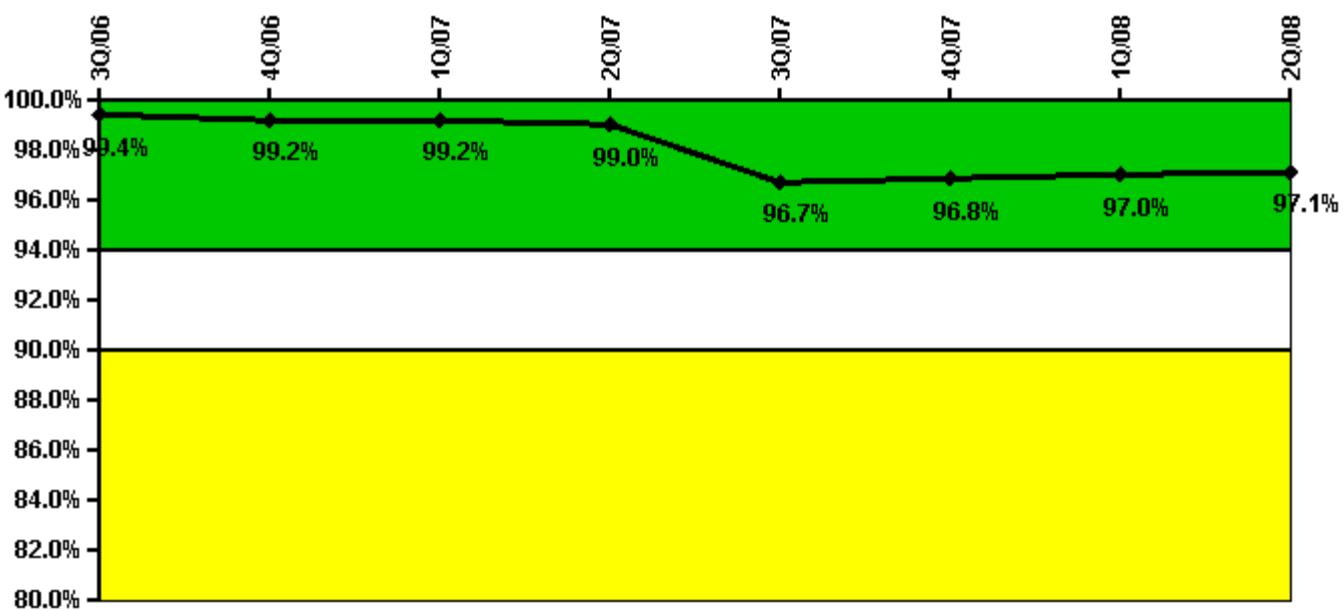
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	82.0	81.0	75.0	82.0	93.0	88.0	83.0	73.0
Total Key personnel	82.0	81.0	76.0	82.0	93.0	88.0	83.0	75.0
Indicator value	100.0%	100.0%	98.7%	100.0%	100.0%	100.0%	100.0%	97.3%

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	854	855	750	854	779	964	754	753
Total sirens-tests	861	864	756	864	864	972	756	756
Indicator value	99.4%	99.2%	99.2%	99.0%	96.7%	96.8%	97.0%	97.1%

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](#)

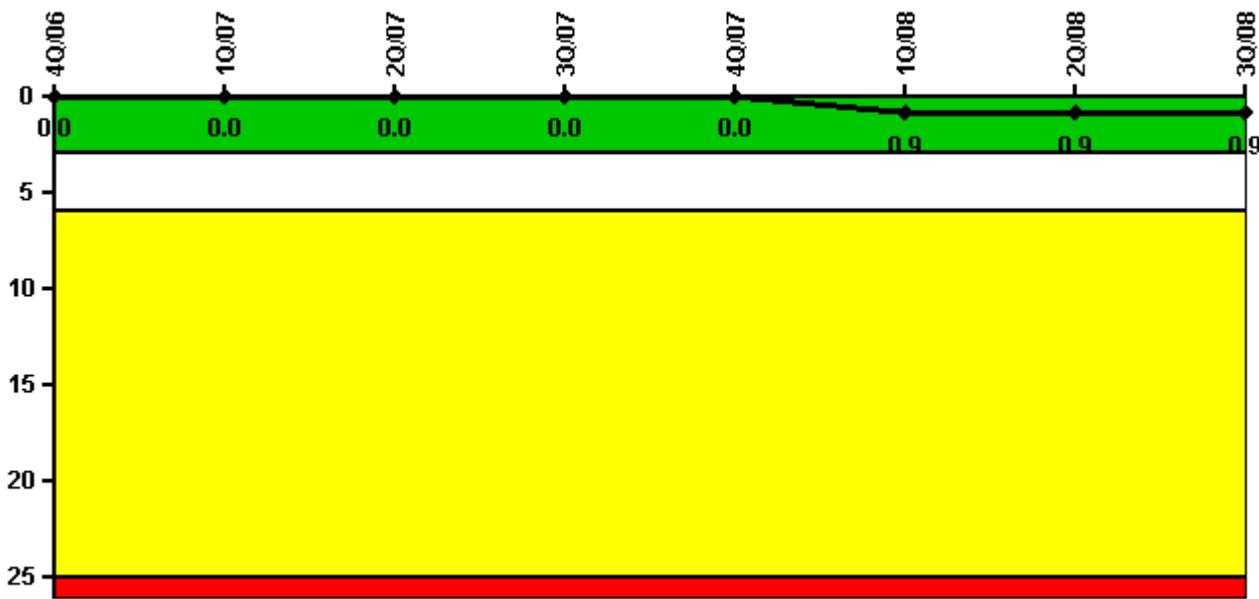
Last Modified: August 4, 2008

Sequoyah 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



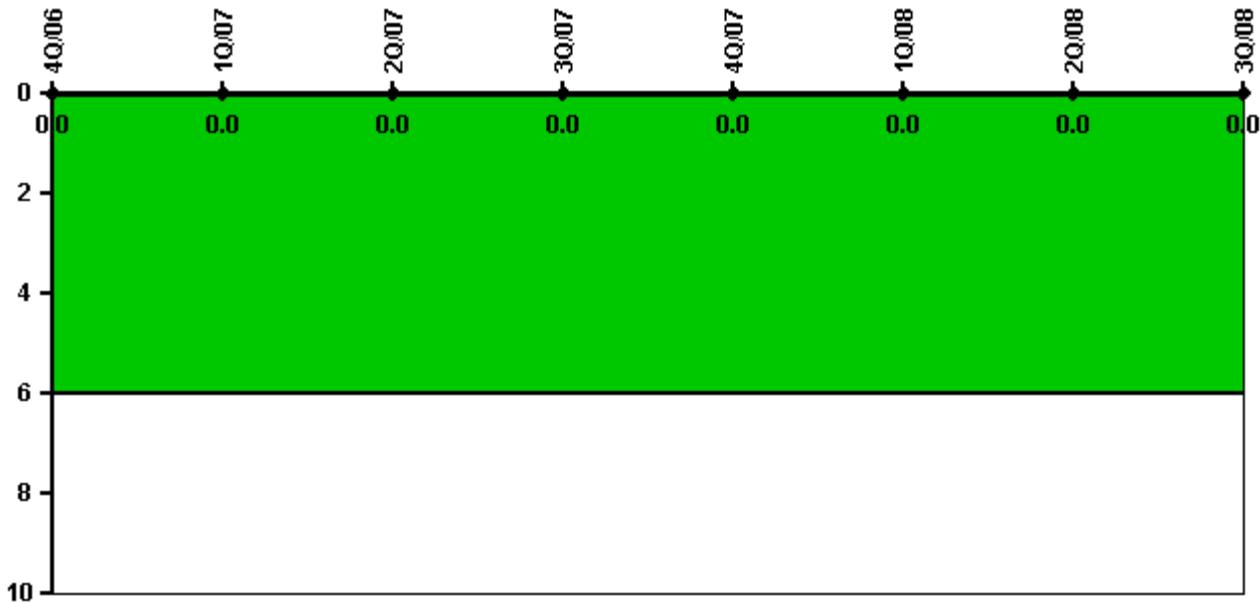
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



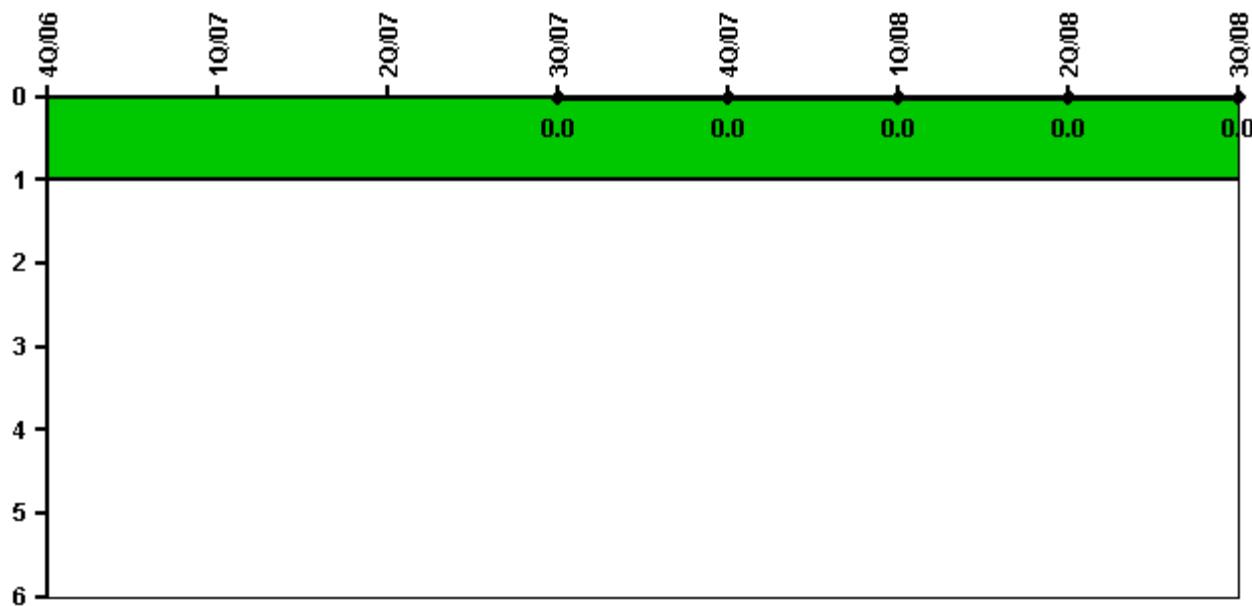
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



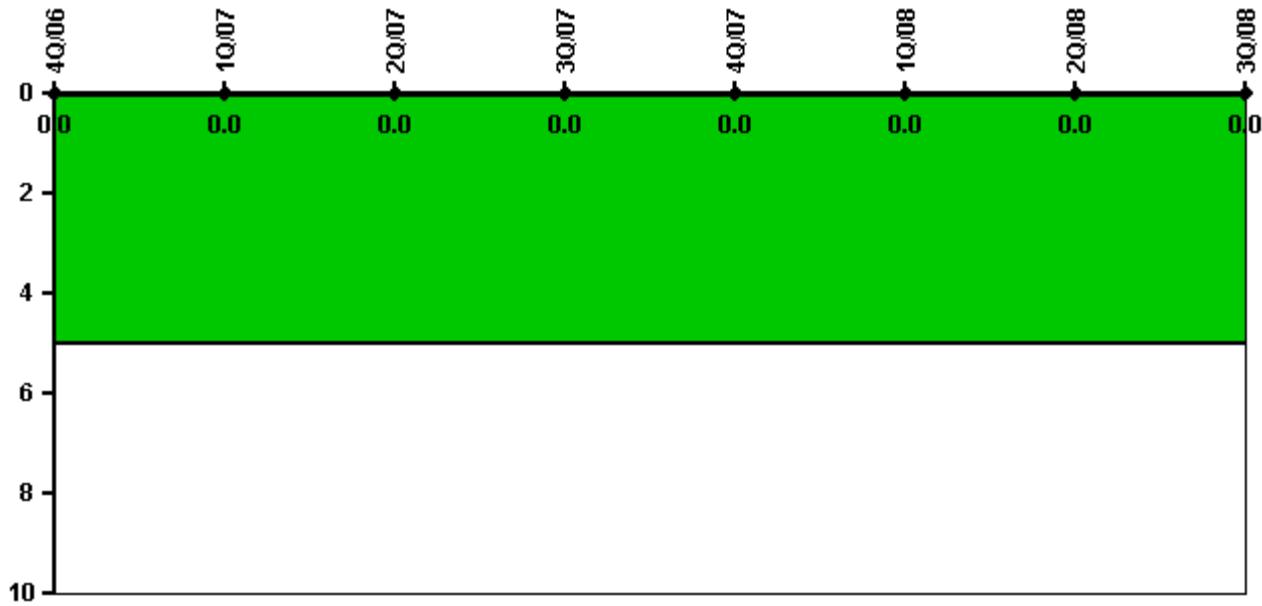
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



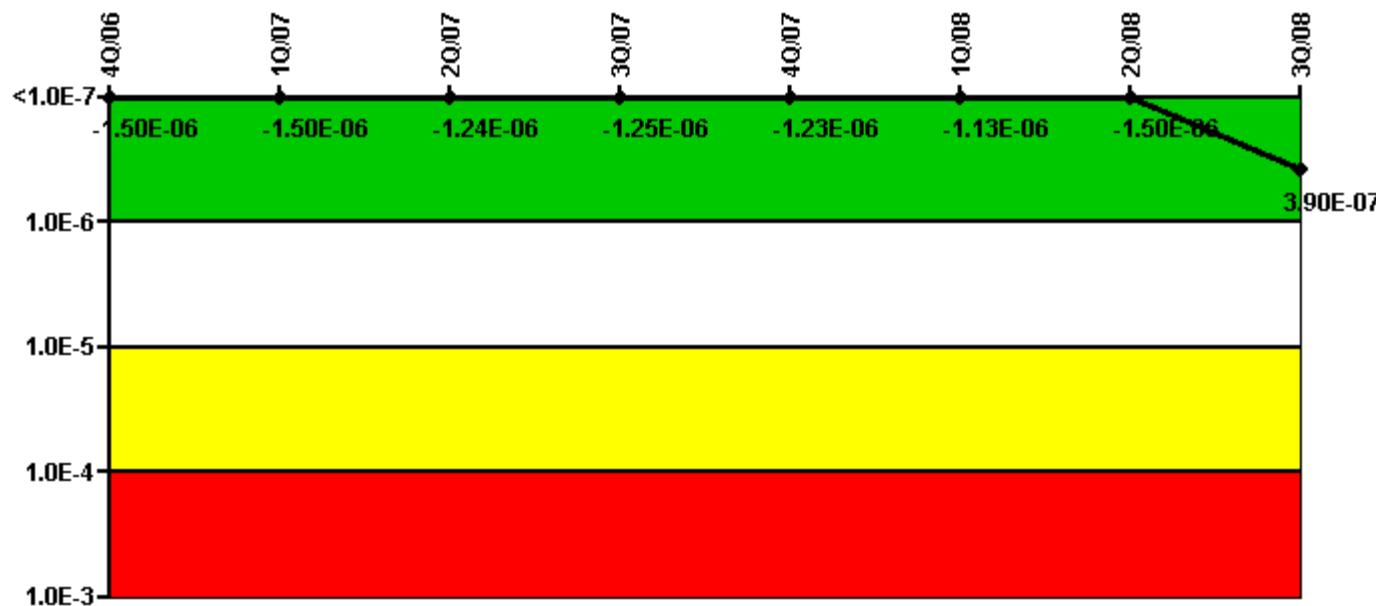
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	0	0	0	0	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)	-2.00E-07	-2.00E-07	1.60E-07	1.50E-07	1.70E-07	1.70E-07	-2.00E-07	-2.90E-07
URI (Δ CDF)	-1.30E-06	-1.30E-06	-1.40E-06	-1.40E-06	-1.40E-06	-1.30E-06	-1.30E-06	6.80E-07
PLE	NO	NO						
Indicator value	-1.50E-06	-1.50E-06	-1.24E-06	-1.25E-06	-1.23E-06	-1.13E-06	-1.50E-06	3.90E-07

Licensee Comments:

3Q/08: The risk cap is not invoked.

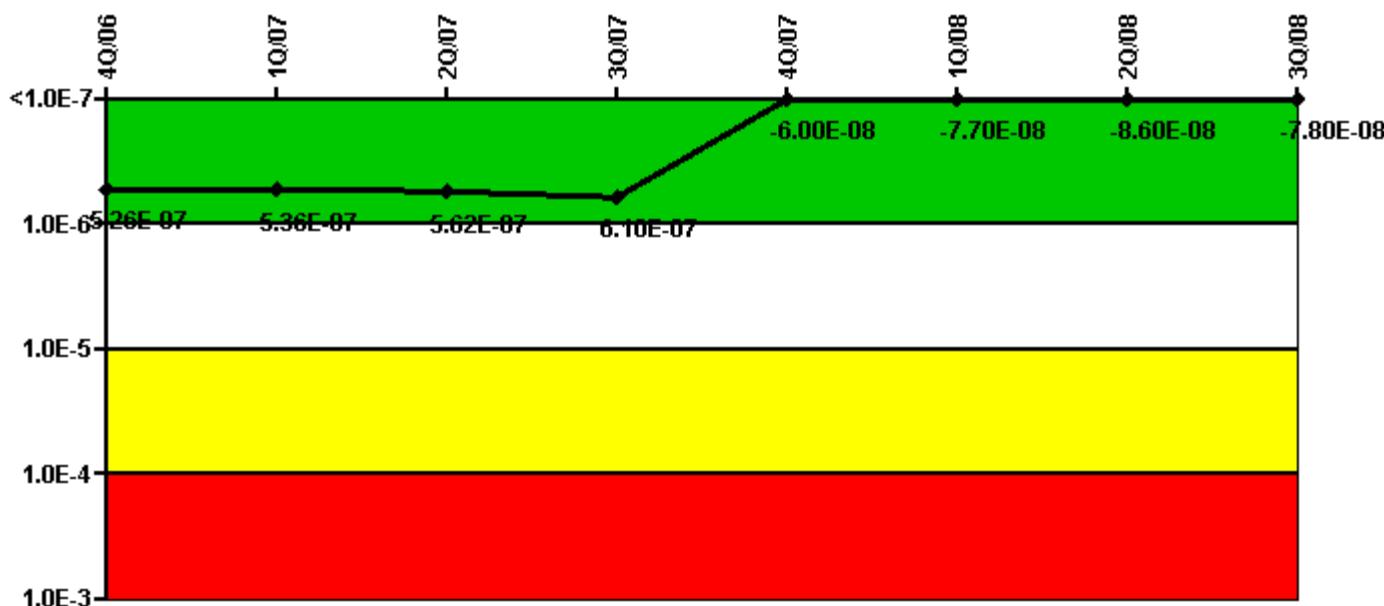
2Q/08: Risk Cap Invoked. Revised all quarterly data within the 3 yr reporting window for the following corrections. Planned unavailable hours due to SSPS testing on U1 were removed from the U2 indicator and vice versa. Unavailable hours included while the applicable unit was not critical were subtracted. Also, baseline planned unavailability was updated for these same conditions. These changes made in accordance with Sequoyah PER 135288. BPK7/11/08

1Q/08: Risk Cap Invoked. An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

4Q/07: Risk Cap Invoked. The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. failure record 1088 updated for MSPI failure no. Failed components were outside the monitoring boundary. BPK 1/16/08

Mitigating Systems Performance Index, High Pressure Injection System



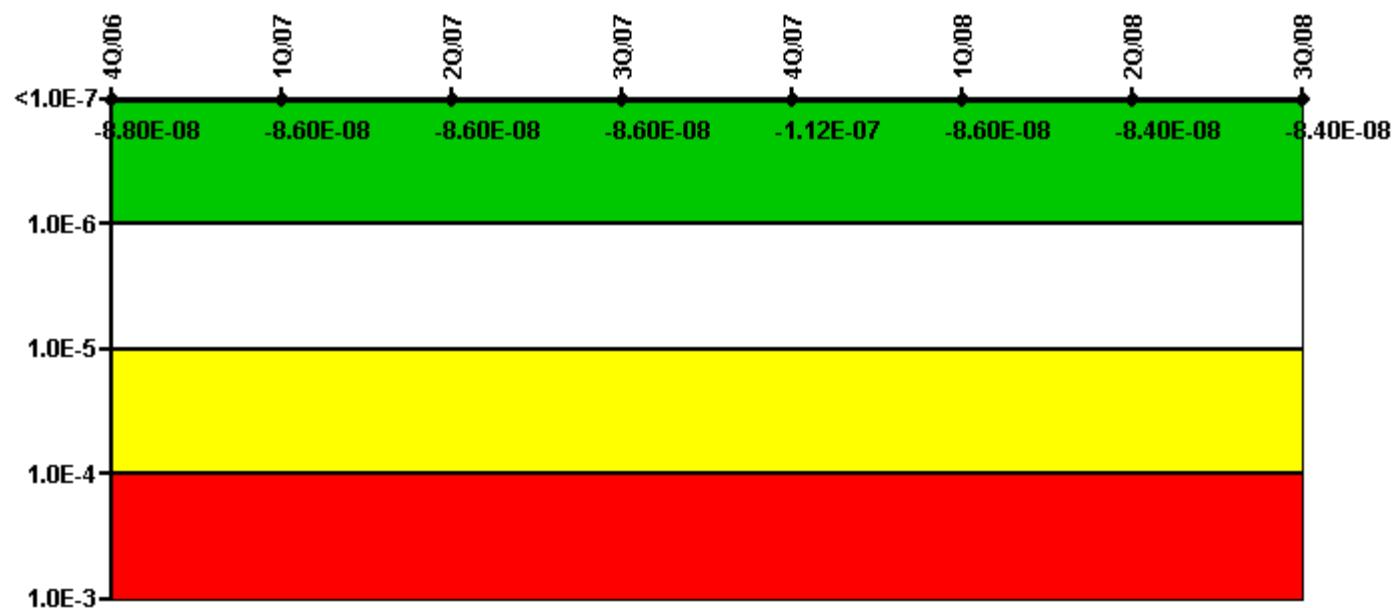
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	2.60E-08	3.60E-08	6.20E-08	1.10E-07	1.10E-07	9.30E-08	8.40E-08	9.20E-08
URI (Δ CDF)	5.00E-07	5.00E-07	5.00E-07	5.00E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.26E-07	5.36E-07	5.62E-07	6.10E-07	-6.00E-08	-7.70E-08	-8.60E-08	-7.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



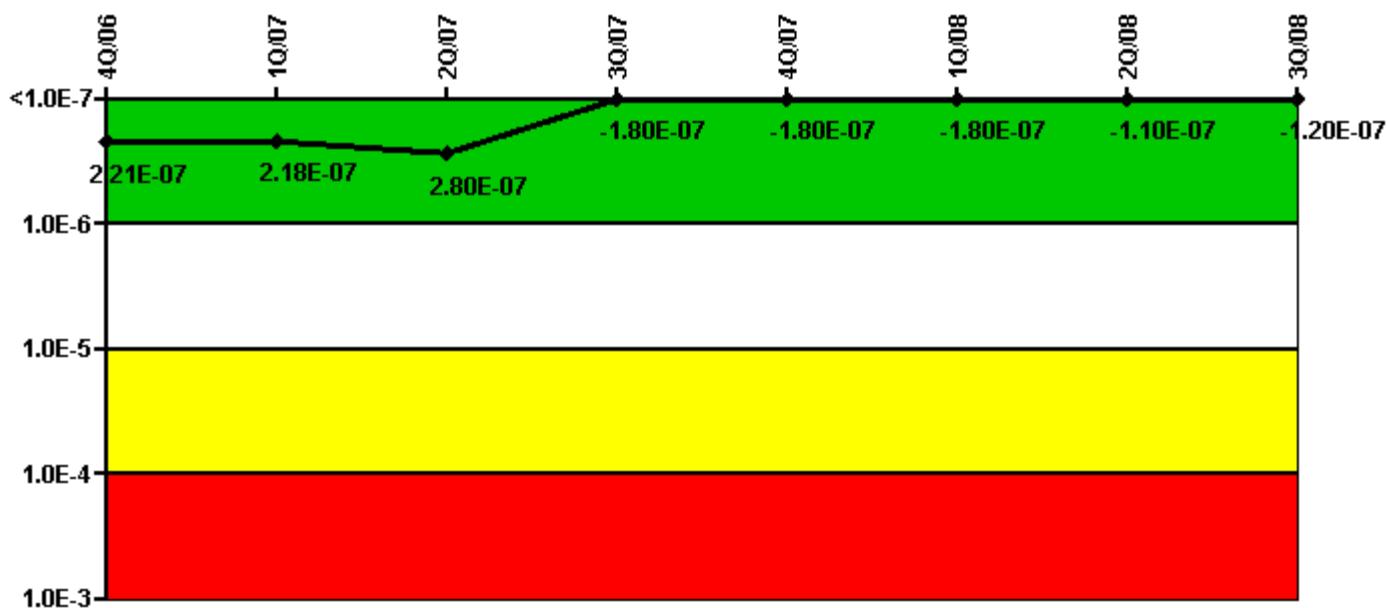
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (Δ CDF)	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-8.90E-08	-6.60E-08	-6.40E-08	-6.40E-08
PLE	NO							
Indicator value	-8.80E-08	-8.60E-08	-8.60E-08	-8.60E-08	-1.12E-07	-8.60E-08	-8.40E-08	-8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



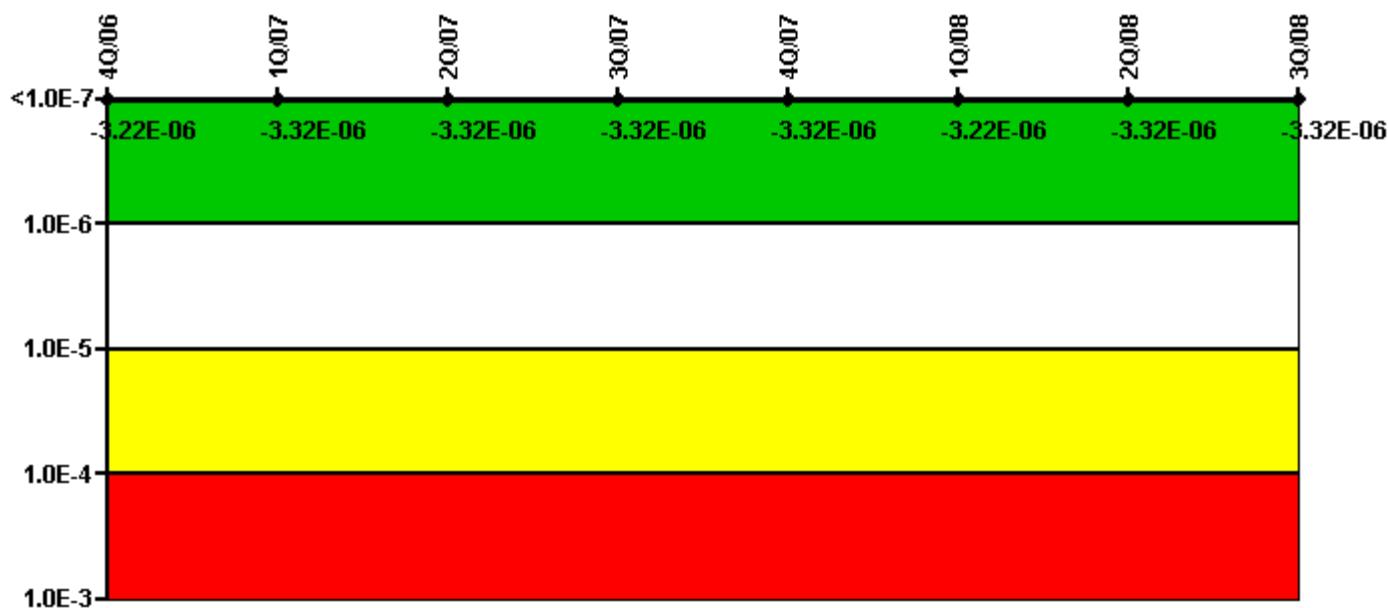
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	9.10E-08	8.80E-08	1.50E-07	1.90E-07	1.90E-07	1.90E-07	2.60E-07	2.50E-07
URI (Δ CDF)	1.30E-07	1.30E-07	1.30E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.21E-07	2.18E-07	2.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.10E-07	-1.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

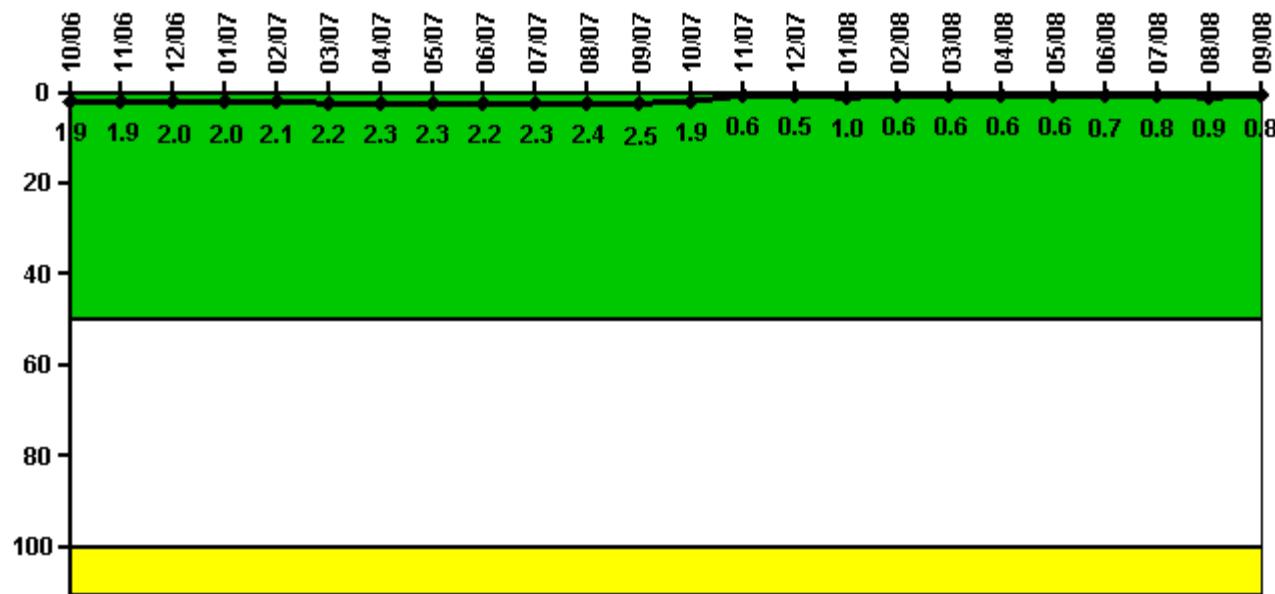
Notes

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)	-3.00E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.00E-06	-3.10E-06	-3.10E-06
URI (Δ CDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.22E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.22E-06	-3.32E-06	-3.32E-06

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Adjusted planned unavailability baselines for non-routine planned maintenance on ERCW pumps.

Reactor Coolant System Activity



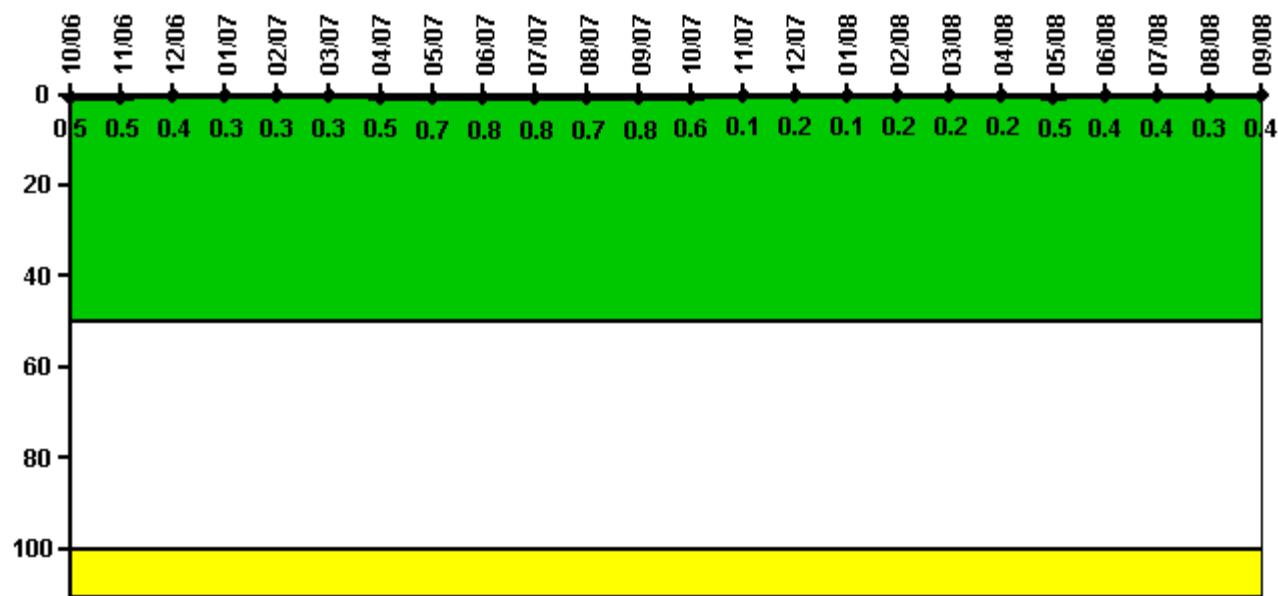
Thresholds: White > 50.0 Yellow > 100.0

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	0.006689	0.006602	0.007064	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.9	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.2	2.3	2.4	2.5
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	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.9	0.6	0.5	1.0	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.8

Licensee Comments: none

Reactor Coolant System Leakage



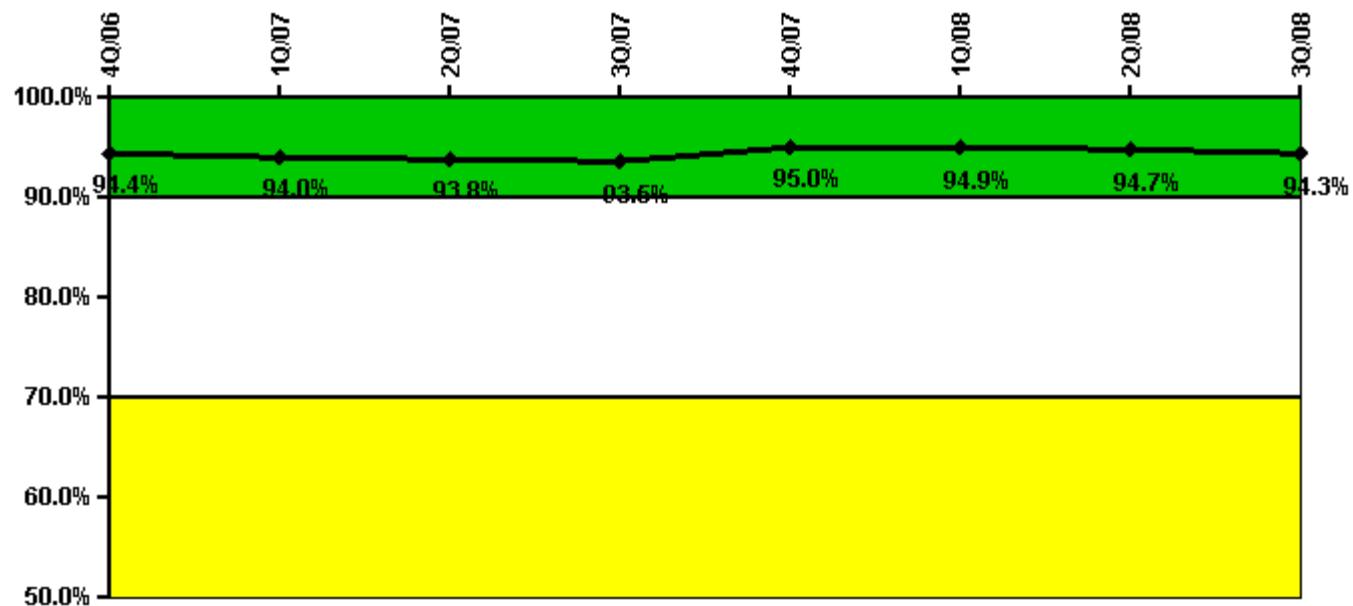
Thresholds: White > 50.0 Yellow > 100.0

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

Licensee Comments: none

Drill/Exercise Performance



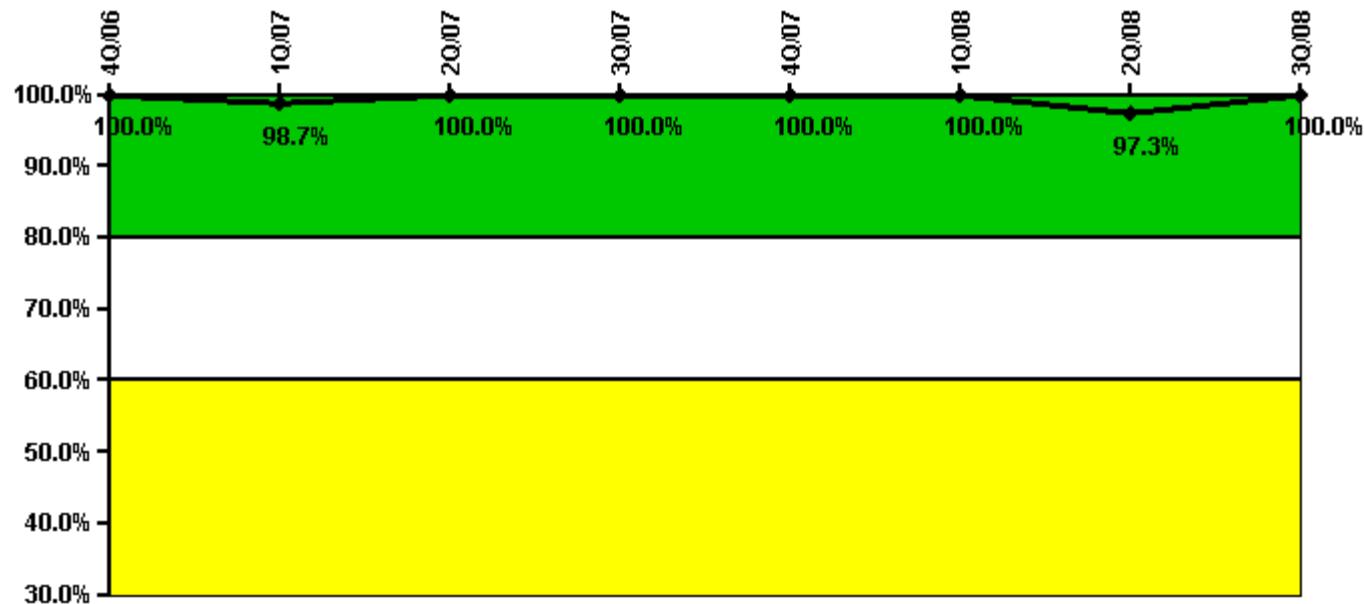
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	44.0	0	24.0	10.0	30.0	4.0	11.0	42.0
Total opportunities	48.0	0	26.0	10.0	32.0	4.0	12.0	43.0
Indicator value	94.4%	94.0%	93.8%	93.5%	95.0%	94.9%	94.7%	94.3%

Licensee Comments: none

ERO Drill Participation



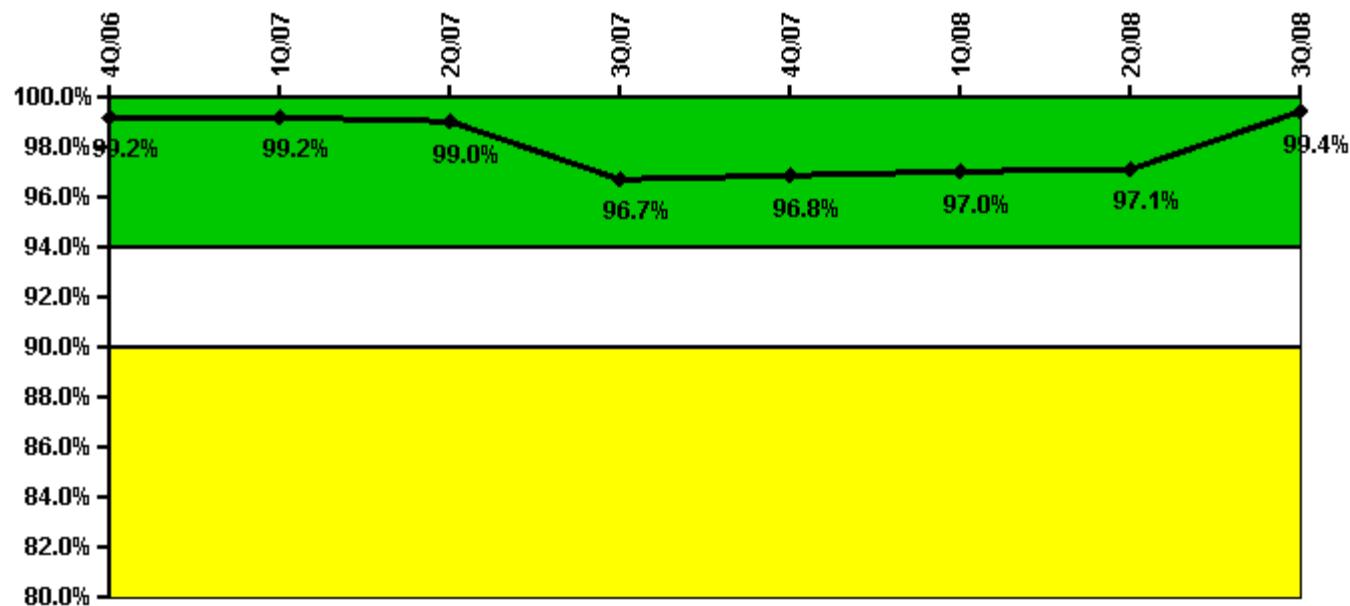
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	81.0	75.0	82.0	93.0	88.0	83.0	73.0	87.0
Total Key personnel	81.0	76.0	82.0	93.0	88.0	83.0	75.0	87.0
Indicator value	100.0%	98.7%	100.0%	100.0%	100.0%	100.0%	97.3%	100.0%

Licensee Comments: none

Alert & Notification System



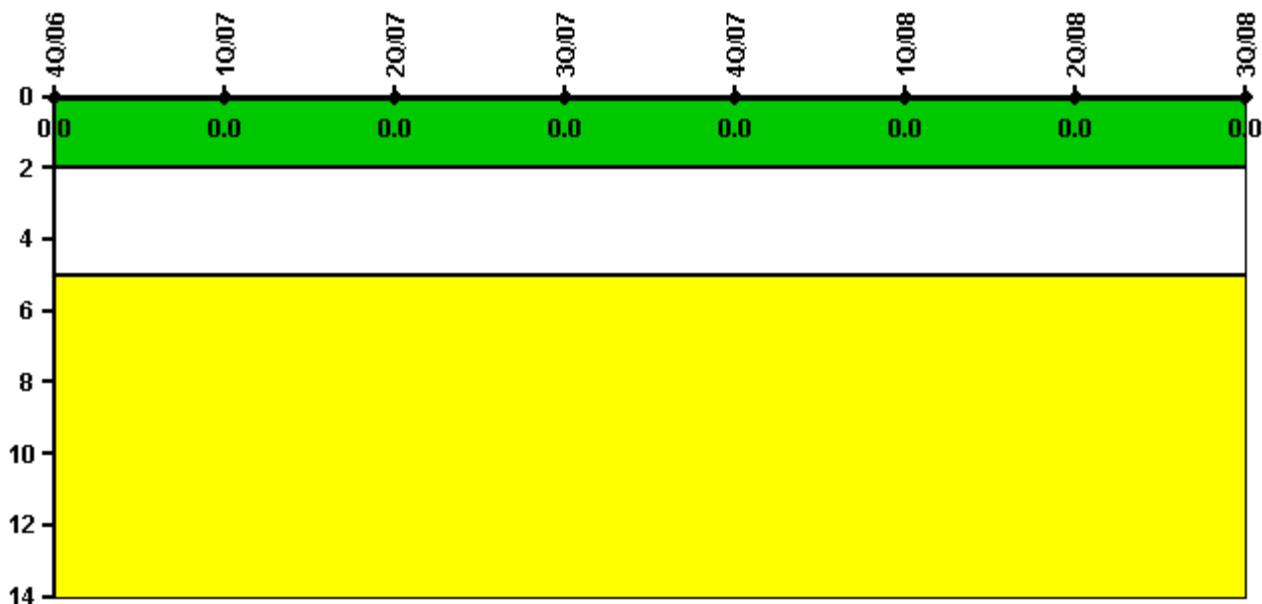
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	855	750	854	779	964	754	753	751
Total sirens-tests	864	756	864	864	972	756	756	756
Indicator value	99.2%	99.2%	99.0%	96.7%	96.8%	97.0%	97.1%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



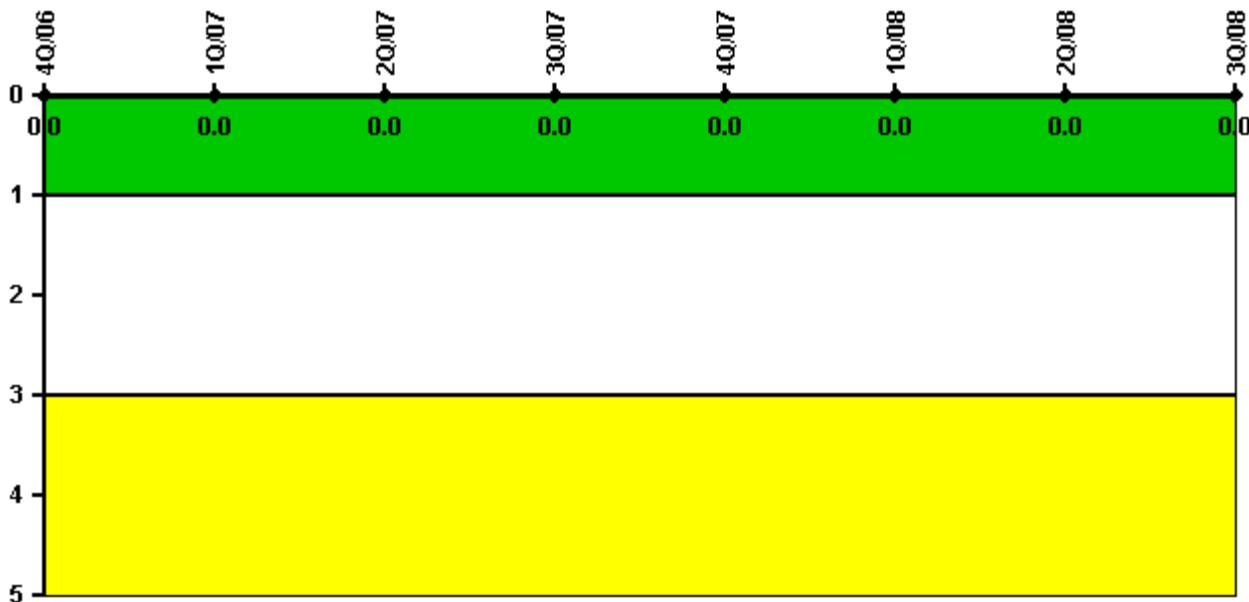
Thresholds: White > 2.0 Yellow > 5.0

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](#)

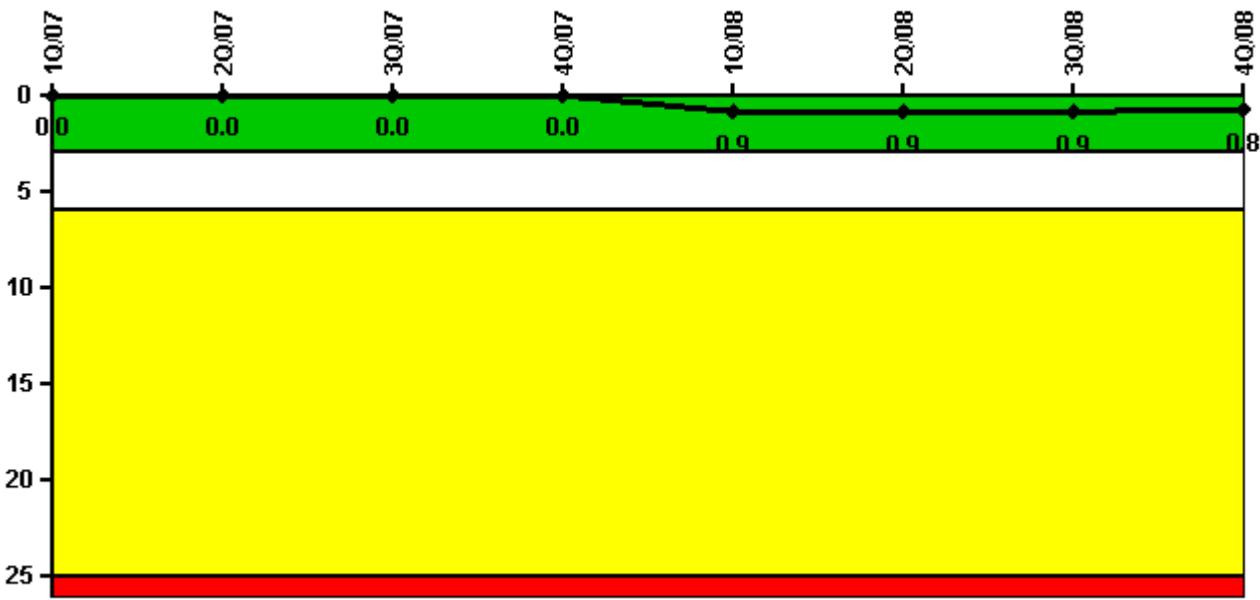
Last Modified: November 26, 2008

Sequoyah 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



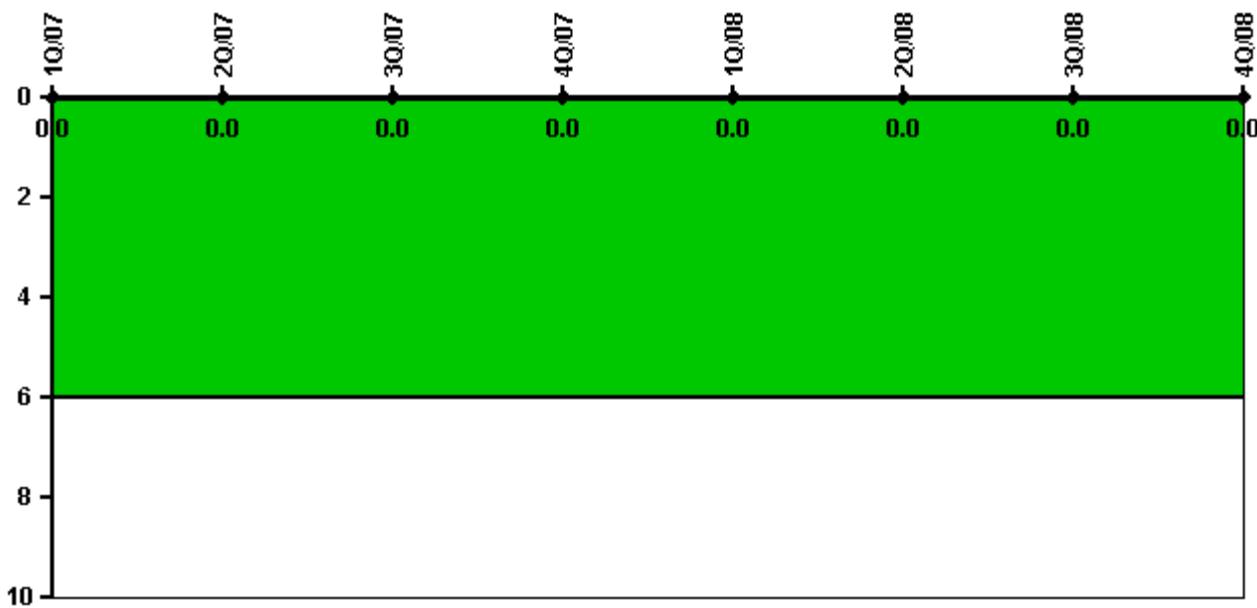
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



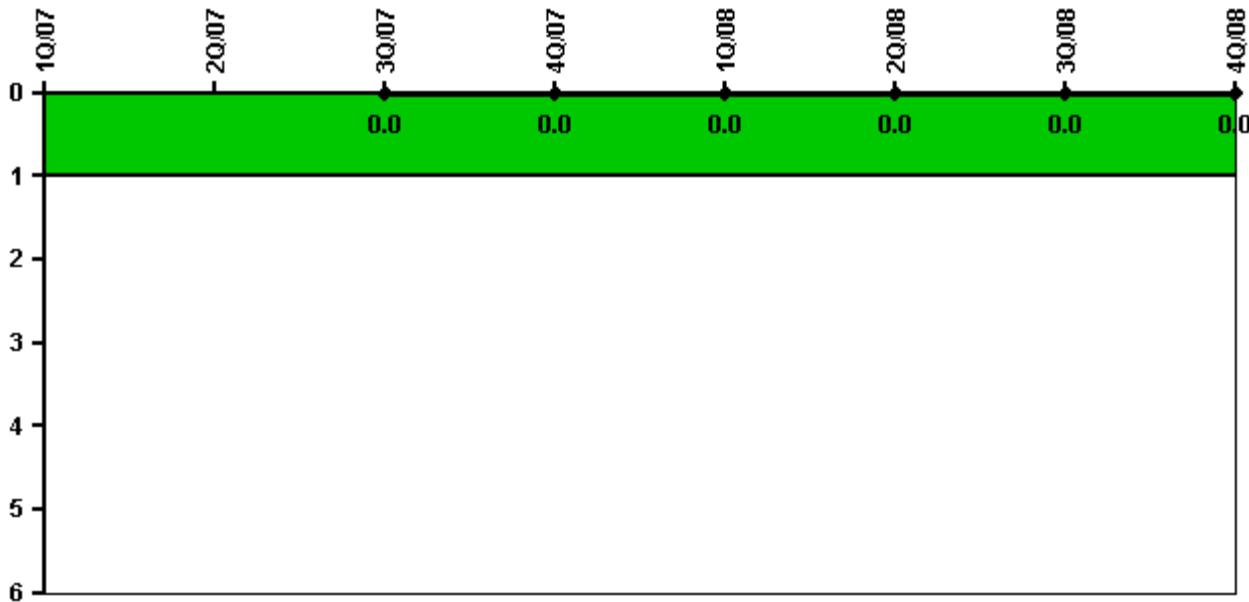
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



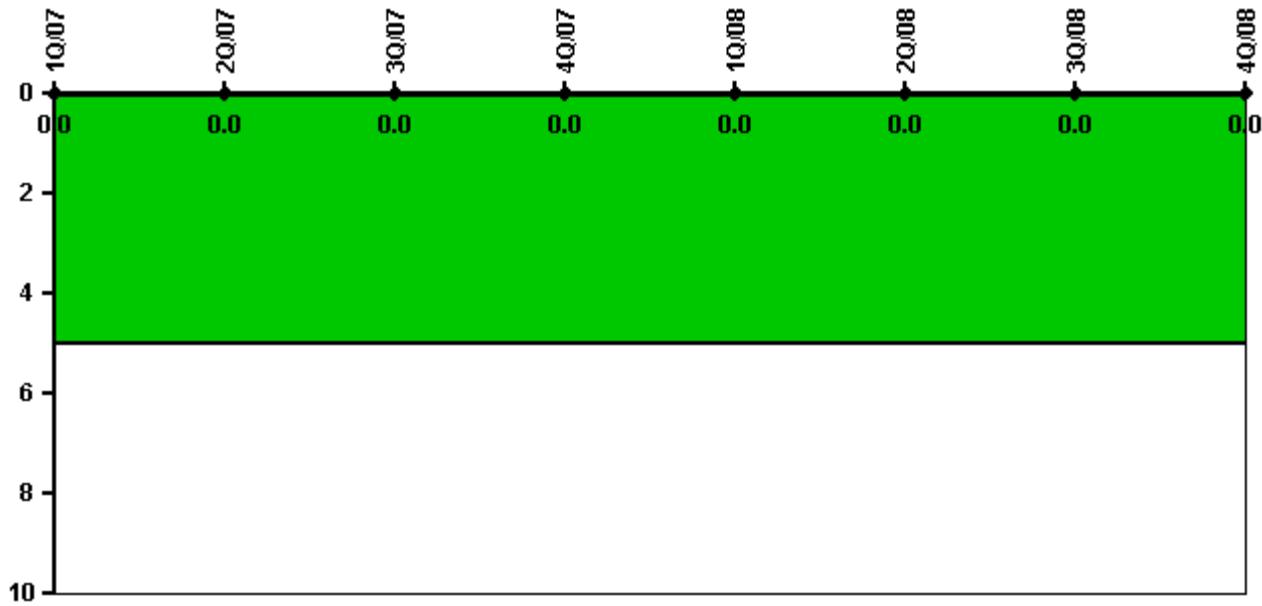
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/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)



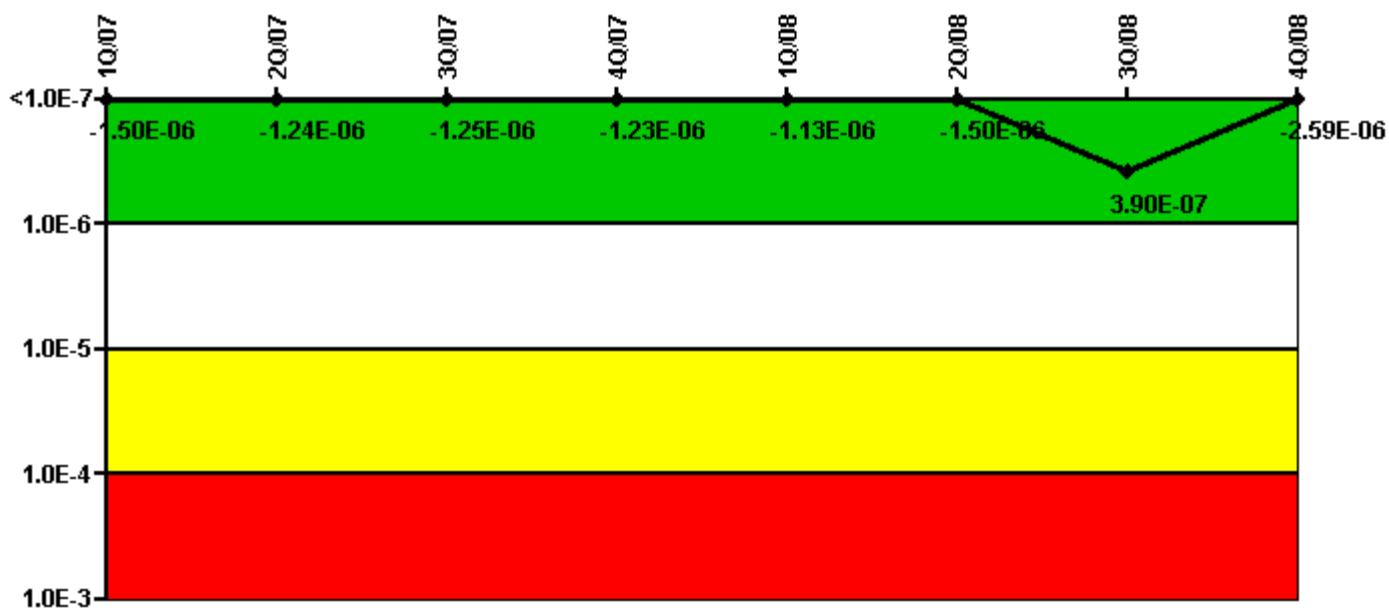
Thresholds: White > 5.0

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



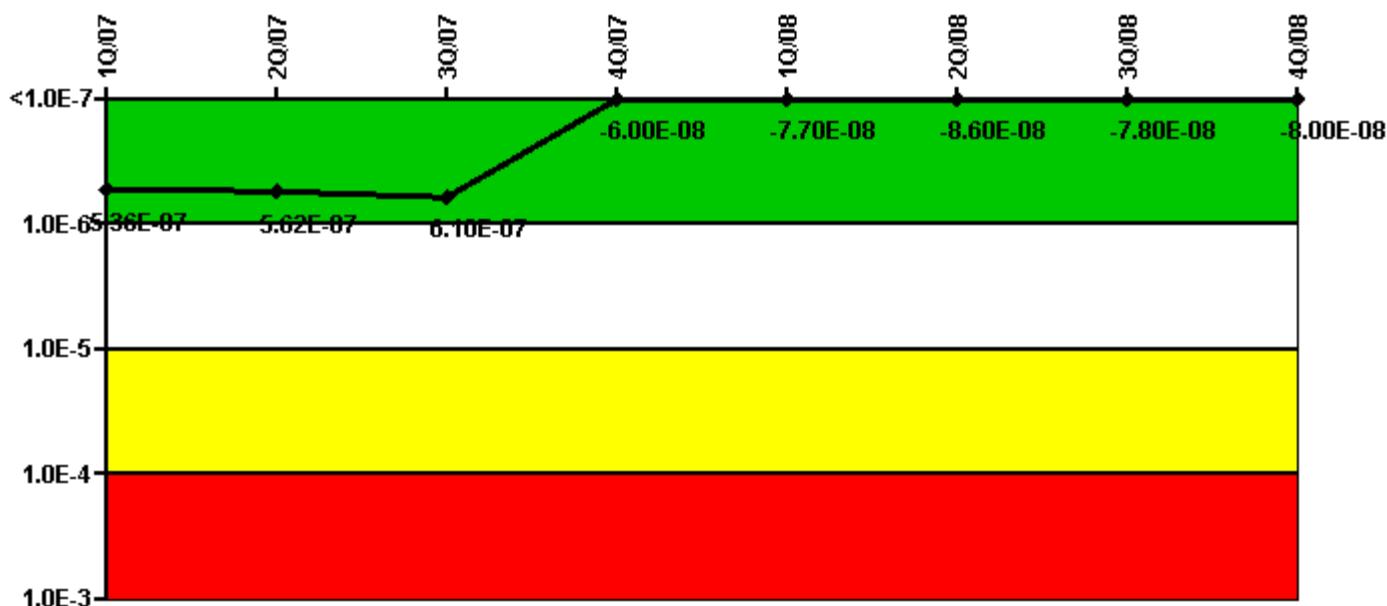
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.00E-07	1.60E-07	1.50E-07	1.70E-07	1.70E-07	-2.00E-07	-2.90E-07	-2.90E-07
URI (Δ CDF)	-1.30E-06	-1.40E-06	-1.40E-06	-1.40E-06	-1.30E-06	-1.30E-06	6.80E-07	-2.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-06	-1.24E-06	-1.25E-06	-1.23E-06	-1.13E-06	-1.50E-06	3.90E-07	-2.59E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



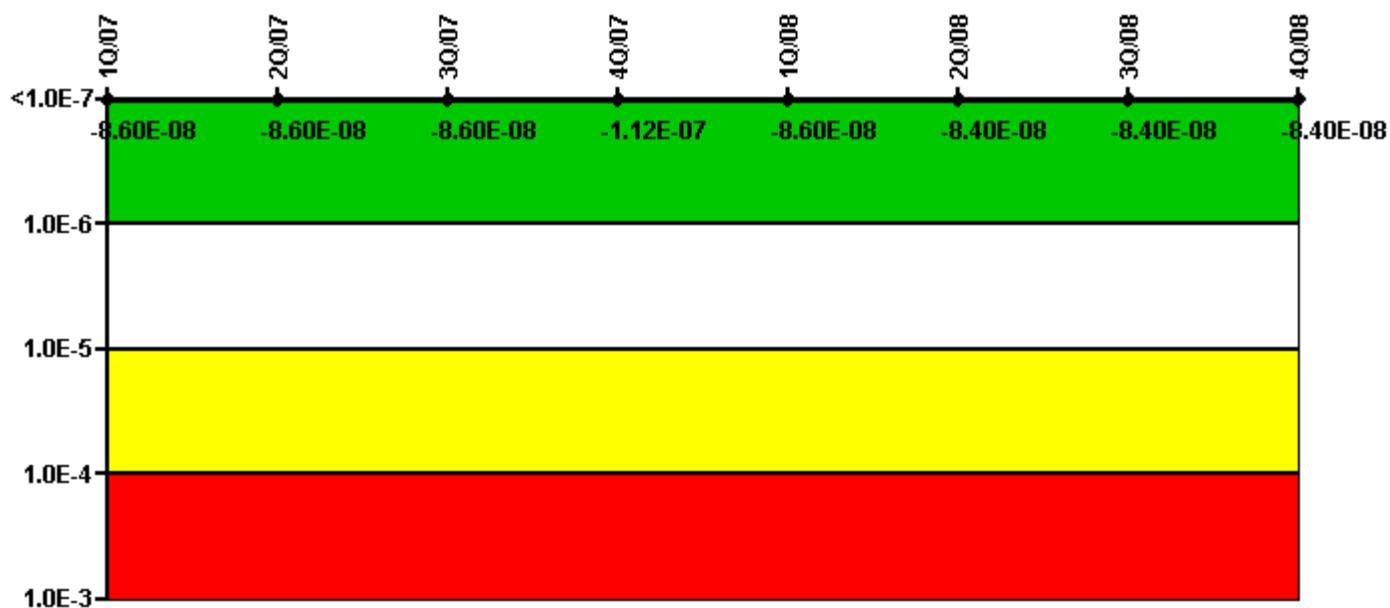
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	3.60E-08	6.20E-08	1.10E-07	1.10E-07	9.30E-08	8.40E-08	9.20E-08	9.00E-08
URI (ΔCDF)	5.00E-07	5.00E-07	5.00E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.36E-07	5.62E-07	6.10E-07	-6.00E-08	-7.70E-08	-8.60E-08	-7.80E-08	-8.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



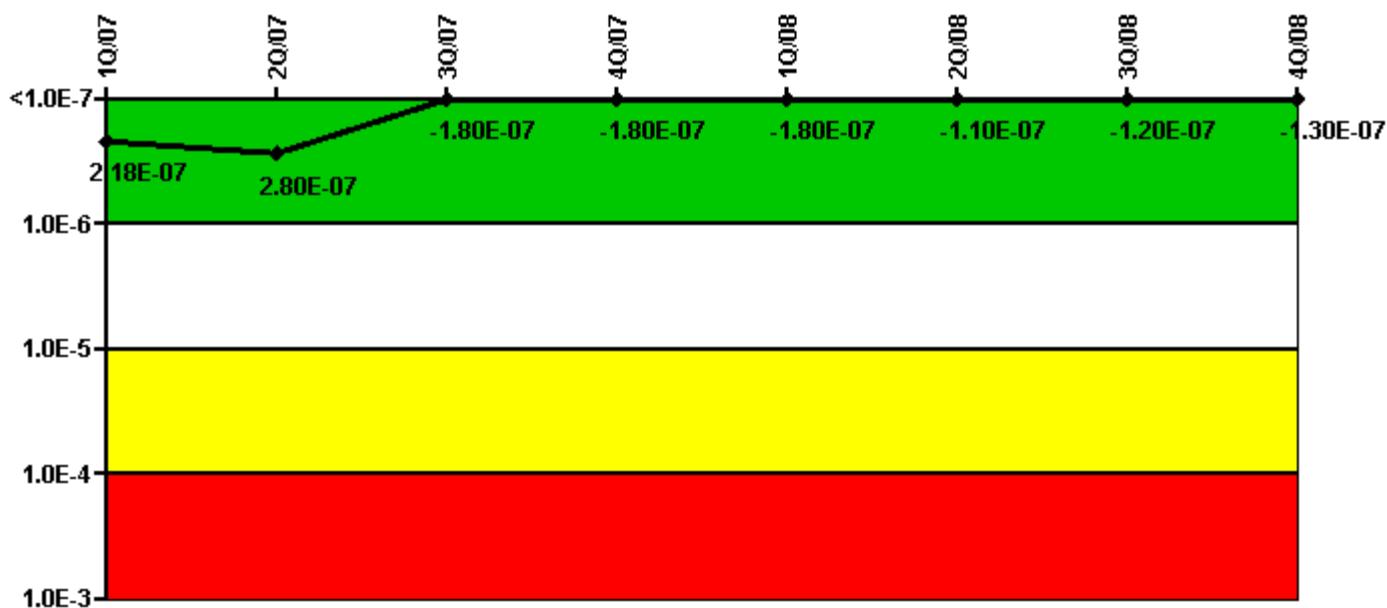
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)	-6.40E-08	-6.40E-08	-6.40E-08	-8.90E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08
PLE	NO							
Indicator value	-8.60E-08	-8.60E-08	-8.60E-08	-1.12E-07	-8.60E-08	-8.40E-08	-8.40E-08	-8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



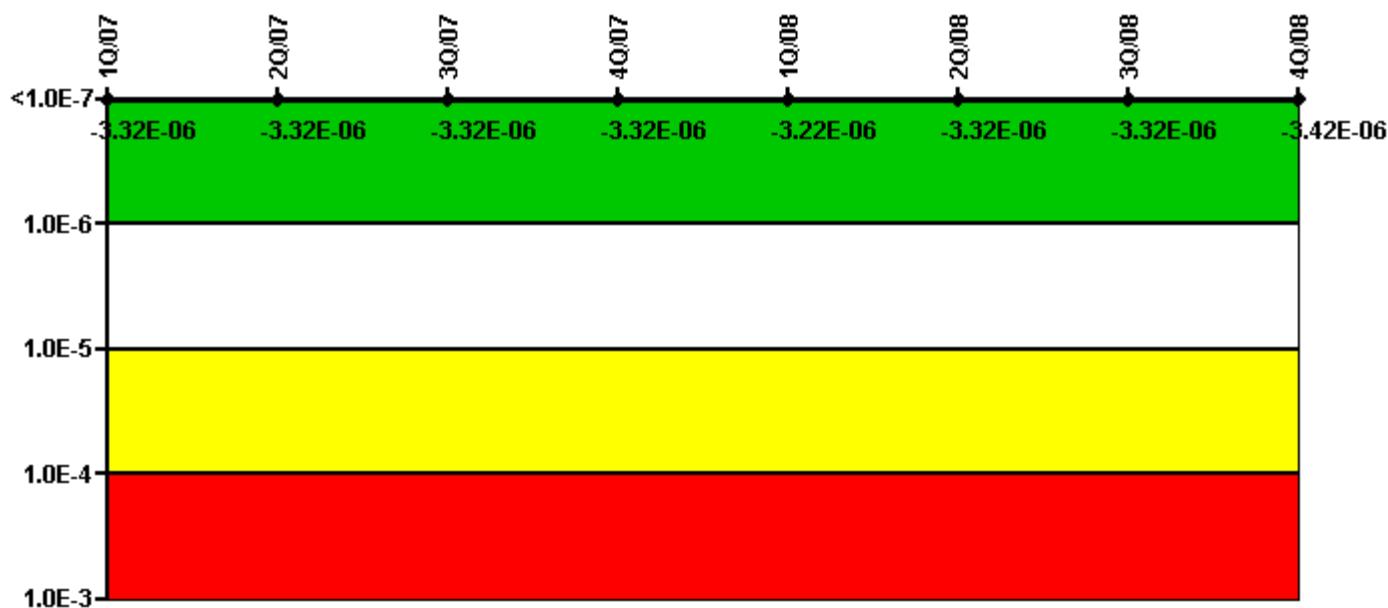
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	8.80E-08	1.50E-07	1.90E-07	1.90E-07	1.90E-07	2.60E-07	2.50E-07	2.40E-07
URI (ΔCDF)	1.30E-07	1.30E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.18E-07	2.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

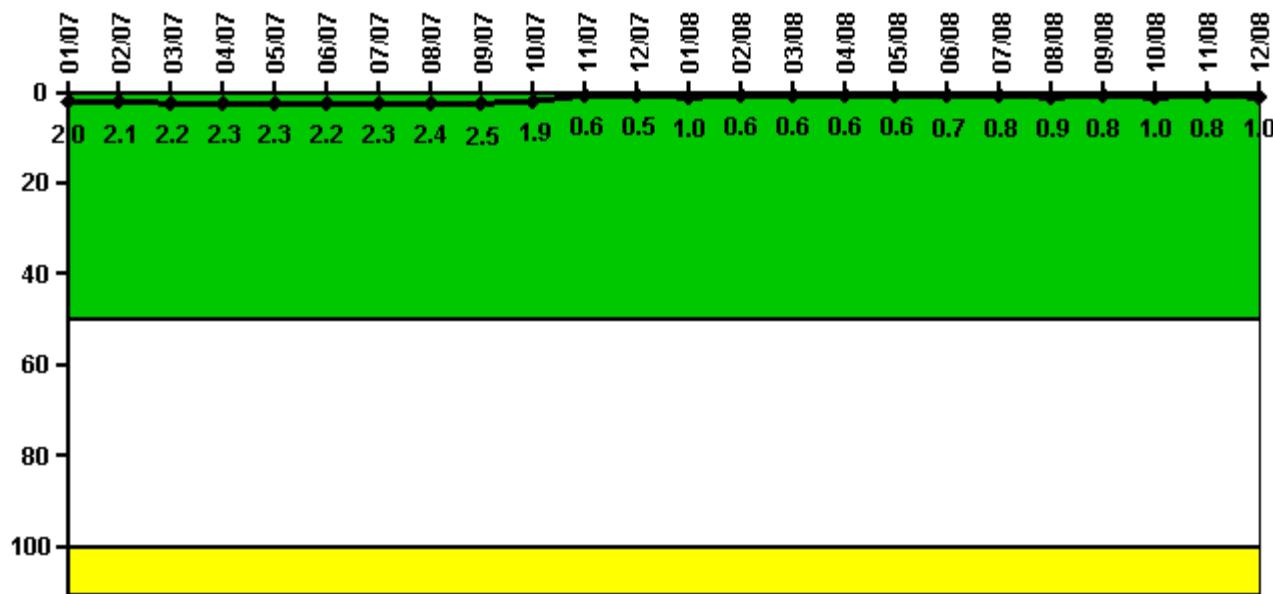
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-3.10E-06	-3.10E-06	-3.10E-06	-3.10E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.20E-06
URI (ΔCDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.32E-06	-3.32E-06	-3.32E-06	-3.32E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.42E-06

Licensee Comments:

4Q/08: Changed PRA Parameter(s).

Reactor Coolant System Activity



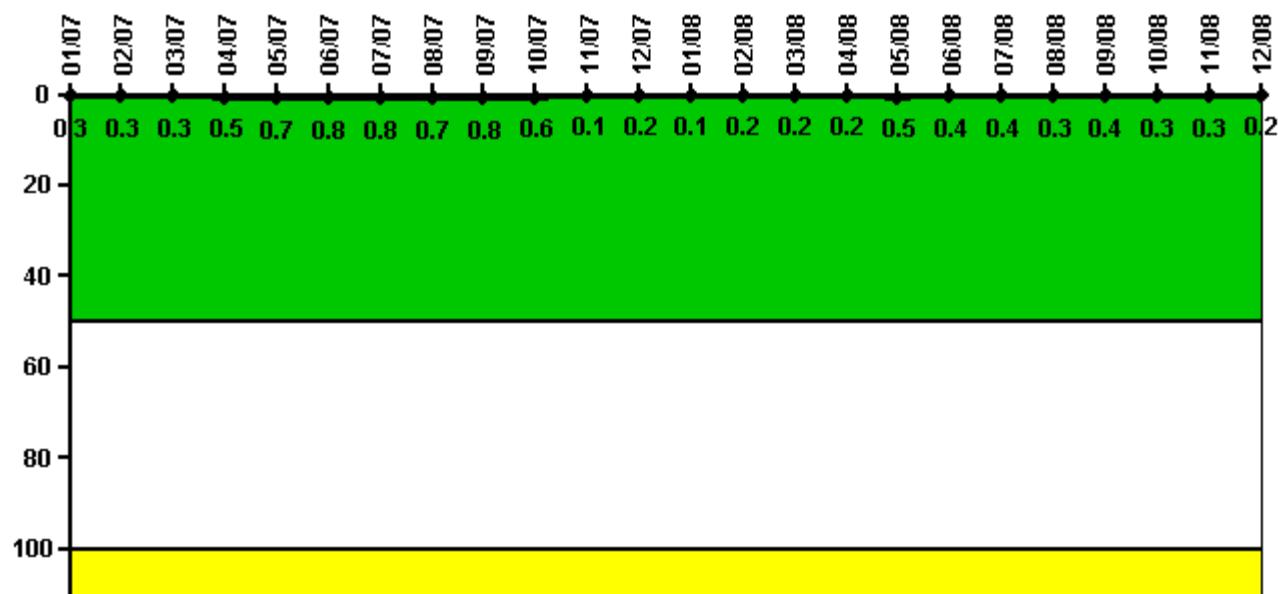
Thresholds: White > 50.0 Yellow > 100.0

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	0.007125	0.007427	0.007719	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.0	2.1	2.2	2.3	2.3	2.2	2.3	2.4	2.5	1.9	0.6	0.5
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	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.0	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.8	1.0	0.8	1.0

Licensee Comments: none

Reactor Coolant System Leakage



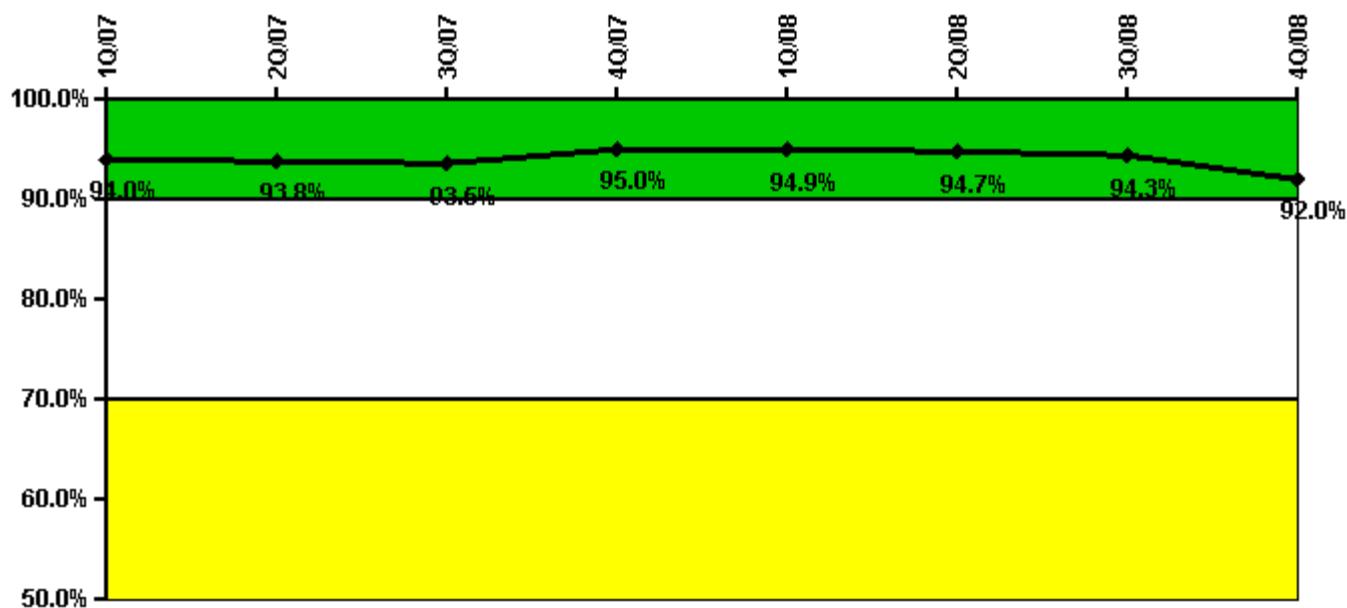
Thresholds: White > 50.0 Yellow > 100.0

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

Licensee Comments: none

Drill/Exercise Performance



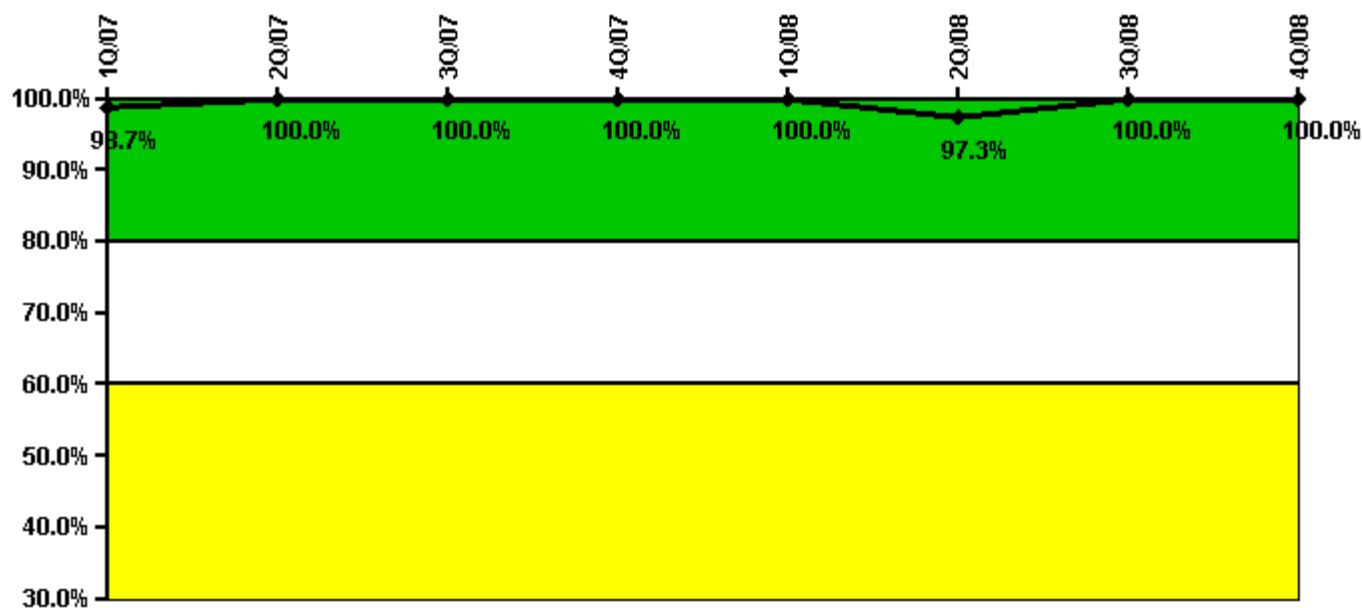
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	0	24.0	10.0	30.0	4.0	11.0	42.0	64.0
Total opportunities	0	26.0	10.0	32.0	4.0	12.0	43.0	74.0
Indicator value	94.0%	93.8%	93.5%	95.0%	94.9%	94.7%	94.3%	92.0%

Licensee Comments: none

ERO Drill Participation



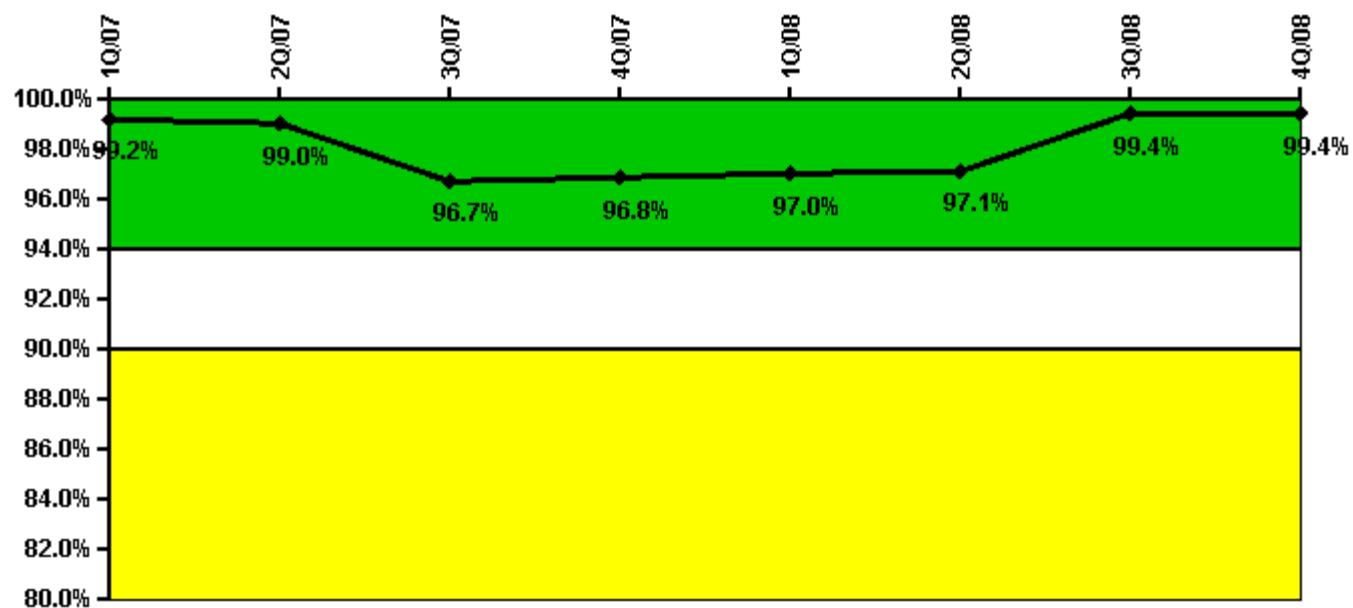
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	75.0	82.0	93.0	88.0	83.0	73.0	87.0	82.0
Total Key personnel	76.0	82.0	93.0	88.0	83.0	75.0	87.0	82.0
Indicator value	98.7%	100.0%	100.0%	100.0%	100.0%	97.3%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



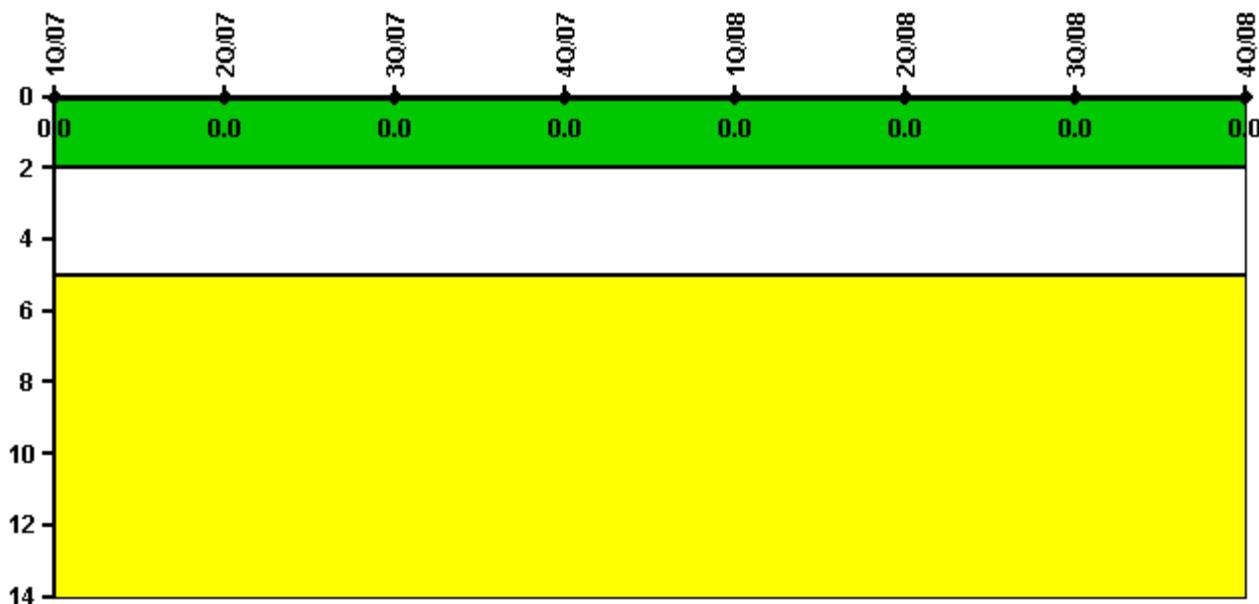
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	750	854	779	964	754	753	751	961
Total sirens-tests	756	864	864	972	756	756	756	972
Indicator value	99.2%	99.0%	96.7%	96.8%	97.0%	97.1%	99.4%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



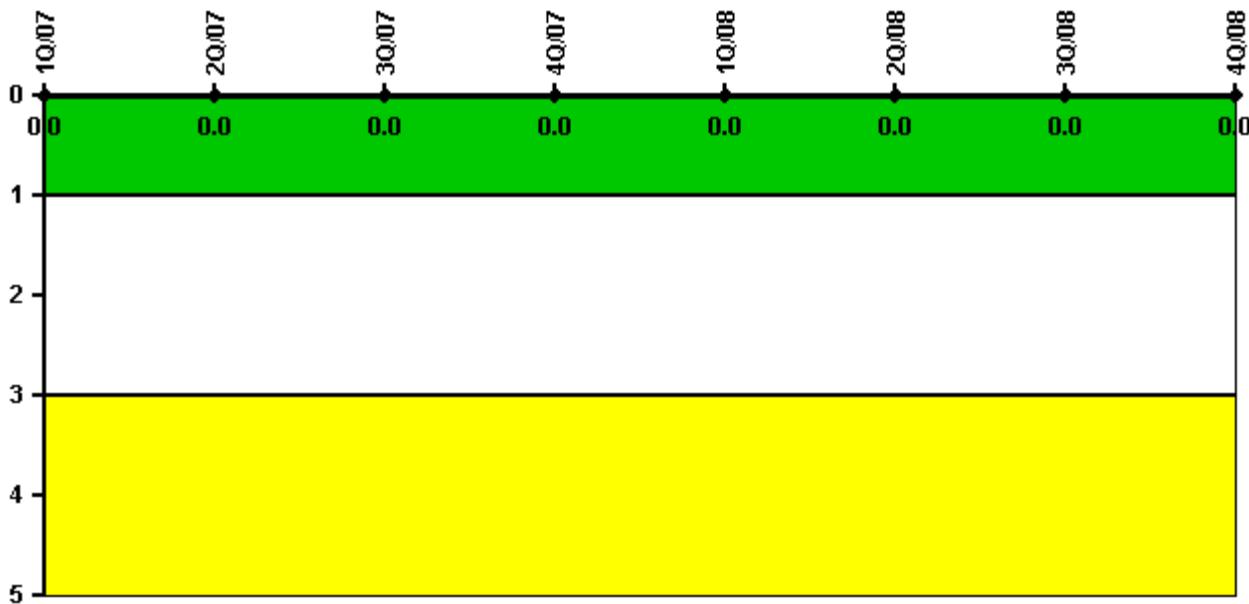
Thresholds: White > 2.0 Yellow > 5.0

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

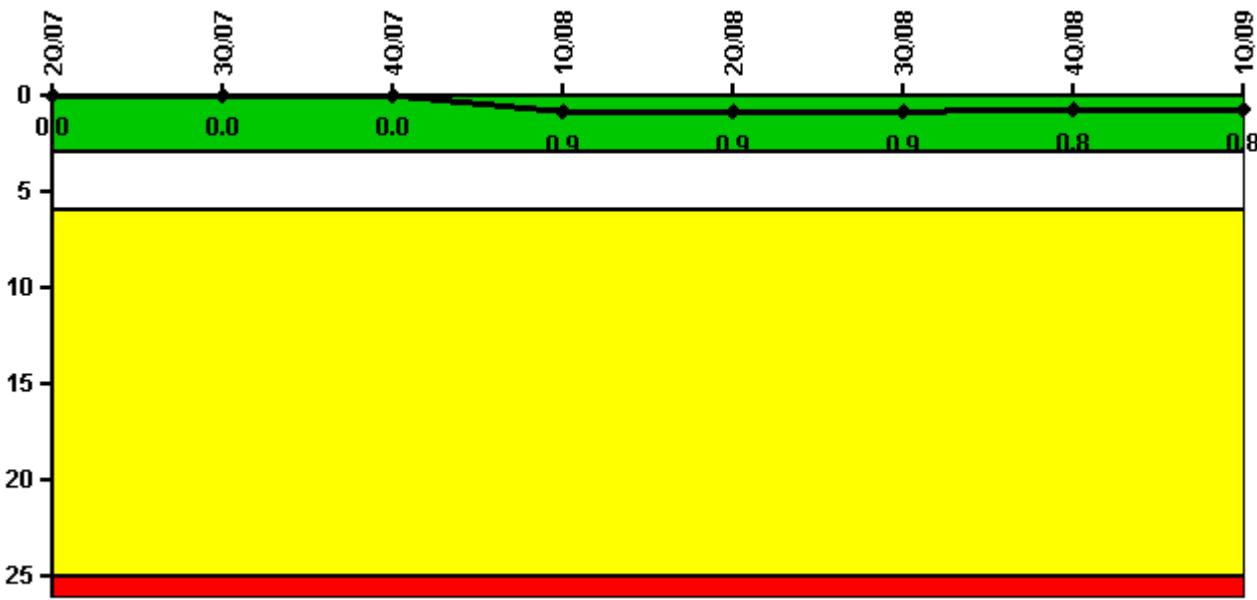
[Security](#) information not publicly available.

Sequoyah 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



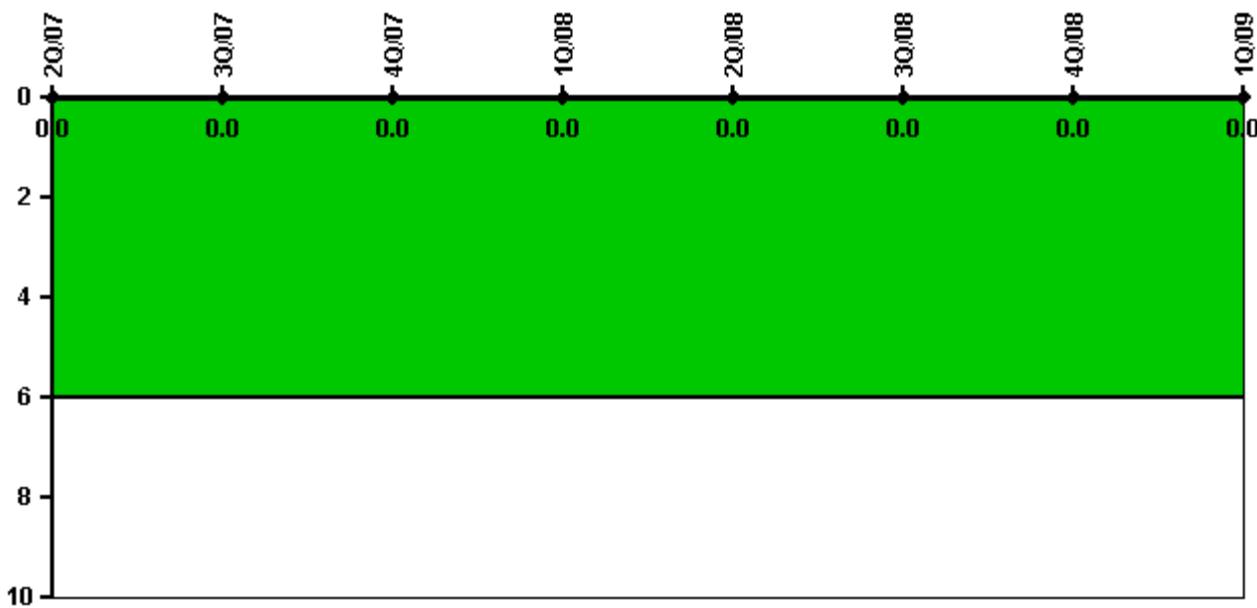
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0
Critical hours	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9
Indicator value	0	0	0	0.9	0.9	0.9	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

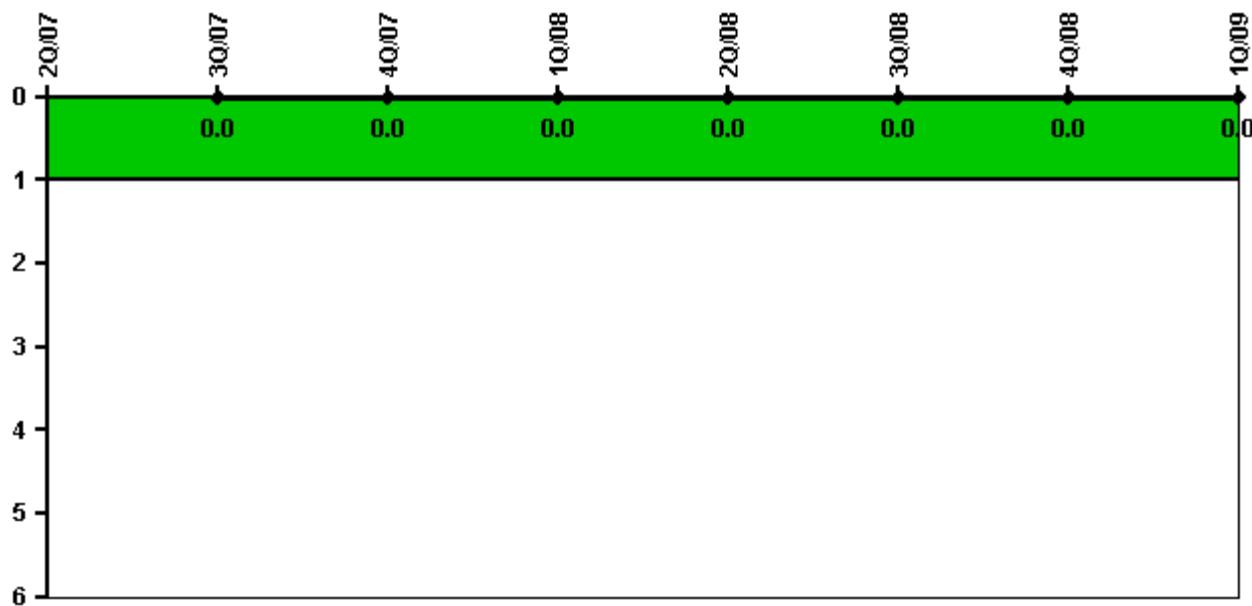
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

3Q/08: NRC approved a NOED on Sept. 26, 2008 precluding a unit shutdown.

Unplanned Scrams with Complications



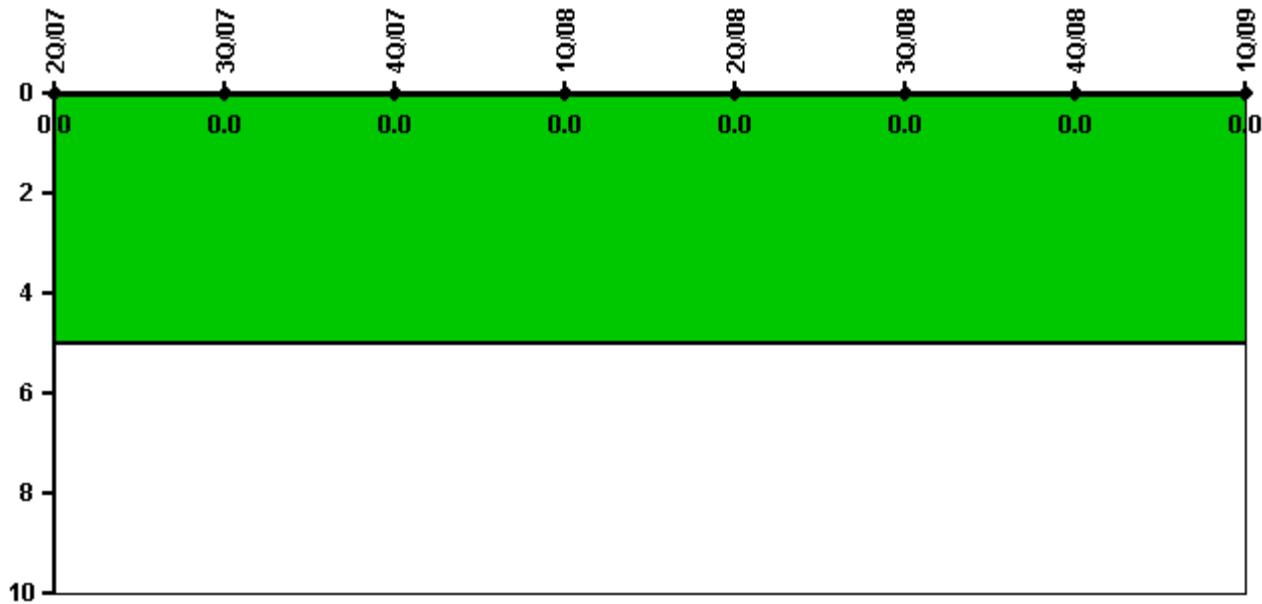
Thresholds: White > 1.0

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)



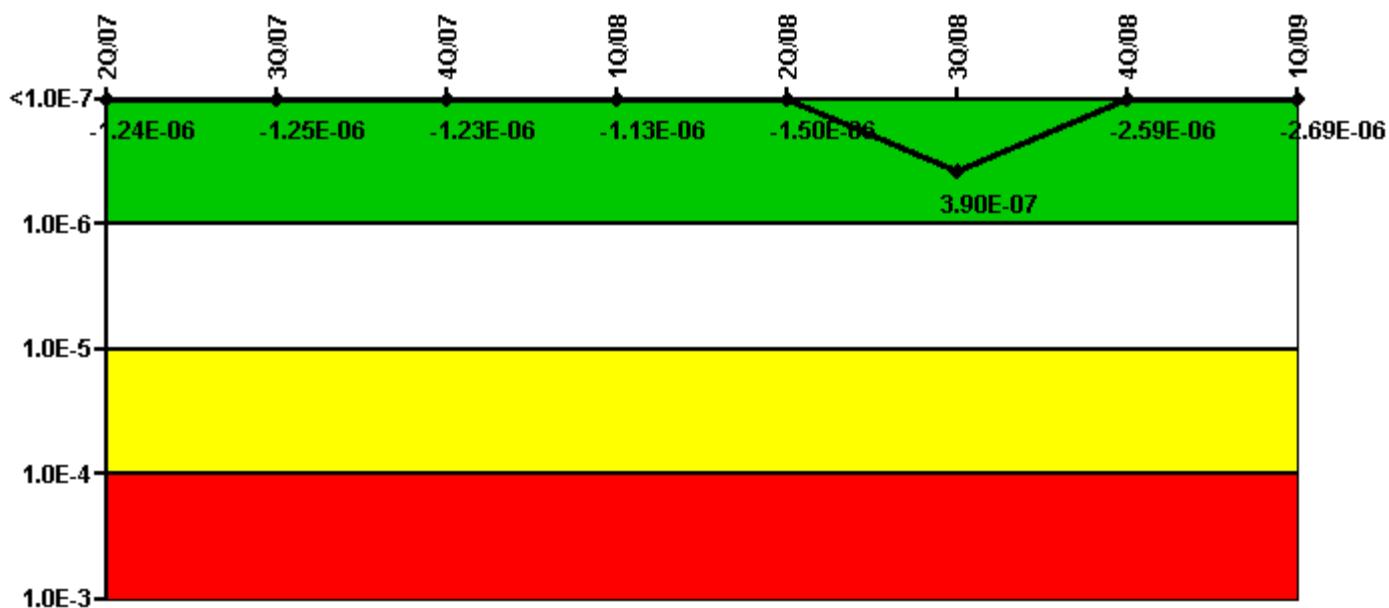
Thresholds: White > 5.0

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



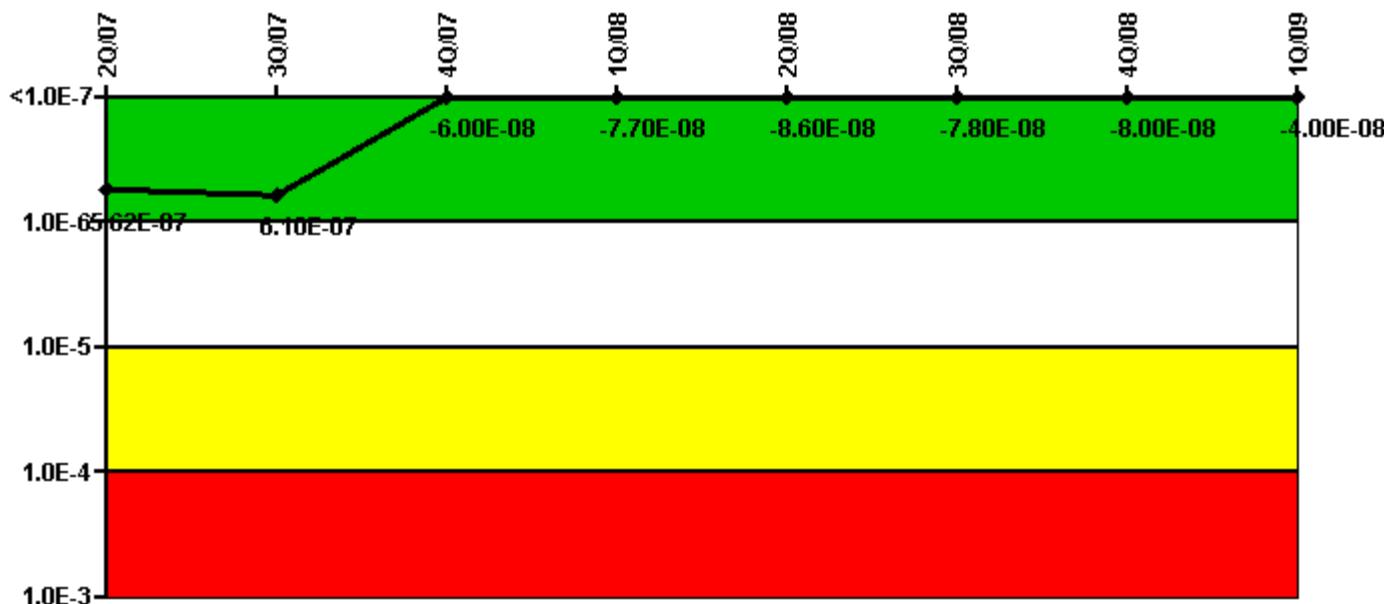
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.60E-07	1.50E-07	1.70E-07	1.70E-07	-2.00E-07	-2.90E-07	-2.90E-07	-2.90E-07
URI (Δ CDF)	-1.40E-06	-1.40E-06	-1.40E-06	-1.30E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.24E-06	-1.25E-06	-1.23E-06	-1.13E-06	-1.50E-06	3.90E-07	-2.59E-06	-2.69E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



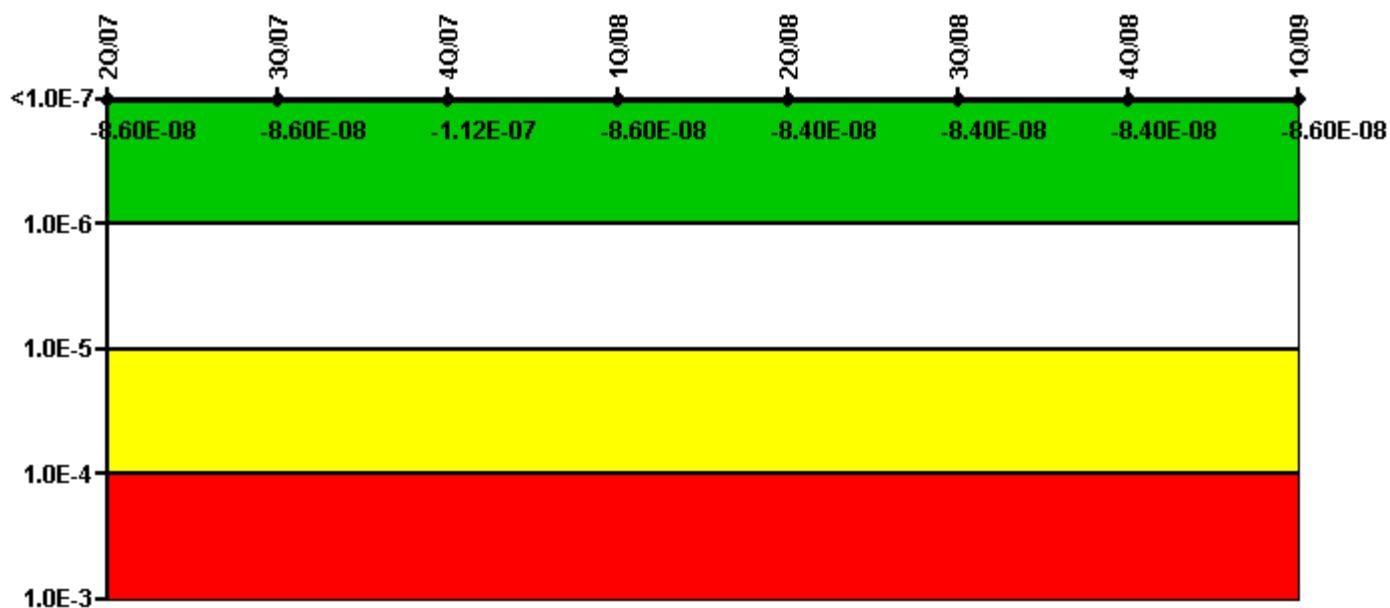
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	6.20E-08	1.10E-07	1.10E-07	9.30E-08	8.40E-08	9.20E-08	9.00E-08	1.30E-07
URI (Δ CDF)	5.00E-07	5.00E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.62E-07	6.10E-07	-6.00E-08	-7.70E-08	-8.60E-08	-7.80E-08	-8.00E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



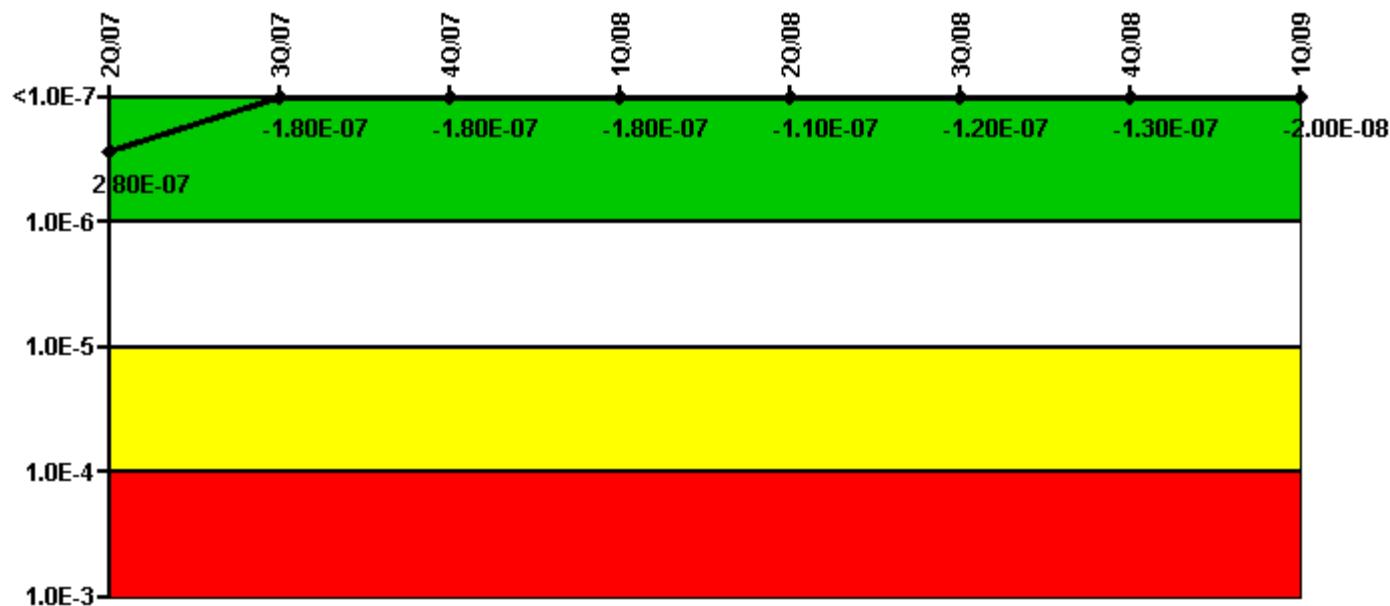
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.30E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)	-6.40E-08	-6.40E-08	-8.90E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-6.60E-08
PLE	NO							
Indicator value	-8.60E-08	-8.60E-08	-1.12E-07	-8.60E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



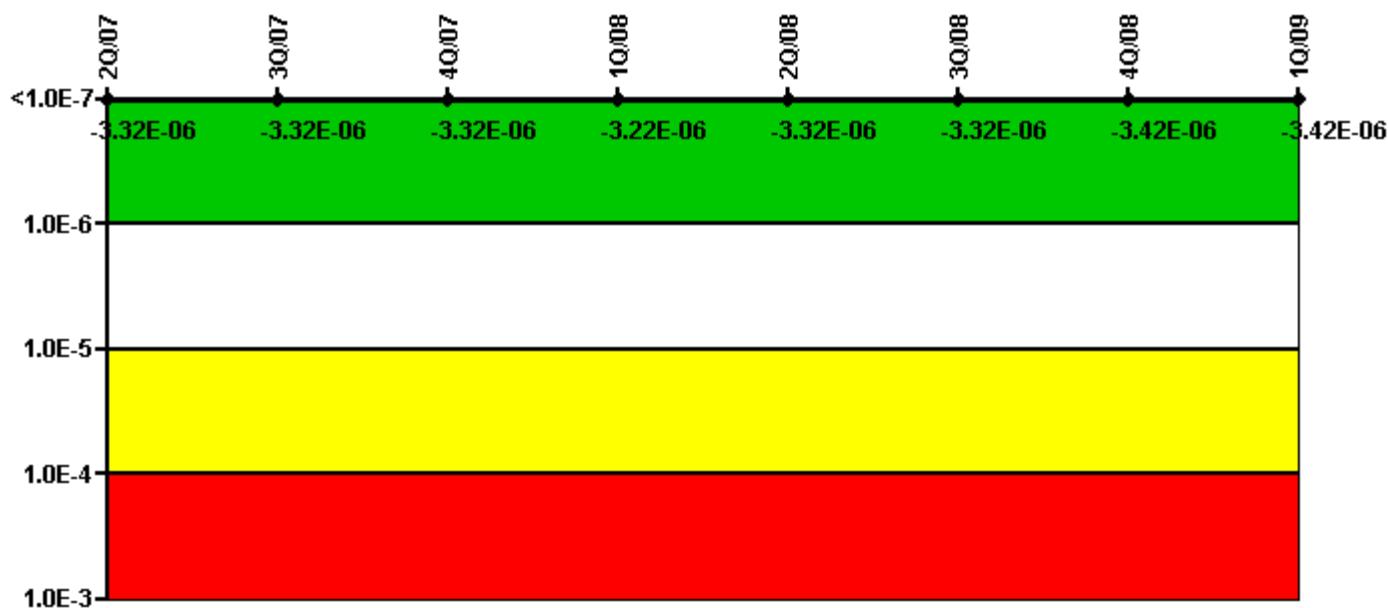
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	1.50E-07	1.90E-07	1.90E-07	1.90E-07	2.60E-07	2.50E-07	2.40E-07	3.50E-07
URI (Δ CDF)	1.30E-07	-3.70E-07						
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07	-2.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

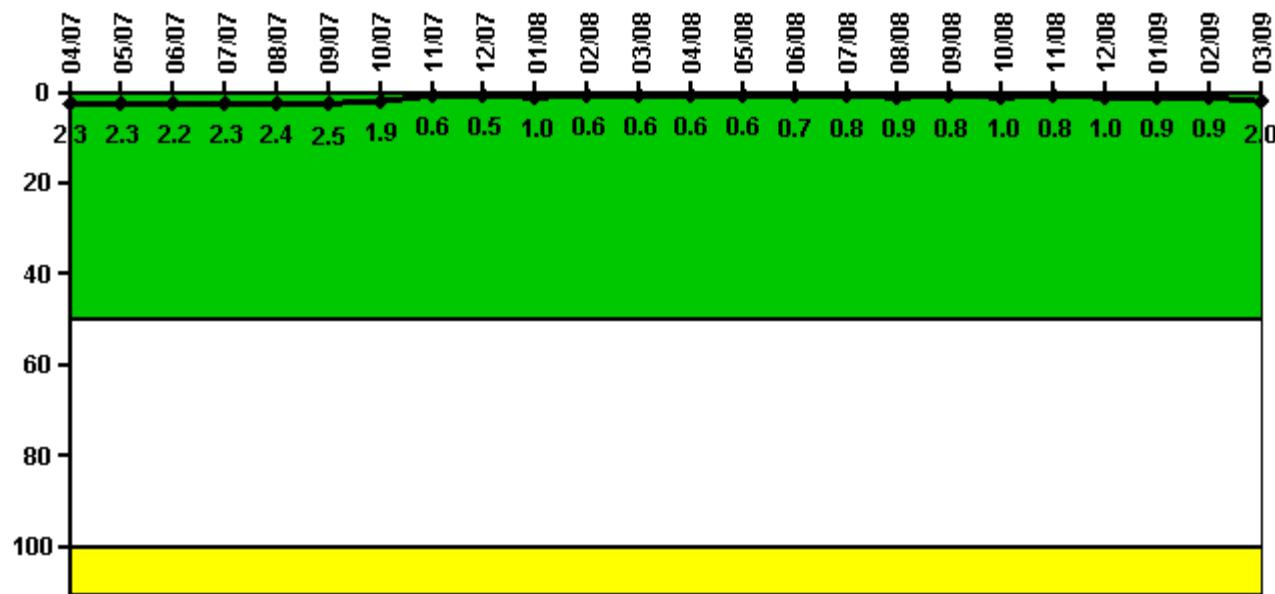
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-3.10E-06	-3.10E-06	-3.10E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.20E-06	-3.20E-06
URI (ΔCDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.32E-06	-3.32E-06	-3.32E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.42E-06	-3.42E-06

Licensee Comments:

1Q/09: Changed PRA Parameter(s). Routine planned unavailability baseline update.

Reactor Coolant System Activity



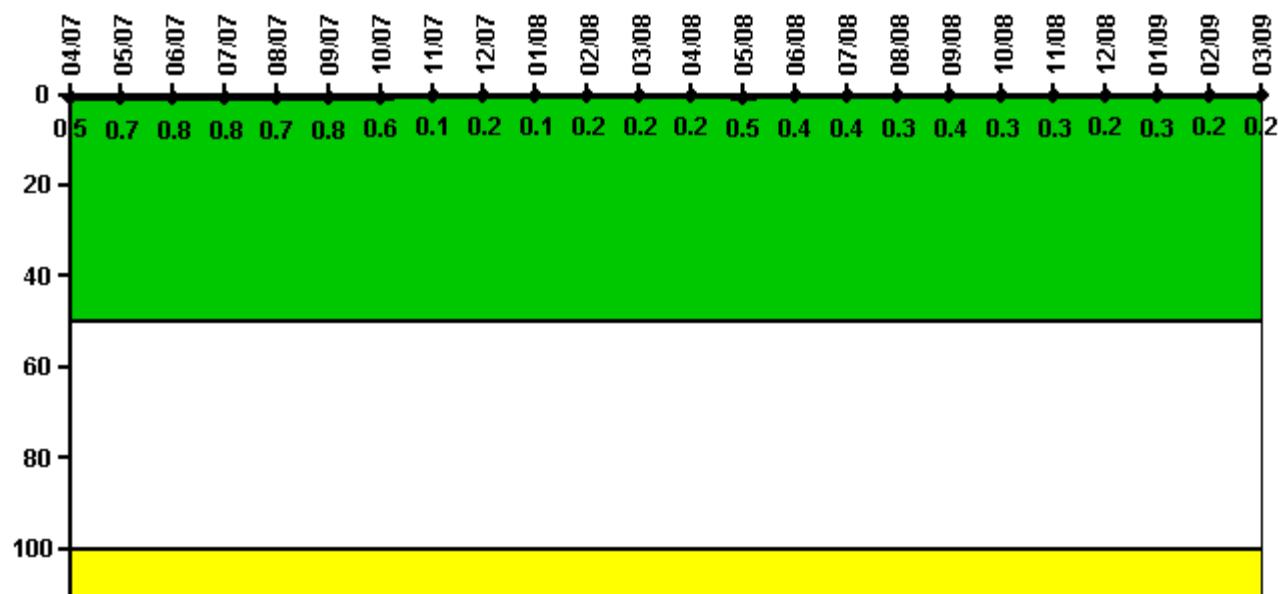
Thresholds: White > 50.0 Yellow > 100.0

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	0.007894	0.007921	0.007870	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.3	2.3	2.2	2.3	2.4	2.5	1.9	0.6	0.5	1.0	0.6	0.6
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	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.7	0.8	0.9	0.8	1.0	0.8	1.0	0.9	0.9	2.0

Licensee Comments: none

Reactor Coolant System Leakage



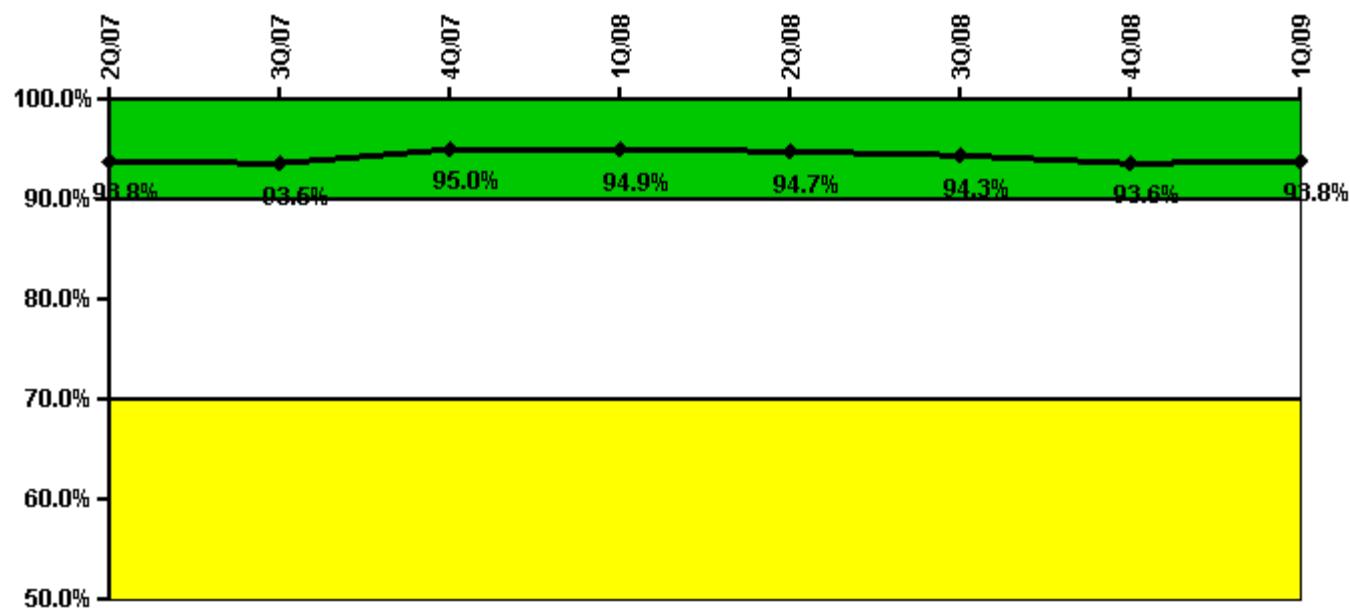
Thresholds: White > 50.0 Yellow > 100.0

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	0.050	0.070	0.080	0.080	0.070	0.080	0.060	0.010	0.020	0.010	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.7	0.8	0.8	0.7	0.8	0.6	0.1	0.2	0.1	0.2	0.2
Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.020	0.050	0.040	0.040	0.030	0.040	0.030	0.030	0.020	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

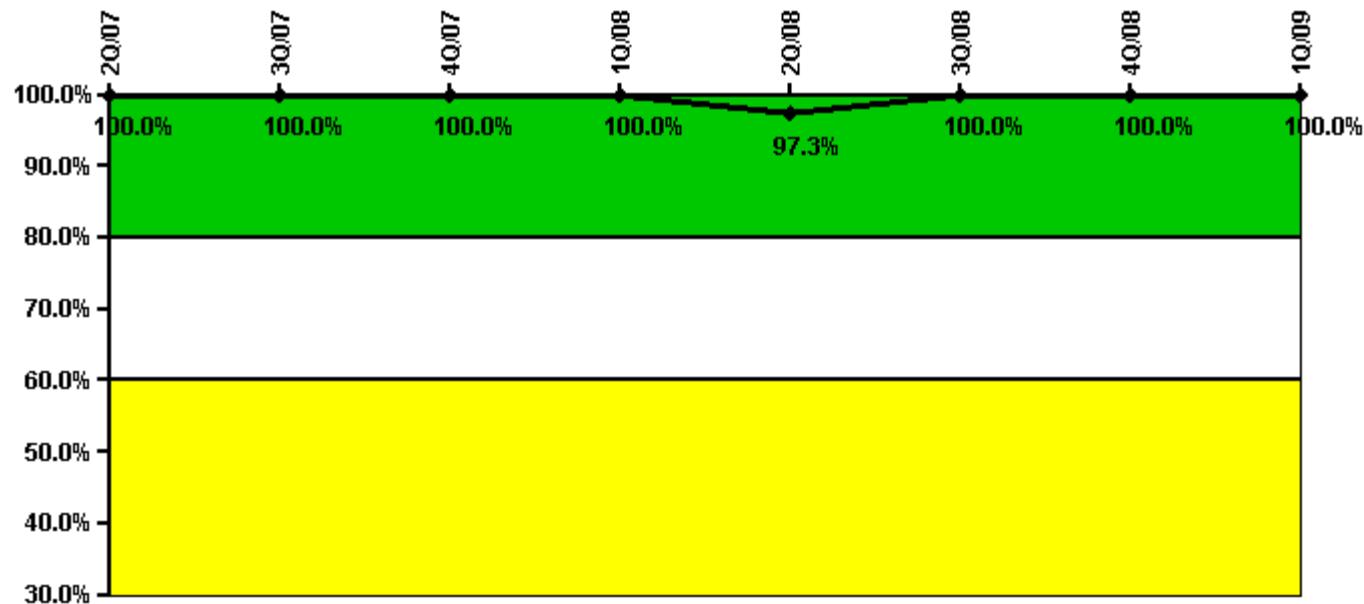
Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	24.0	10.0	30.0	4.0	11.0	42.0	39.0	21.0
Total opportunities	26.0	10.0	32.0	4.0	12.0	43.0	44.0	22.0
Indicator value	93.8%	93.5%	95.0%	94.9%	94.7%	94.3%	93.6%	93.8%

Licensee Comments:

4Q/08: 4th Quarter Total numbers were initially entered for the December 2008 data. Data was corrected on 1/27/09.

ERO Drill Participation



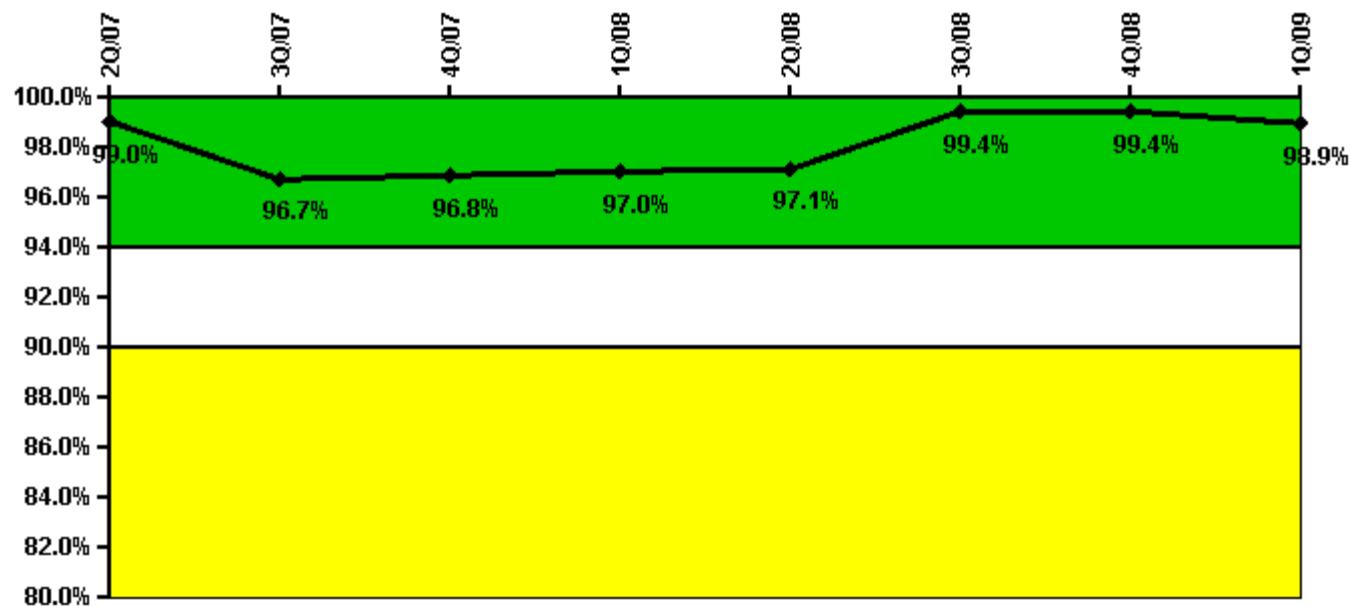
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	82.0	93.0	88.0	83.0	73.0	87.0	82.0	86.0
Total Key personnel	82.0	93.0	88.0	83.0	75.0	87.0	82.0	86.0
Indicator value	100.0%	100.0%	100.0%	100.0%	97.3%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



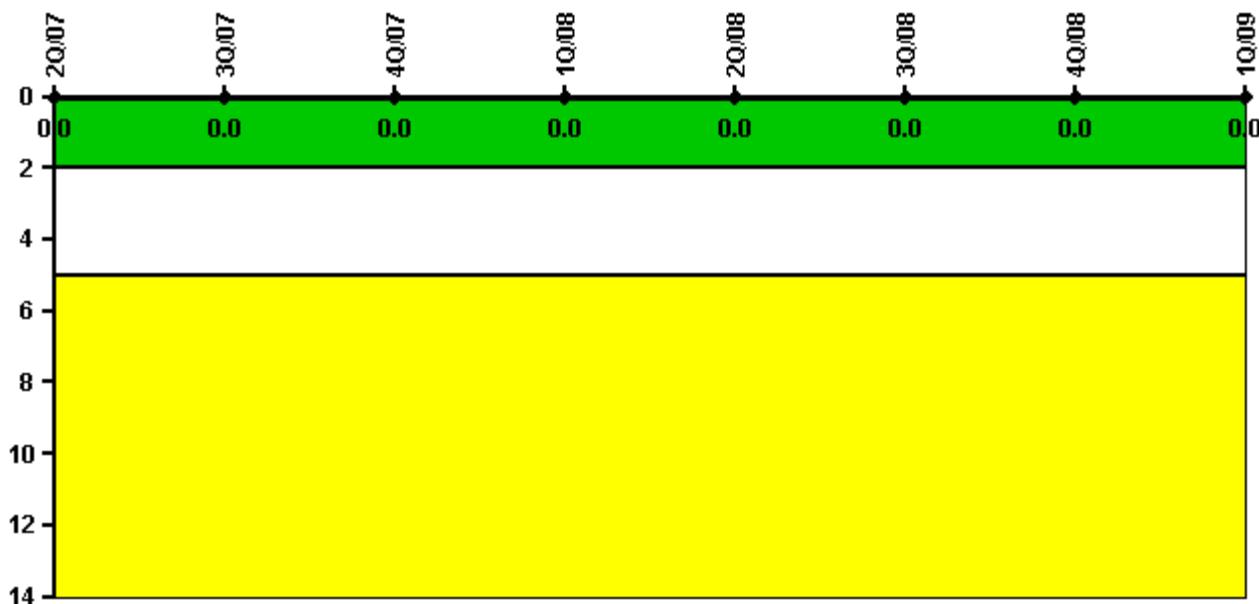
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	854	779	964	754	753	751	961	634
Total sirens-tests	864	864	972	756	756	756	972	648
Indicator value	99.0%	96.7%	96.8%	97.0%	97.1%	99.4%	99.4%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



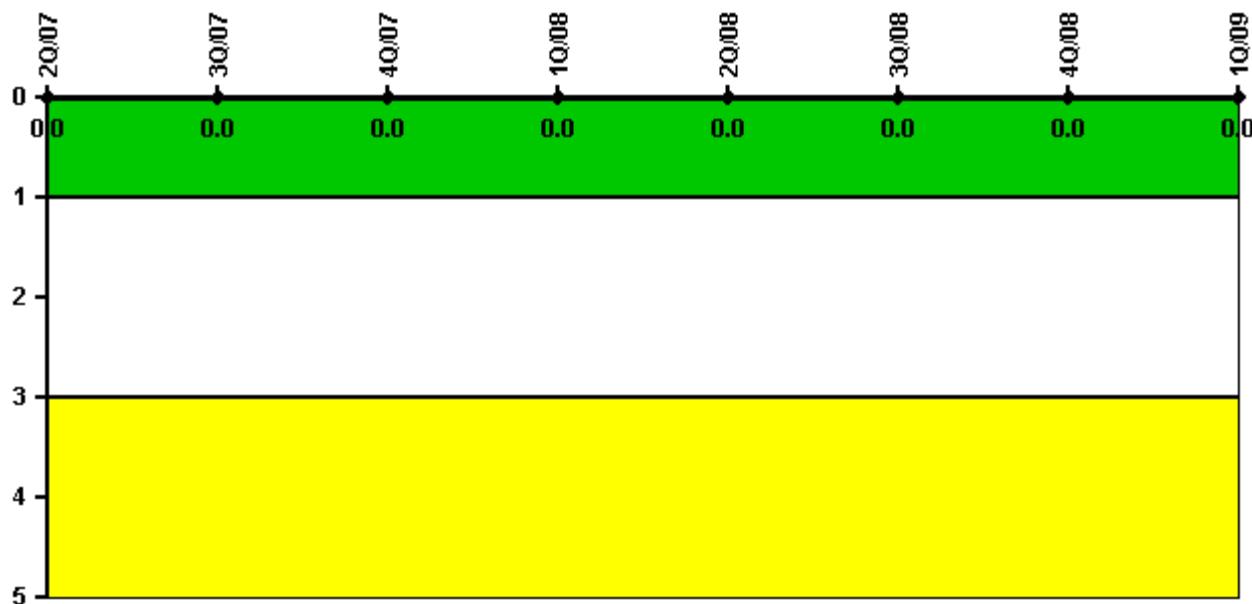
Thresholds: White > 2.0 Yellow > 5.0

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](#)

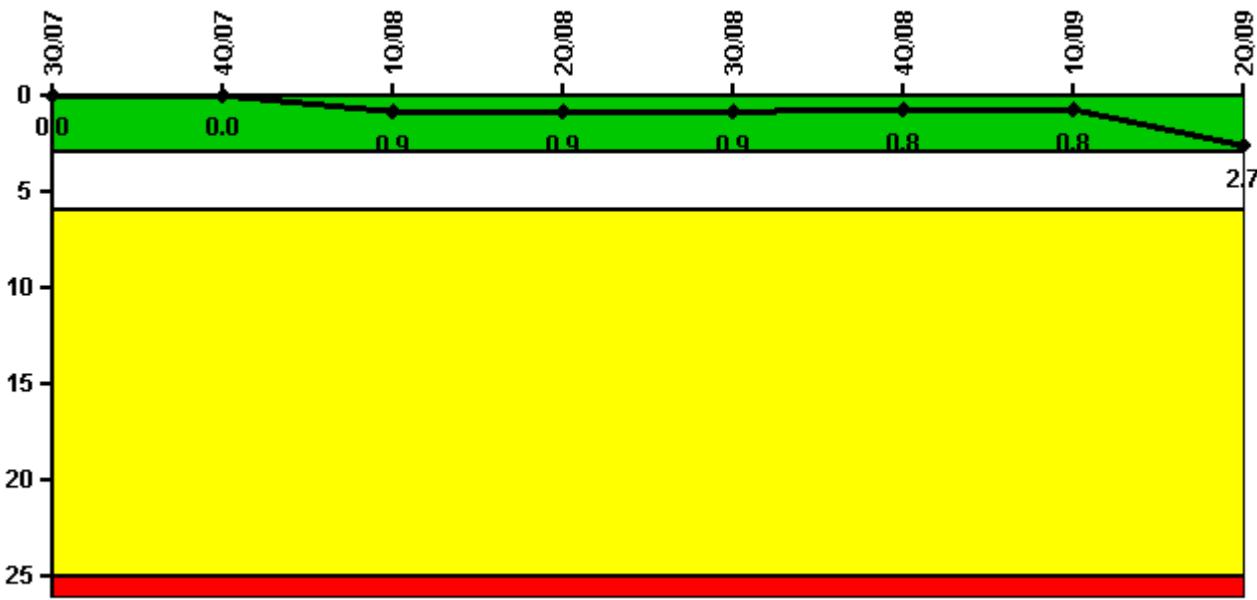
Last Modified: May 1, 2009

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2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



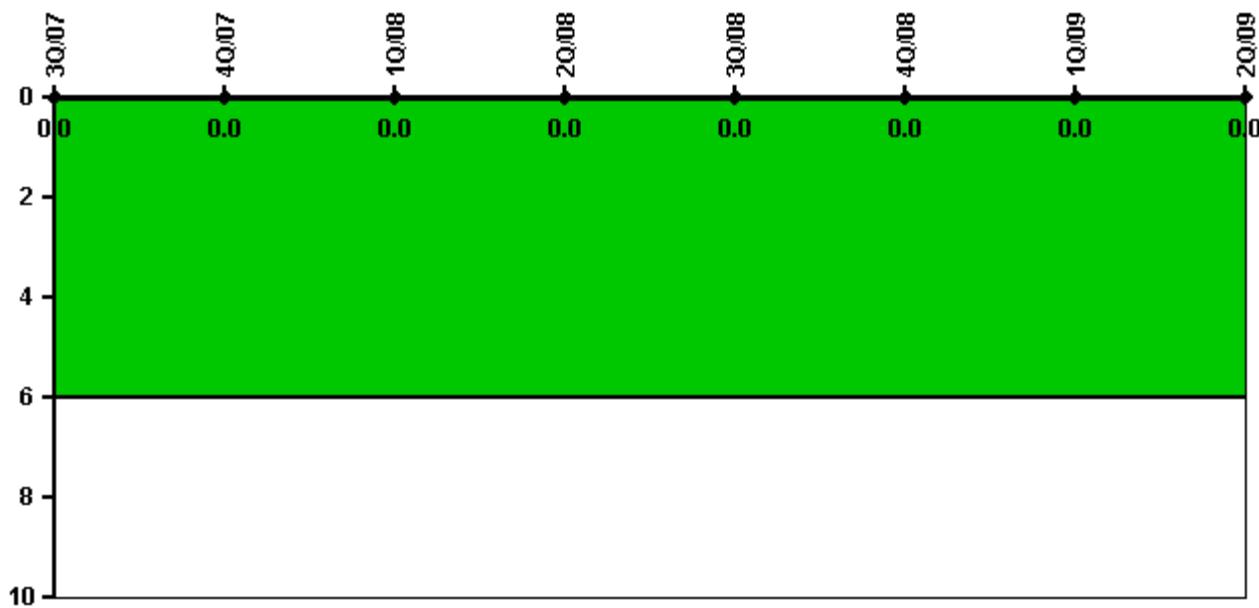
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	2.0
Critical hours	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3
Indicator value	0	0	0.9	0.9	0.9	0.8	0.8	2.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



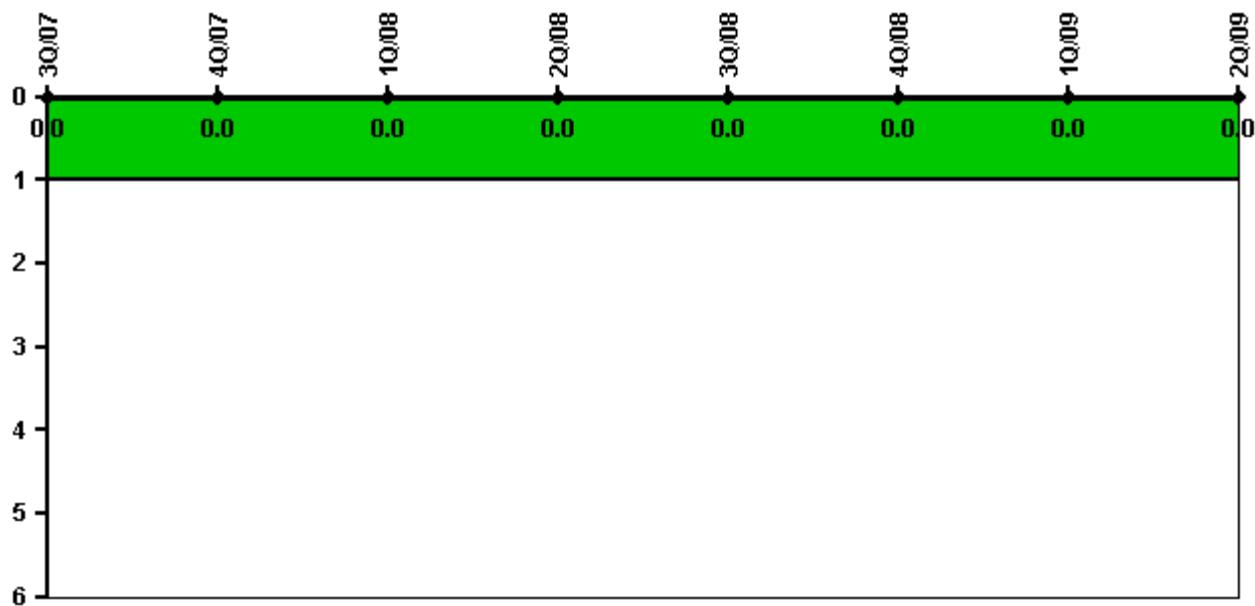
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



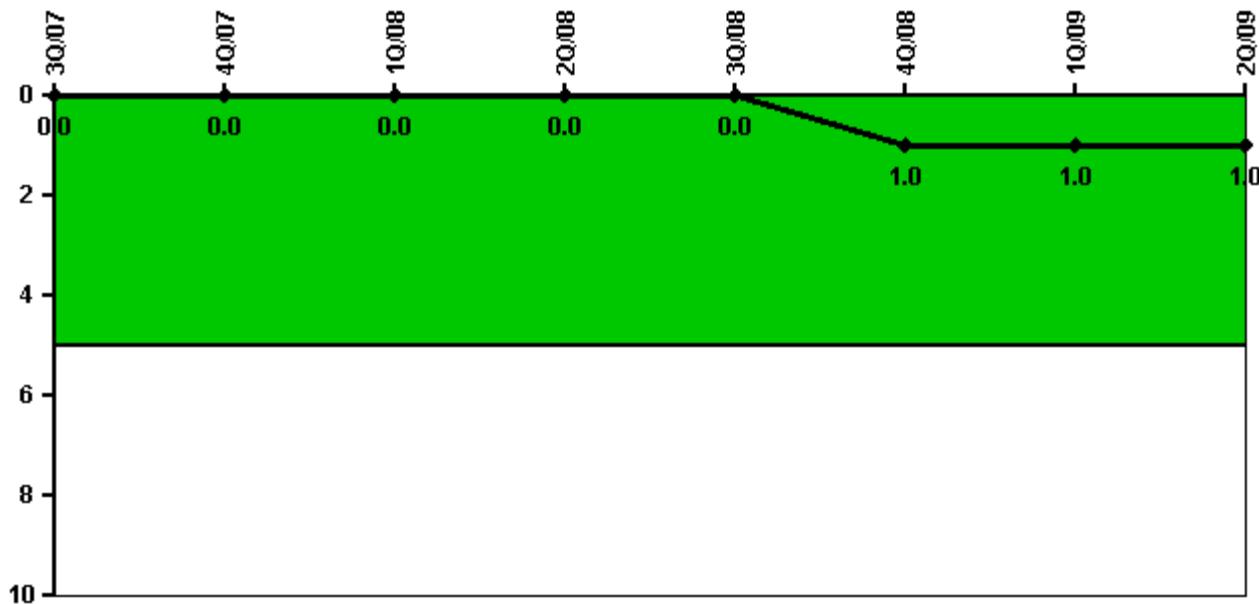
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

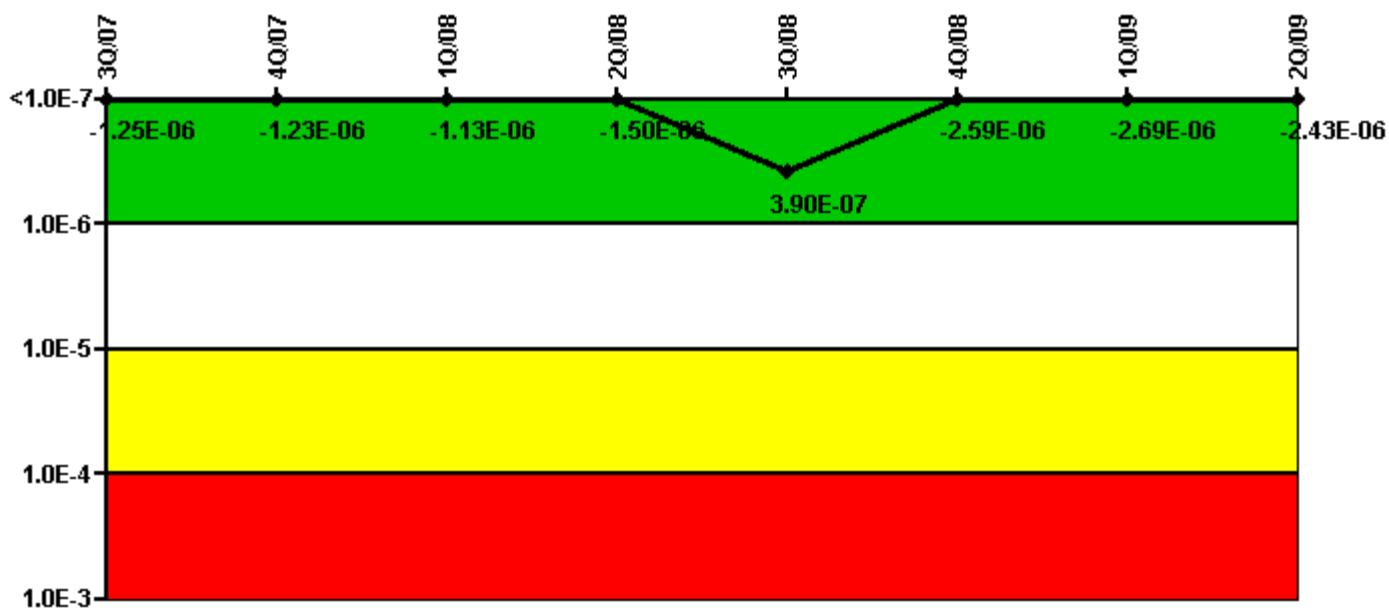
Notes

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

Licensee Comments:

4Q/08: The event reported in LER 50-327/2008-002-00 was subsequently determined to be a condition that could have prevented the fulfillment of a safety function and therefore should have been reported as a safety system functional failure. A revised LER was submitted on June 16, 2009.

Mitigating Systems Performance Index, Emergency AC Power System



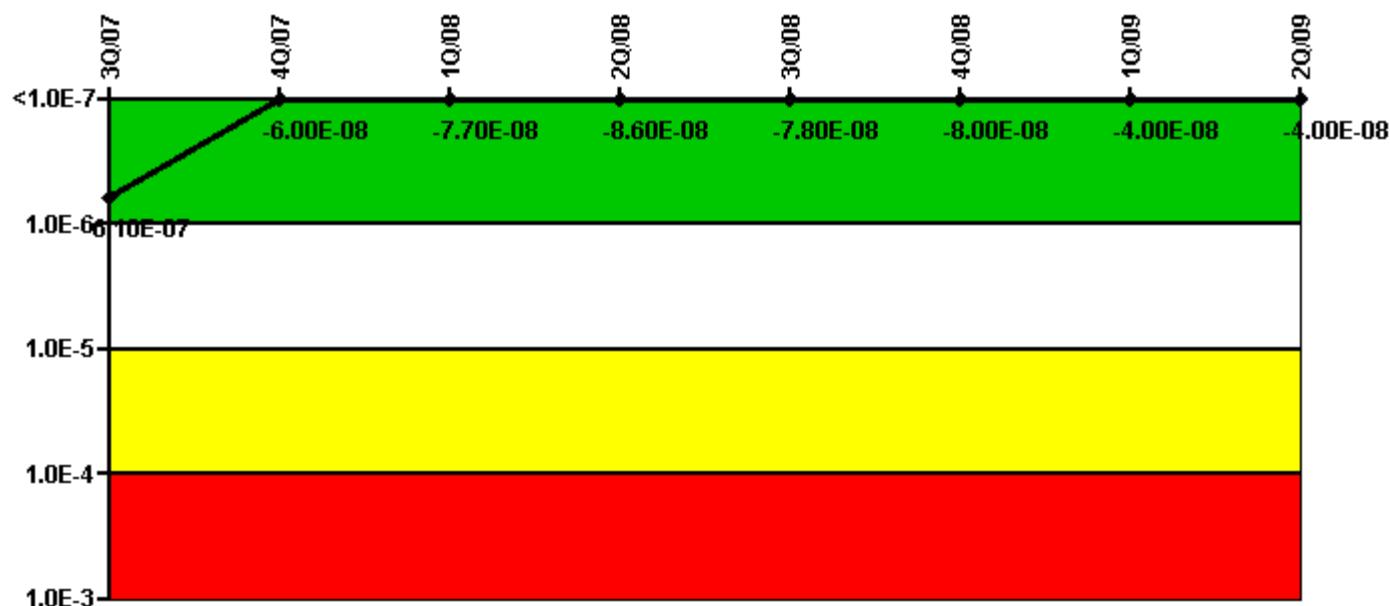
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.50E-07	1.70E-07	1.70E-07	-2.00E-07	-2.90E-07	-2.90E-07	-2.90E-07	-3.20E-08
URI (Δ CDF)	-1.40E-06	-1.40E-06	-1.30E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06	-2.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.25E-06	-1.23E-06	-1.13E-06	-1.50E-06	3.90E-07	-2.59E-06	-2.69E-06	-2.43E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



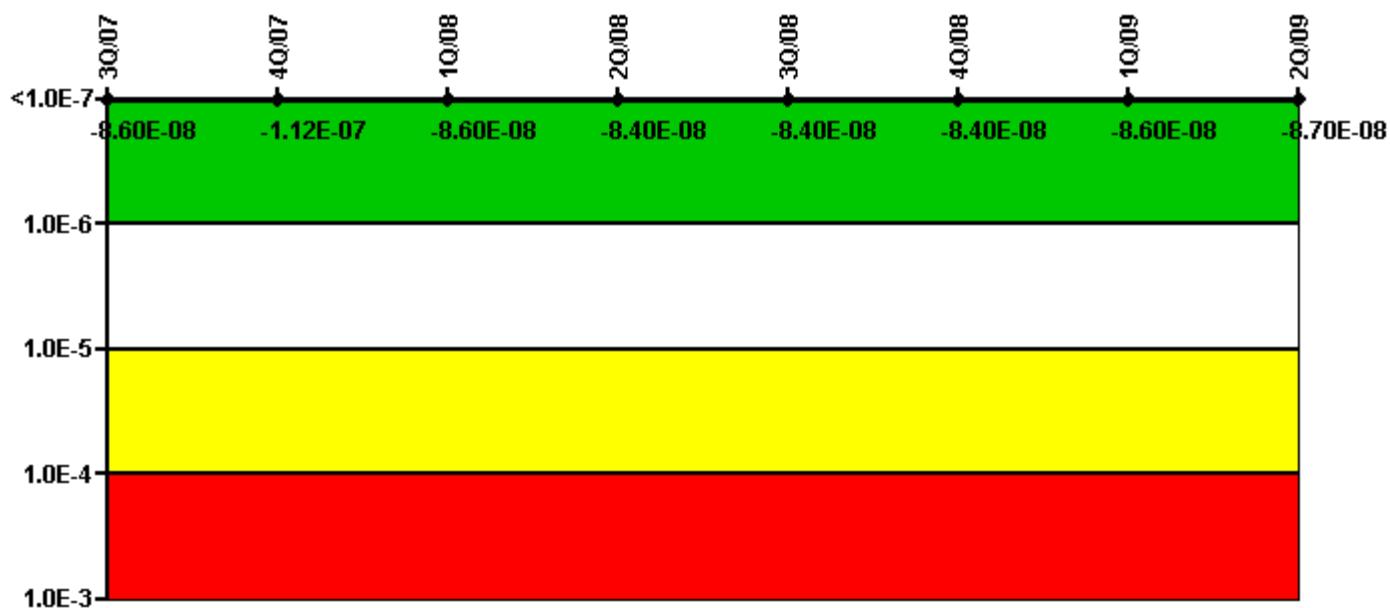
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	1.10E-07	1.10E-07	9.30E-08	8.40E-08	9.20E-08	9.00E-08	1.30E-07	1.30E-07
URI (Δ CDF)	5.00E-07	-1.70E-07						
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.10E-07	-6.00E-08	-7.70E-08	-8.60E-08	-7.80E-08	-8.00E-08	-4.00E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



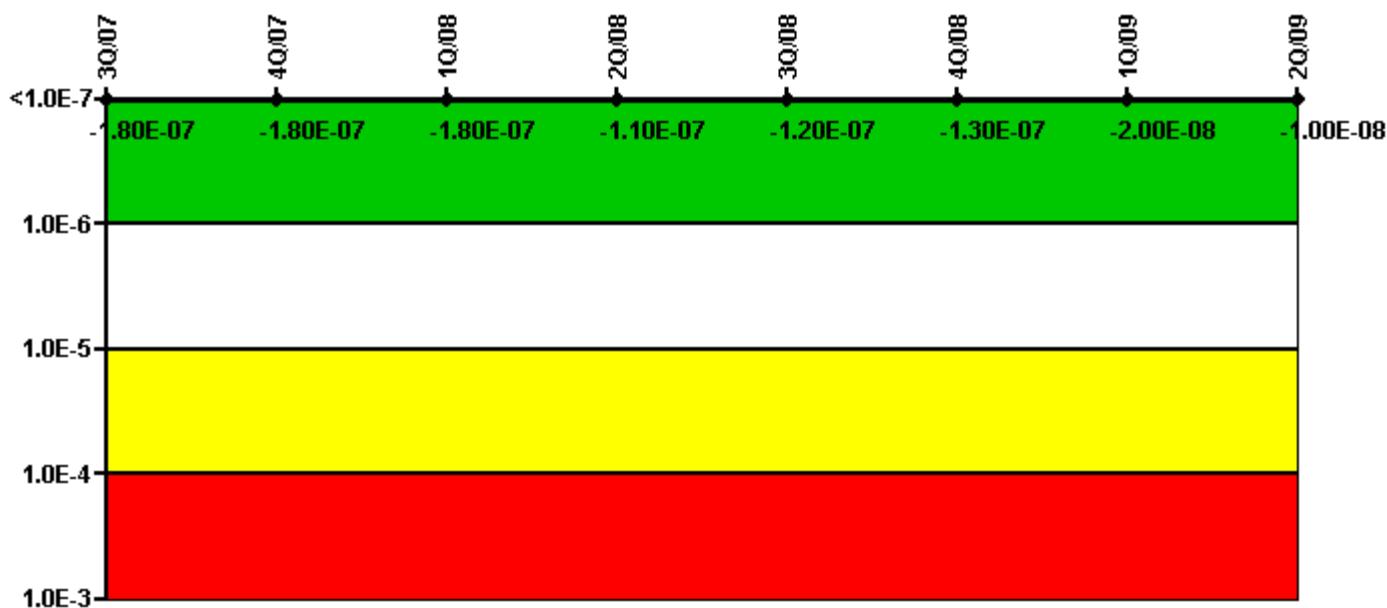
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-2.20E-08	-2.30E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)	-6.40E-08	-8.90E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-6.60E-08	-6.70E-08
PLE	NO							
Indicator value	-8.60E-08	-1.12E-07	-8.60E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



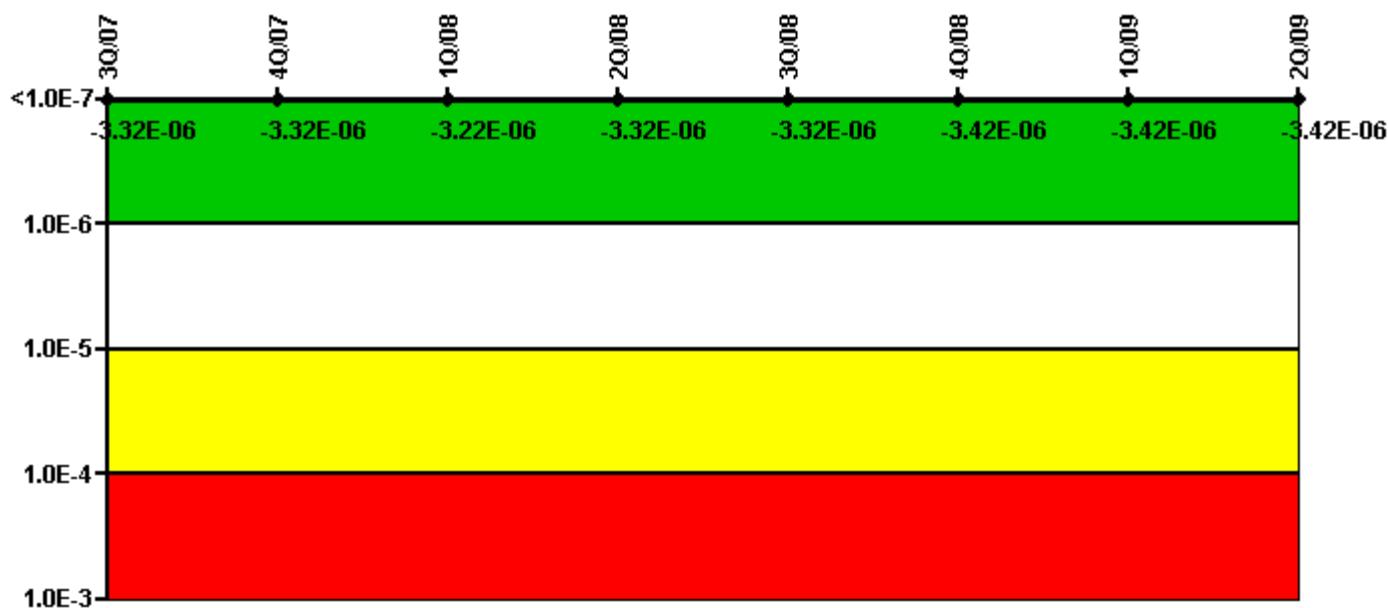
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	1.90E-07	1.90E-07	1.90E-07	2.60E-07	2.50E-07	2.40E-07	3.50E-07	3.60E-07
URI (Δ CDF)	-3.70E-07							
PLE	NO							
Indicator value	-1.80E-07	-1.80E-07	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07	-2.00E-08	-1.00E-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

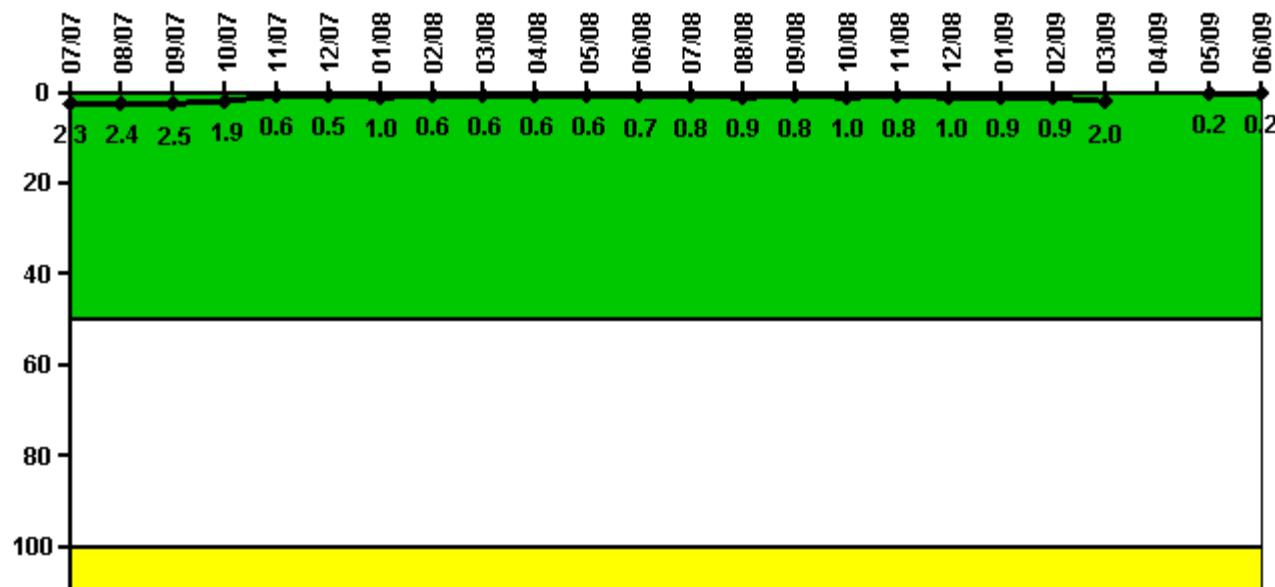
Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-3.10E-06	-3.10E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.20E-06	-3.20E-06	-3.20E-06
URI (ΔCDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.32E-06	-3.32E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.42E-06	-3.42E-06	-3.42E-06

Licensee Comments:

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s). Routine planned unavailability baseline update.

Reactor Coolant System Activity



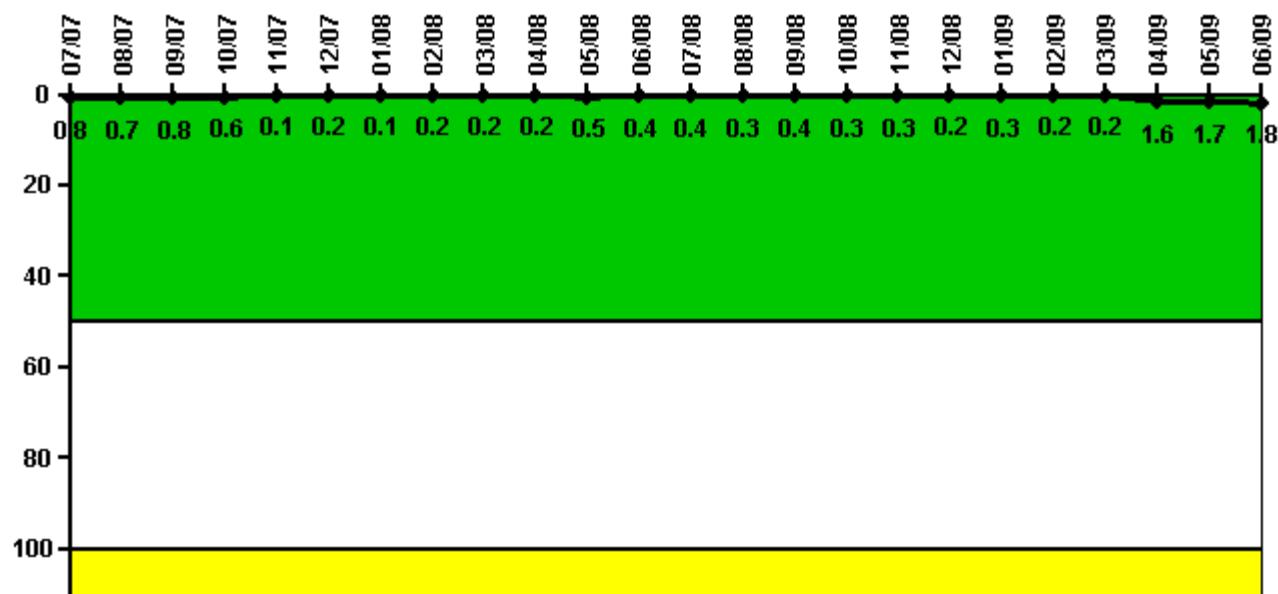
Thresholds: White > 50.0 Yellow > 100.0

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	0.007976	0.008524	0.008710	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	2.3	2.4	2.5	1.9	0.6	0.5	1.0	0.6	0.6	0.6	0.6	0.7
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	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078	N/A	0.000719	0.000740
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.8	0.9	0.8	1.0	0.8	1.0	0.9	0.9	2.0	N/A	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



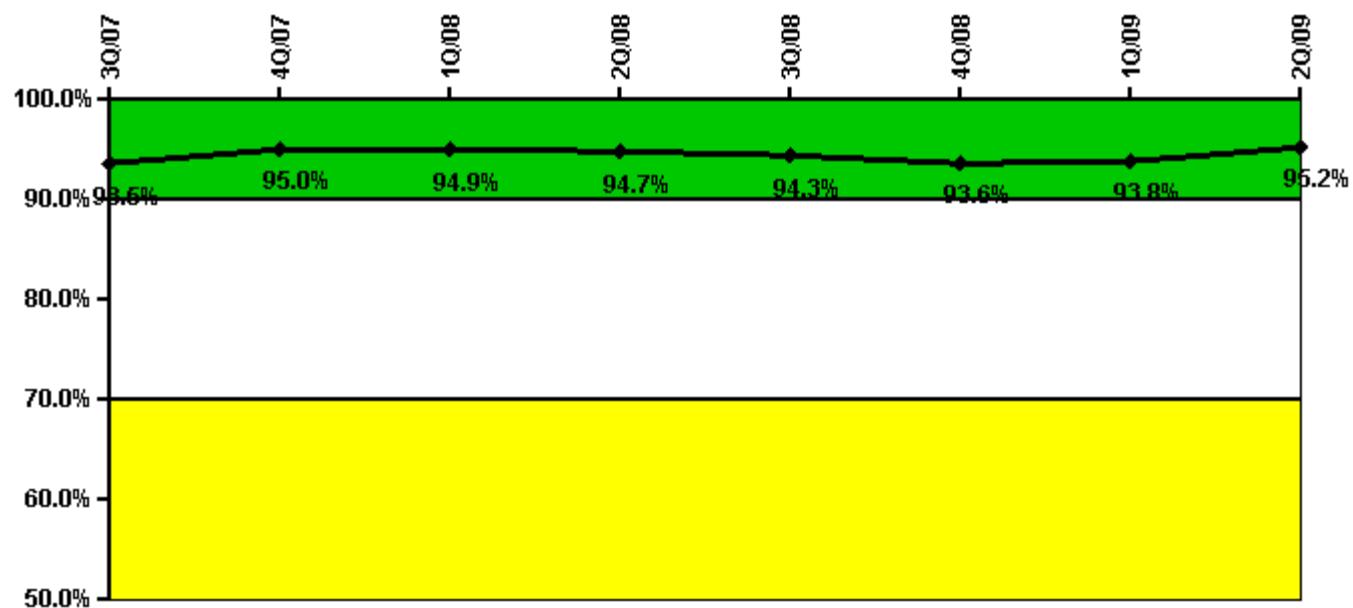
Thresholds: White > 50.0 Yellow > 100.0

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	0.080	0.070	0.080	0.060	0.010	0.020	0.010	0.020	0.020	0.020	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.7	0.8	0.6	0.1	0.2	0.1	0.2	0.2	0.2	0.5	0.4
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	0.040	0.030	0.040	0.030	0.030	0.020	0.030	0.020	0.020	0.160	0.170	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.2	1.6	1.7	1.8

Licensee Comments: none

Drill/Exercise Performance



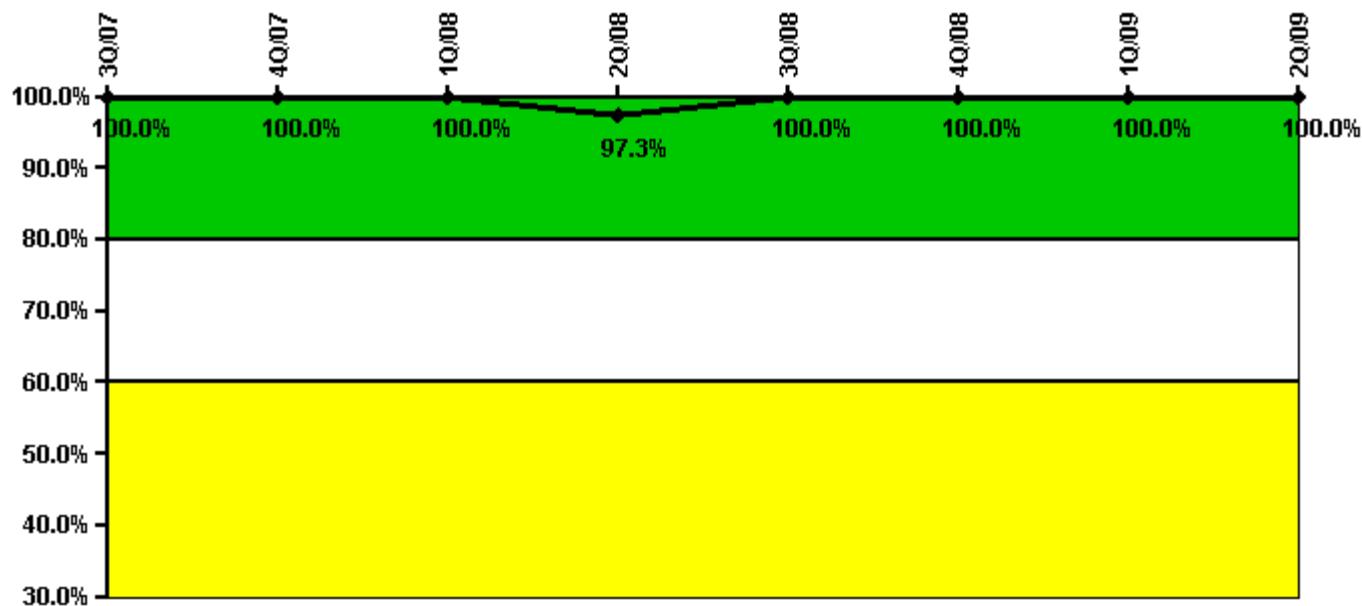
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	10.0	30.0	4.0	11.0	42.0	39.0	21.0	40.0
Total opportunities	10.0	32.0	4.0	12.0	43.0	44.0	22.0	40.0
Indicator value	93.5%	95.0%	94.9%	94.7%	94.3%	93.6%	93.8%	95.2%

Licensee Comments: none

ERO Drill Participation



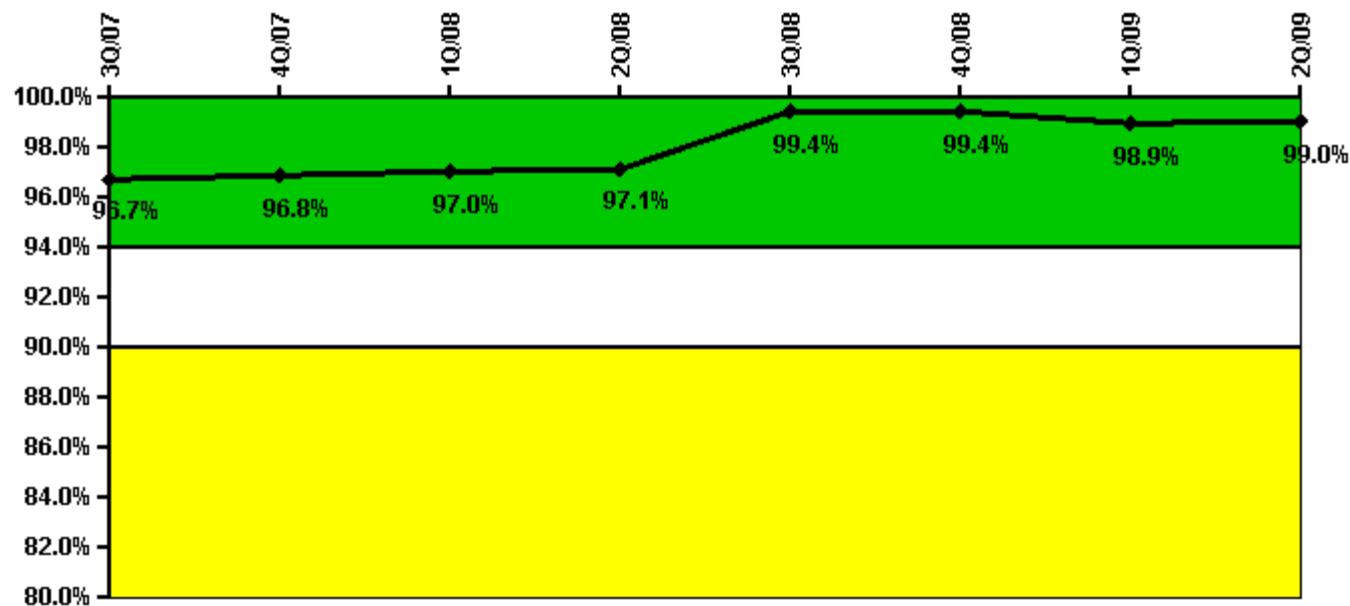
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	93.0	88.0	83.0	73.0	87.0	82.0	86.0	79.0
Total Key personnel	93.0	88.0	83.0	75.0	87.0	82.0	86.0	79.0
Indicator value	100.0%	100.0%	100.0%	97.3%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



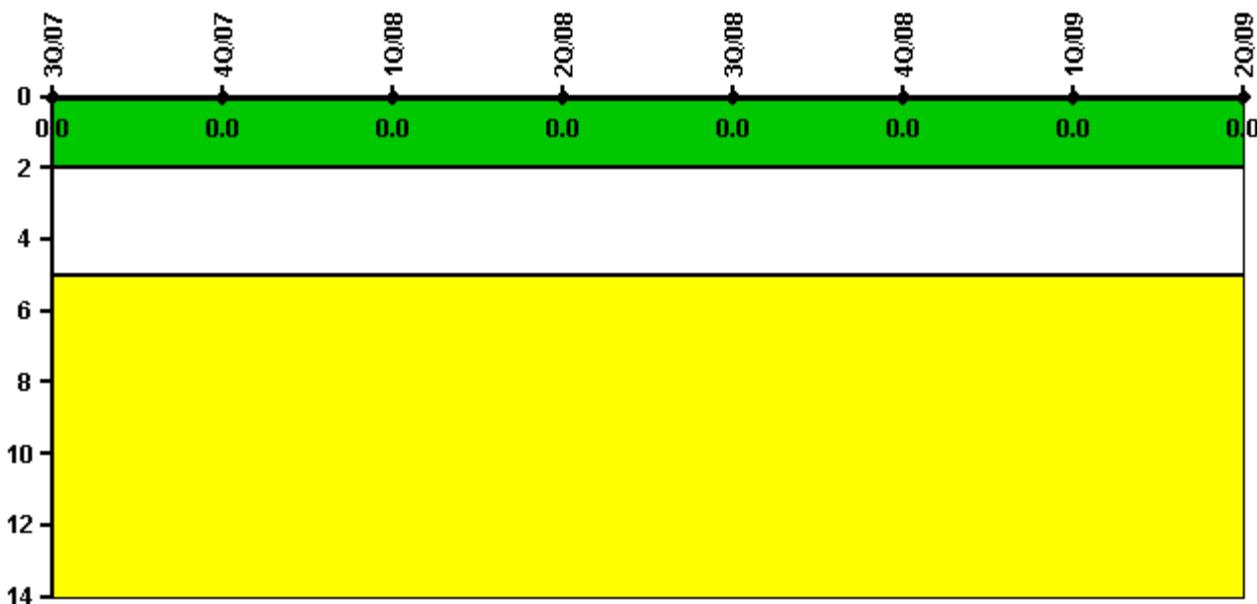
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	779	964	754	753	751	961	634	969
Total sirens-tests	864	972	756	756	756	972	648	972
Indicator value	96.7%	96.8%	97.0%	97.1%	99.4%	99.4%	98.9%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



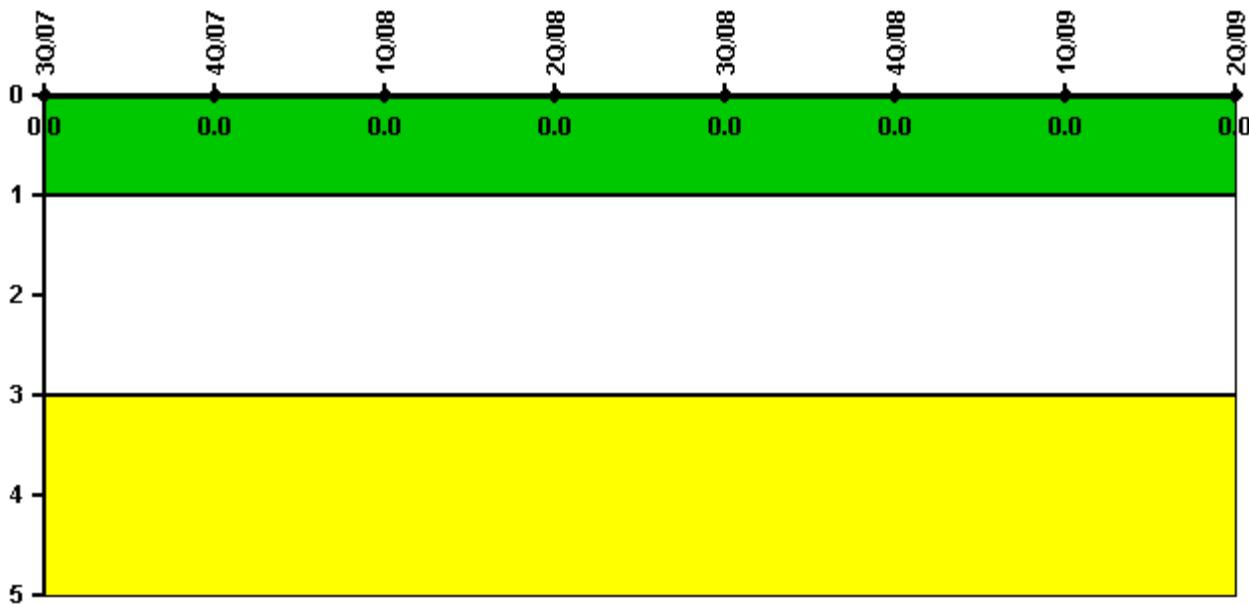
Thresholds: White > 2.0 Yellow > 5.0

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.



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

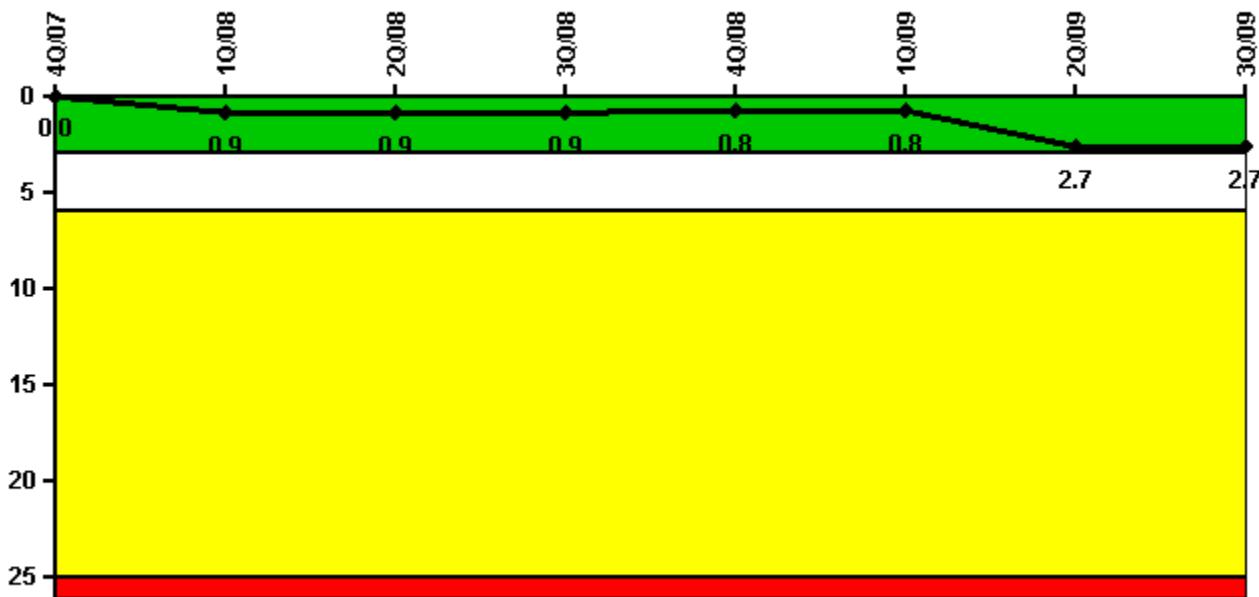
Last Modified: July 22, 2009

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3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



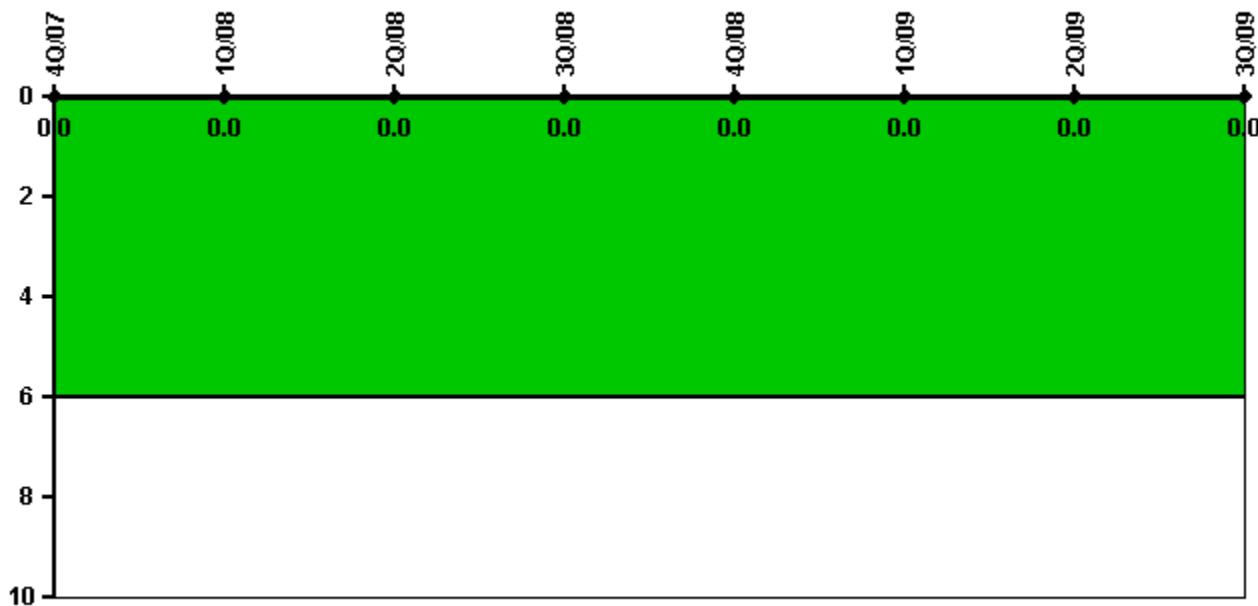
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	1.0	0	0	0	1.0	2.0	0
Critical hours	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0
Indicator value	0	0.9	0.9	0.9	0.8	0.8	2.7	2.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



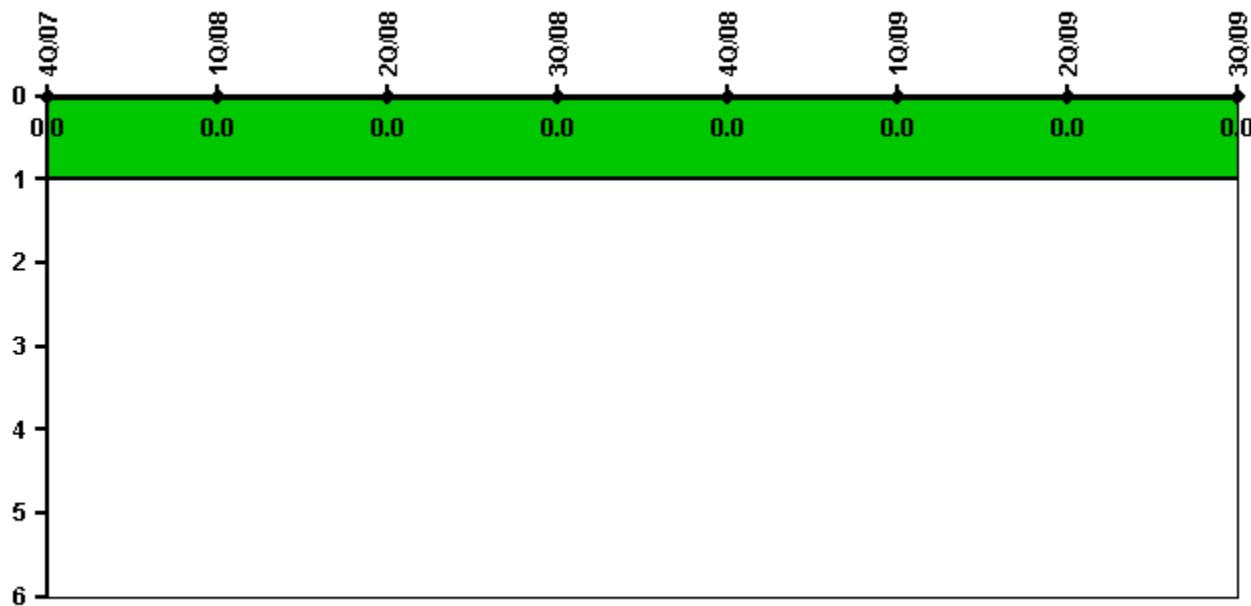
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1169.4	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



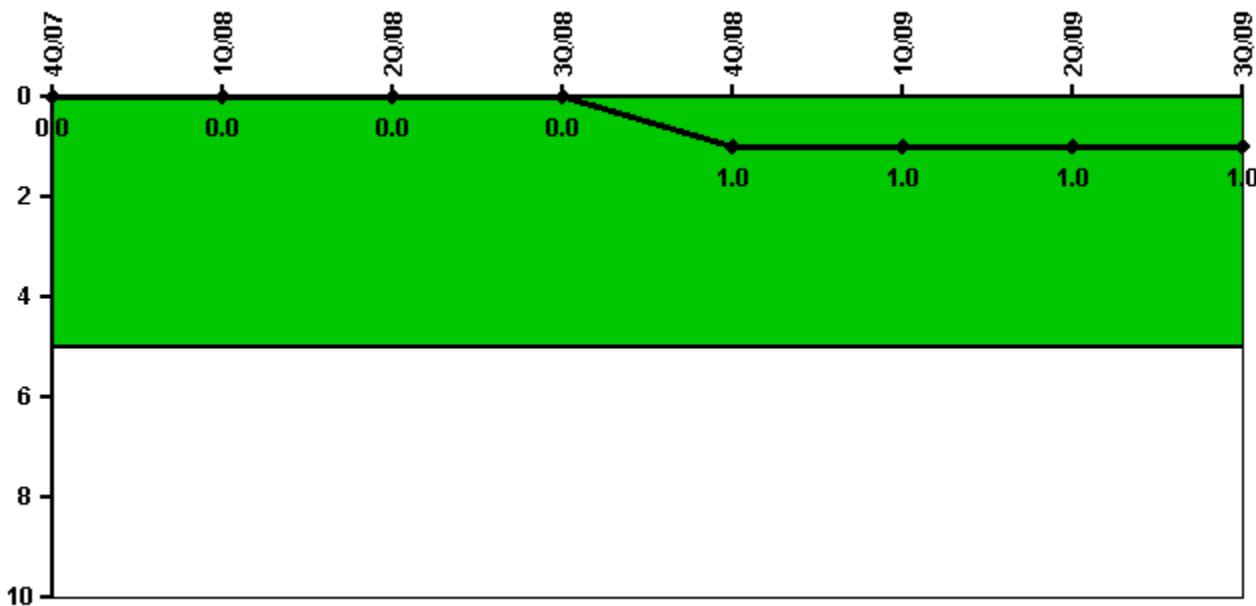
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



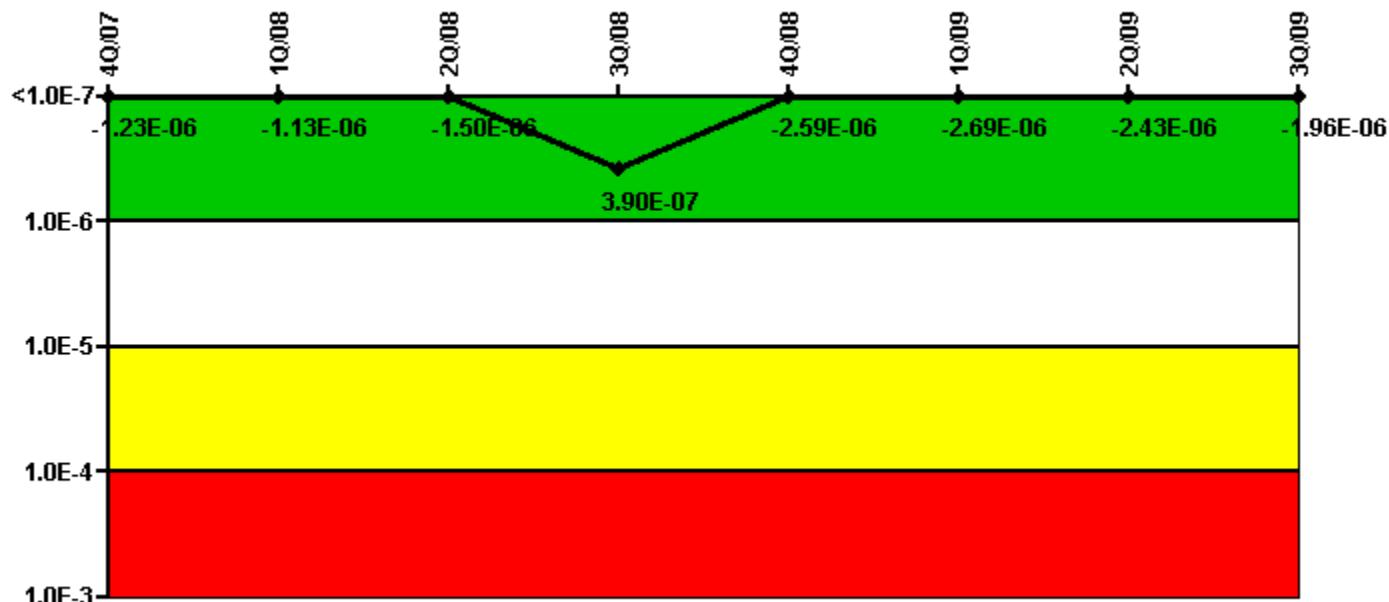
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	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



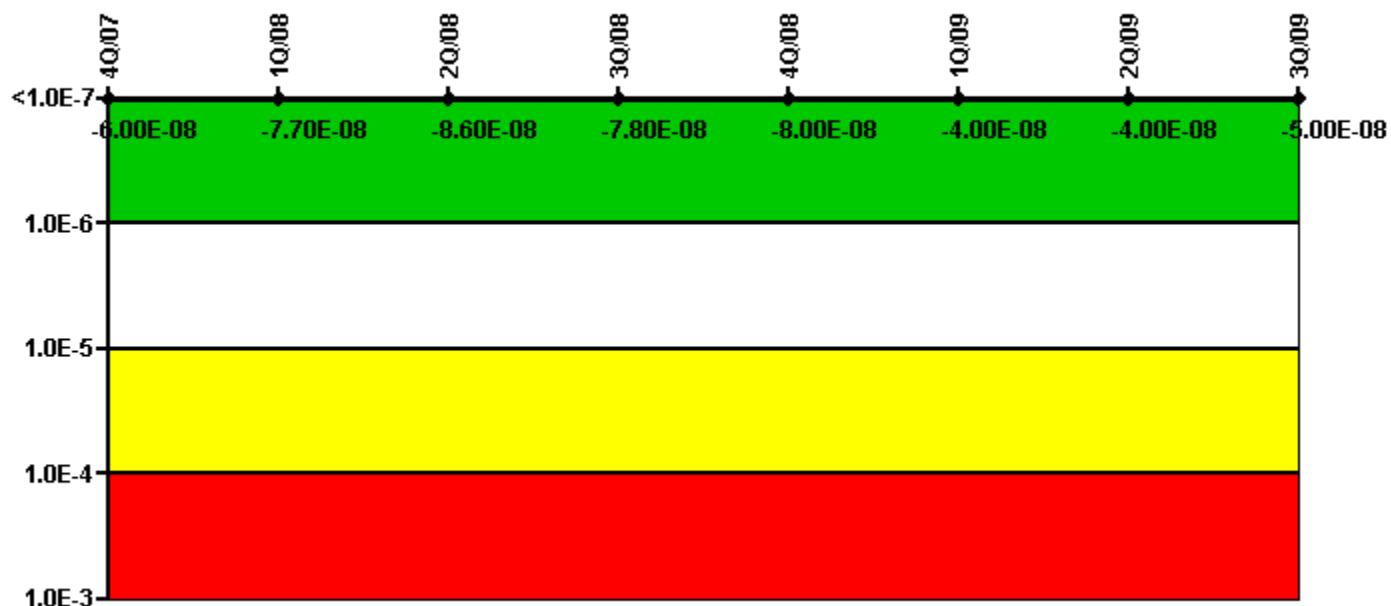
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.70E-07	1.70E-07	-2.00E-07	-2.90E-07	-2.90E-07	-2.90E-07	-3.20E-08	3.60E-08
URI (Δ CDF)	-1.40E-06	-1.30E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06	-2.40E-06	-2.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.23E-06	-1.13E-06	-1.50E-06	3.90E-07	-2.59E-06	-2.69E-06	-2.43E-06	-1.96E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



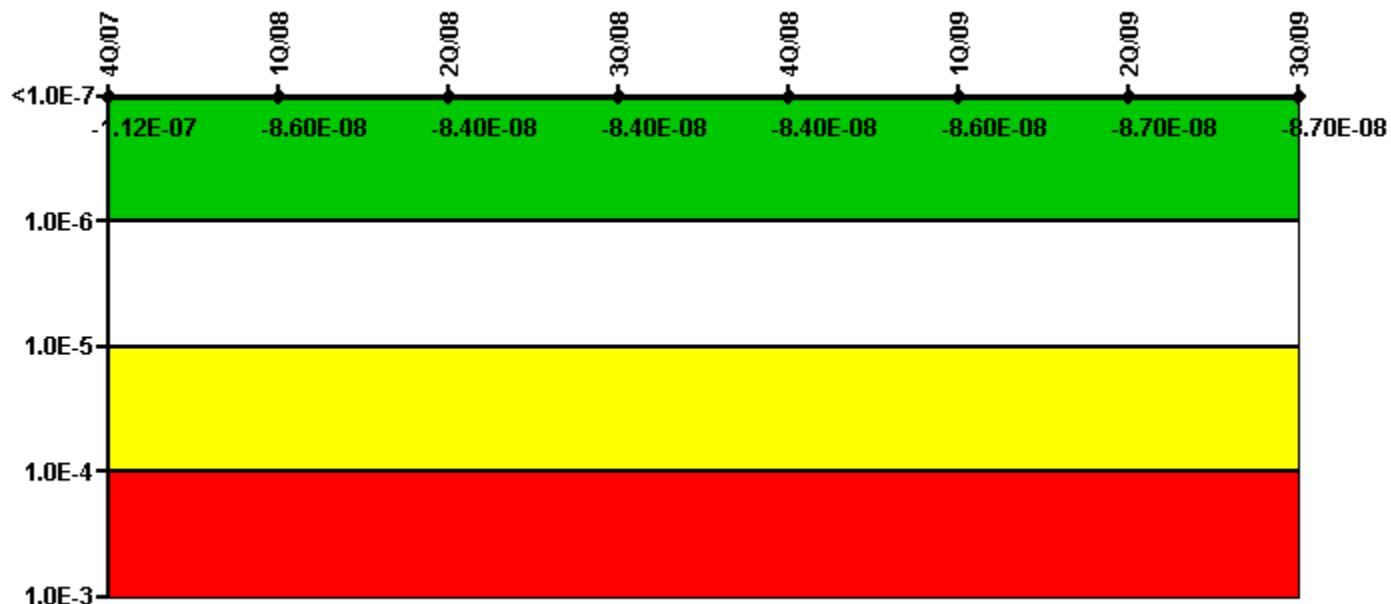
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.10E-07	9.30E-08	8.40E-08	9.20E-08	9.00E-08	1.30E-07	1.30E-07	1.20E-07
URI (Δ CDF)	-1.70E-07							
PLE	NO							
Indicator value	-6.00E-08	-7.70E-08	-8.60E-08	-7.80E-08	-8.00E-08	-4.00E-08	-4.00E-08	-5.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



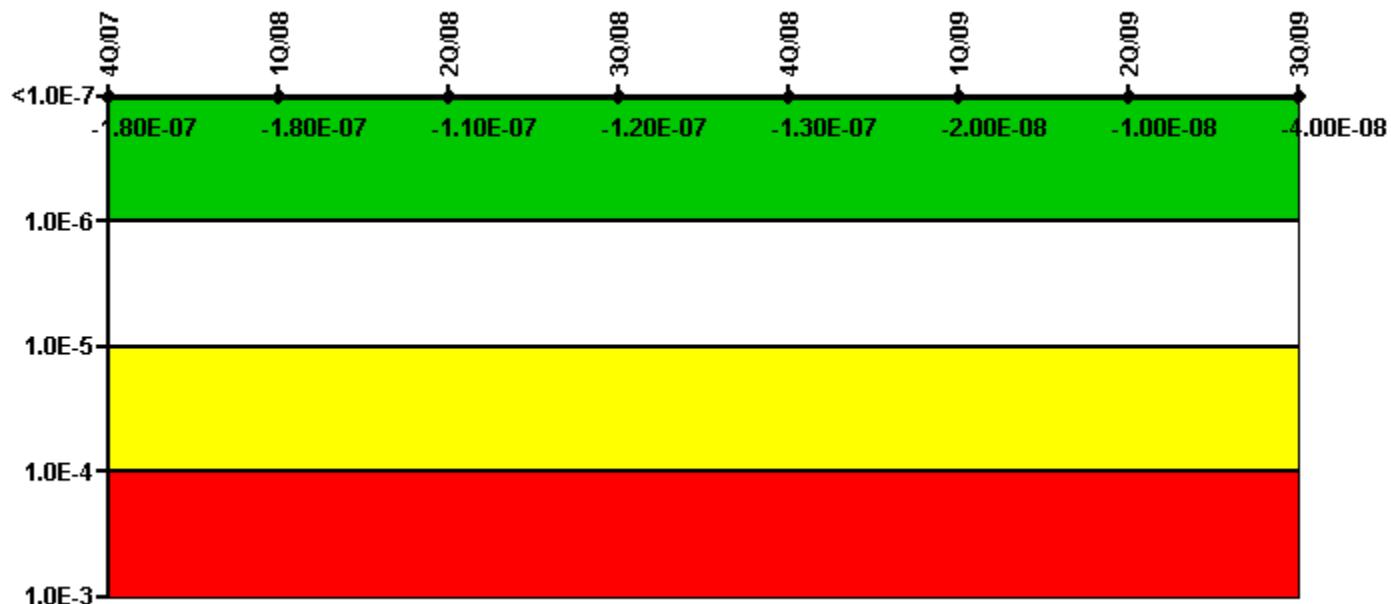
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-2.30E-08	-2.00E-08						
URI (Δ CDF)	-8.90E-08	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-6.60E-08	-6.70E-08	-6.70E-08
PLE	NO							
Indicator value	-1.12E-07	-8.60E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.70E-08	-8.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



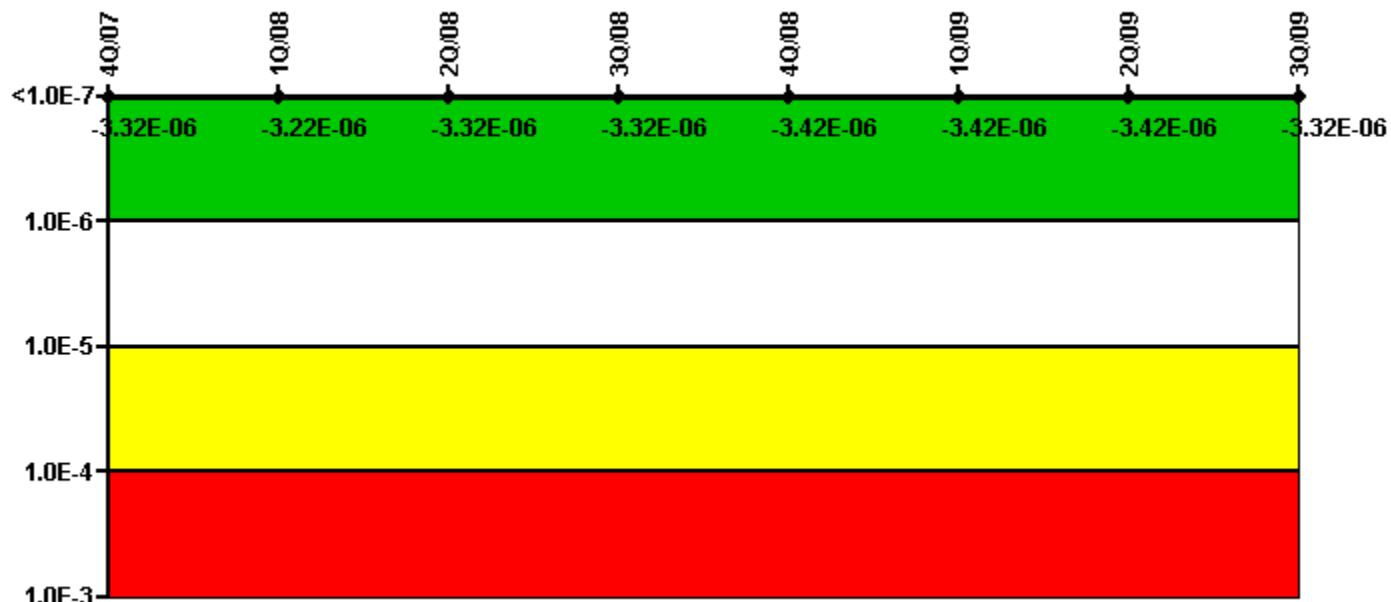
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.90E-07	1.90E-07	2.60E-07	2.50E-07	2.40E-07	3.50E-07	3.60E-07	3.30E-07
URI (Δ CDF)	-3.70E-07							
PLE	NO							
Indicator value	-1.80E-07	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07	-2.00E-08	-1.00E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

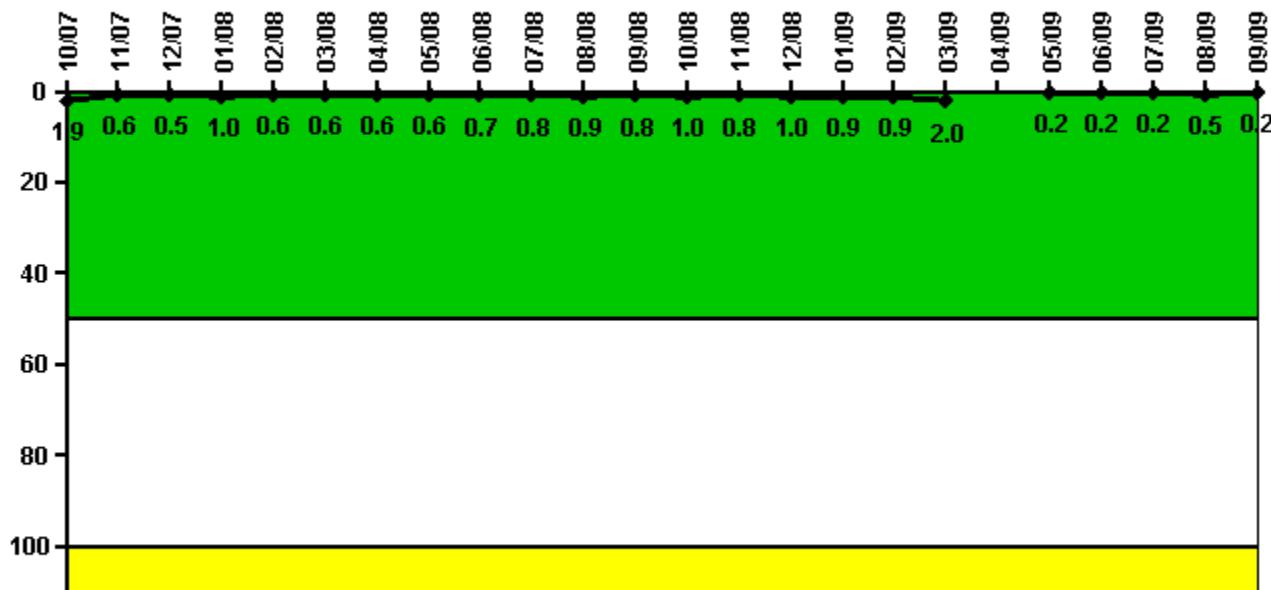
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-3.10E-06	-3.00E-06	-3.10E-06	-3.10E-06	-3.20E-06	-3.20E-06	-3.20E-06	-3.10E-06
URI (Δ CDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.32E-06	-3.22E-06	-3.32E-06	-3.32E-06	-3.42E-06	-3.42E-06	-3.42E-06	-3.32E-06

Licensee Comments:

3Q/09: Changed PRA Parameter(s).

Reactor Coolant System Activity



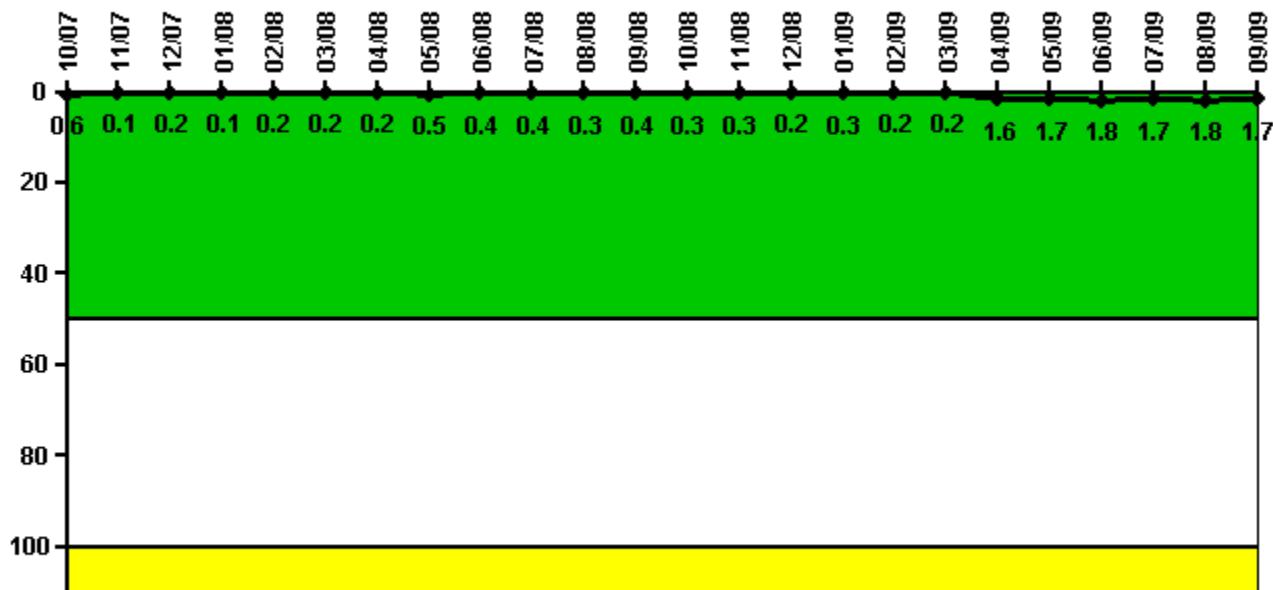
Thresholds: White > 50.0 Yellow > 100.0

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	0.006488	0.001952	0.001923	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.9	0.6	0.5	1.0	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.8
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	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078	N/A	0.000719	0.000740	0.000747	0.001753	0.000803
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.0	0.8	1.0	0.9	0.9	2.0	N/A	0.2	0.2	0.2	0.5	0.2

Licensee Comments: none

Reactor Coolant System Leakage



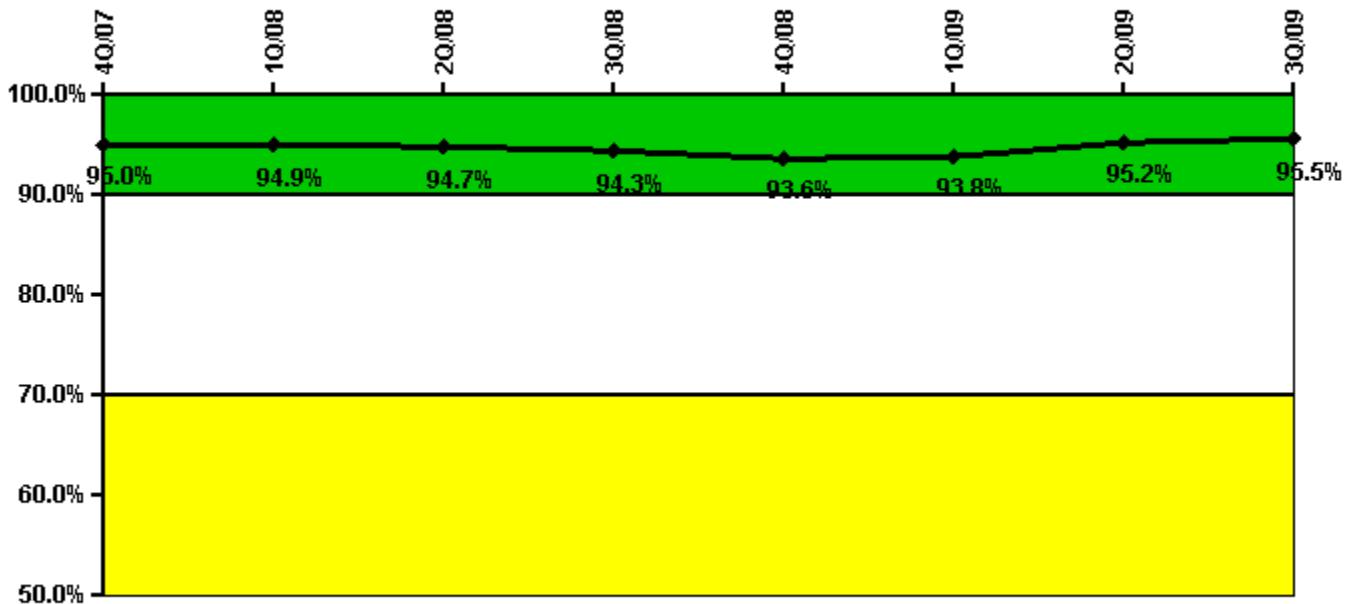
Thresholds: White > 50.0 Yellow > 100.0

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	0.060	0.010	0.020	0.010	0.020	0.020	0.020	0.050	0.040	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.1	0.2	0.1	0.2	0.2	0.2	0.5	0.4	0.4	0.3	0.4
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	0.030	0.030	0.020	0.030	0.020	0.020	0.160	0.170	0.180	0.170	0.180	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.3	0.2	0.2	1.6	1.7	1.8	1.7	1.8	1.7

Licensee Comments: none

Drill/Exercise Performance



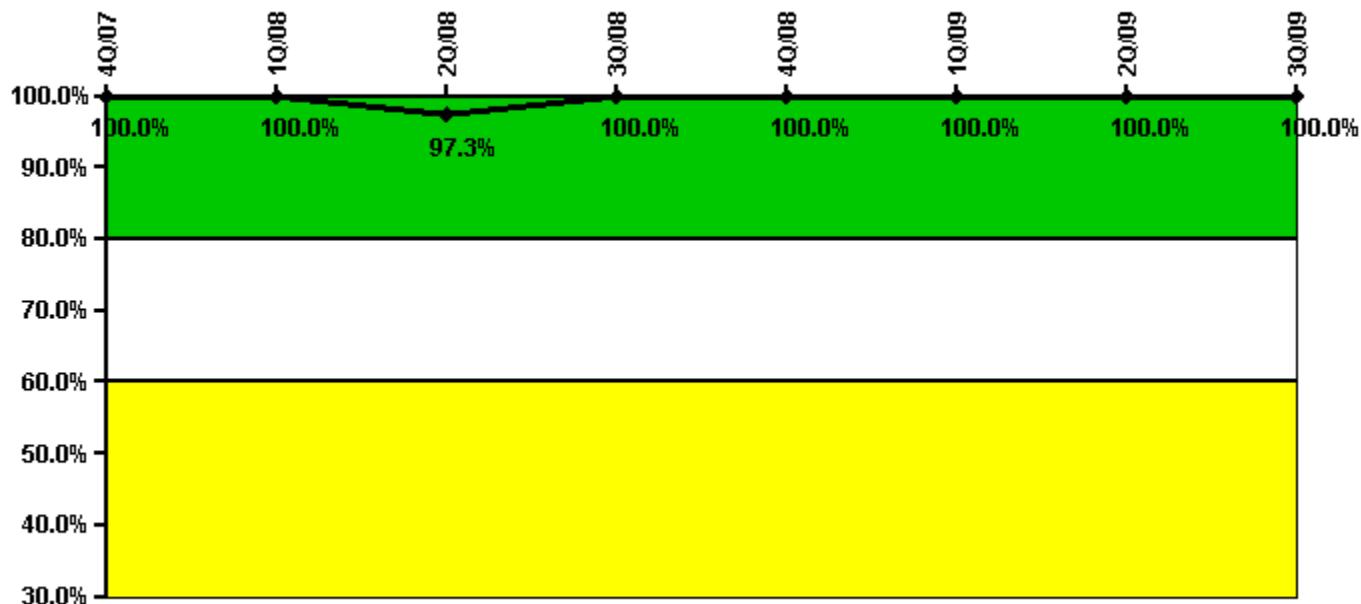
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	30.0	4.0	11.0	42.0	39.0	21.0	40.0	49.0
Total opportunities	32.0	4.0	12.0	43.0	44.0	22.0	40.0	50.0
Indicator value	95.0%	94.9%	94.7%	94.3%	93.6%	93.8%	95.2%	95.5%

Licensee Comments: none

ERO Drill Participation



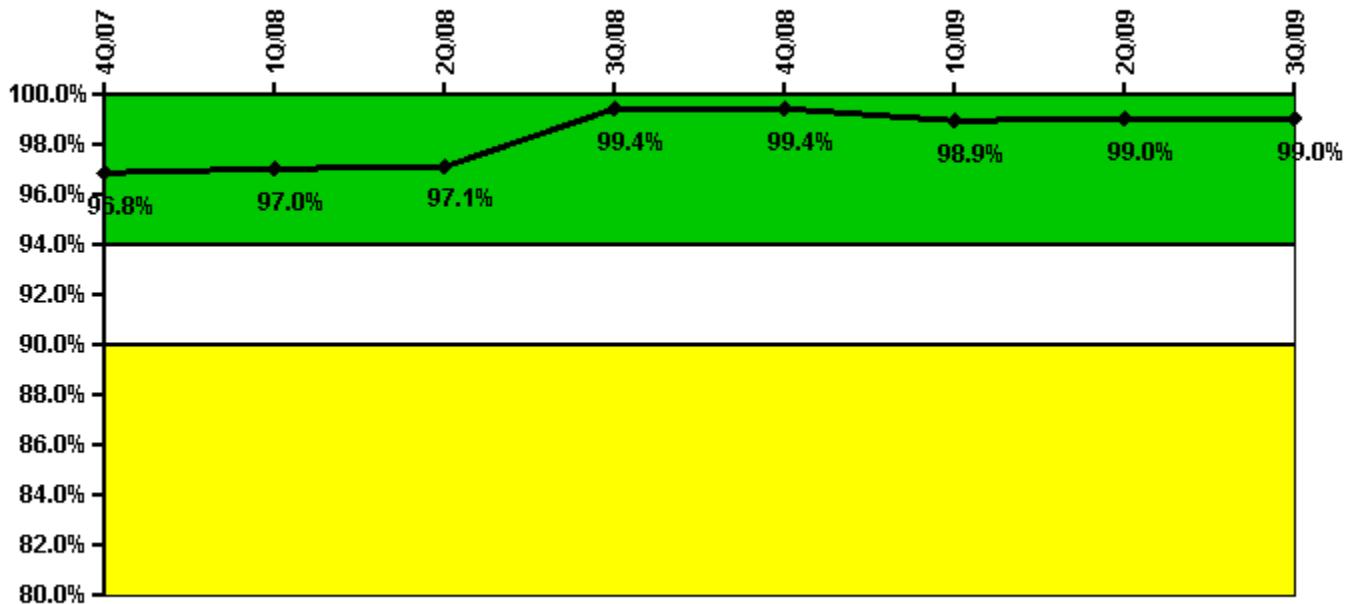
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	88.0	83.0	73.0	87.0	82.0	86.0	79.0	76.0
Total Key personnel	88.0	83.0	75.0	87.0	82.0	86.0	79.0	76.0
Indicator value	100.0%	100.0%	97.3%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



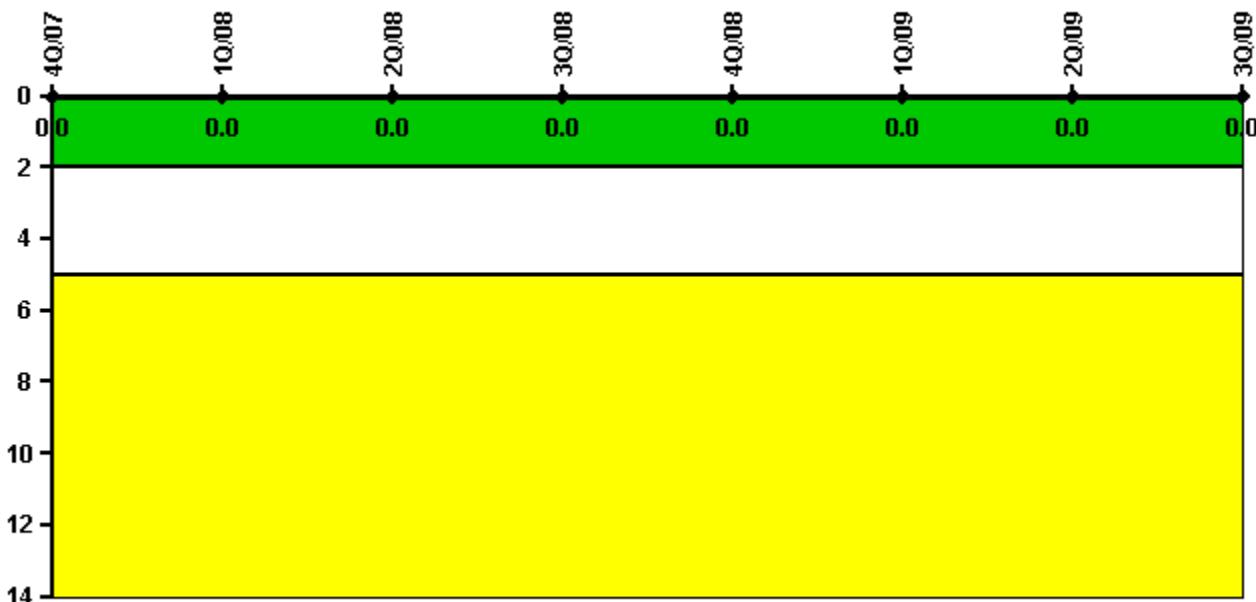
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	964	754	753	751	961	634	969	858
Total sirens-tests	972	756	756	756	972	648	972	864
Indicator value	96.8%	97.0%	97.1%	99.4%	99.4%	98.9%	99.0%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



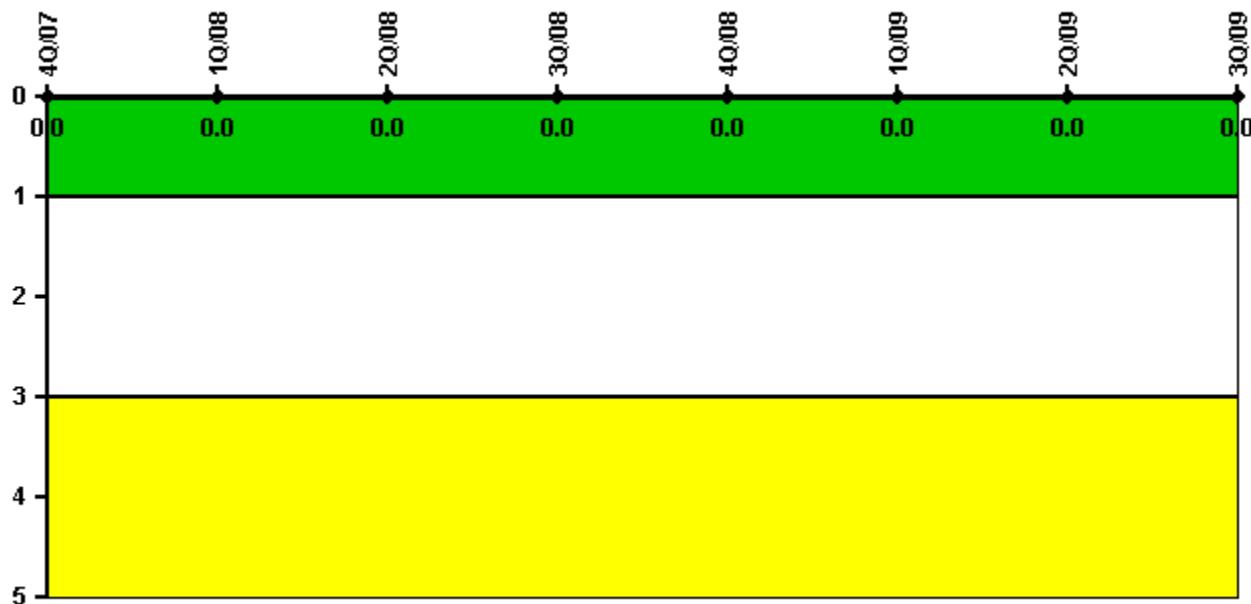
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

[Security](#) information not publicly available.

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4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



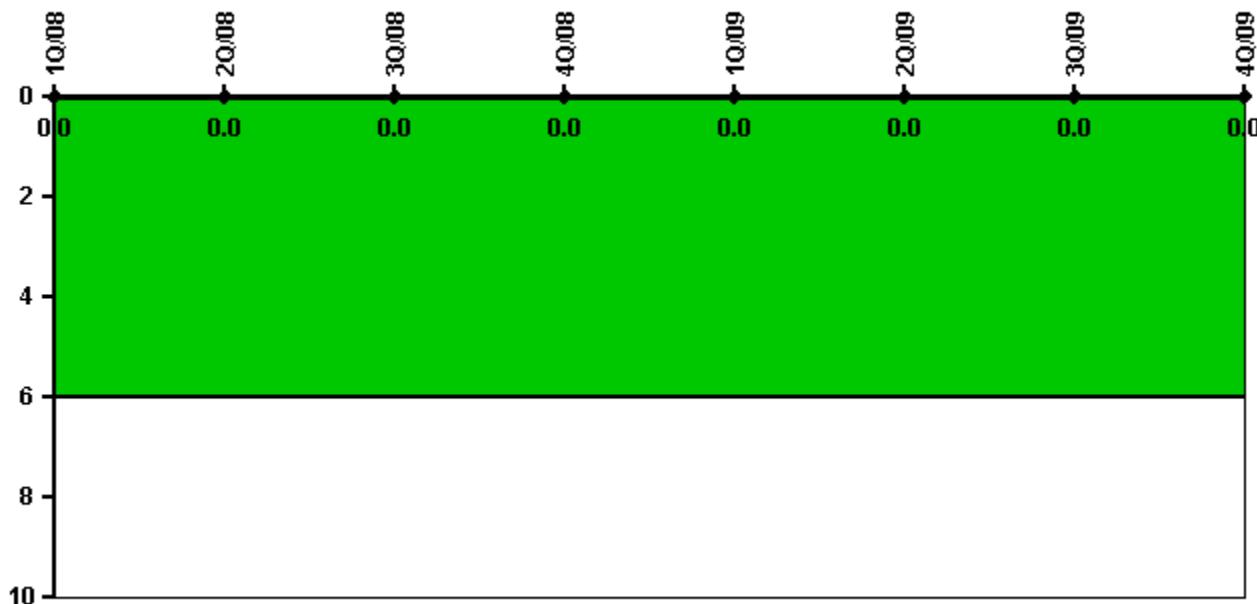
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	2.0	0	0
Critical hours	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0.8	0.8	2.7	2.7	2.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



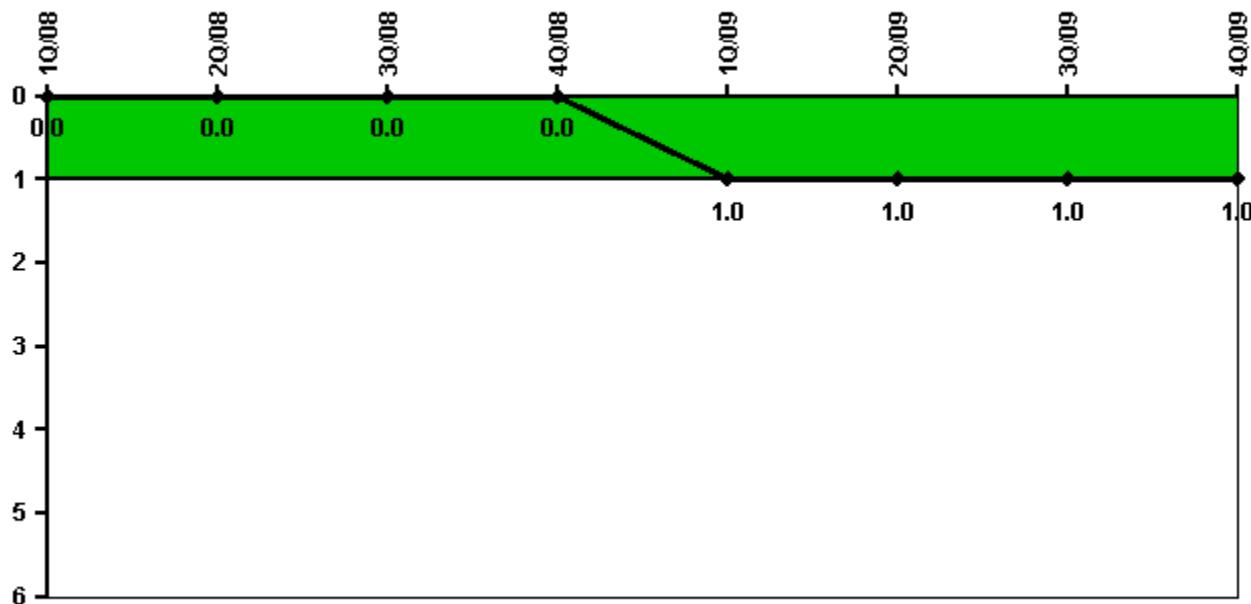
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2145.1	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



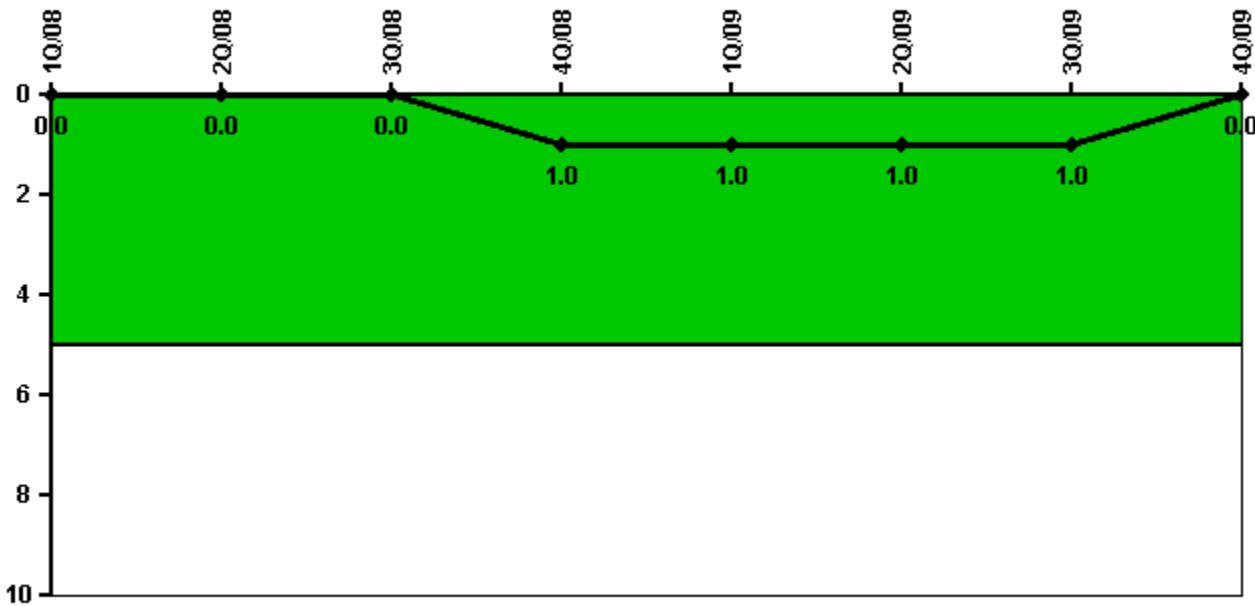
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (PWR)



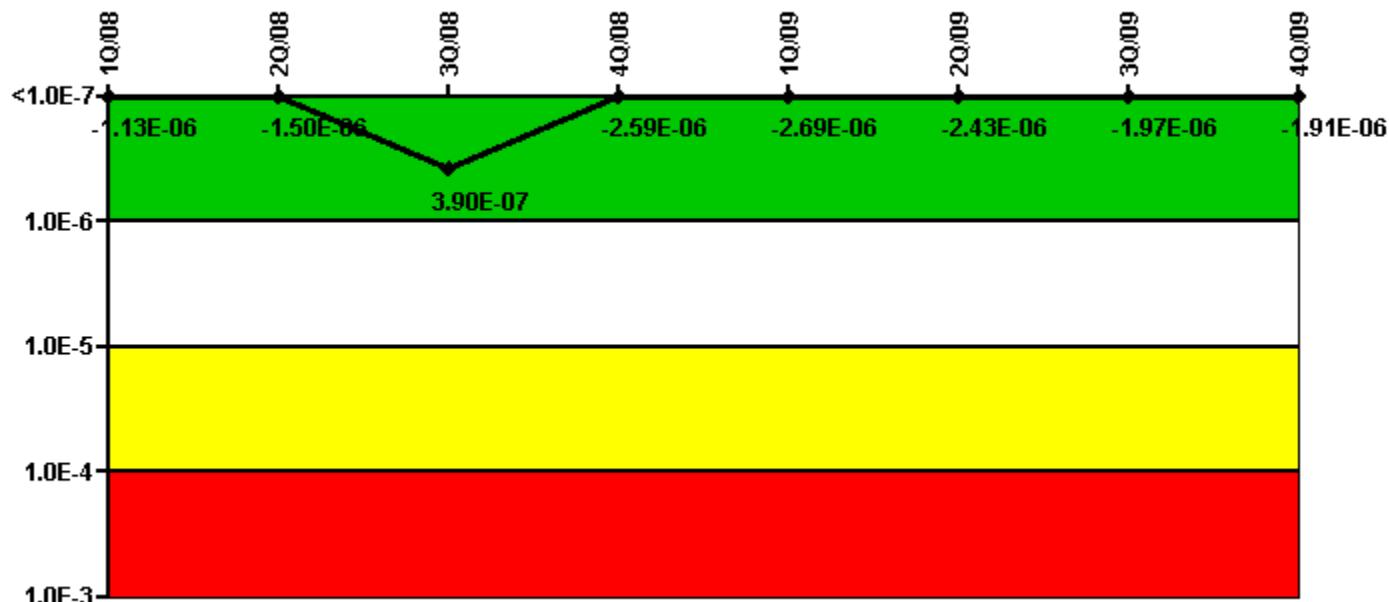
Thresholds: White > 5.0

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	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



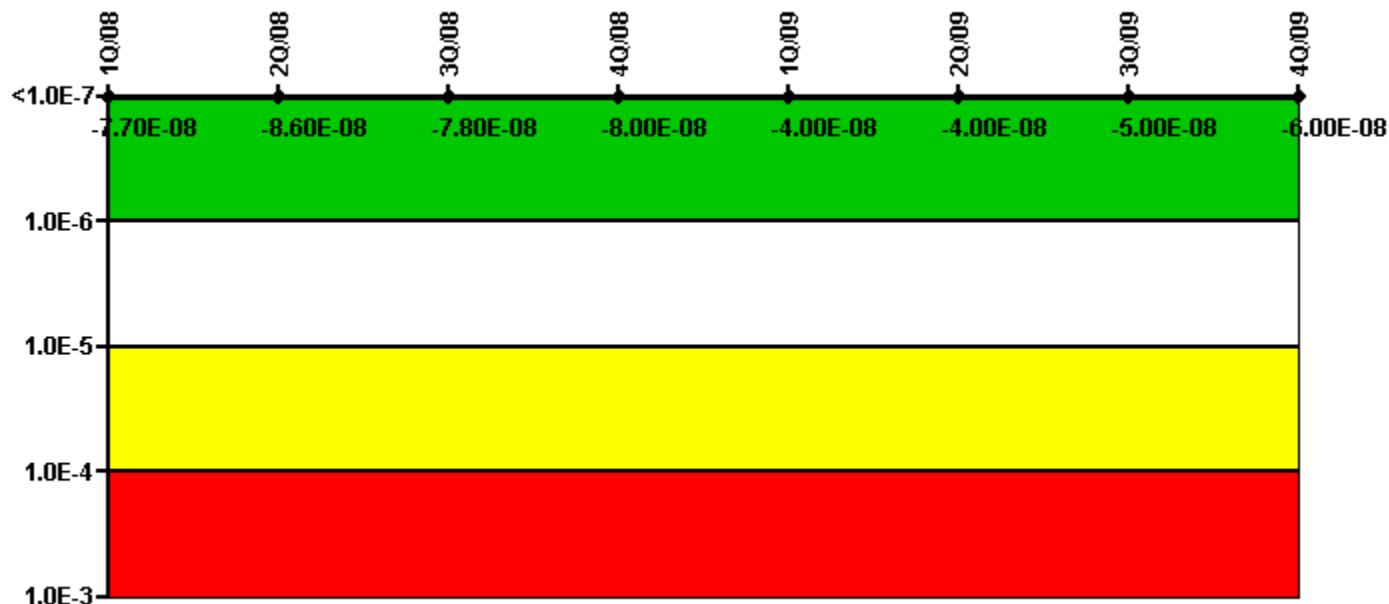
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.70E-07	-2.00E-07	-2.90E-07	-2.90E-07	-2.90E-07	-3.20E-08	3.40E-08	-7.00E-09
URI (Δ CDF)	-1.30E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06	-2.40E-06	-2.00E-06	-1.90E-06
PLE	NO							
Indicator value	-1.13E-06	-1.50E-06	3.90E-07	-2.59E-06	-2.69E-06	-2.43E-06	-1.97E-06	-1.91E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



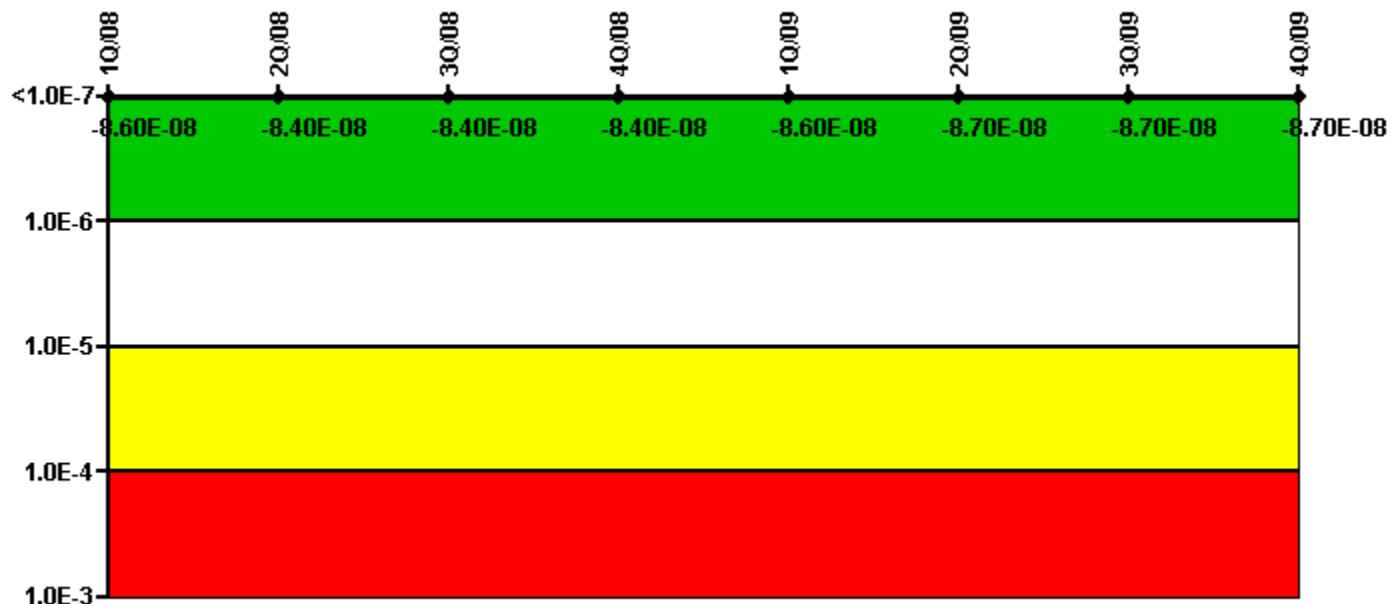
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	9.30E-08	8.40E-08	9.20E-08	9.00E-08	1.30E-07	1.30E-07	1.20E-07	1.10E-07
URI (Δ CDF)	-1.70E-07							
PLE	NO							
Indicator value	-7.70E-08	-8.60E-08	-7.80E-08	-8.00E-08	-4.00E-08	-4.00E-08	-5.00E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



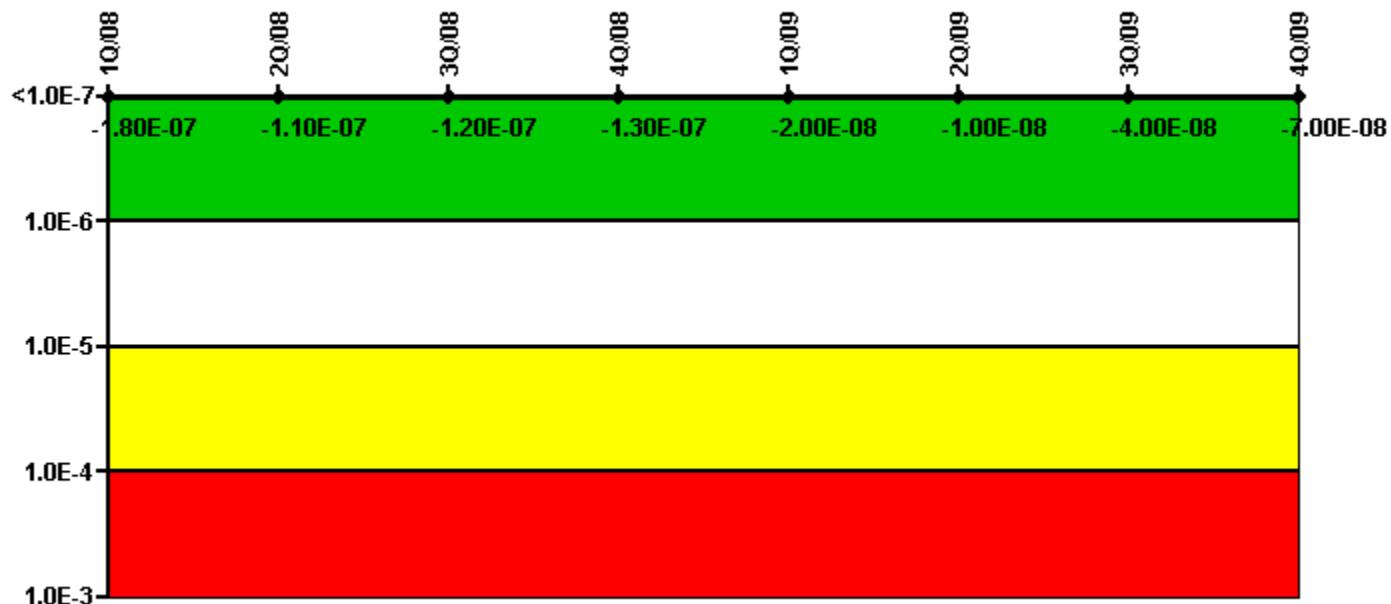
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.00E-08							
URI (Δ CDF)	-6.60E-08	-6.40E-08	-6.40E-08	-6.40E-08	-6.60E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO							
Indicator value	-8.60E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.70E-08	-8.70E-08	-8.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



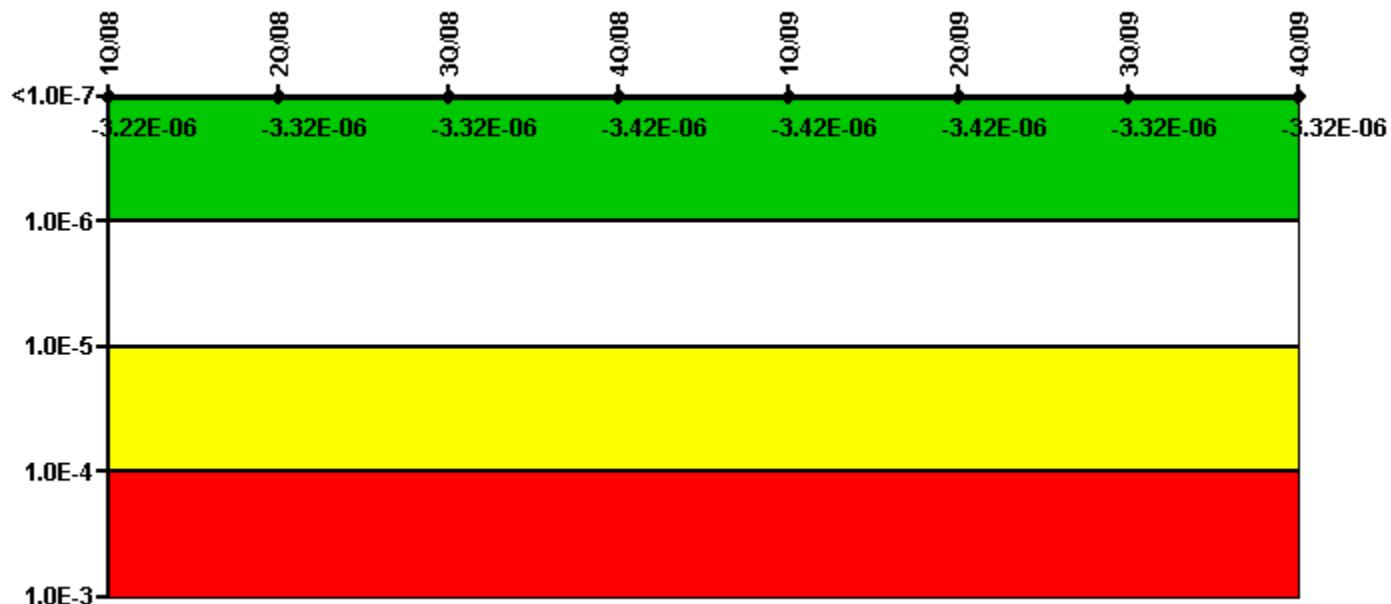
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.90E-07	2.60E-07	2.50E-07	2.40E-07	3.50E-07	3.60E-07	3.30E-07	3.00E-07
URI (Δ CDF)	-3.70E-07							
PLE	NO							
Indicator value	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07	-2.00E-08	-1.00E-08	-4.00E-08	-7.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

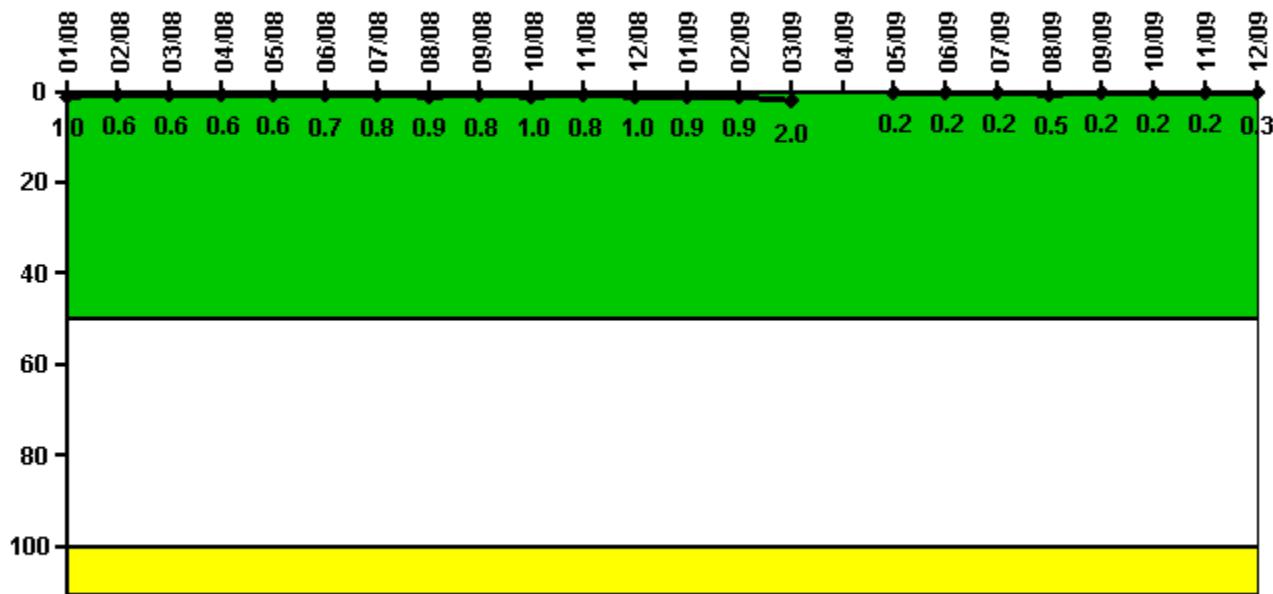
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-3.00E-06	-3.10E-06	-3.10E-06	-3.20E-06	-3.20E-06	-3.20E-06	-3.10E-06	-3.10E-06
URI (Δ CDF)	-2.20E-07							
PLE	NO							
Indicator value	-3.22E-06	-3.32E-06	-3.32E-06	-3.42E-06	-3.42E-06	-3.42E-06	-3.32E-06	-3.32E-06

Licensee Comments:

4Q/09: Changed PRA Parameter(s).

Reactor Coolant System Activity



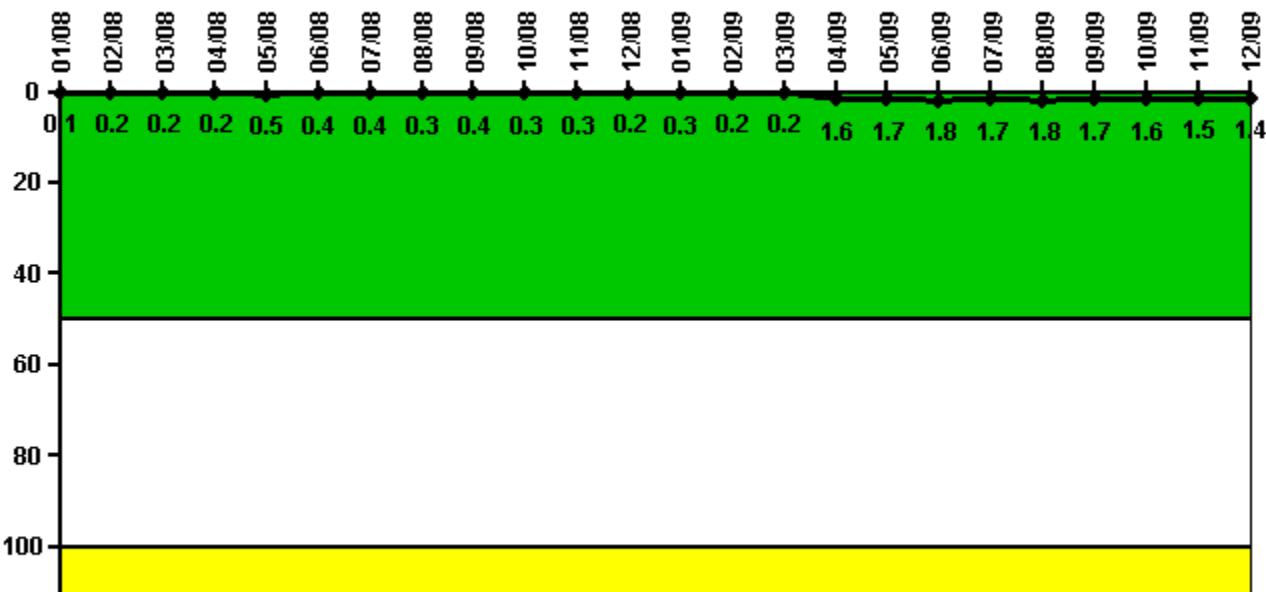
Thresholds: White > 50.0 Yellow > 100.0

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	0.003438	0.002020	0.002169	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.0	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.8	1.0	0.8	1.0
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	0.003055	0.002984	0.007078	N/A	0.000719	0.000740	0.000747	0.001753	0.000803	0.000850	0.000852	0.000917
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.9	0.9	2.0	N/A	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.3

Licensee Comments: none

Reactor Coolant System Leakage



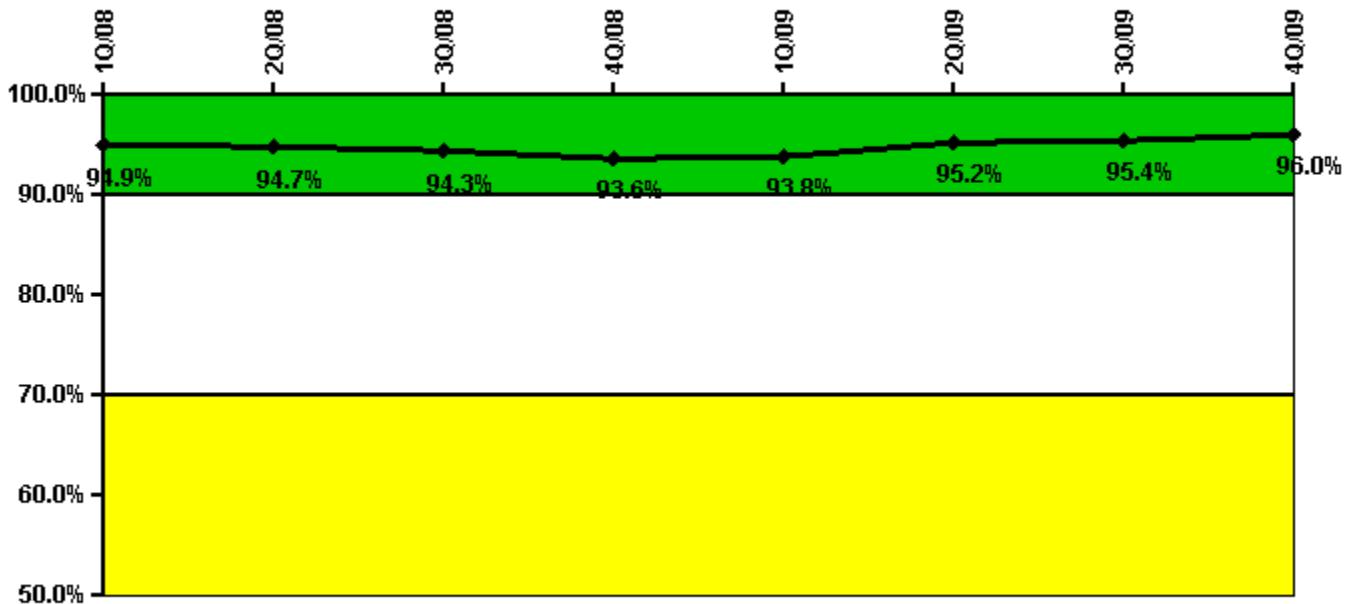
Thresholds: White > 50.0 Yellow > 100.0

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	0.010	0.020	0.020	0.020	0.050	0.040	0.040	0.030	0.040	0.030	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.2	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.030	0.020	0.020	0.160	0.170	0.180	0.170	0.180	0.170	0.160	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.2	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4

Licensee Comments: none

Drill/Exercise Performance



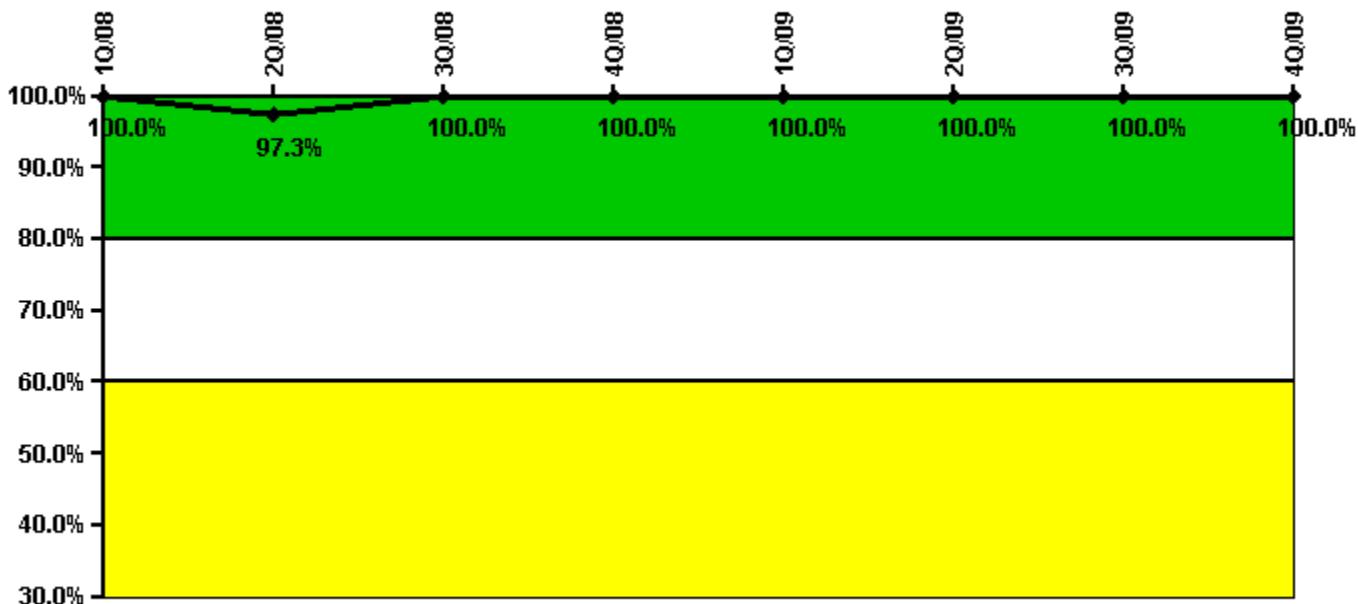
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	4.0	11.0	42.0	39.0	21.0	40.0	41.0	16.0
Total opportunities	4.0	12.0	43.0	44.0	22.0	40.0	42.0	16.0
Indicator value	94.9%	94.7%	94.3%	93.6%	93.8%	95.2%	95.4%	96.0%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

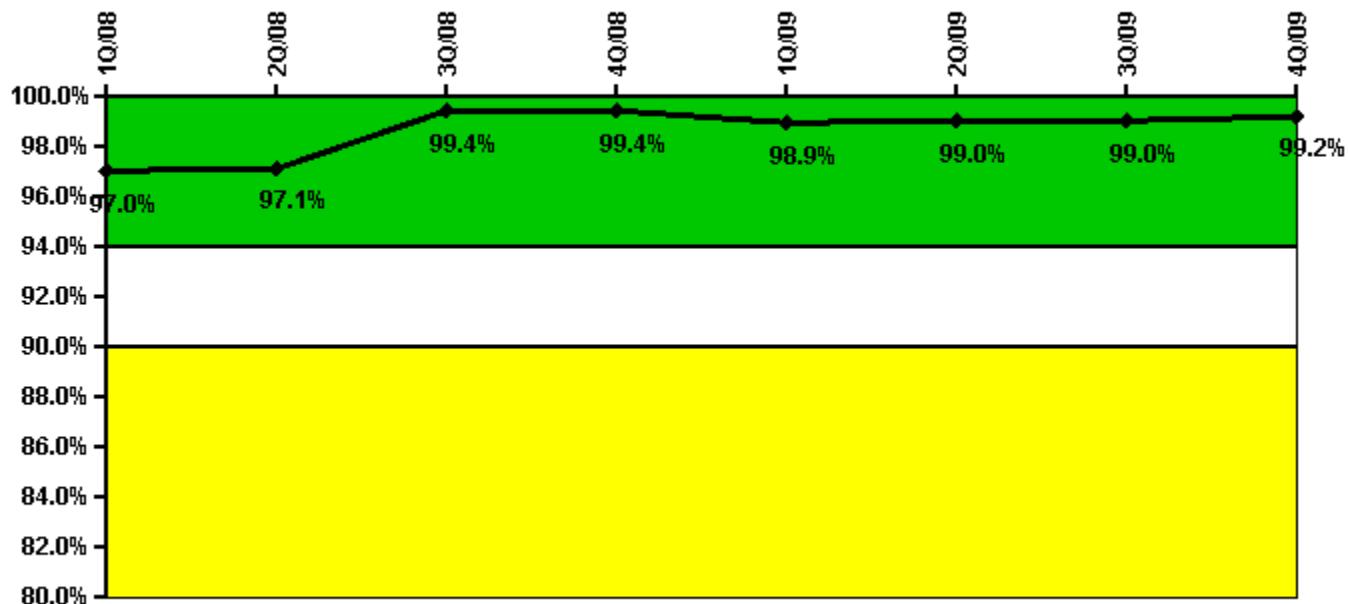
Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	83.0	73.0	87.0	82.0	86.0	79.0	76.0	79.0
Total Key personnel	83.0	75.0	87.0	82.0	86.0	79.0	76.0	79.0
Indicator value	100.0%	97.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

4Q/09: FAQ 09-10 introduced at December 2009 ROP Task Force Meeting.

Alert & Notification System



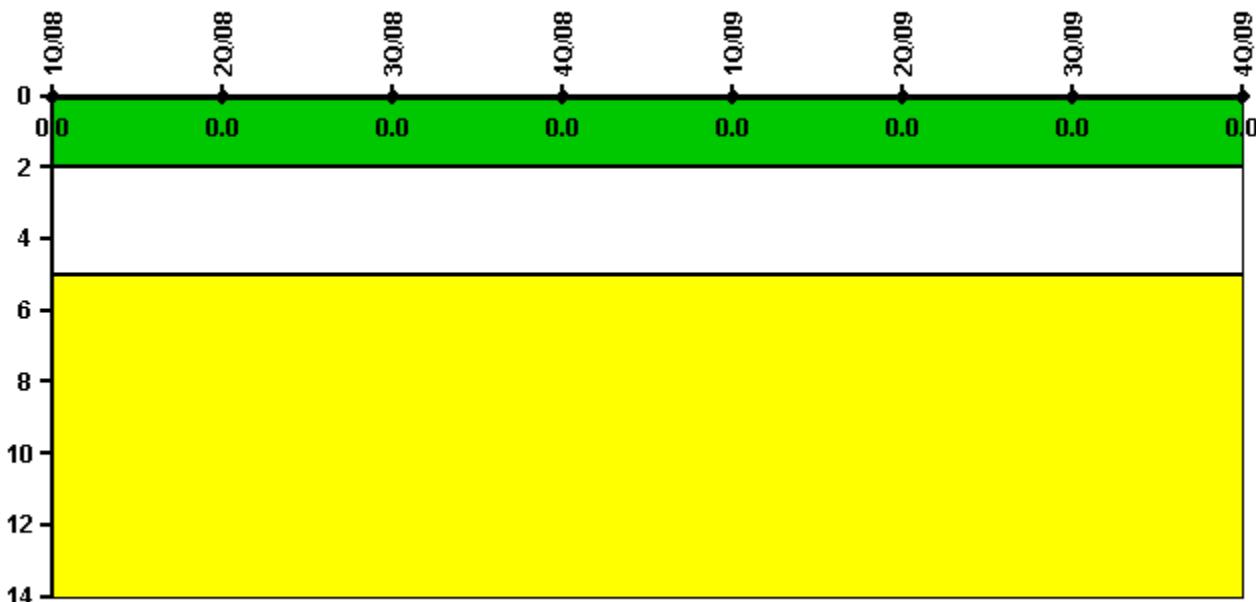
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	754	753	751	961	634	969	858	969
Total sirens-tests	756	756	756	972	648	972	864	972
Indicator value	97.0%	97.1%	99.4%	99.4%	98.9%	99.0%	99.0%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



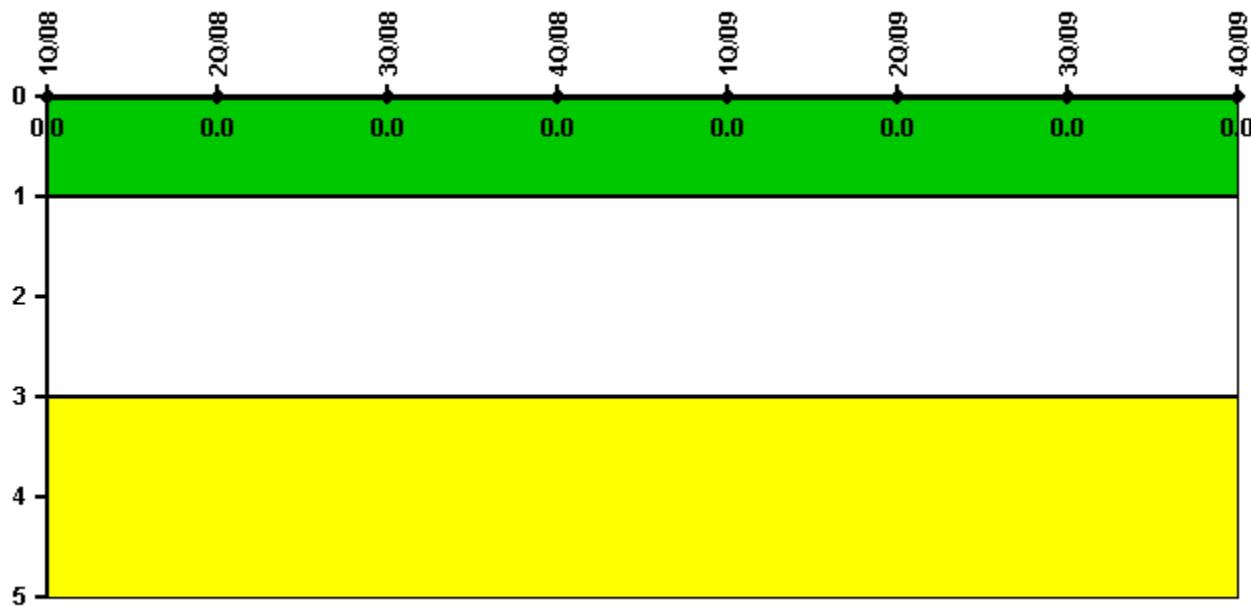
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

[Security](#) information not publicly available.



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

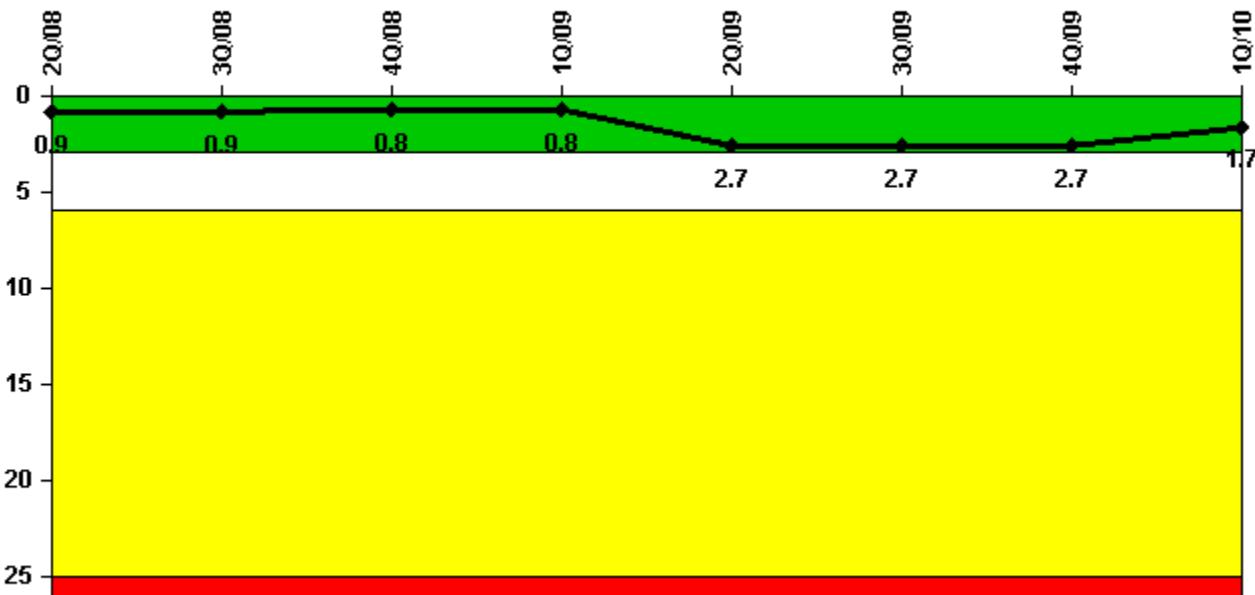
Last Modified: January 22, 2010

Sequoyah 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



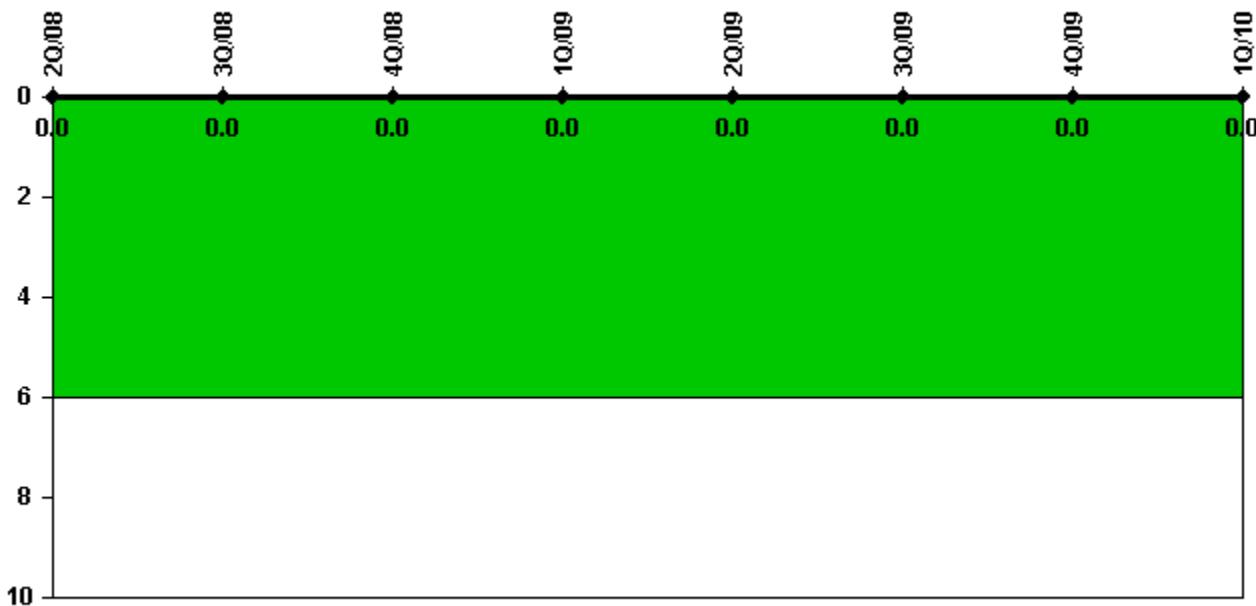
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0.8	0.8	2.7	2.7	2.7	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



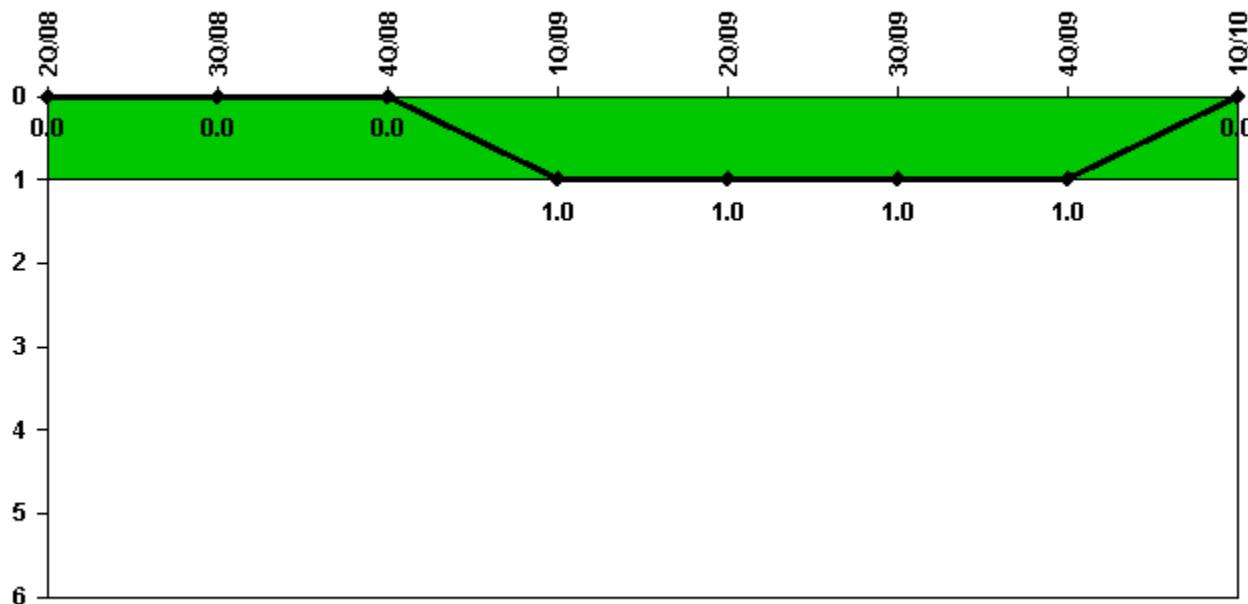
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



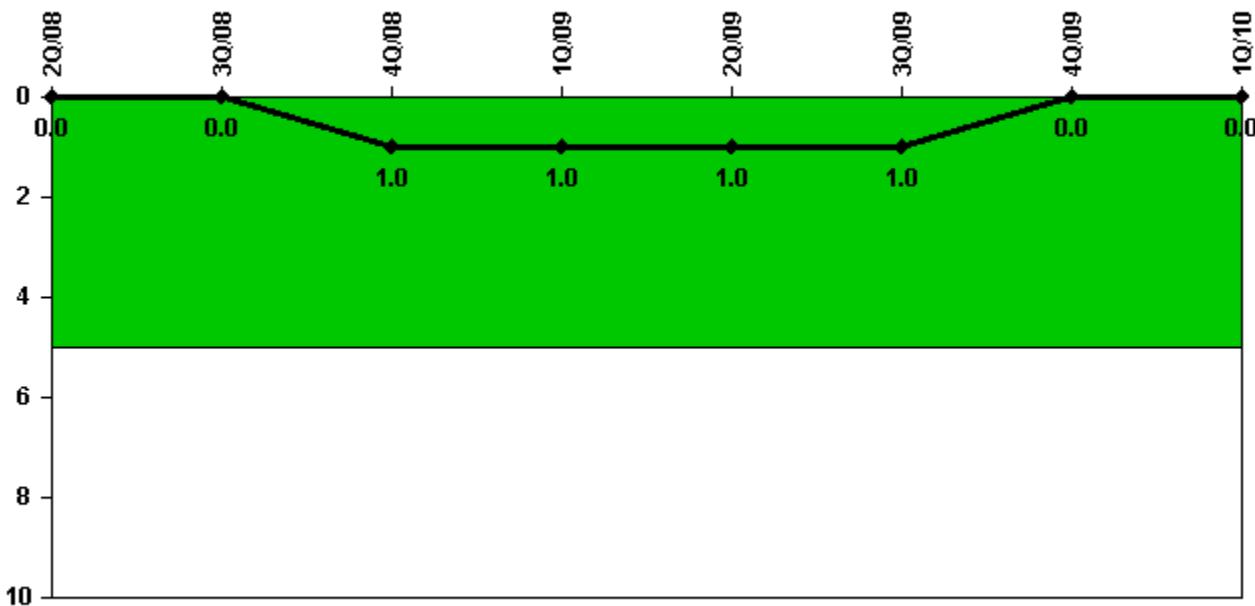
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



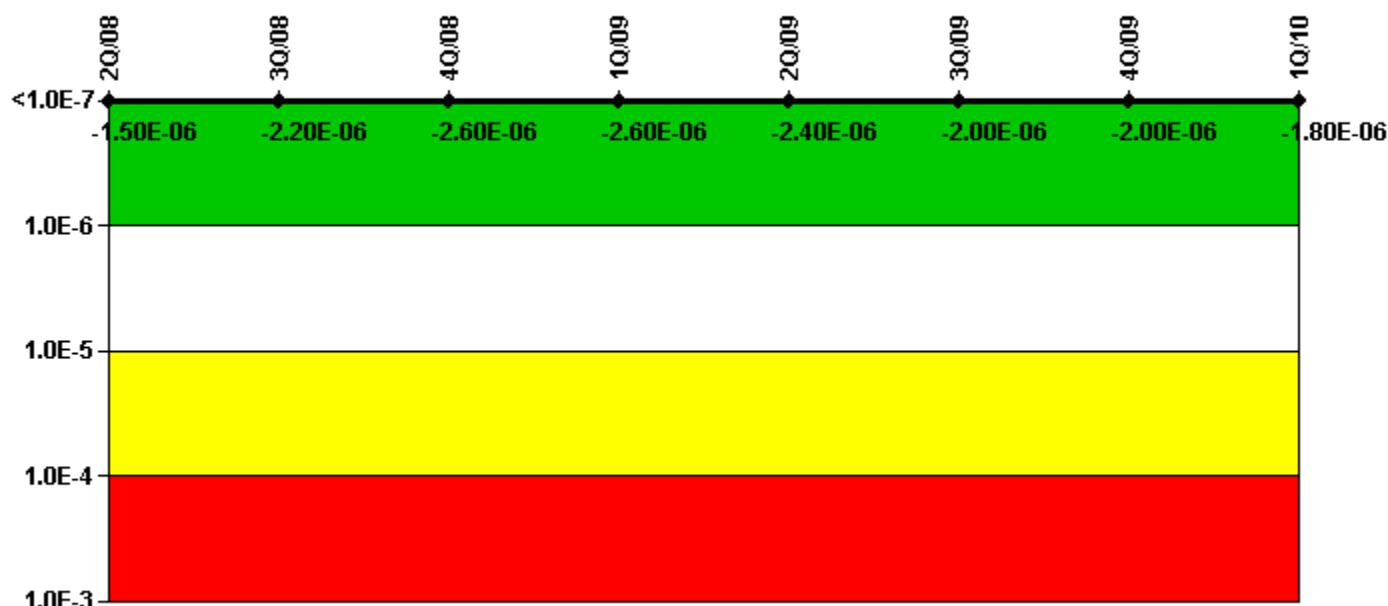
Thresholds: White > 5.0

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	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.99E-07	-2.93E-07	-2.94E-07	-2.94E-07	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07
URI (Δ CDF)	-1.33E-06	-1.87E-06	-2.31E-06	-2.35E-06	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06
PLE	NO							
Indicator value	-1.50E-06	-2.20E-06	-2.60E-06	-2.60E-06	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06

Licensee Comments:

3Q/08: Risk Cap Invoked. The risk cap is not invoked.

2Q/08: Risk Cap Invoked. Revised all quarterly data within the 3 yr reporting window for the following corrections. Planned unavailable hours due to SSPS testing on U1 were removed from the U2 indicator and vice versa. Unavailable hours included while the applicable unit was not critical were subtracted. Also, baseline planned unavailability was updated for these same conditions. These changes made in accordance with Sequoyah PER 135288. BPK7/11/08

1Q/08: Risk Cap Invoked. An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

4Q/07: Risk Cap Invoked. The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. failure record 1088 updated for MSPI failure no. Failed components were outside the monitoring boundary. BPK 1/16/08

2Q/07: Risk Cap Invoked.

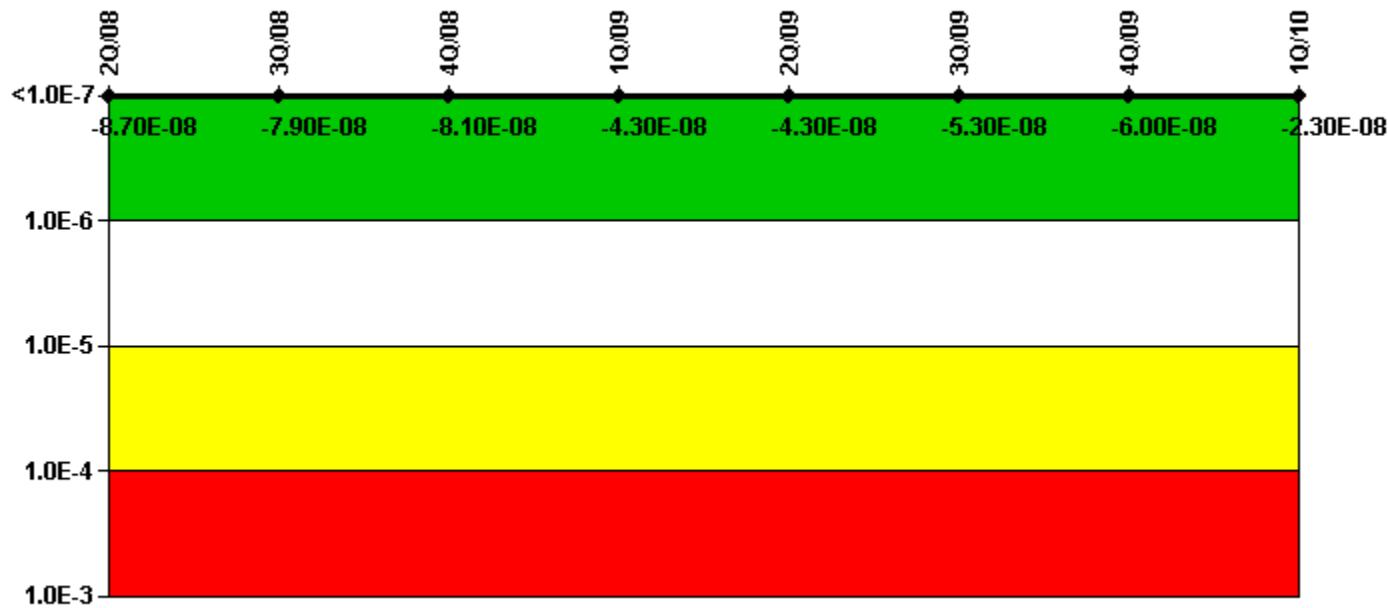
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked. failure record 1057 updated to MSPI failure no. Failed equipment was outside the monitoring boundary. BPK 1/16/08

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	8.37E-08	9.16E-08	9.01E-08	1.28E-07	1.27E-07	1.17E-07	1.11E-07	1.47E-07
URI (Δ CDF)	-1.71E-07							
PLE	NO							
Indicator value	-8.70E-08	-7.90E-08	-8.10E-08	-4.30E-08	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08

Licensee Comments:

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

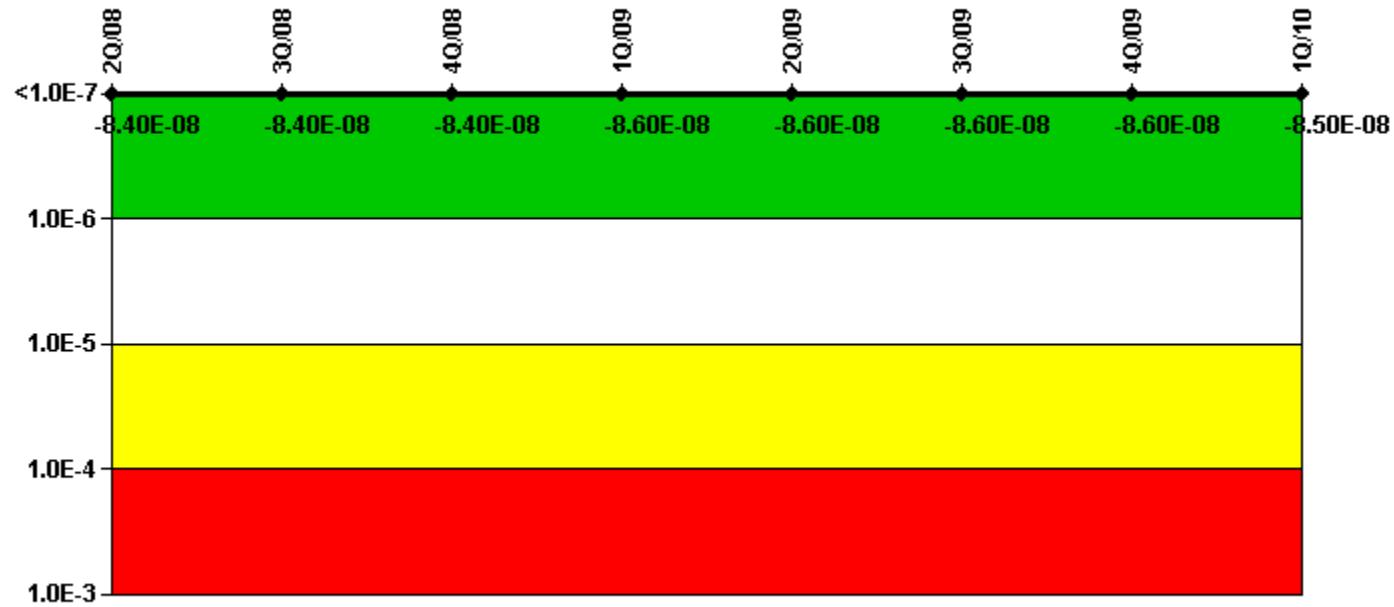
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, Heat Removal System



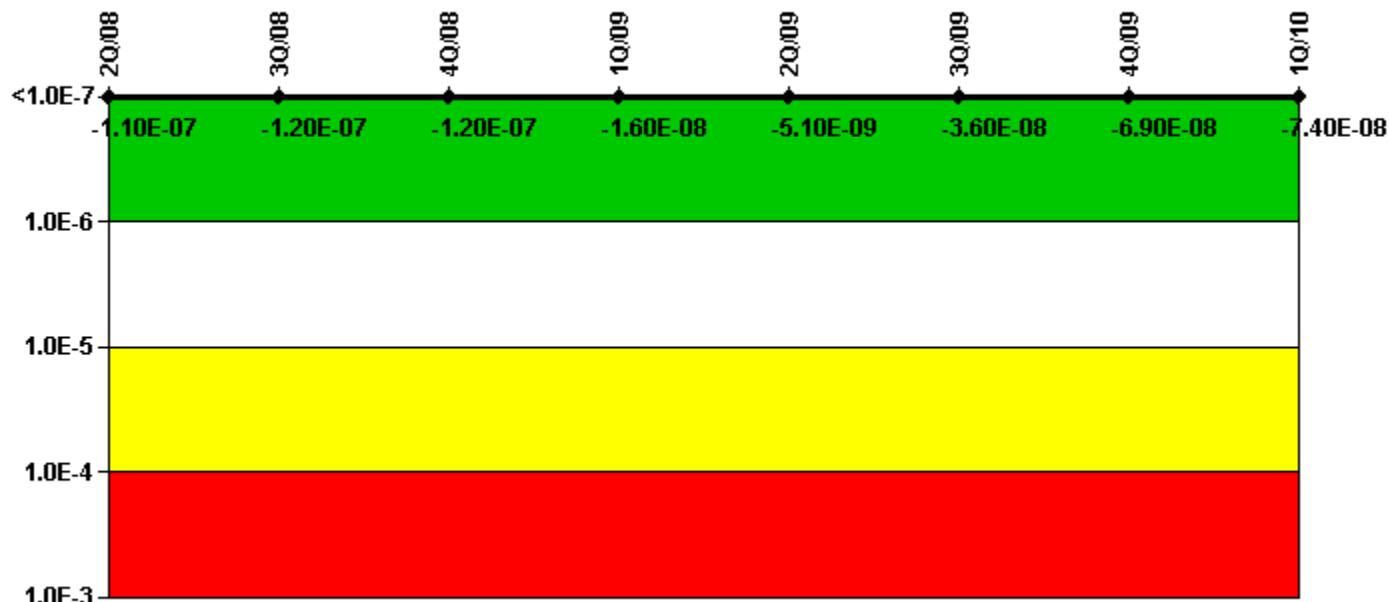
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.99E-08	-1.99E-08	-1.99E-08	-1.99E-08	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08
URI (Δ CDF)	-6.41E-08	-6.41E-08	-6.41E-08	-6.63E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08
PLE	NO							
Indicator value	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	2.58E-07	2.46E-07	2.44E-07	3.50E-07	3.61E-07	3.30E-07	2.97E-07	2.92E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-1.10E-07	-1.20E-07	-1.20E-07	-1.60E-08	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08

Licensee Comments:

2Q/07: Risk Cap Invoked.

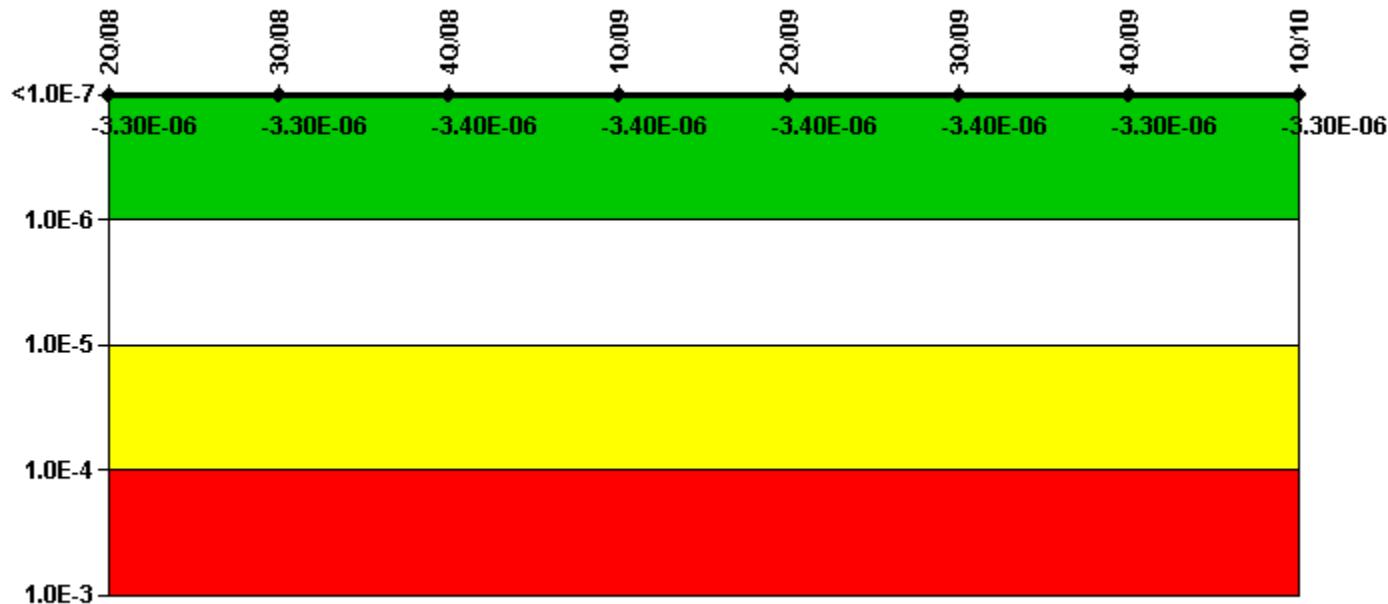
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked.

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)	-3.06E-06	-3.07E-06	-3.18E-06	-3.17E-06	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06

Licensee Comments:

1Q/09: Routine planned unavailability baseline update.

3Q/08: Adjusted planned unavailability baselines for non-routine planned maintenance on ERCW pumps.

1Q/08: Adjusted the planned unavailability baselines for non-routine maintenance that occurred this quarter and removed that which occurred more than 12 quarters ago.

4Q/07: 1) Rebuild of ERCW Pump Q-A started 12/09/07 to complete the end of January. Planned unavailability baseline for 4th quarter adjusted accordingly. 2) C-B Traveling Screen rebuild started in Sept & extended into Oct. Planned unavailability baseline for ERCW N-B & P-B pumps adjusted accordingly. 3) All ERCW pump planned unavailability baselines may have been adjusted due to applicable maintenance that occurred over 3 years ago and had adjusted the baseline(s).

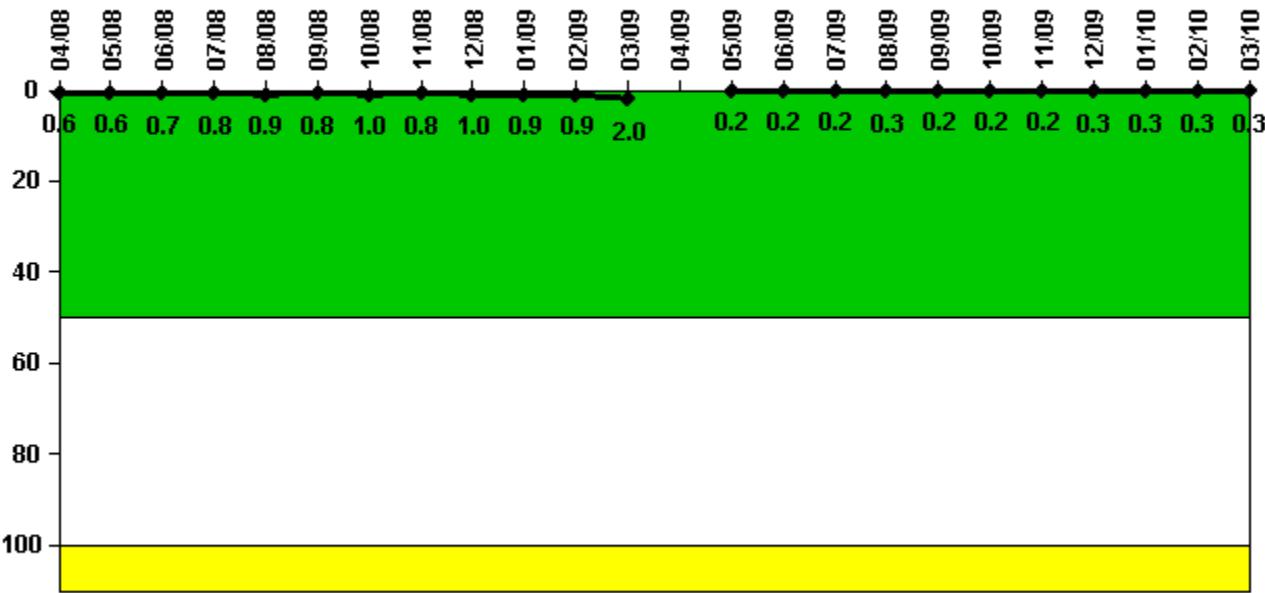
1Q/07: Updated the Planned Unavailability baselines for non-routine planned Maint.

4Q/06: Corrected Planned Unavailability Baseline.

3Q/06: Corrected Planned Unavailability Baseline.

2Q/06: Corrected Planned Unavailability Baseline.

Reactor Coolant System Activity



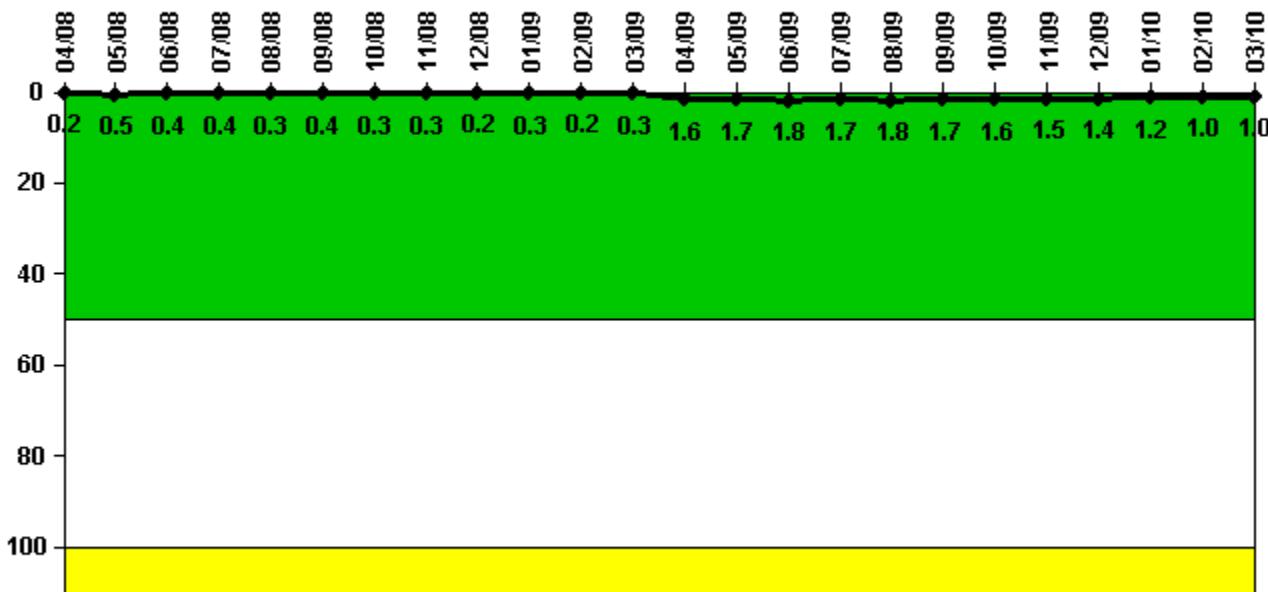
Thresholds: White > 50.0 Yellow > 100.0

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	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.7	0.8	0.9	0.8	1.0	0.8	1.0	0.9	0.9	2.0
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	N/A	0.000719	0.000740	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



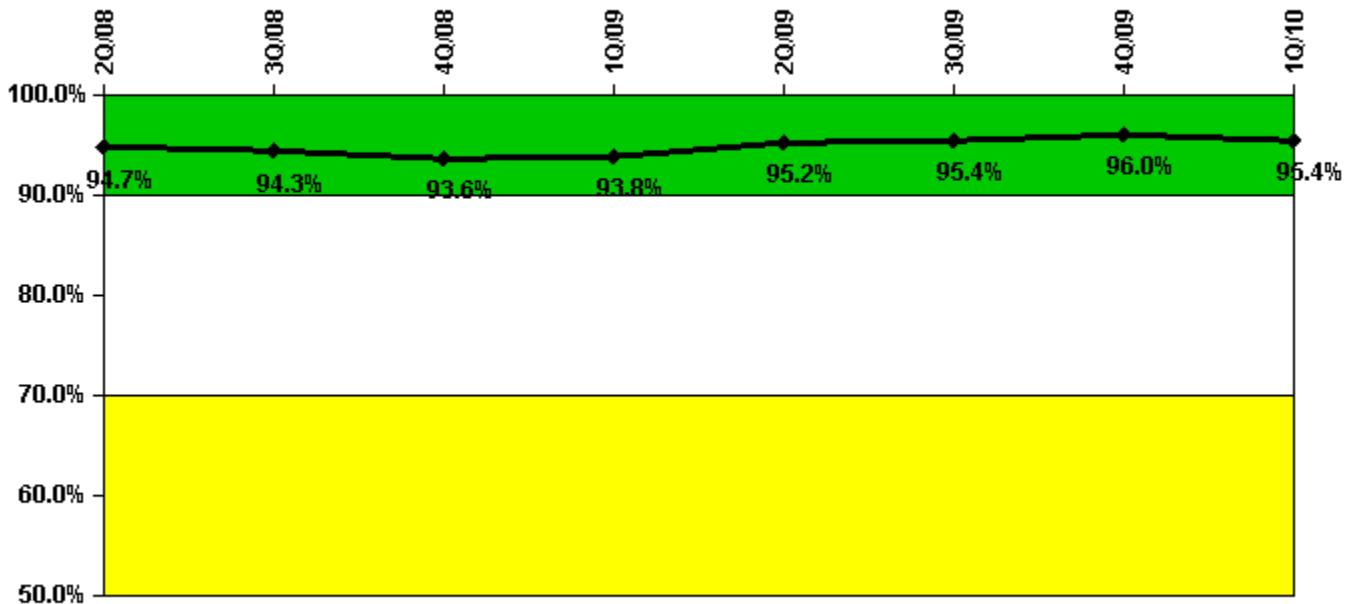
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.020	0.050	0.040	0.040	0.030	0.040	0.030	0.030	0.020	0.030	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.160	0.170	0.180	0.170	0.180	0.170	0.160	0.150	0.140	0.120	0.100	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	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4	1.2	1.0	1.0

Licensee Comments: none

Drill/Exercise Performance



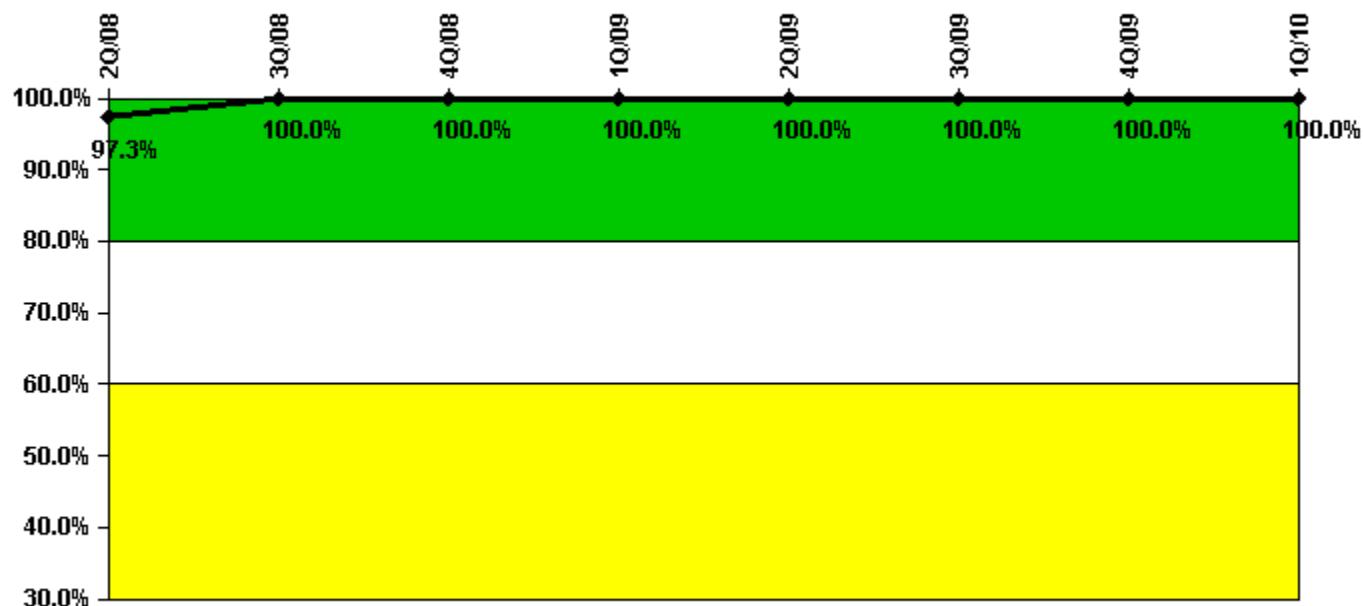
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	11.0	42.0	39.0	21.0	40.0	41.0	16.0	20.0
Total opportunities	12.0	43.0	44.0	22.0	40.0	42.0	16.0	22.0
Indicator value	94.7%	94.3%	93.6%	93.8%	95.2%	95.4%	96.0%	95.4%

Licensee Comments: none

ERO Drill Participation



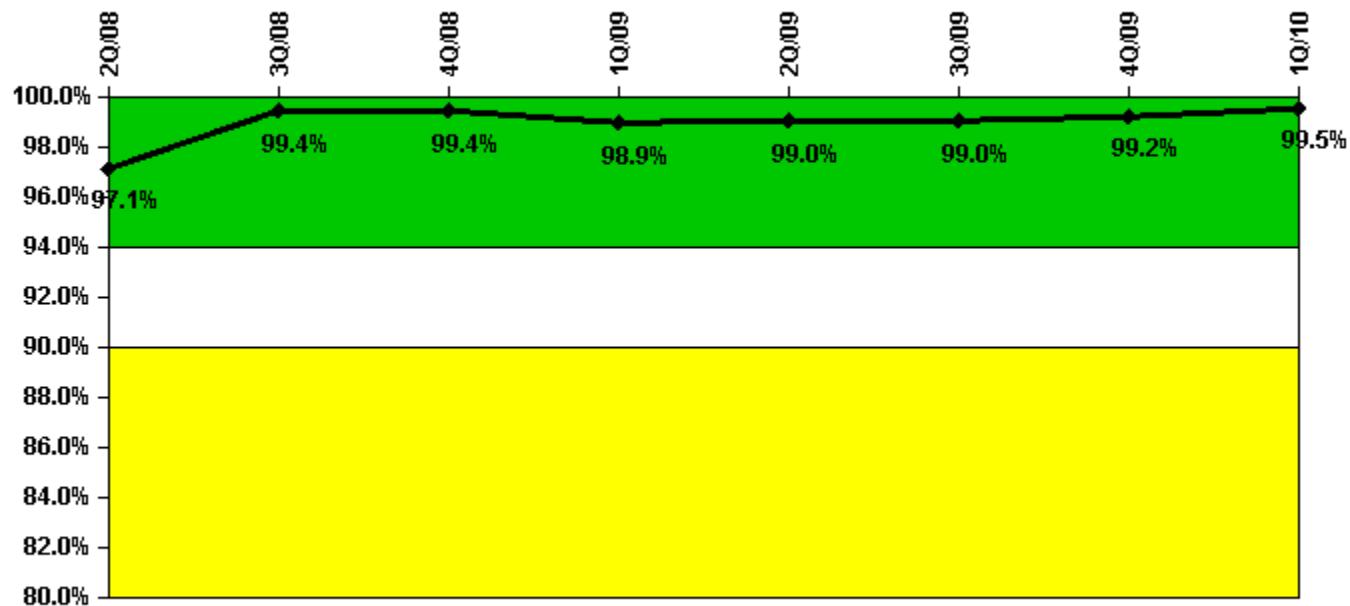
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	73.0	87.0	82.0	86.0	79.0	76.0	79.0	77.0
Total Key personnel	75.0	87.0	82.0	86.0	79.0	76.0	79.0	77.0
Indicator value	97.3%	100.0%						

Licensee Comments: none

Alert & Notification System



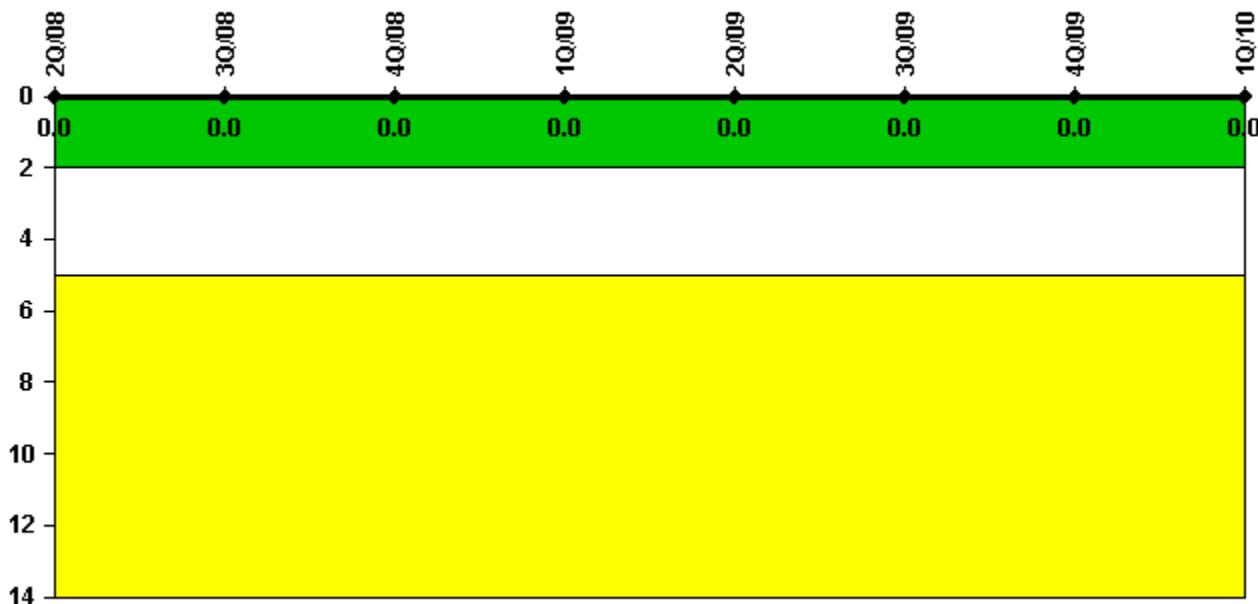
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	753	751	961	634	969	858	969	751
Total sirens-tests	756	756	972	648	972	864	972	756
Indicator value	97.1%	99.4%	99.4%	98.9%	99.0%	99.0%	99.2%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



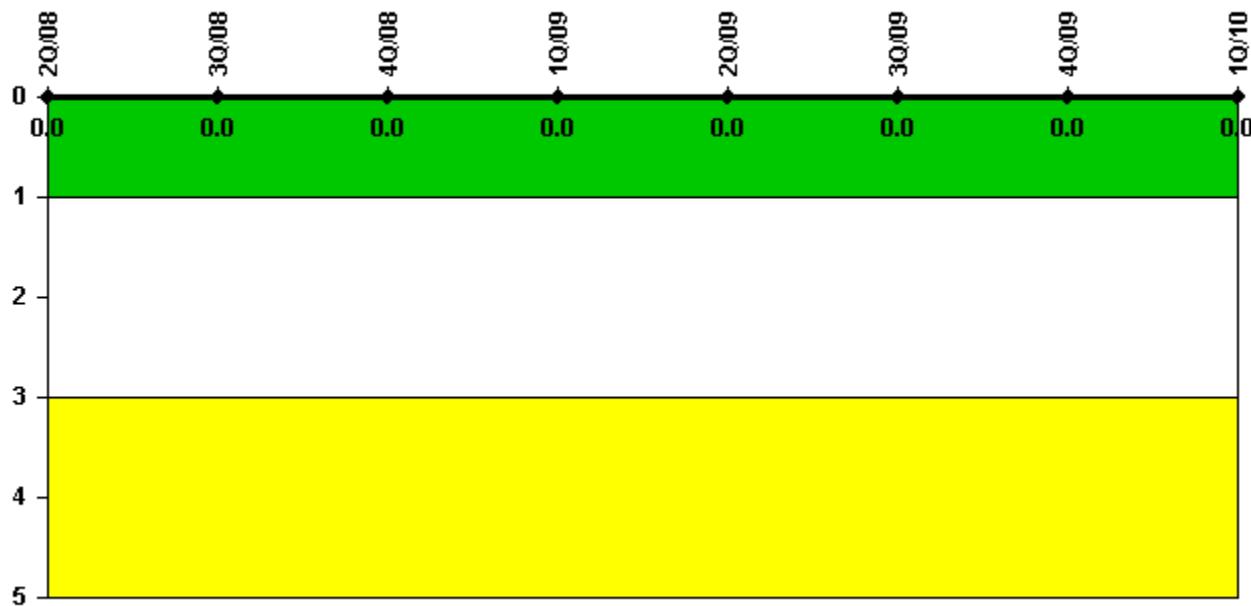
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

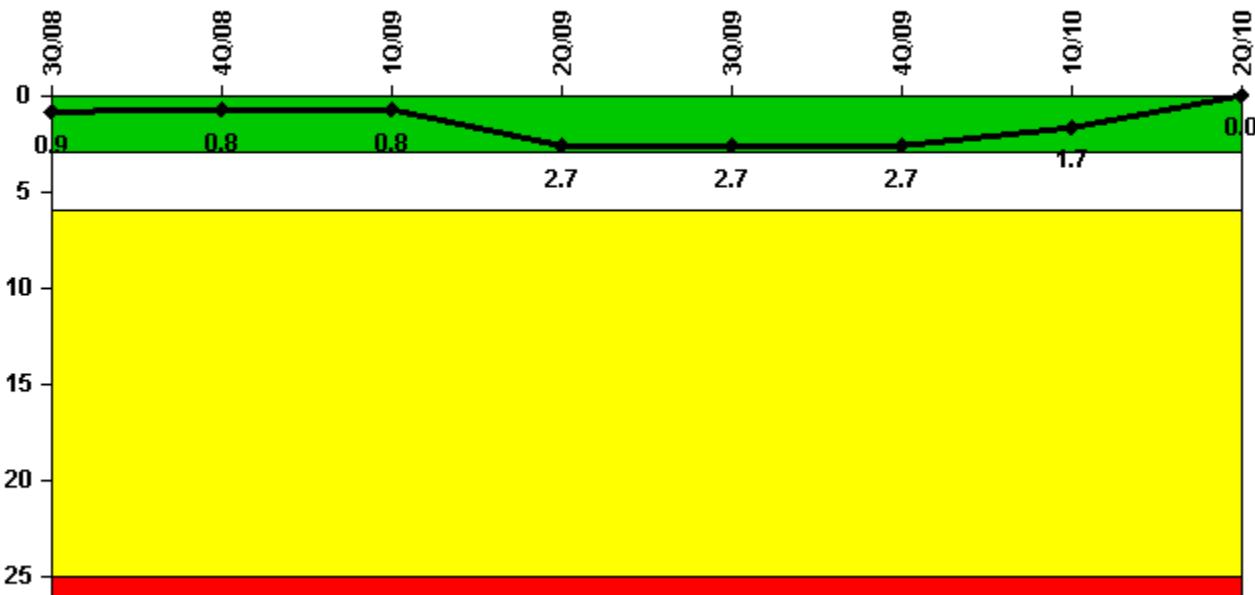
[Security](#) information not publicly available.

Sequoyah 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



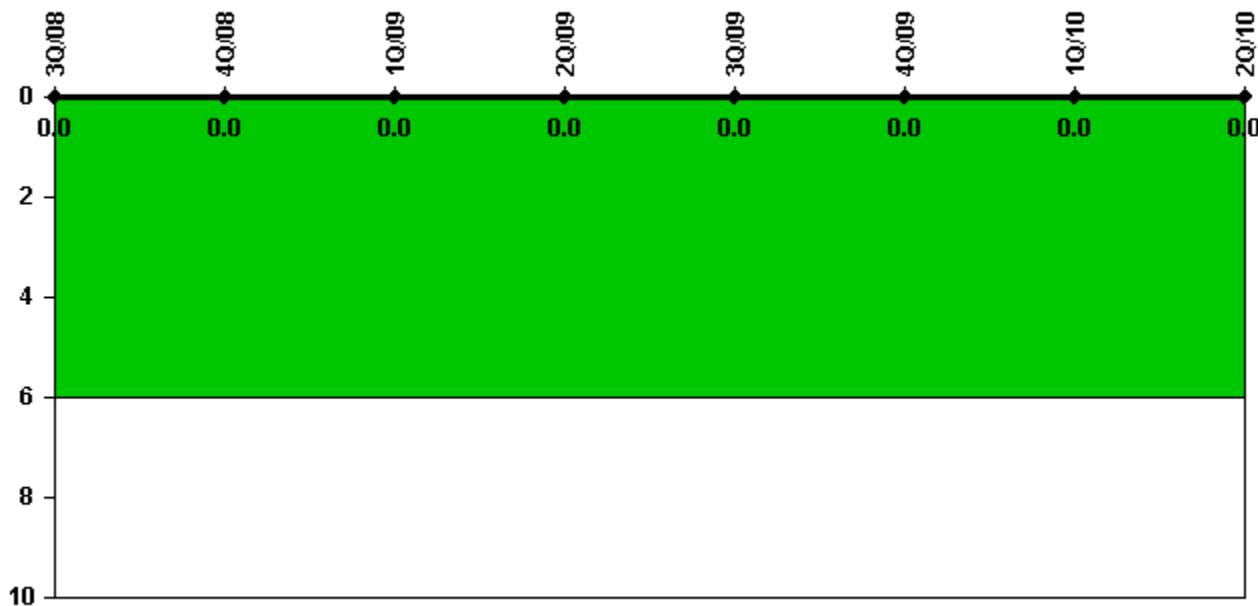
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	2.0	0	0	0	0
Critical hours	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0
Indicator value	0.9	0.8	0.8	2.7	2.7	2.7	1.7	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



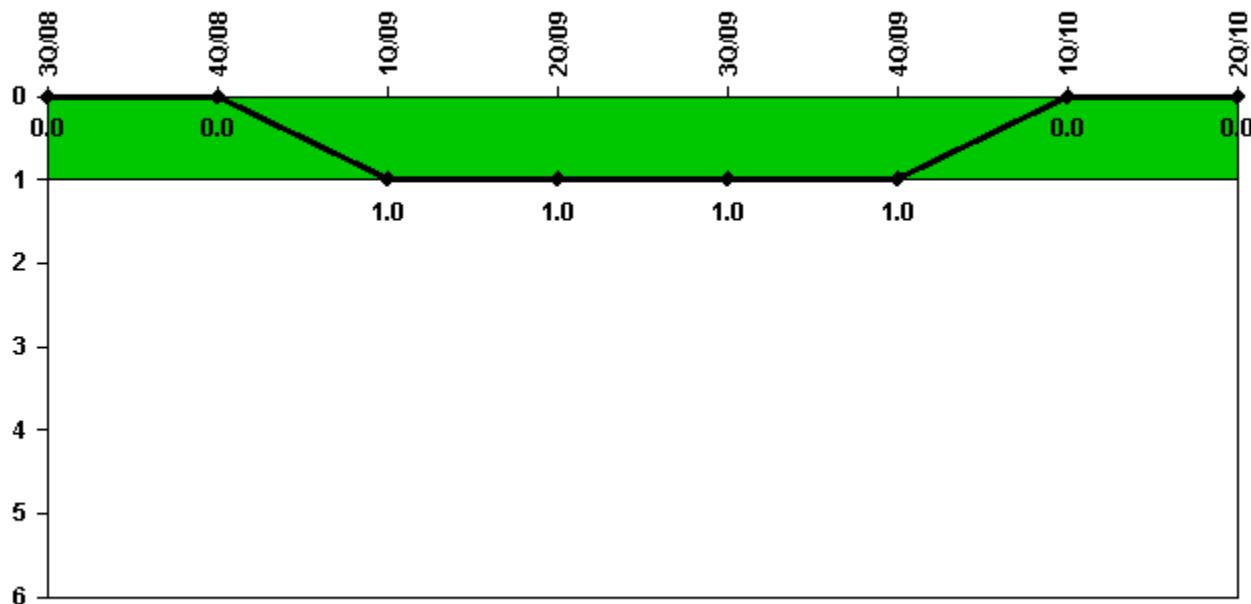
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



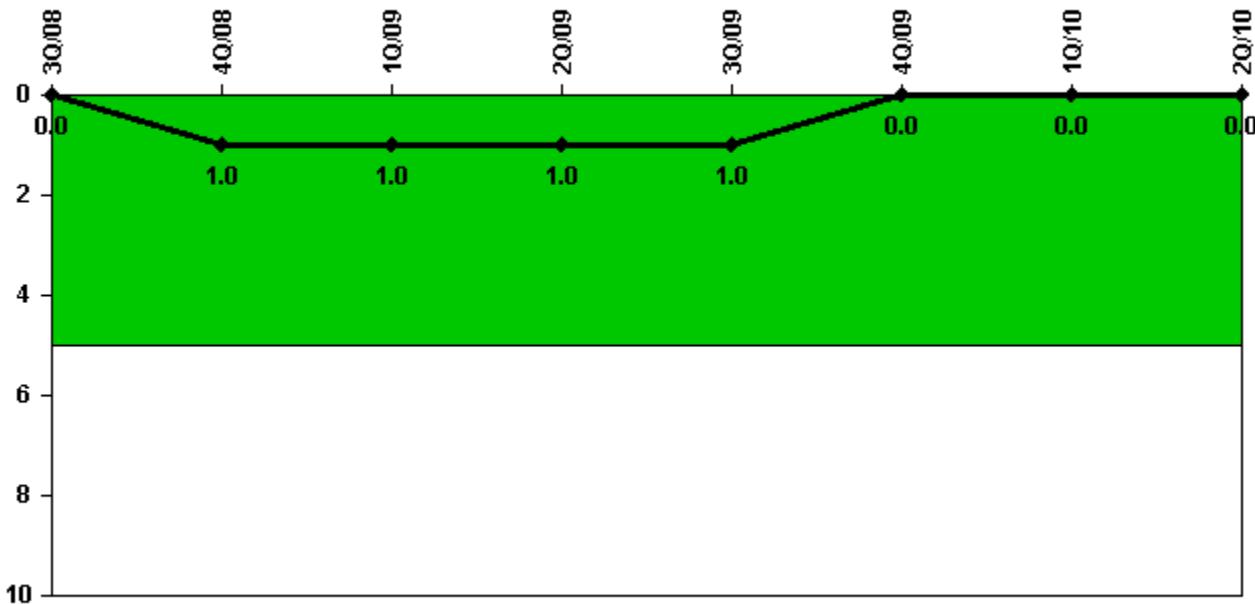
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	1.0	0	0	0	0	0
Indicator value	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



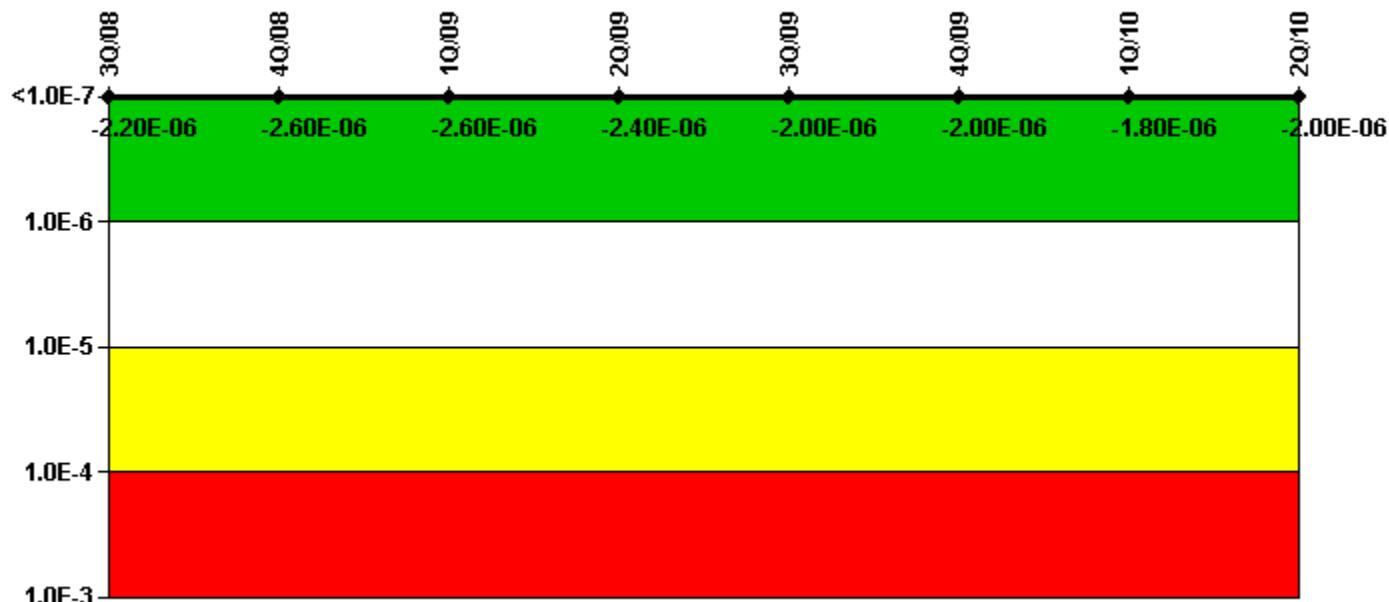
Thresholds: White > 5.0

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	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



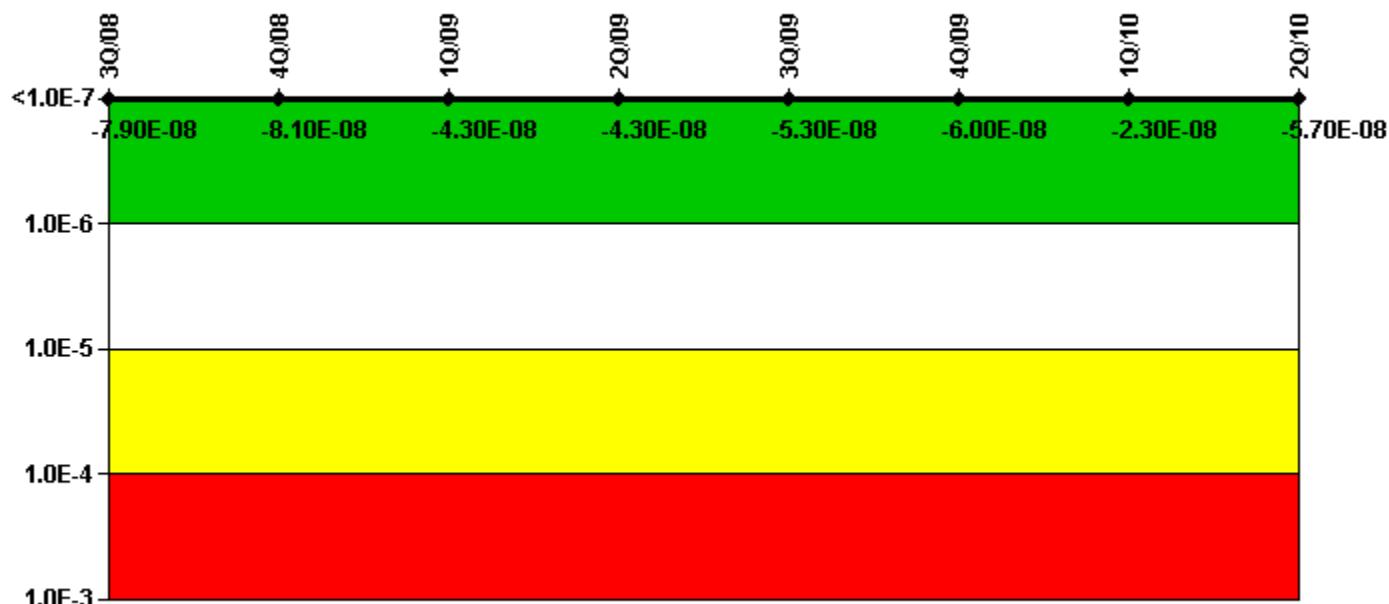
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.93E-07	-2.94E-07	-2.94E-07	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07	-8.27E-08
URI (Δ CDF)	-1.87E-06	-2.31E-06	-2.35E-06	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06	-1.90E-06
PLE	NO							
Indicator value	-2.20E-06	-2.60E-06	-2.60E-06	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06	-2.00E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



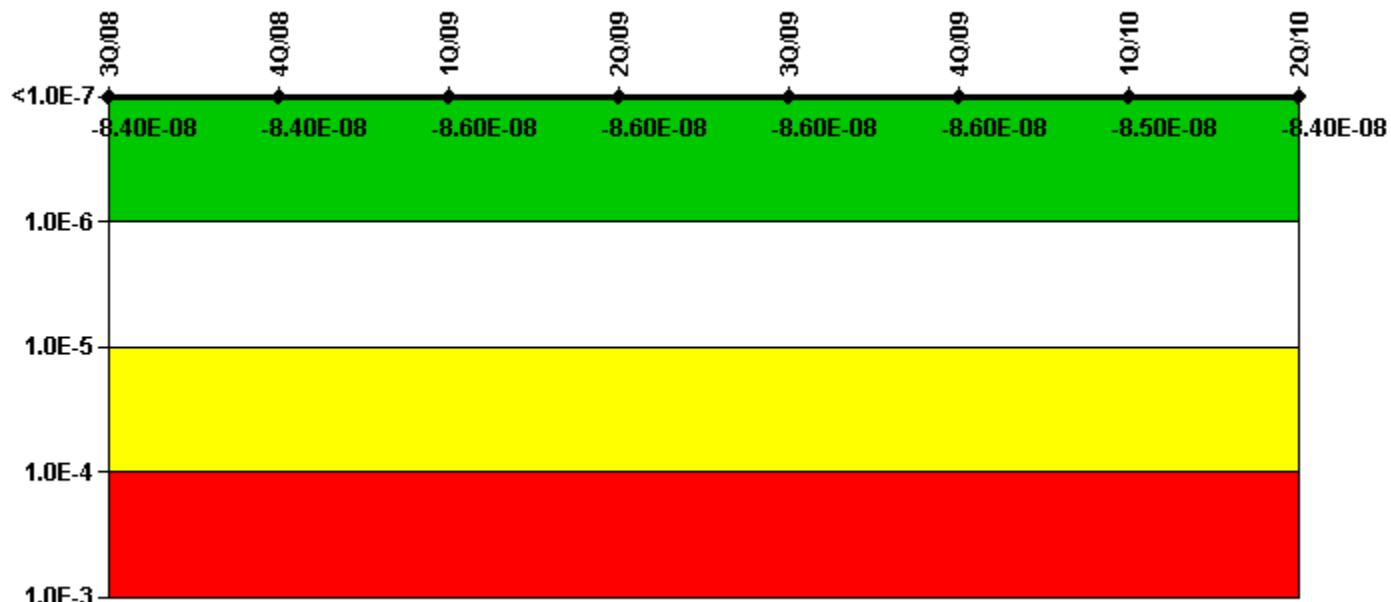
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	9.16E-08	9.01E-08	1.28E-07	1.27E-07	1.17E-07	1.11E-07	1.47E-07	1.14E-07
URI (Δ CDF)	-1.71E-07							
PLE	NO							
Indicator value	-7.90E-08	-8.10E-08	-4.30E-08	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08	-5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



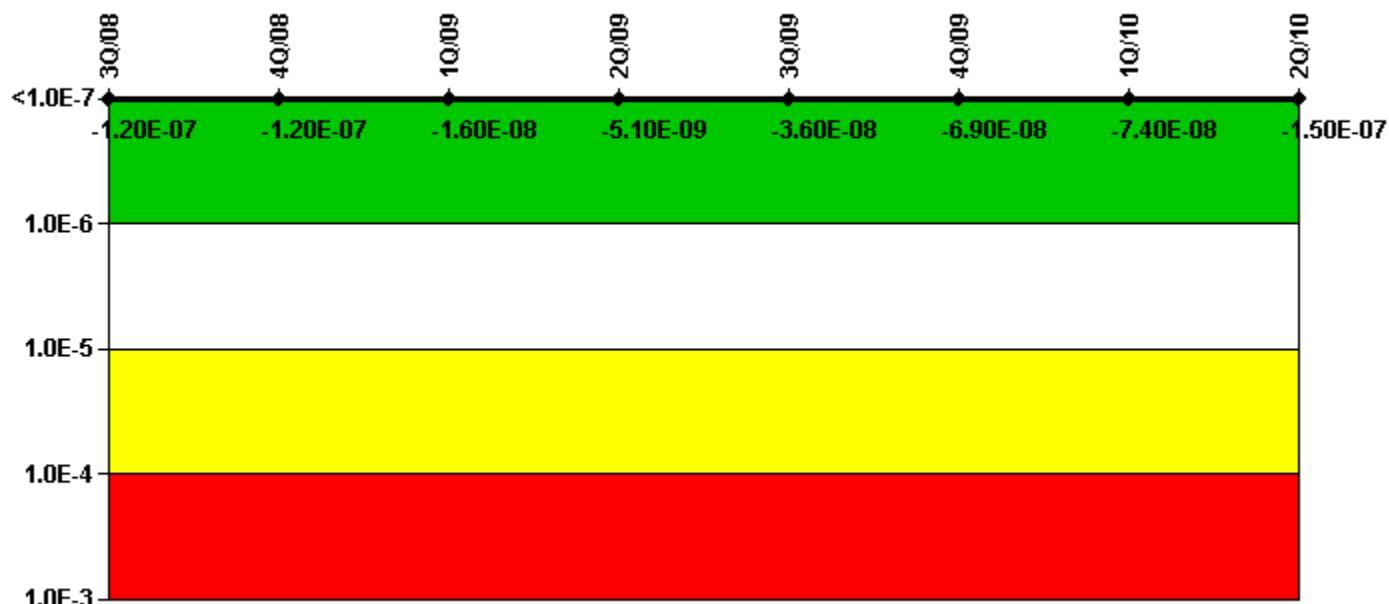
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-1.99E-08	-1.99E-08	-1.99E-08	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08	-1.73E-08
URI (Δ CDF)	-6.41E-08	-6.41E-08	-6.63E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08
PLE	NO							
Indicator value	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08	-8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



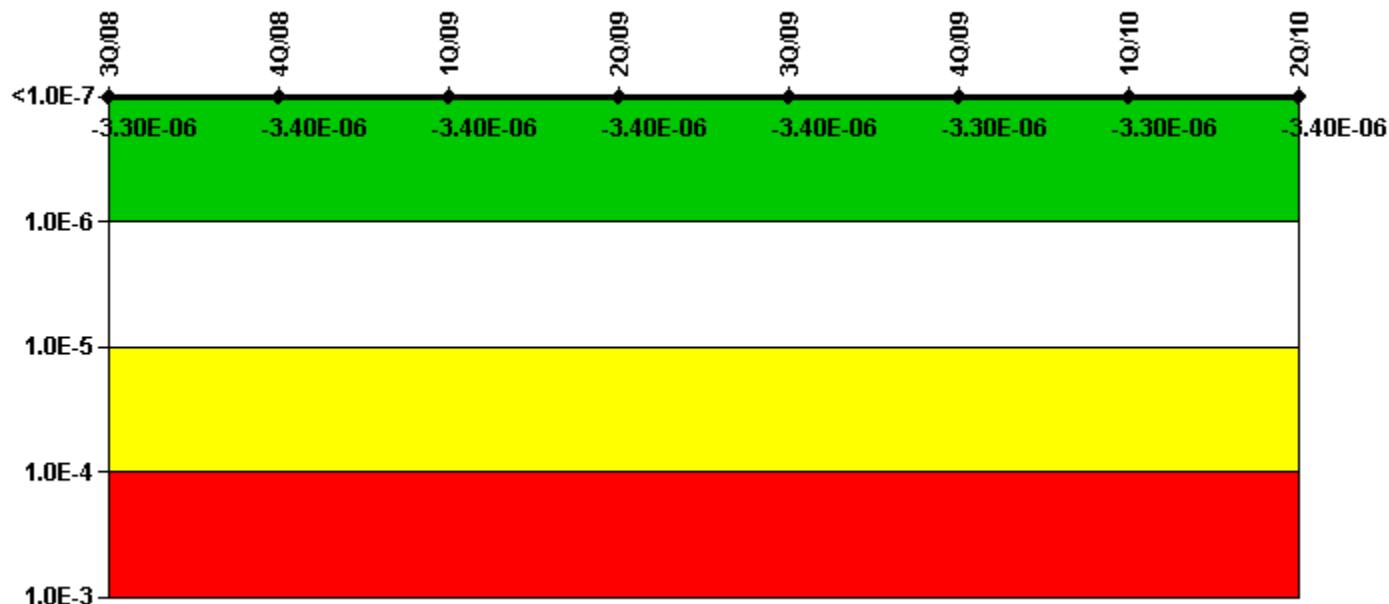
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	2.46E-07	2.44E-07	3.50E-07	3.61E-07	3.30E-07	2.97E-07	2.92E-07	2.21E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-1.20E-07	-1.20E-07	-1.60E-08	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08	-1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

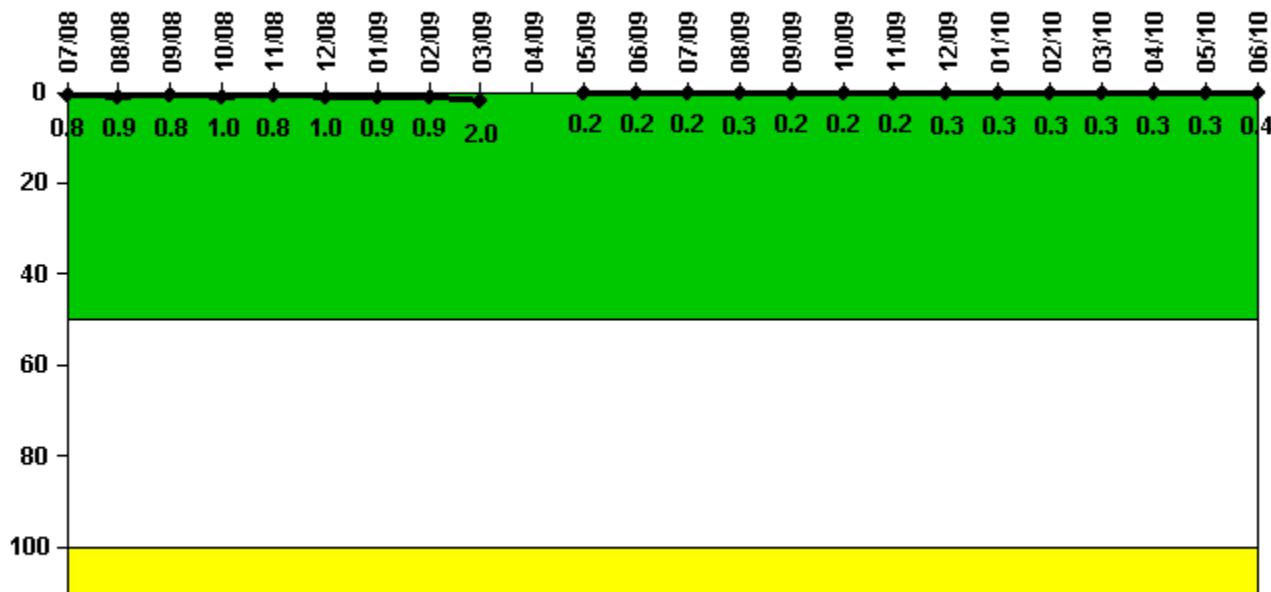
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-3.07E-06	-3.18E-06	-3.17E-06	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06	-3.15E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.30E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06	-3.40E-06

Licensee Comments:

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

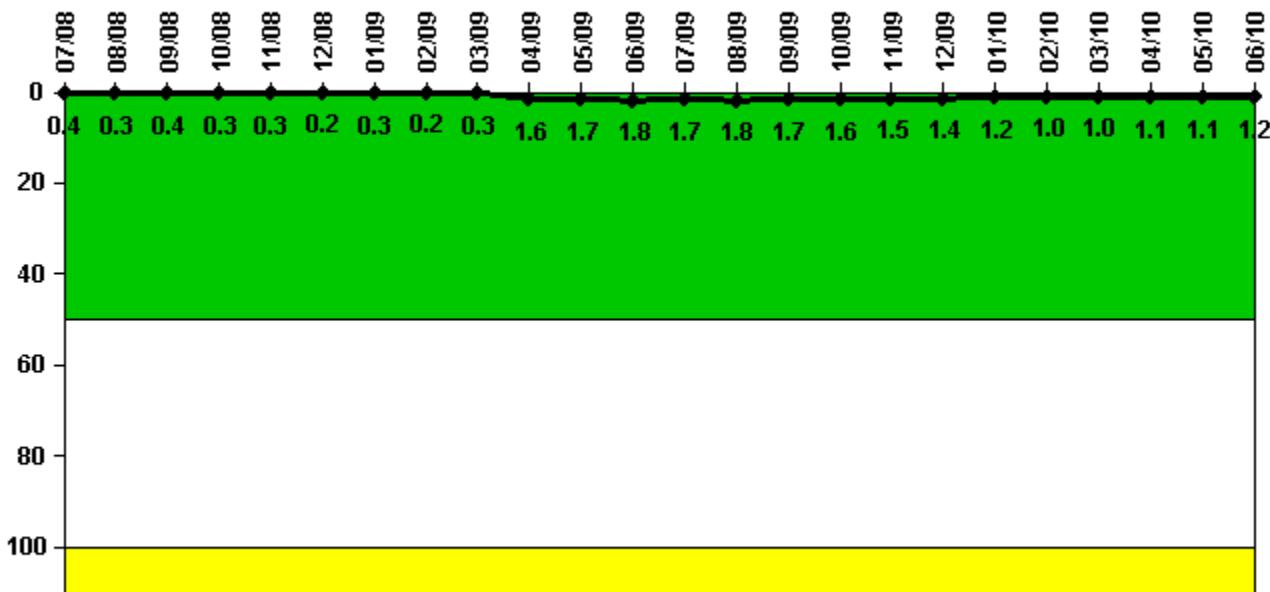
Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078	N/A	0.000719	0.000740
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.8	0.9	0.8	1.0	0.8	1.0	0.9	0.9	2.0	N/A	0.2	0.2

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	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093	0.000958	0.001019	0.001407
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4

Licensee Comments: none

Reactor Coolant System Leakage



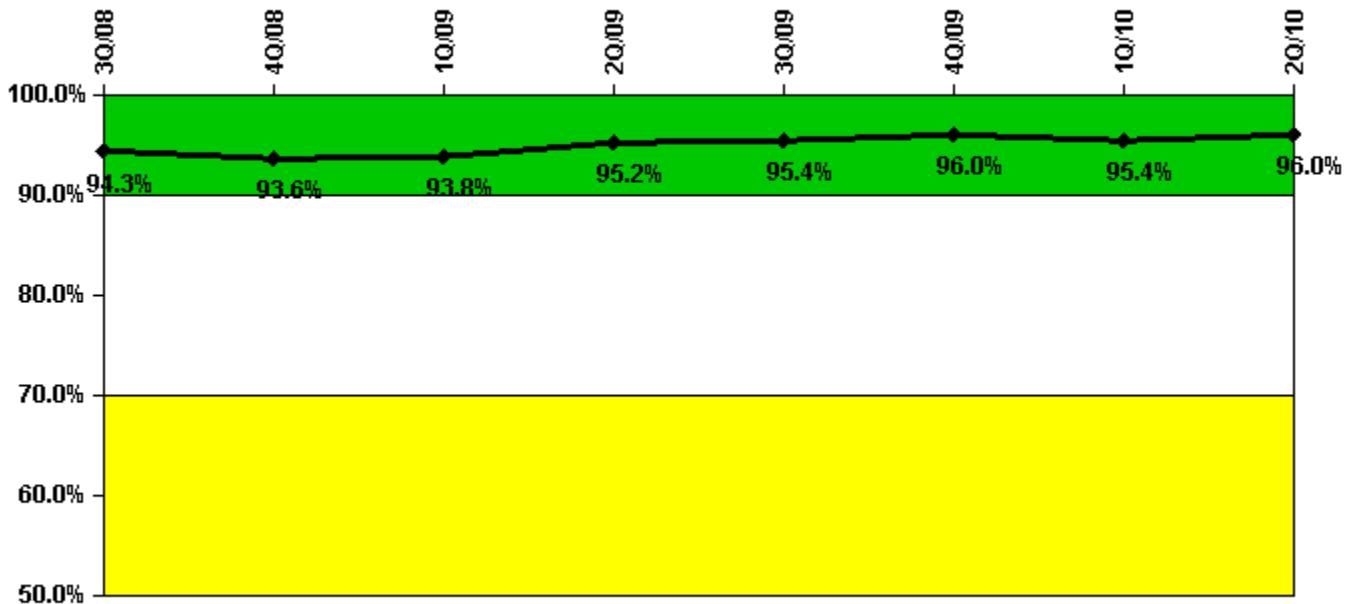
Thresholds: White > 50.0 Yellow > 100.0

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	0.040	0.030	0.040	0.030	0.030	0.020	0.030	0.020	0.030	0.160	0.170	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3	1.6	1.7	1.8
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	0.170	0.180	0.170	0.160	0.150	0.140	0.120	0.100	0.100	0.110	0.110	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	1.8	1.7	1.6	1.5	1.4	1.2	1.0	1.0	1.1	1.1	1.2

Licensee Comments: none

Drill/Exercise Performance



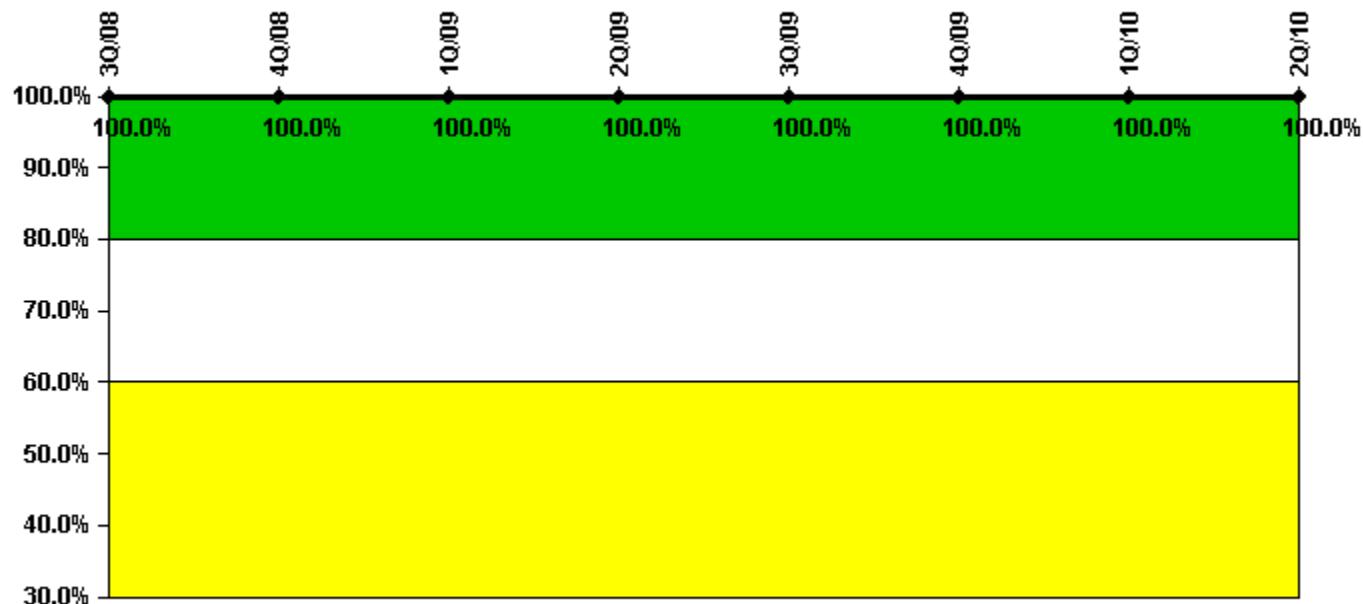
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	42.0	39.0	21.0	40.0	41.0	16.0	20.0	19.0
Total opportunities	43.0	44.0	22.0	40.0	42.0	16.0	22.0	19.0
Indicator value	94.3%	93.6%	93.8%	95.2%	95.4%	96.0%	95.4%	96.0%

Licensee Comments: none

ERO Drill Participation



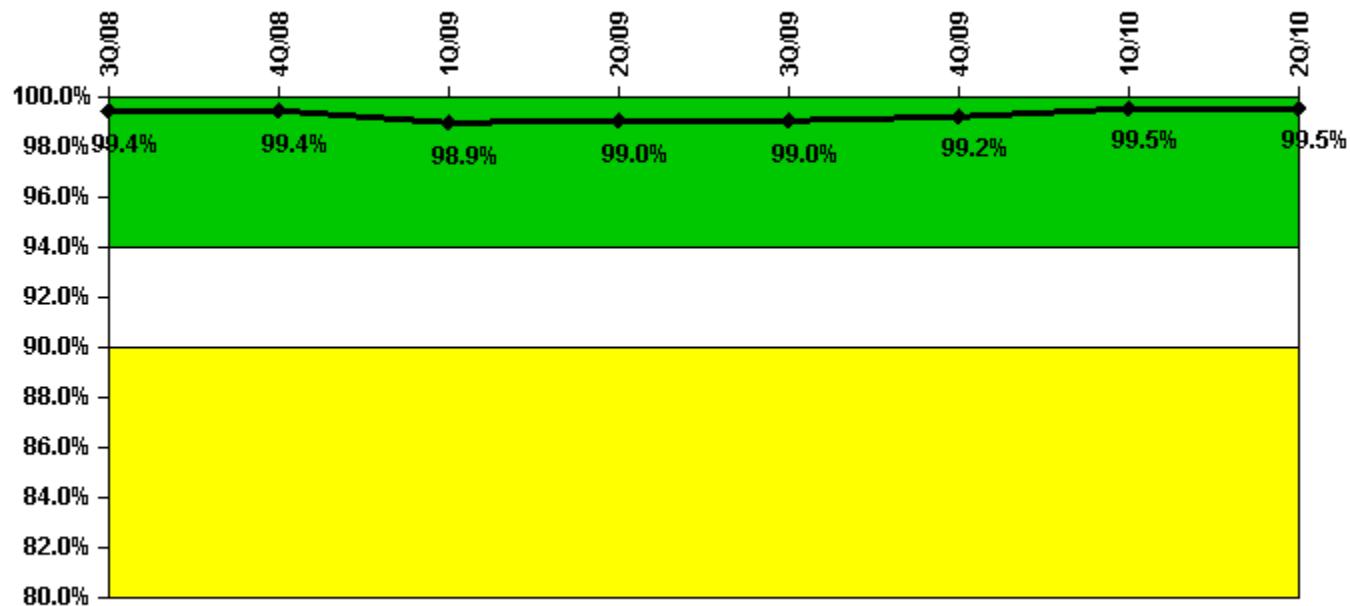
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	87.0	82.0	86.0	79.0	76.0	79.0	77.0	75.0
Total Key personnel	87.0	82.0	86.0	79.0	76.0	79.0	77.0	75.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



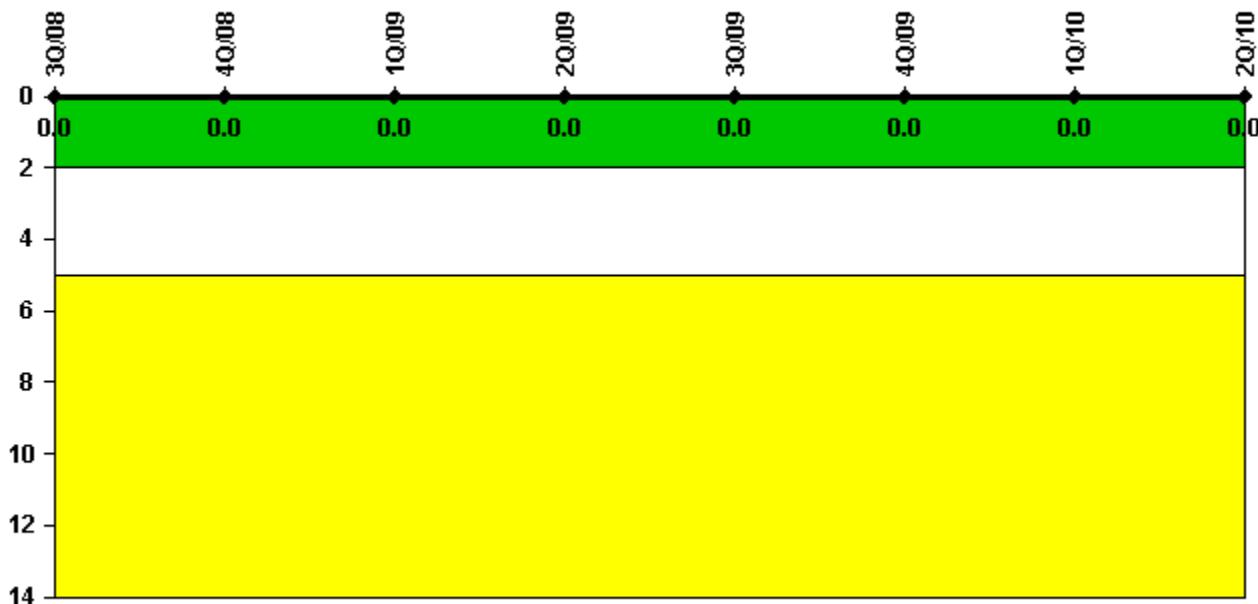
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	751	961	634	969	858	969	751	967
Total sirens-tests	756	972	648	972	864	972	756	972
Indicator value	99.4%	99.4%	98.9%	99.0%	99.0%	99.2%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



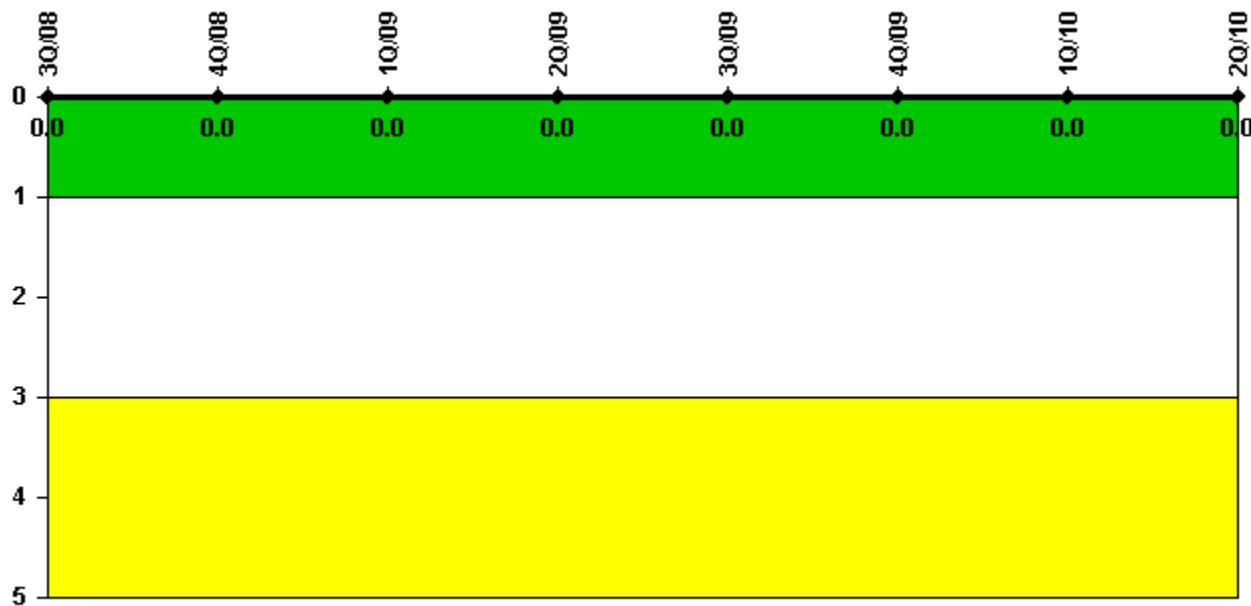
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



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

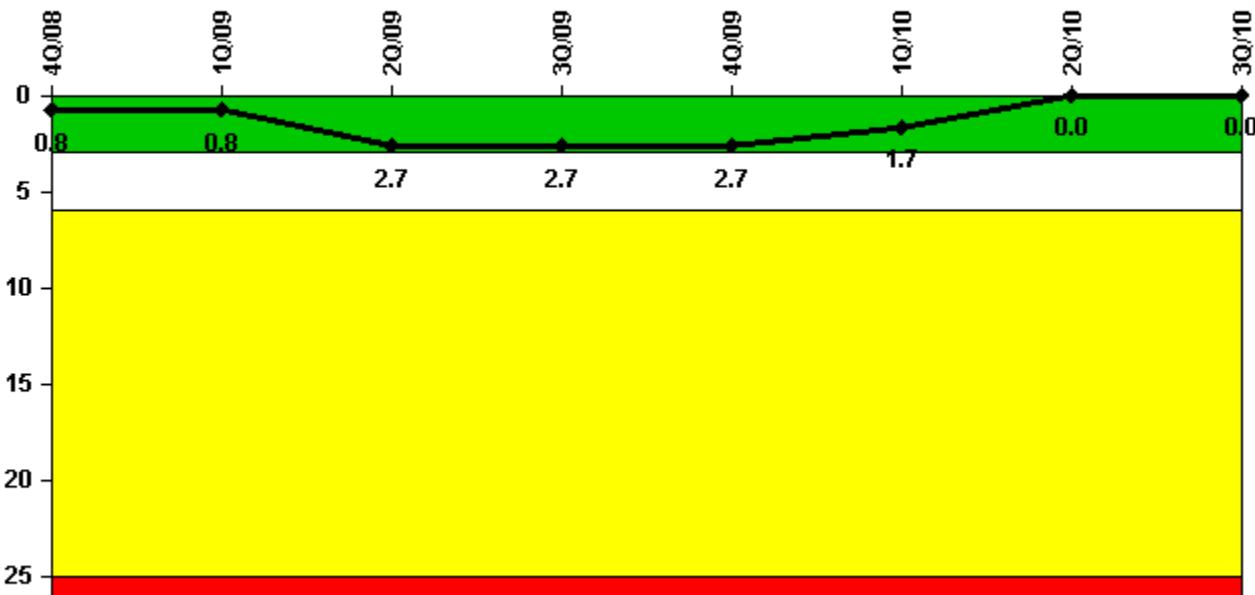
Last Modified: July 26, 2010

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3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



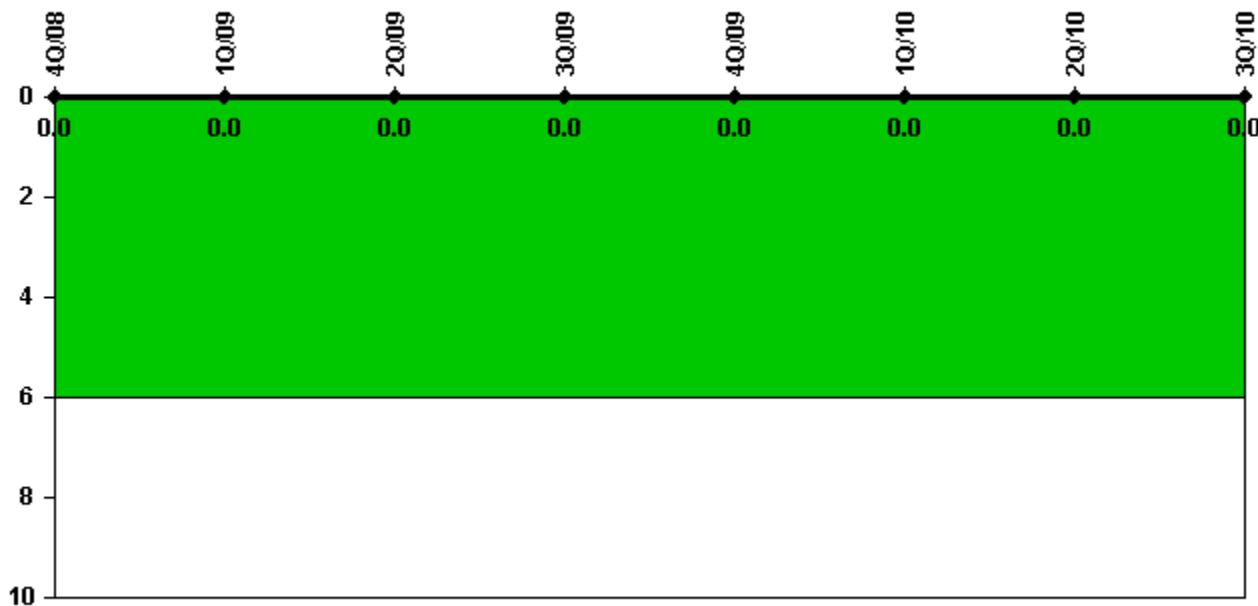
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	2.0	0	0	0	0	0
Critical hours	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0.8	0.8	2.7	2.7	2.7	1.7	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



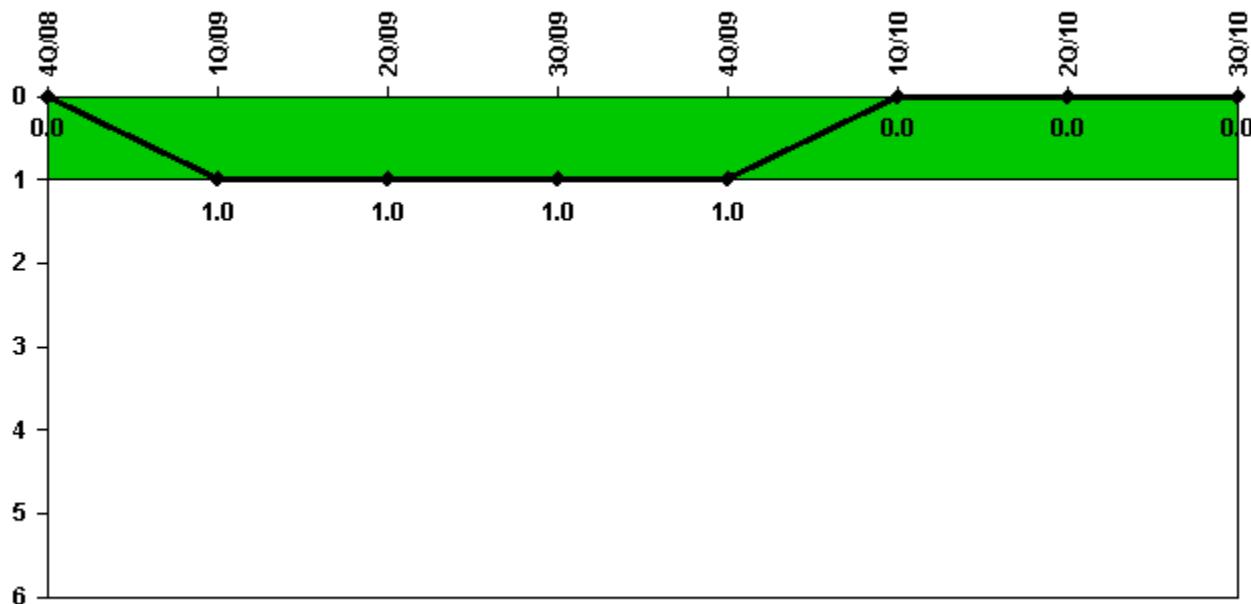
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



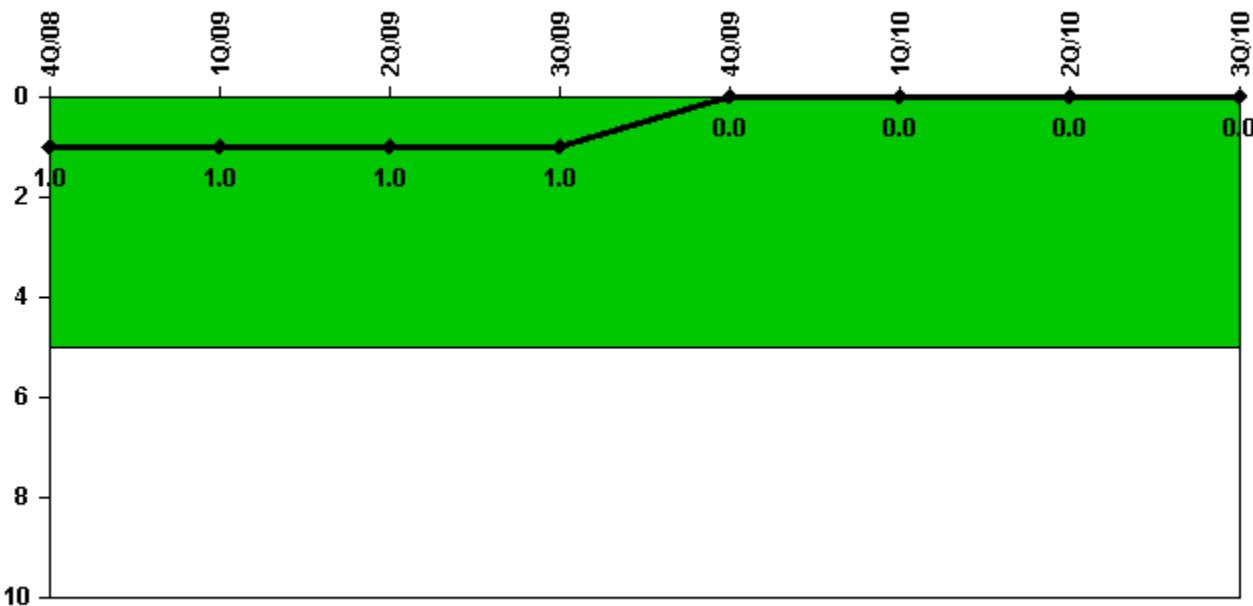
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	1.0	0	0	0	0	0	0
Indicator value	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



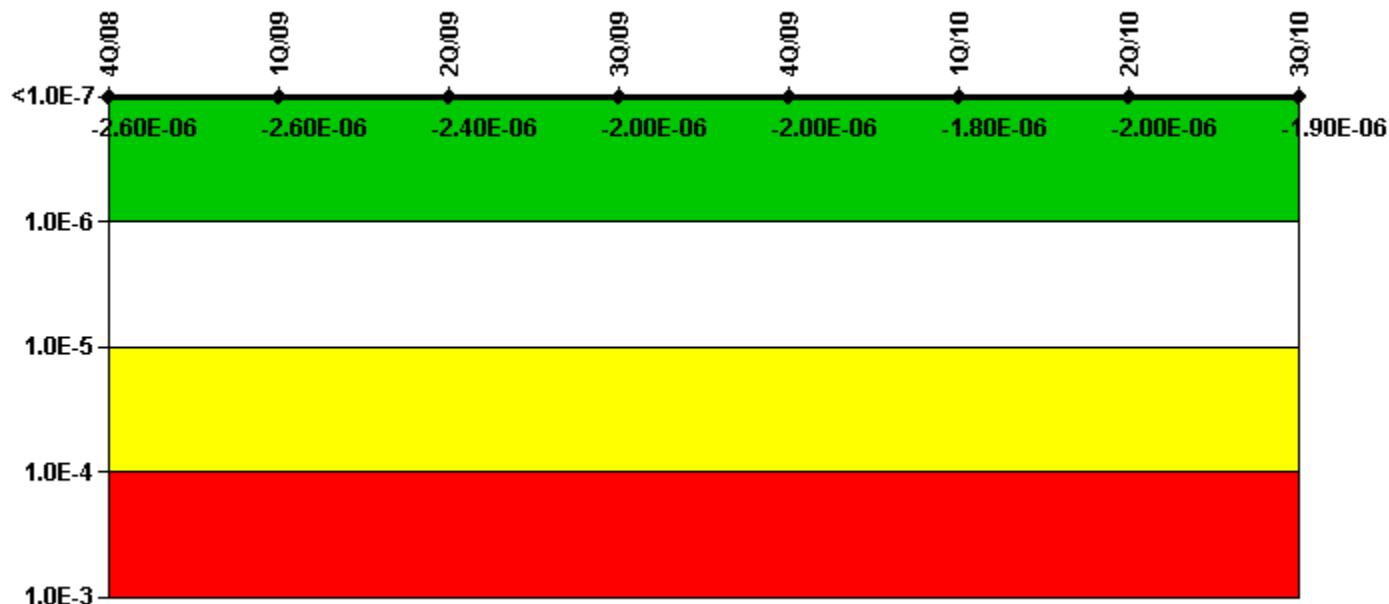
Thresholds: White > 5.0

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	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



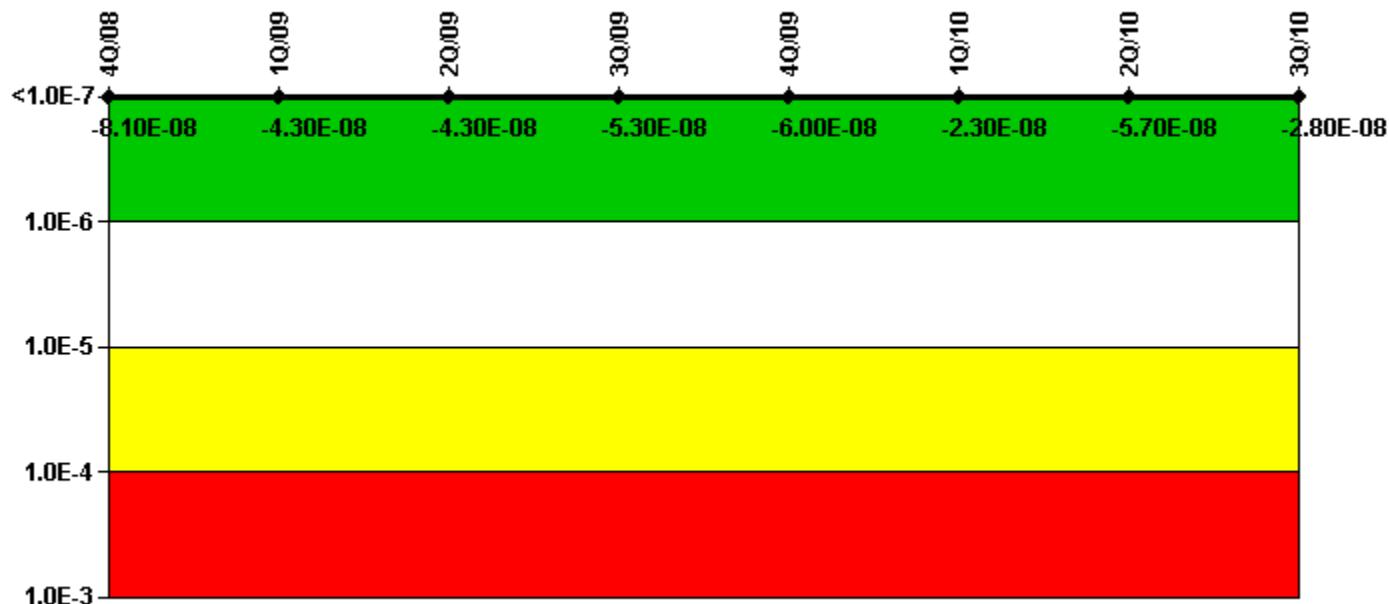
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-2.94E-07	-2.94E-07	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07	-8.27E-08	-2.14E-08
URI (Δ CDF)	-2.31E-06	-2.35E-06	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06
PLE	NO							
Indicator value	-2.60E-06	-2.60E-06	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06	-2.00E-06	-1.90E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



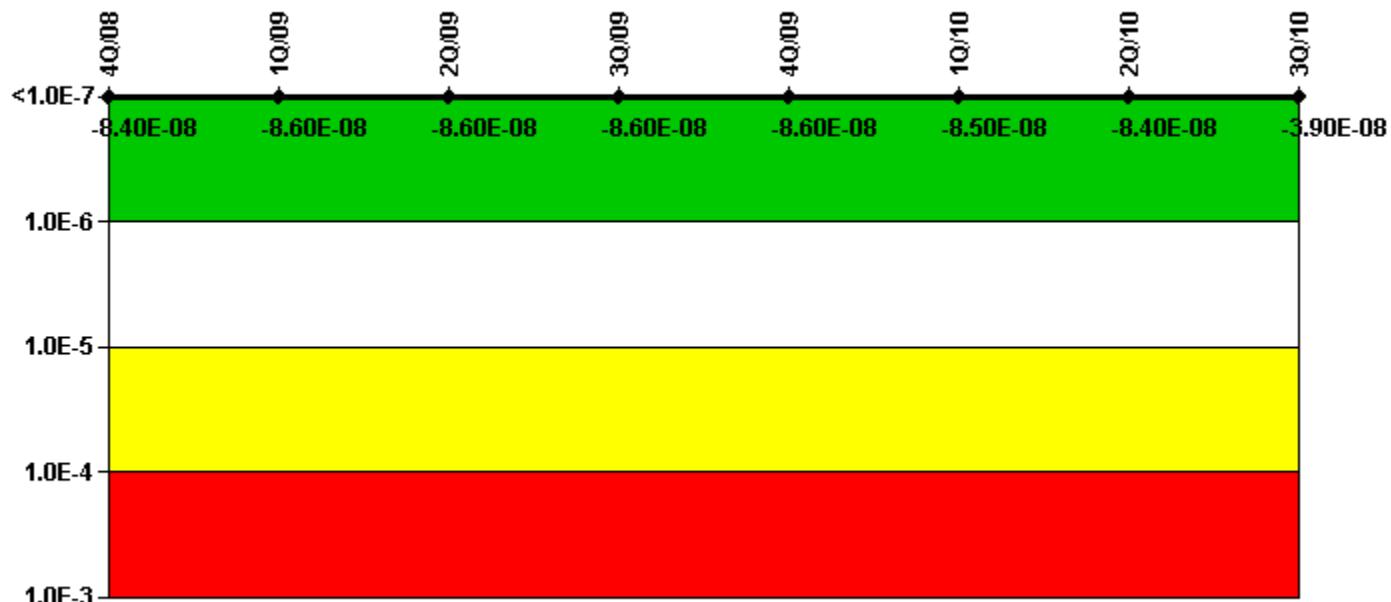
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	9.01E-08	1.28E-07	1.27E-07	1.17E-07	1.11E-07	1.47E-07	1.14E-07	1.43E-07
URI (Δ CDF)	-1.71E-07							
PLE	NO							
Indicator value	-8.10E-08	-4.30E-08	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08	-5.70E-08	-2.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



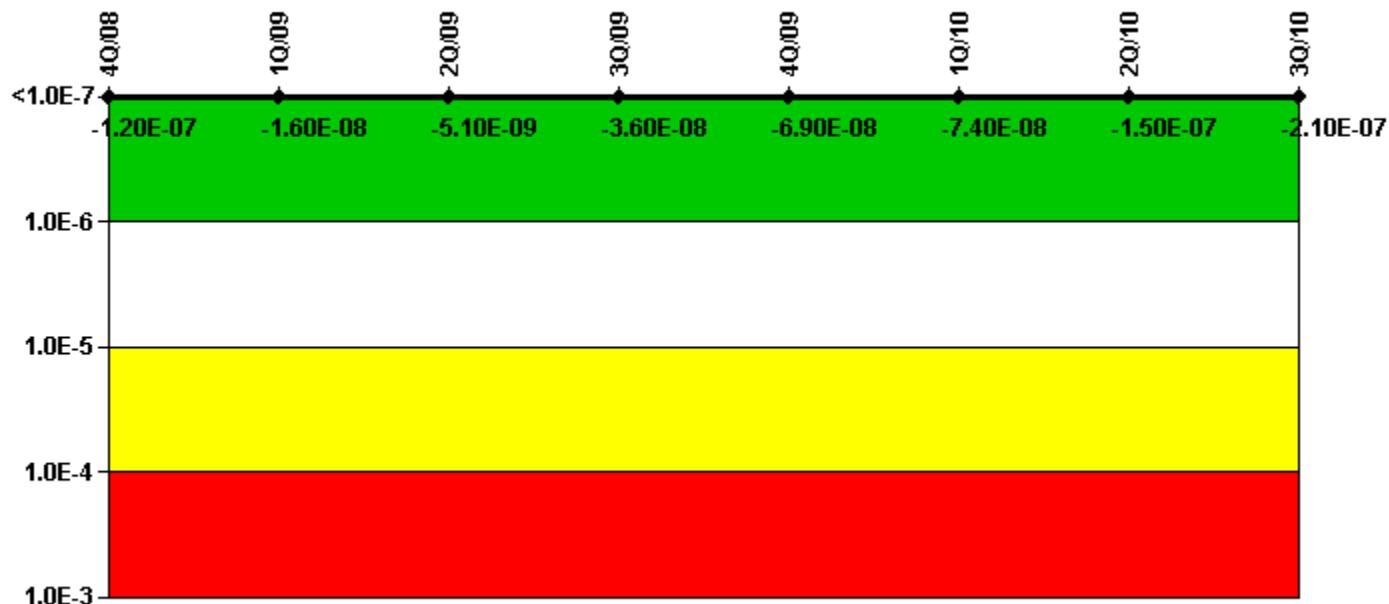
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.99E-08	-1.99E-08	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08	-1.73E-08	2.75E-08
URI (Δ CDF)	-6.41E-08	-6.63E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08
PLE	NO							
Indicator value	-8.40E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08	-8.40E-08	-3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



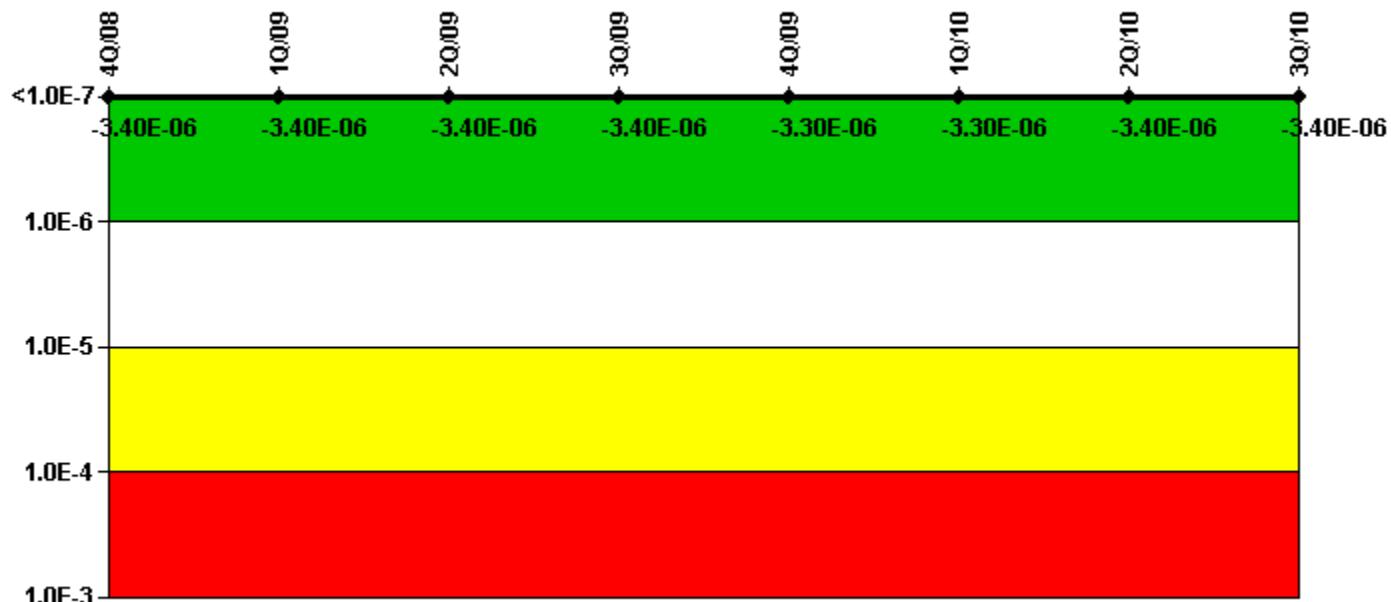
Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	2.44E-07	3.50E-07	3.61E-07	3.30E-07	2.97E-07	2.92E-07	2.21E-07	1.52E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-1.20E-07	-1.60E-08	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08	-1.50E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

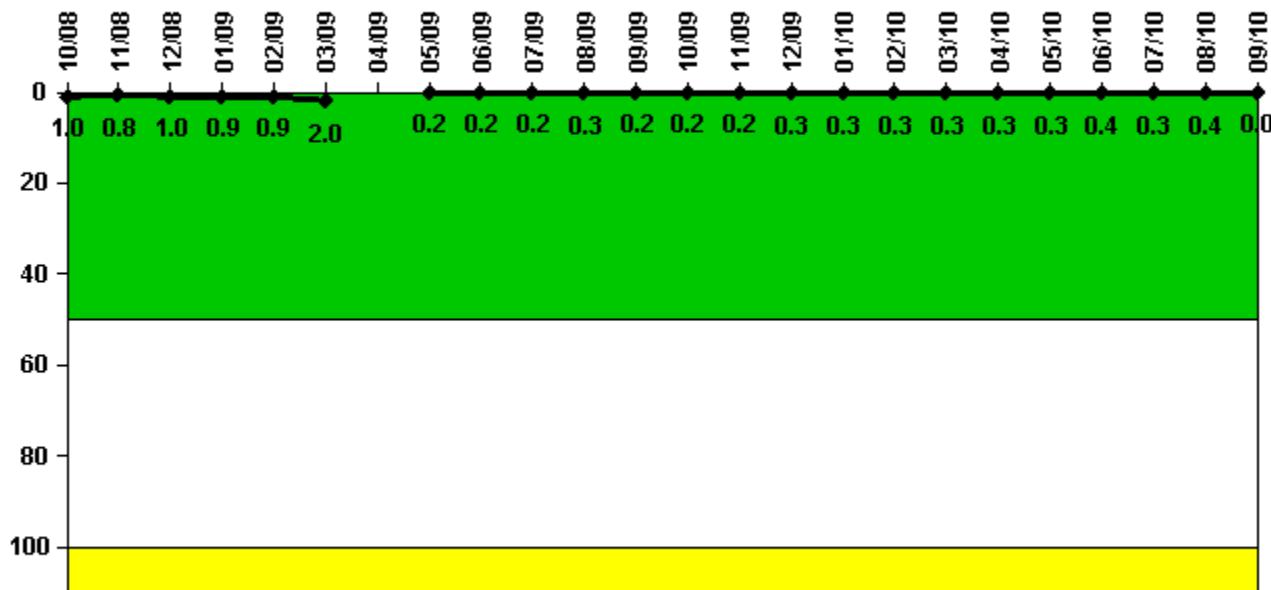
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-3.18E-06	-3.17E-06	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06	-3.15E-06	-3.15E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.40E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06

Licensee Comments:

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

Reactor Coolant System Activity



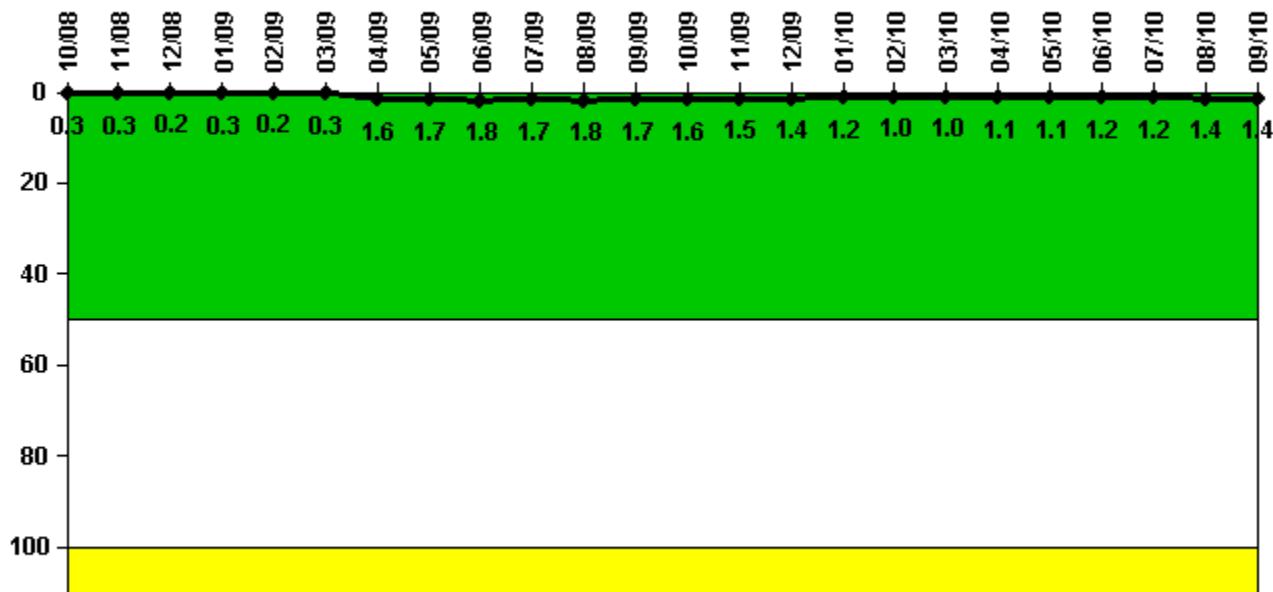
Thresholds: White > 50.0 Yellow > 100.0

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	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078	N/A	0.000719	0.000740	0.000747	0.001175	0.000803
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.0	0.8	1.0	0.9	0.9	2.0	N/A	0.2	0.2	0.2	0.3	0.2
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	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093	0.000958	0.001019	0.001407	0.001101	0.001251	0.000121
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0

Licensee Comments: none

Reactor Coolant System Leakage



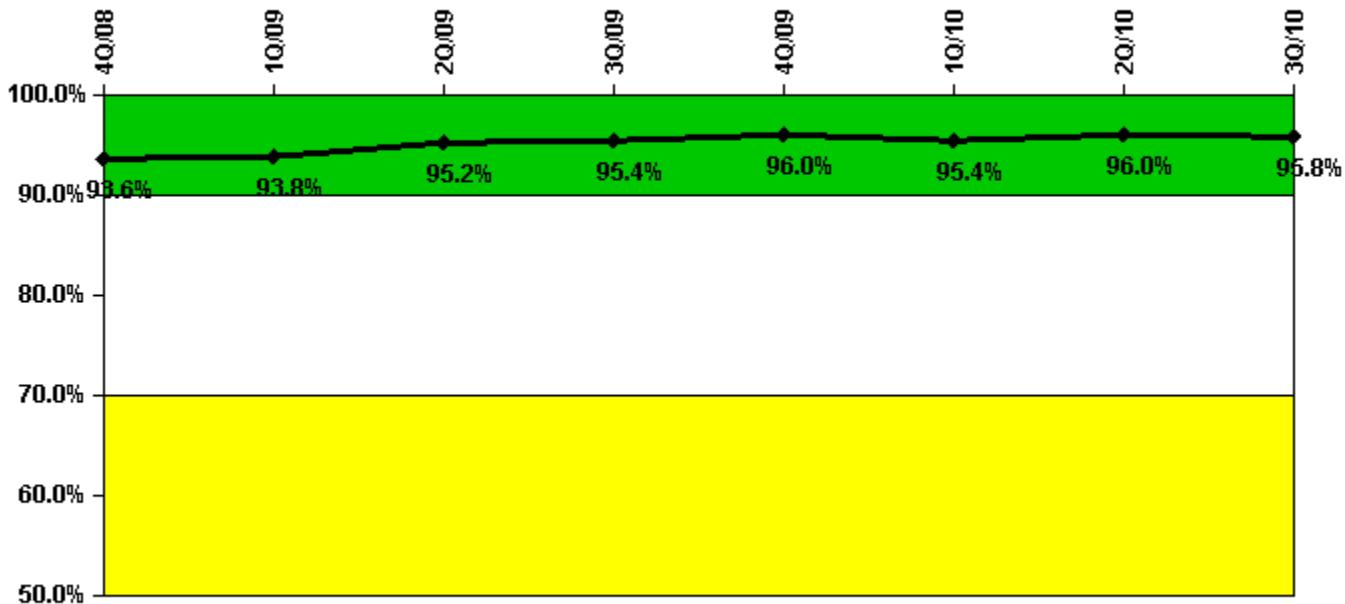
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.020	0.030	0.020	0.030	0.160	0.170	0.180	0.170	0.180	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.3	0.2	0.3	1.6	1.7	1.8	1.7	1.8	1.7
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	0.160	0.150	0.140	0.120	0.100	0.100	0.110	0.110	0.120	0.120	0.140	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.6	1.5	1.4	1.2	1.0	1.0	1.1	1.1	1.2	1.2	1.4	1.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

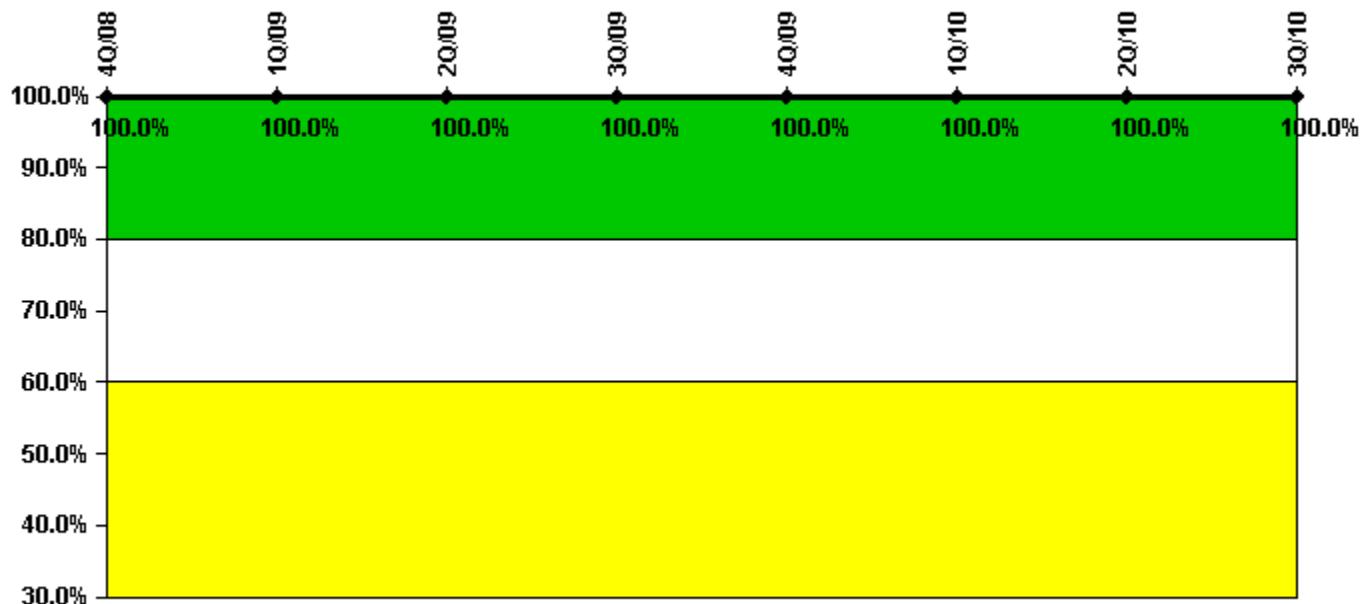
Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	39.0	21.0	40.0	41.0	16.0	20.0	22.0	27.0
Total opportunities	44.0	22.0	40.0	42.0	16.0	22.0	22.0	28.0
Indicator value	93.6%	93.8%	95.2%	95.4%	96.0%	95.4%	96.0%	95.8%

Licensee Comments:

2Q/10: June DEP updated due to the omission of Notification successes and opportunities and the late identification of DEP successes and opportunities during Licensed Operator Requalification. This issue was captured in the Corrective Action Program.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

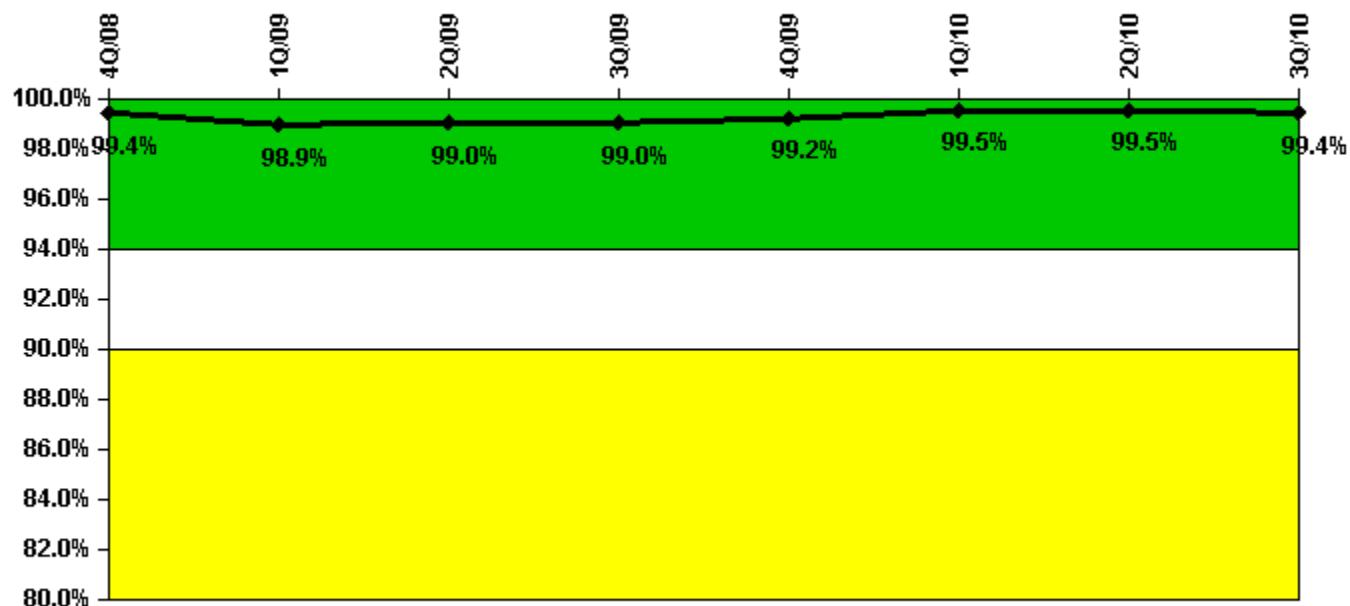
Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	82.0	86.0	79.0	76.0	79.0	77.0	76.0	78.0
Total Key personnel	82.0	86.0	79.0	76.0	79.0	77.0	76.0	78.0
Indicator value	100.0%							

Licensee Comments:

2Q/10: June Participation was updated due to the omission of a Corporate EOF participant. This issue were captured in the Corrective Action Program.

Alert & Notification System



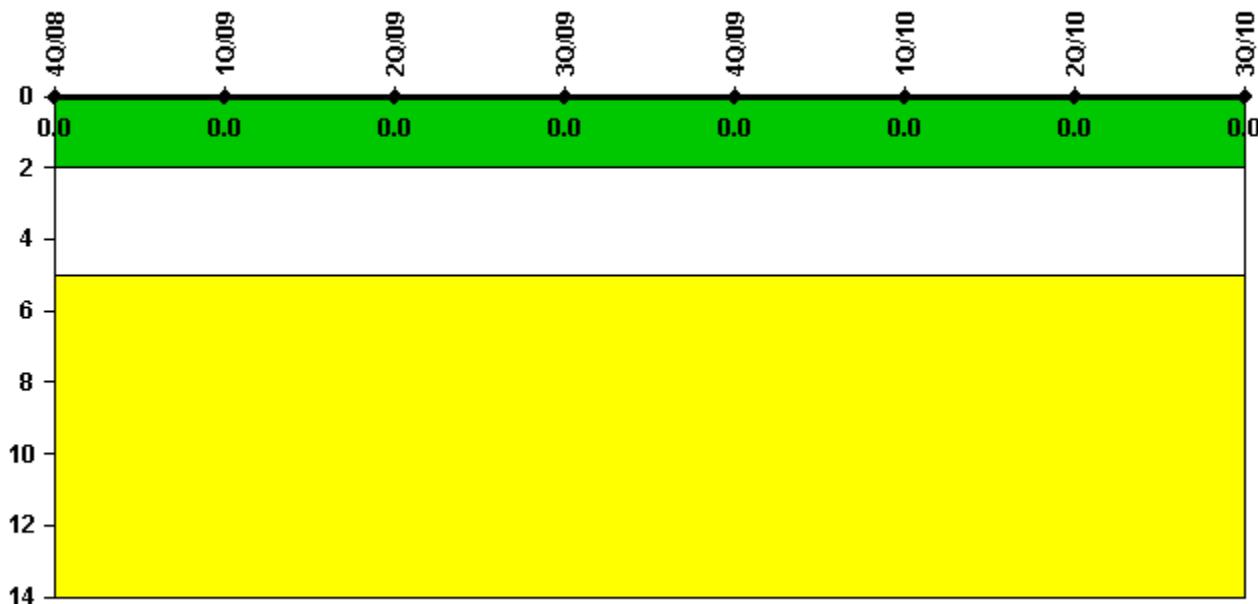
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	961	634	969	858	969	751	967	747
Total sirens-tests	972	648	972	864	972	756	972	756
Indicator value	99.4%	98.9%	99.0%	99.0%	99.2%	99.5%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



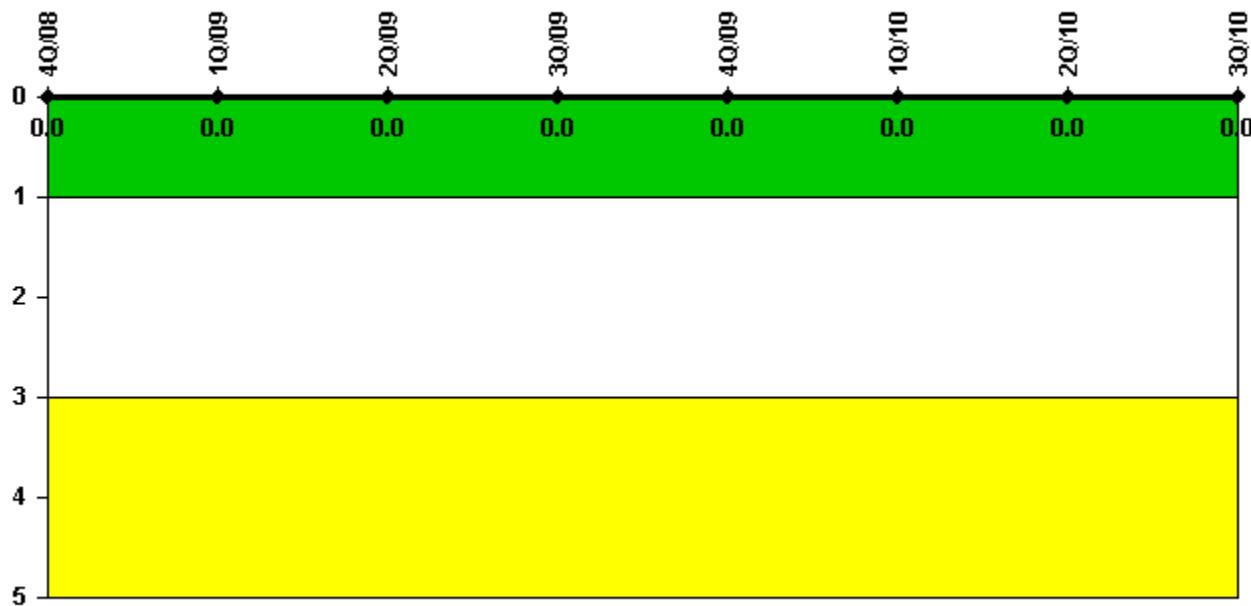
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.



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

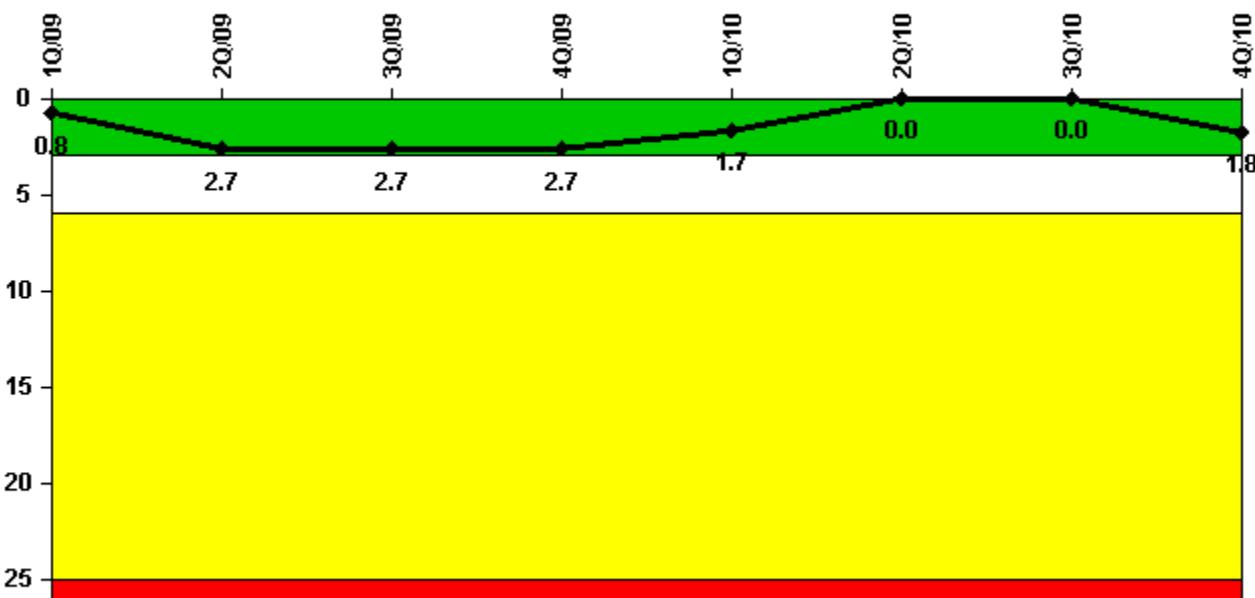
Last Modified: October 25, 2010

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4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



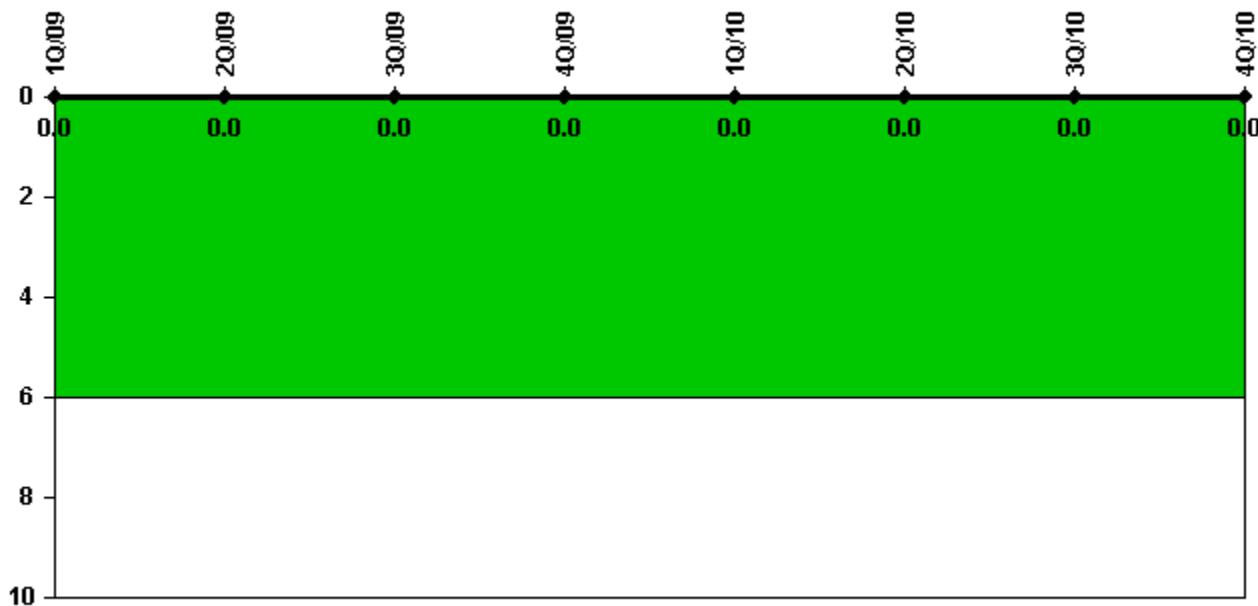
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	2.0	0	0	0	0	0	2.0
Critical hours	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1
Indicator value	0.8	2.7	2.7	2.7	1.7	0	0	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



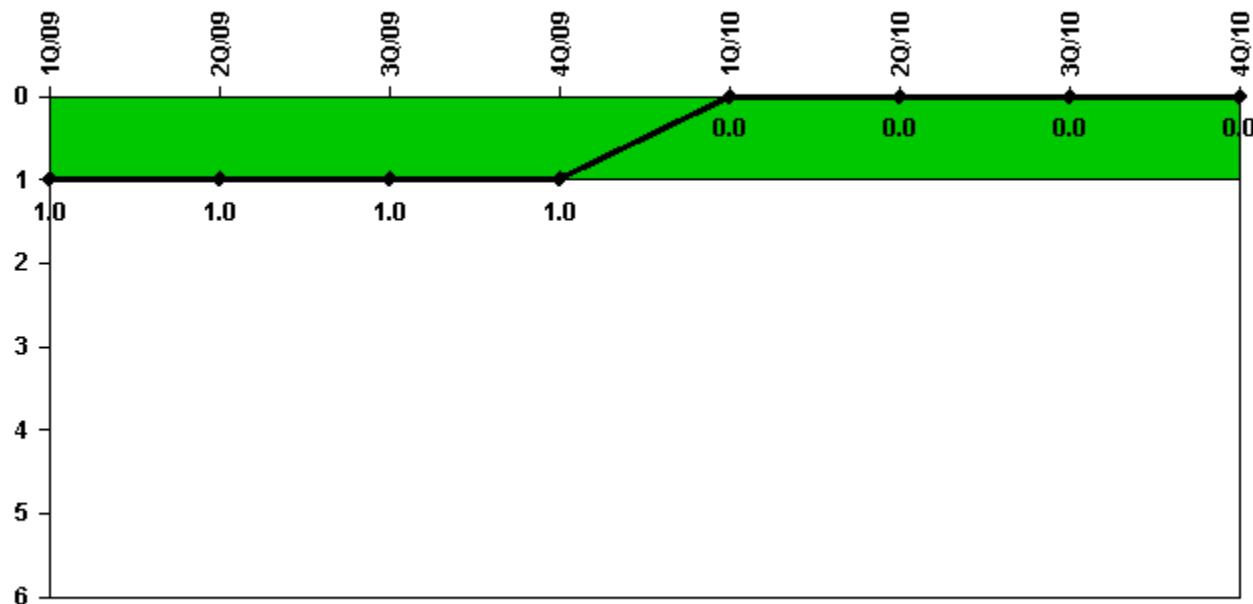
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2019.9	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



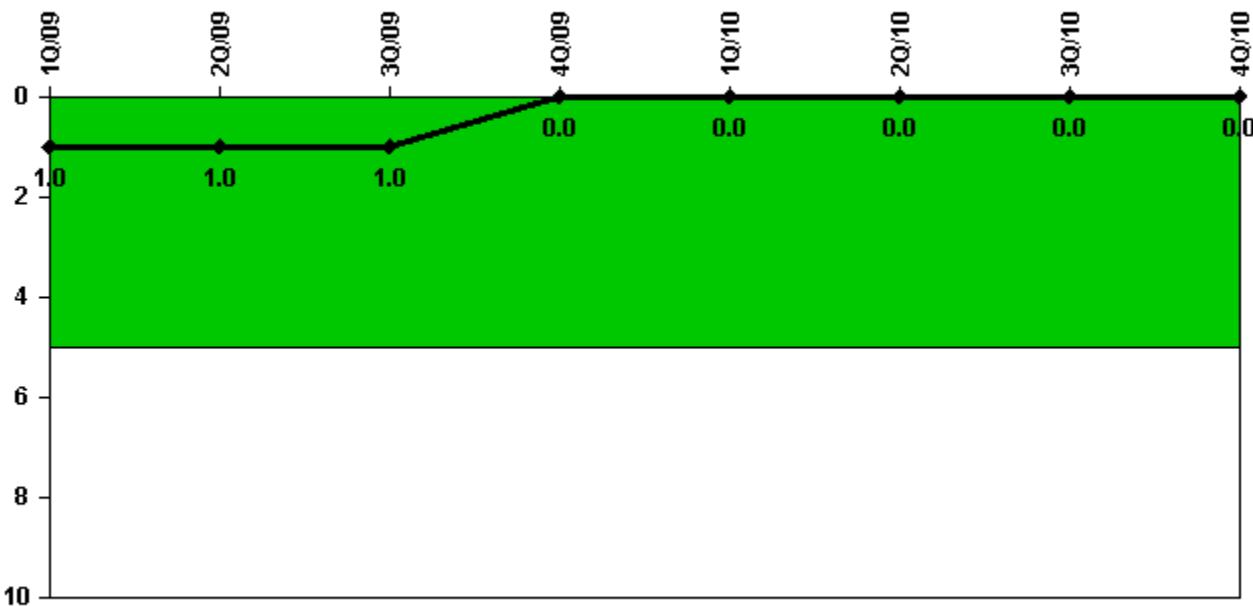
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



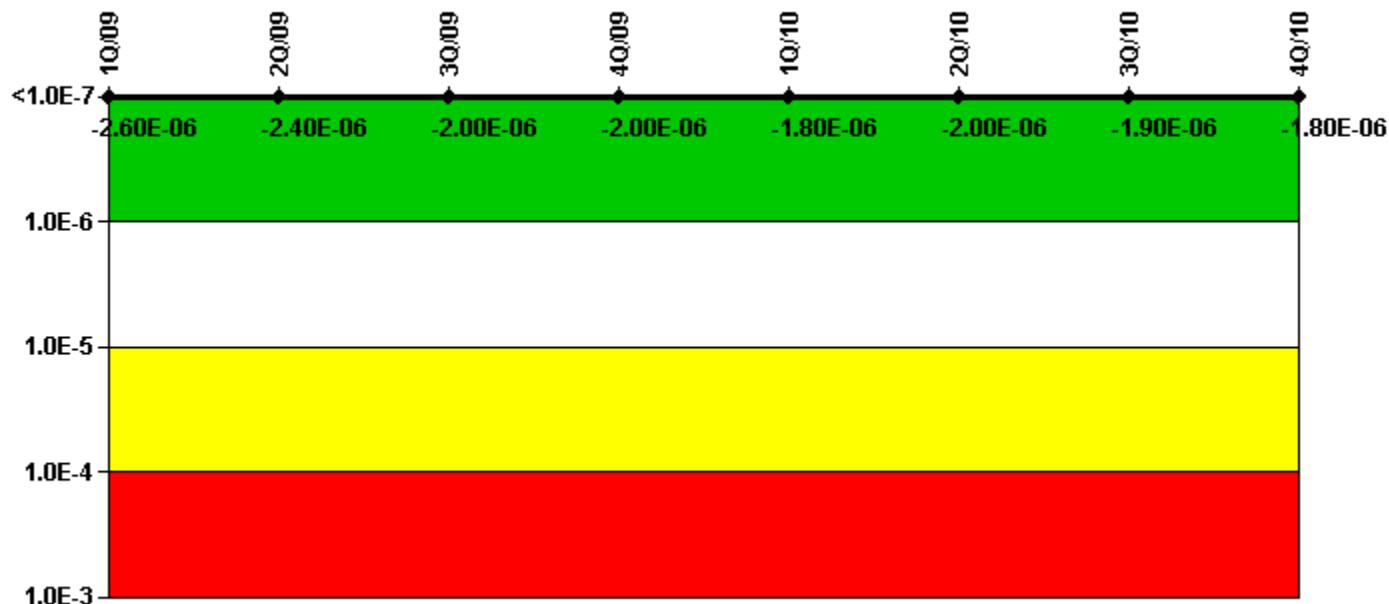
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	0	0	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



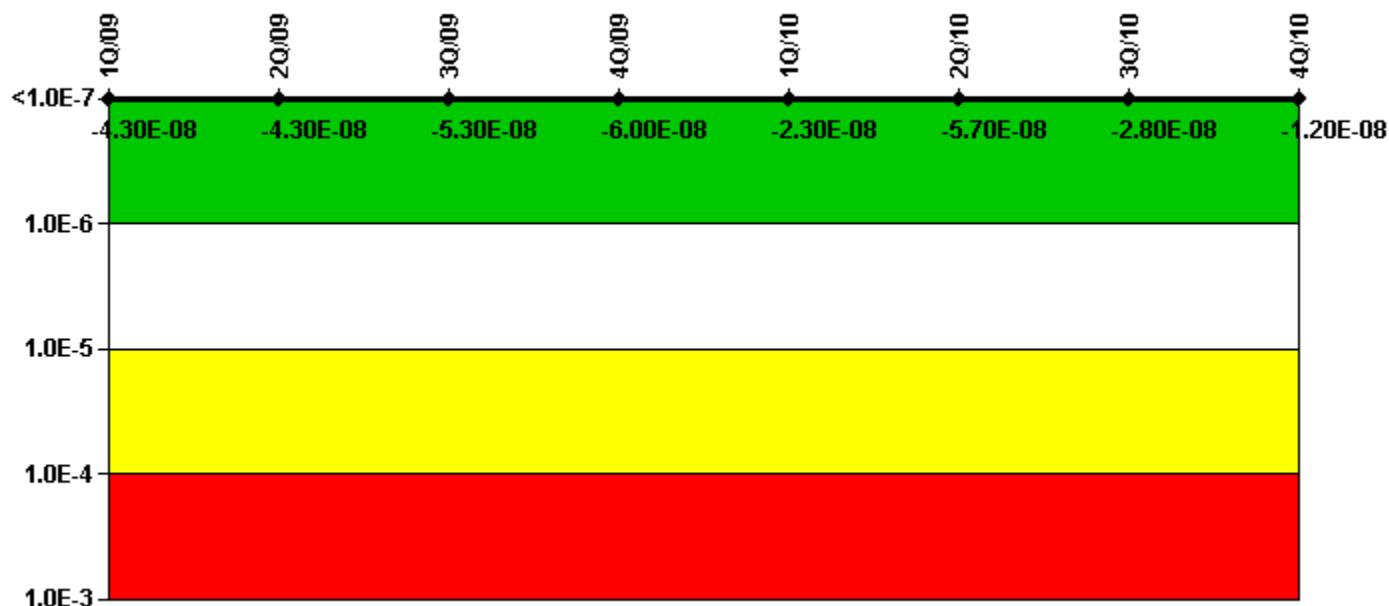
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-2.94E-07	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07	-8.27E-08	-2.14E-08	-1.45E-08
URI (Δ CDF)	-2.35E-06	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06
PLE	NO							
Indicator value	-2.60E-06	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06	-2.00E-06	-1.90E-06	-1.80E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



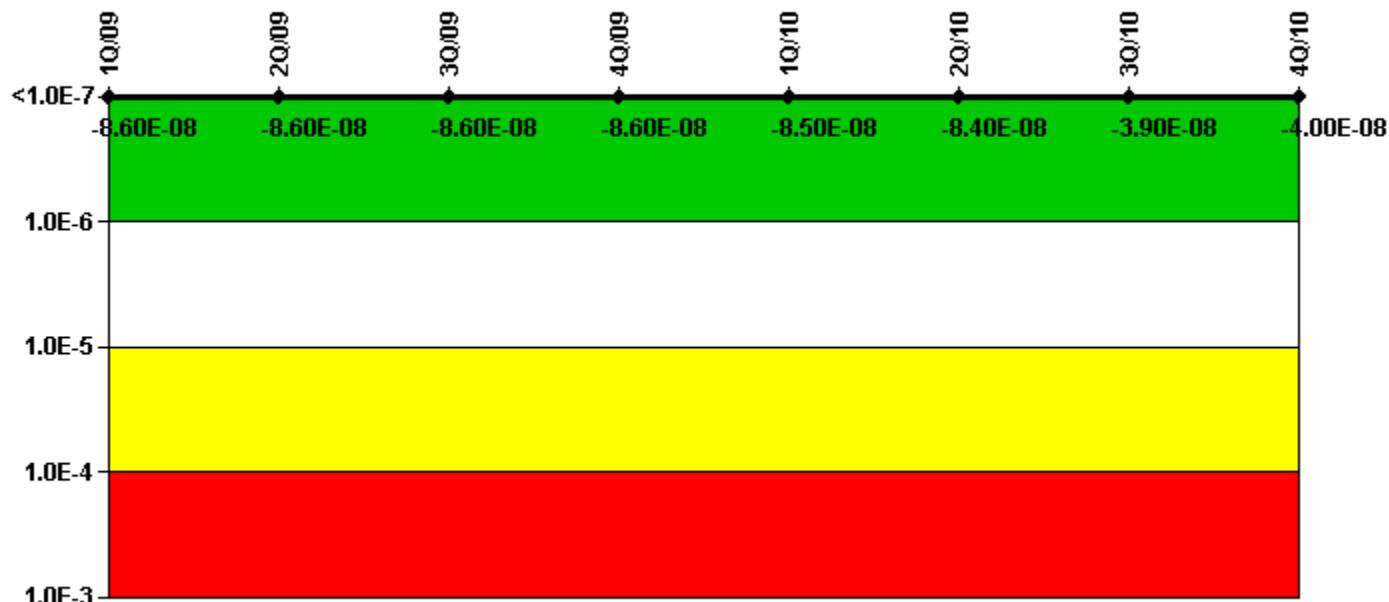
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	1.28E-07	1.27E-07	1.17E-07	1.11E-07	1.47E-07	1.14E-07	1.43E-07	1.59E-07
URI (Δ CDF)	-1.71E-07							
PLE	NO							
Indicator value	-4.30E-08	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08	-5.70E-08	-2.80E-08	-1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



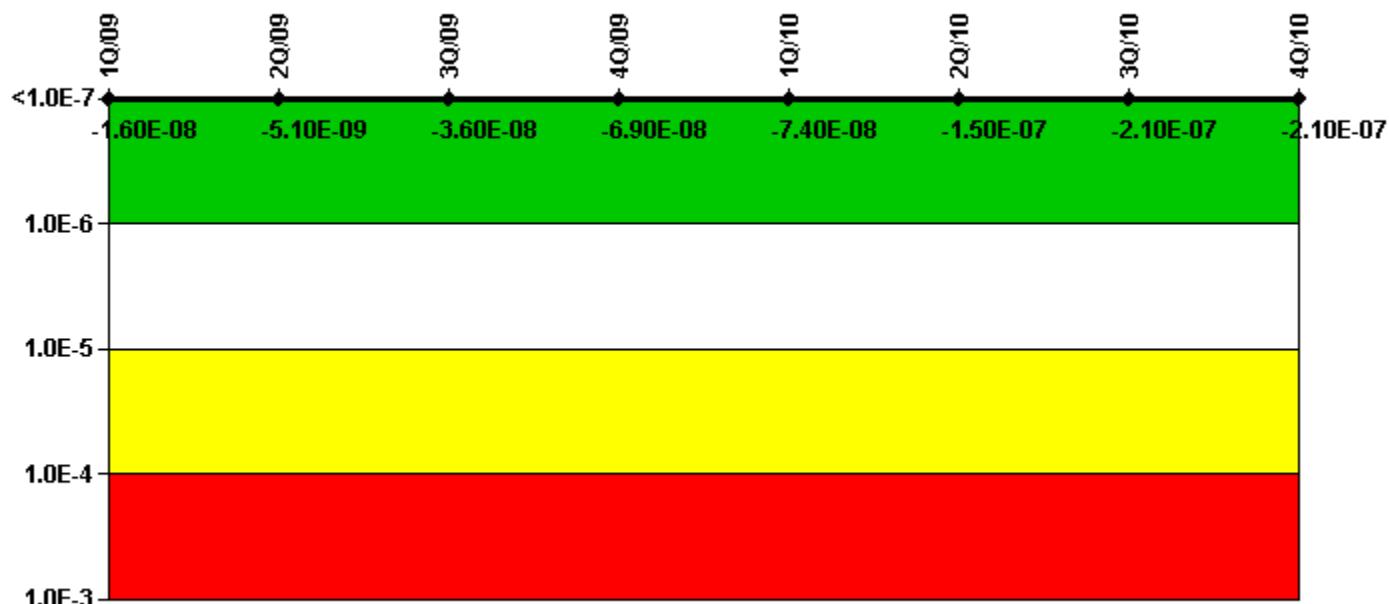
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.99E-08	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08	-1.73E-08	2.75E-08	2.86E-08
URI (Δ CDF)	-6.63E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.86E-08
PLE	NO							
Indicator value	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08	-8.40E-08	-3.90E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



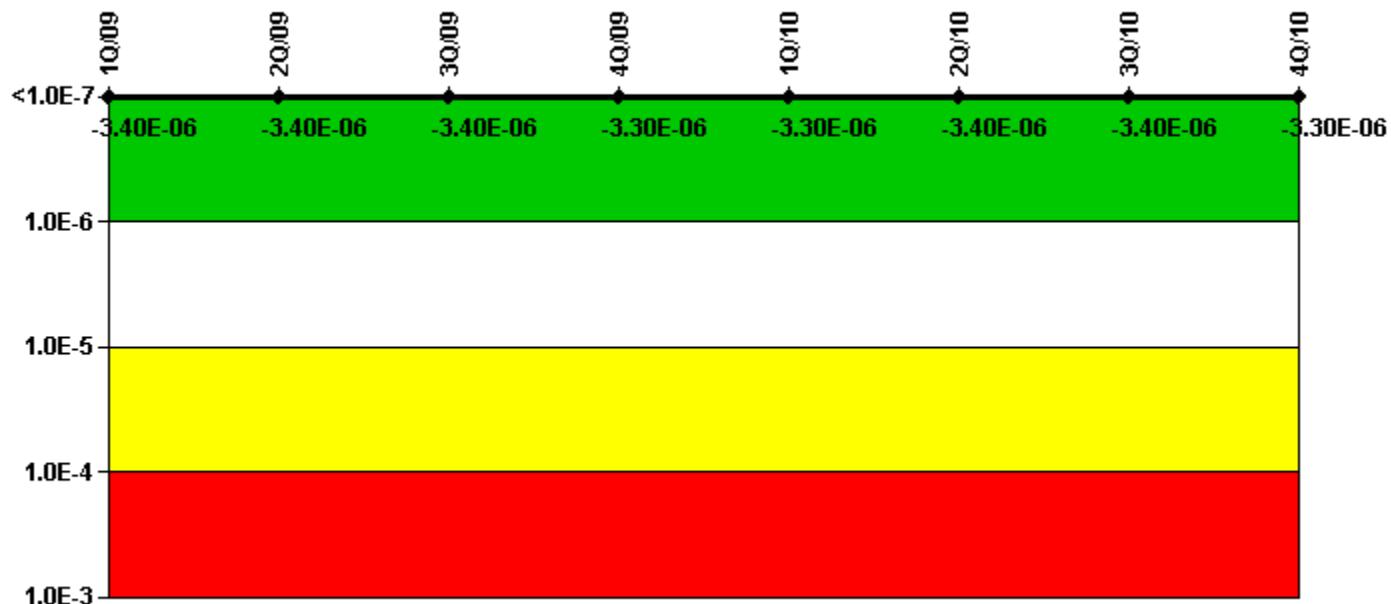
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	3.50E-07	3.61E-07	3.30E-07	2.97E-07	2.92E-07	2.21E-07	1.52E-07	1.55E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-1.60E-08	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08	-1.50E-07	-2.10E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

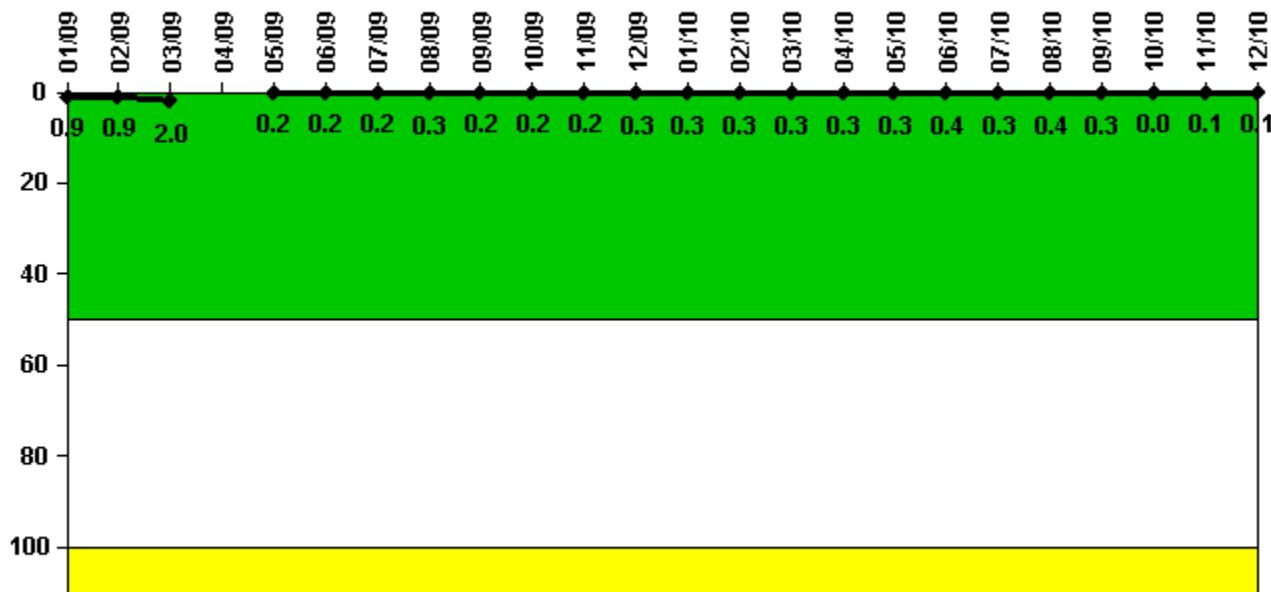
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-3.17E-06	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06	-3.15E-06	-3.15E-06	-3.13E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.40E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06	-3.30E-06

Licensee Comments:

4Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity



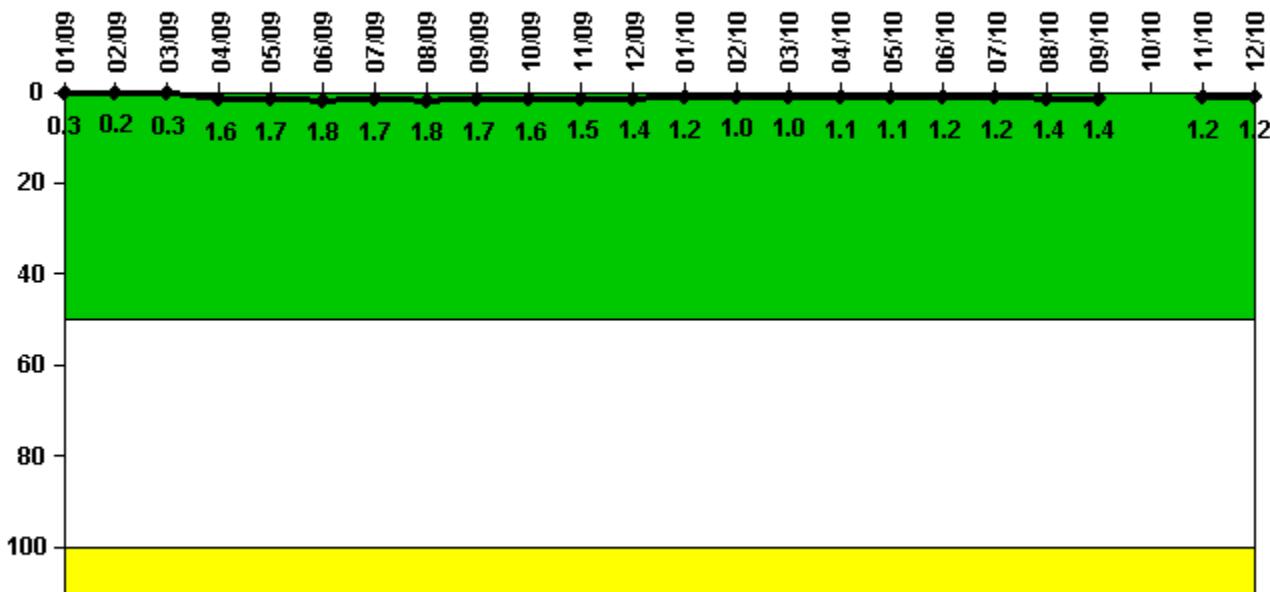
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.003055	0.002984	0.007078	N/A	0.000719	0.000740	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.9	0.9	2.0	N/A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3
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	0.000924	0.000992	0.001093	0.000958	0.001019	0.001407	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



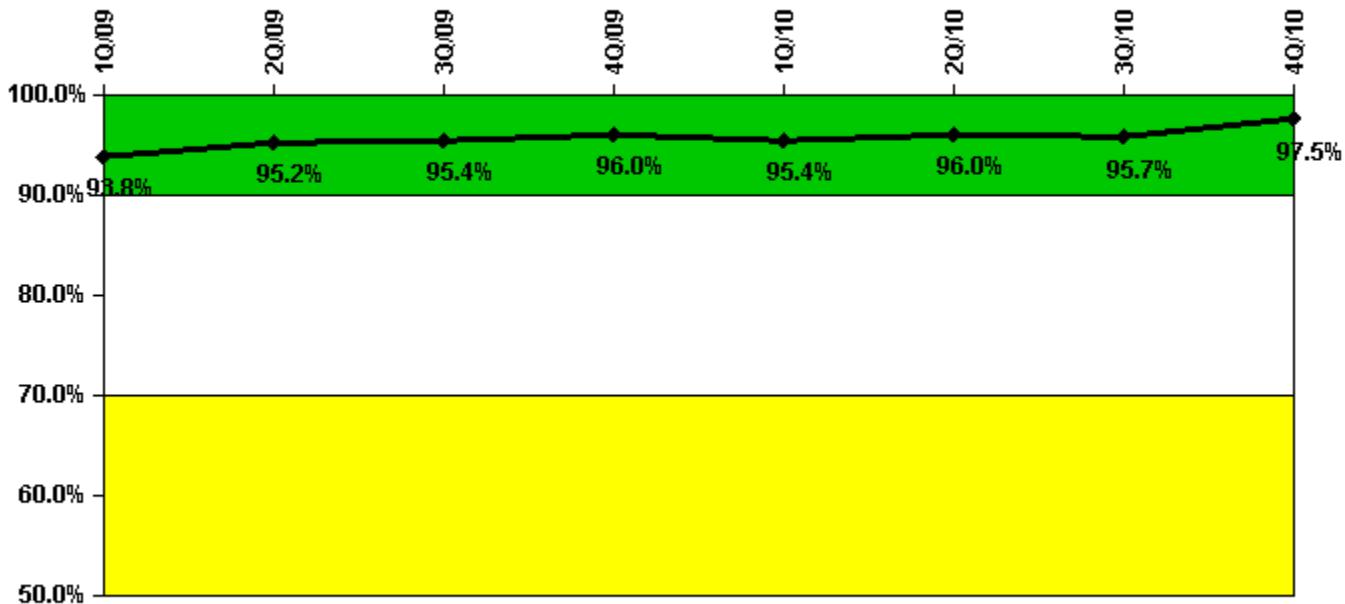
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.030	0.020	0.030	0.160	0.170	0.180	0.170	0.180	0.170	0.160	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.3	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4
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	0.120	0.100	0.100	0.110	0.110	0.120	0.120	0.140	0.140	N/A	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.0	1.0	1.1	1.1	1.2	1.2	1.4	1.4	N/A	1.2	1.2

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

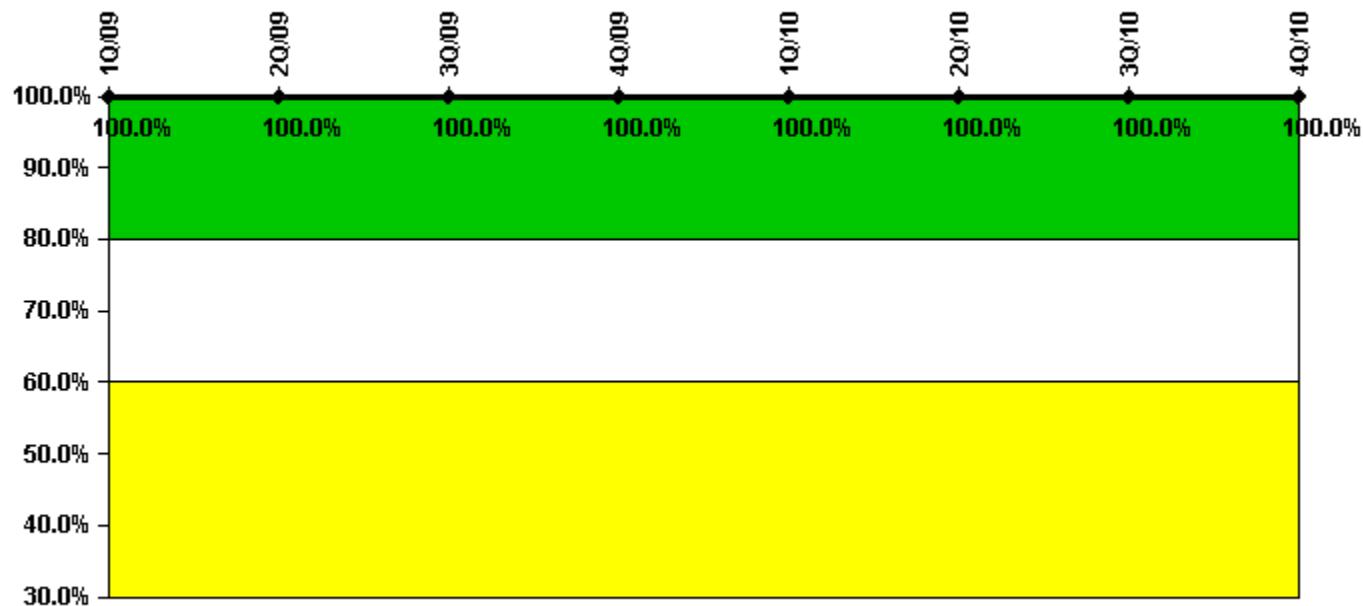
Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	21.0	40.0	41.0	16.0	20.0	22.0	26.0	45.0
Total opportunities	22.0	40.0	42.0	16.0	22.0	22.0	27.0	46.0
Indicator value	93.8%	95.2%	95.4%	96.0%	95.4%	96.0%	95.7%	97.5%

Licensee Comments:

3Q/10: Documentation for one previously reported notification opportunity and success could not be retrieved. The issue was documented in the Corrective Action Program.

ERO Drill Participation



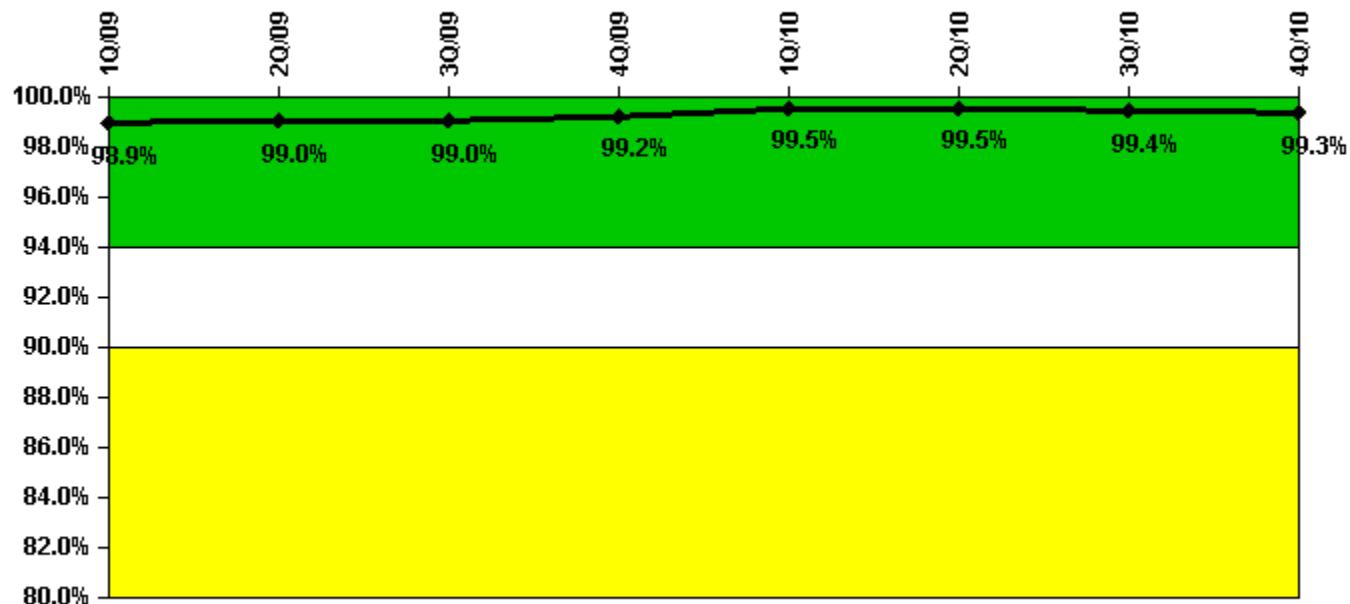
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	86.0	79.0	76.0	79.0	77.0	76.0	78.0	70.0
Total Key personnel	86.0	79.0	76.0	79.0	77.0	76.0	78.0	70.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



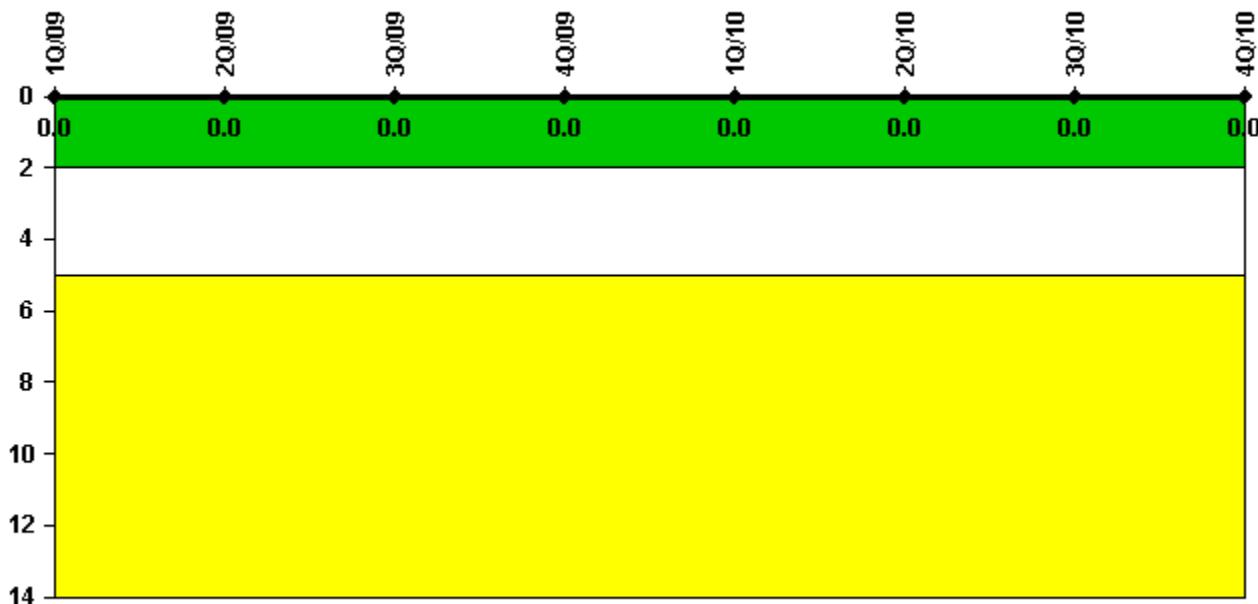
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	634	969	858	969	751	967	747	967
Total sirens-tests	648	972	864	972	756	972	756	972
Indicator value	98.9%	99.0%	99.0%	99.2%	99.5%	99.5%	99.4%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



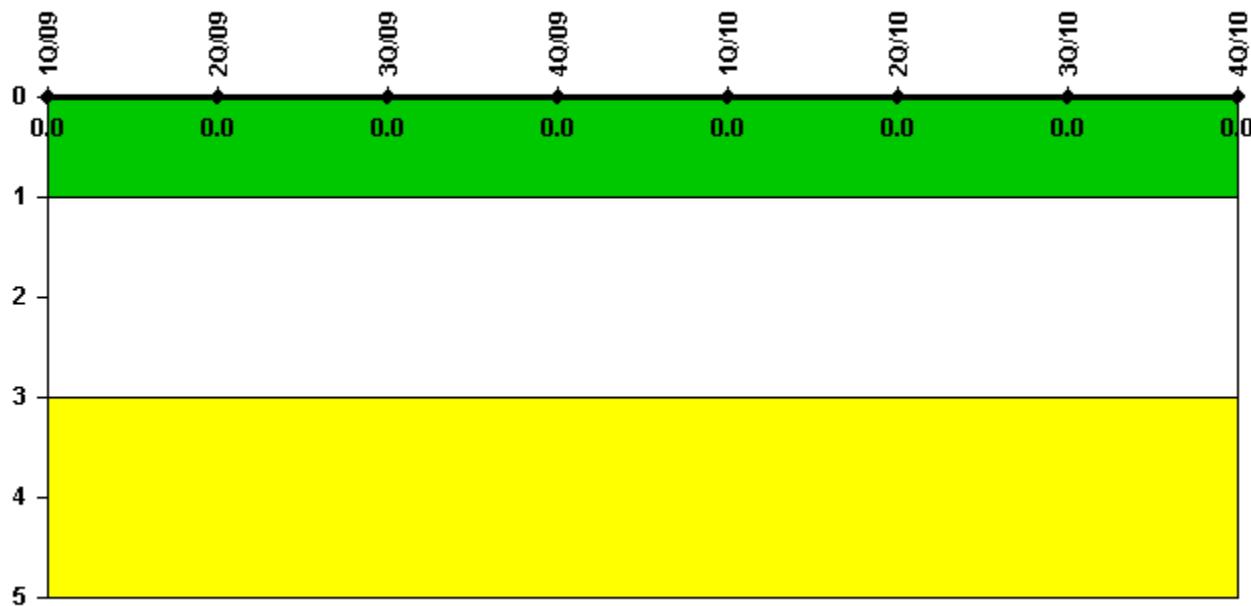
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

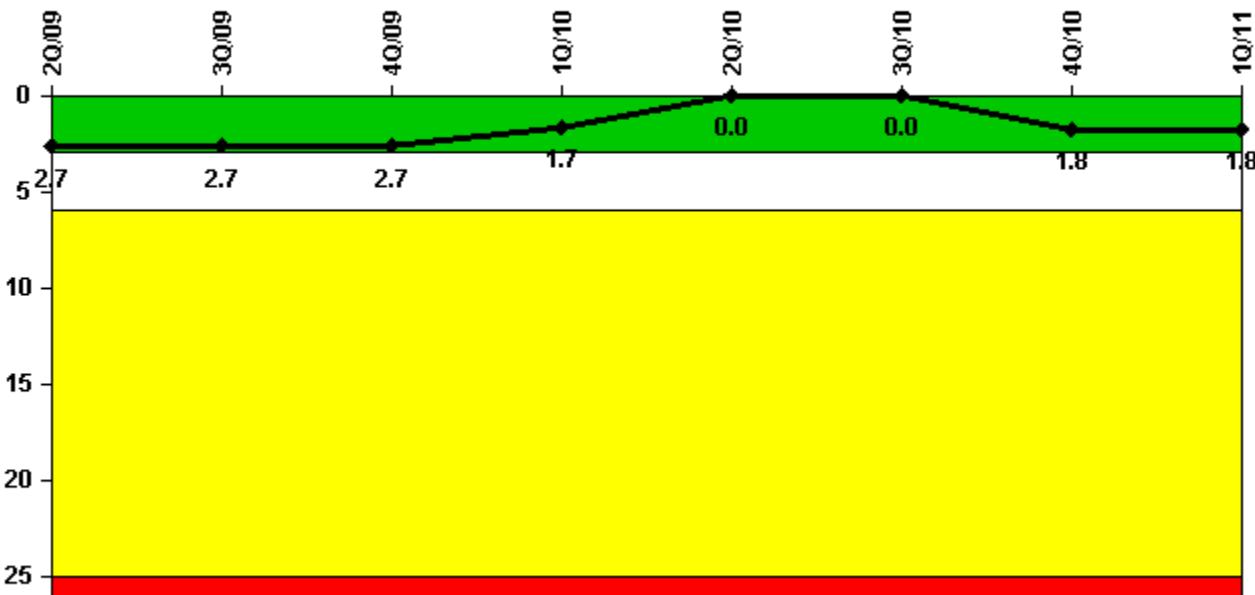
Security information not publicly available.

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1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



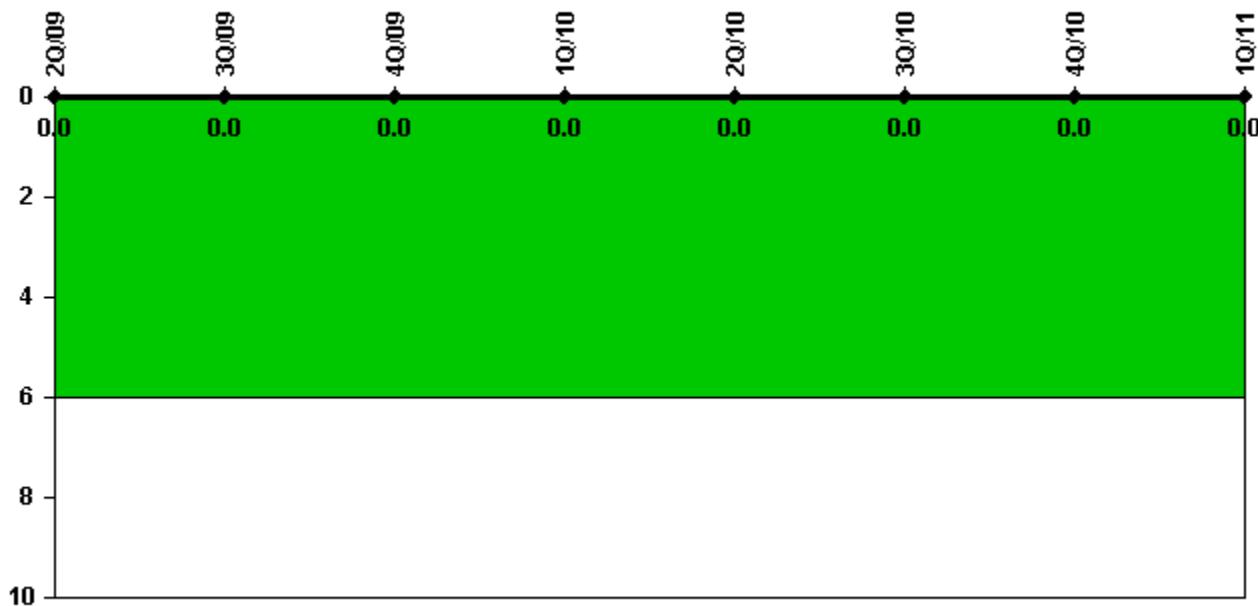
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	2.0	0
Critical hours	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0
Indicator value	2.7	2.7	2.7	1.7	0	0	1.8	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



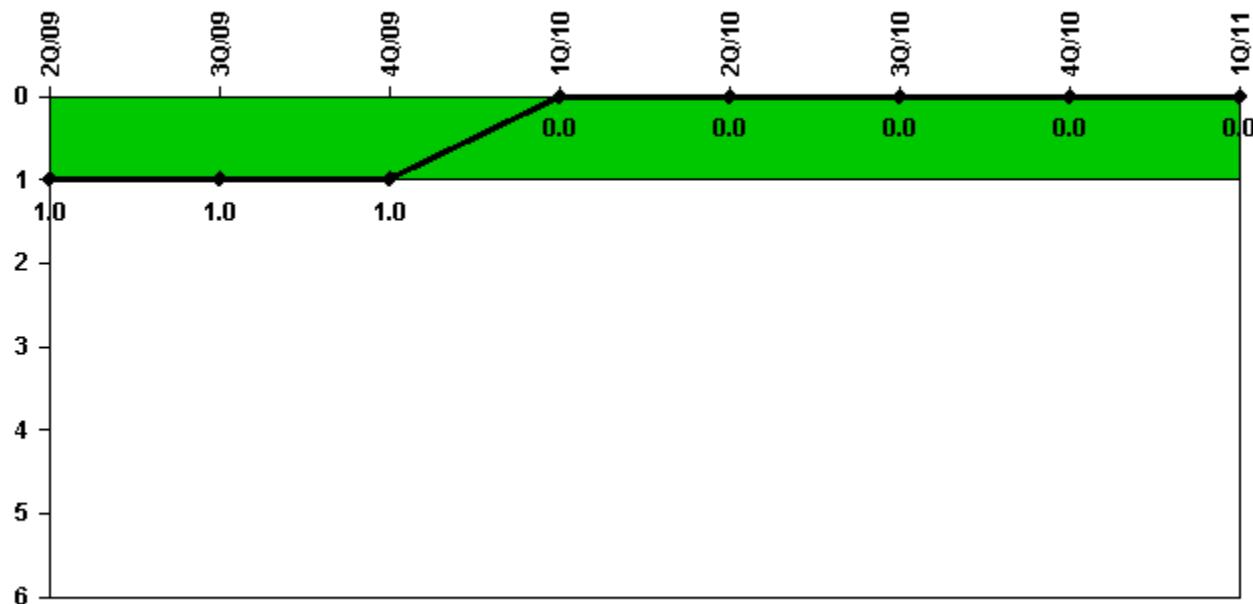
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1441.3	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



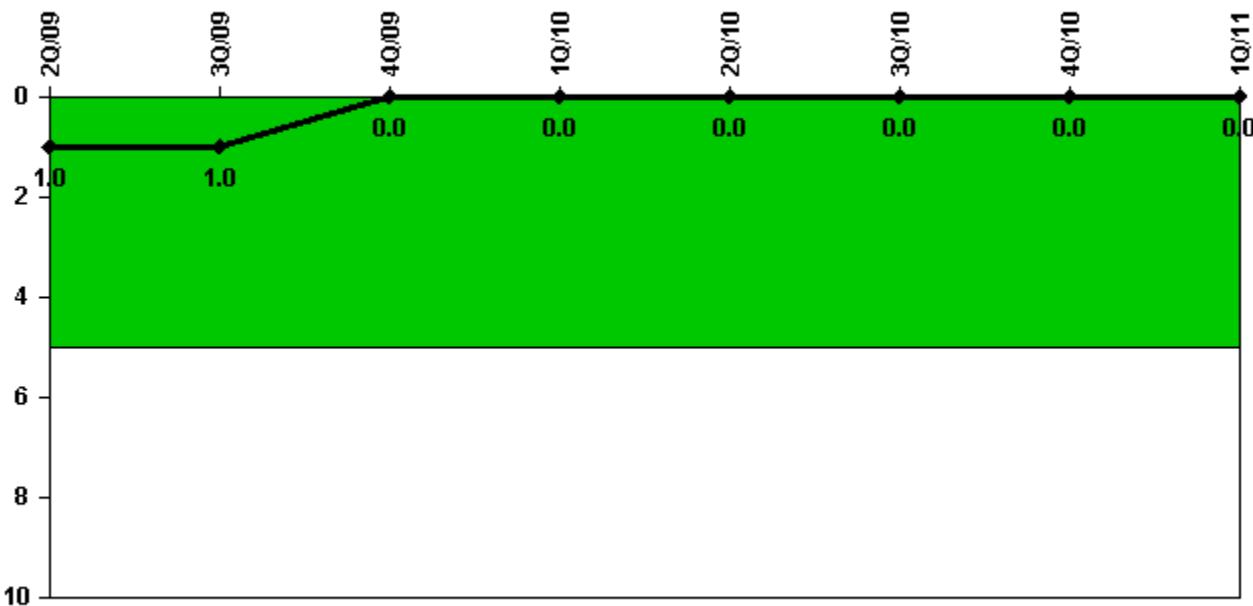
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



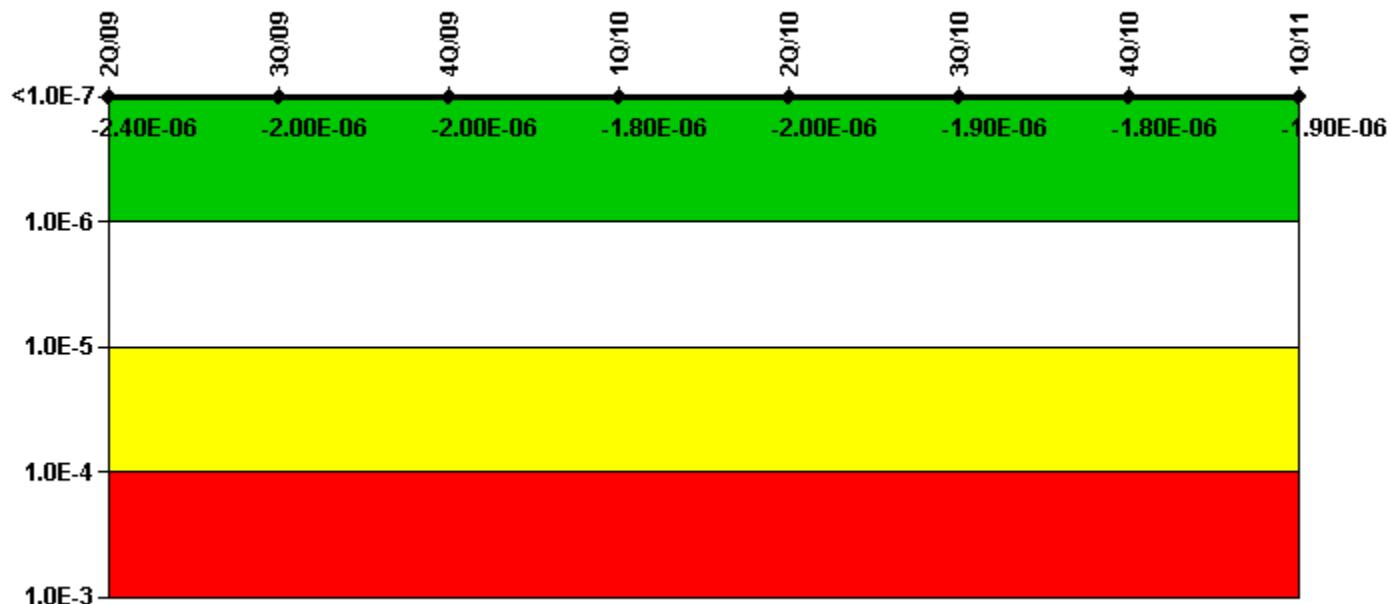
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	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



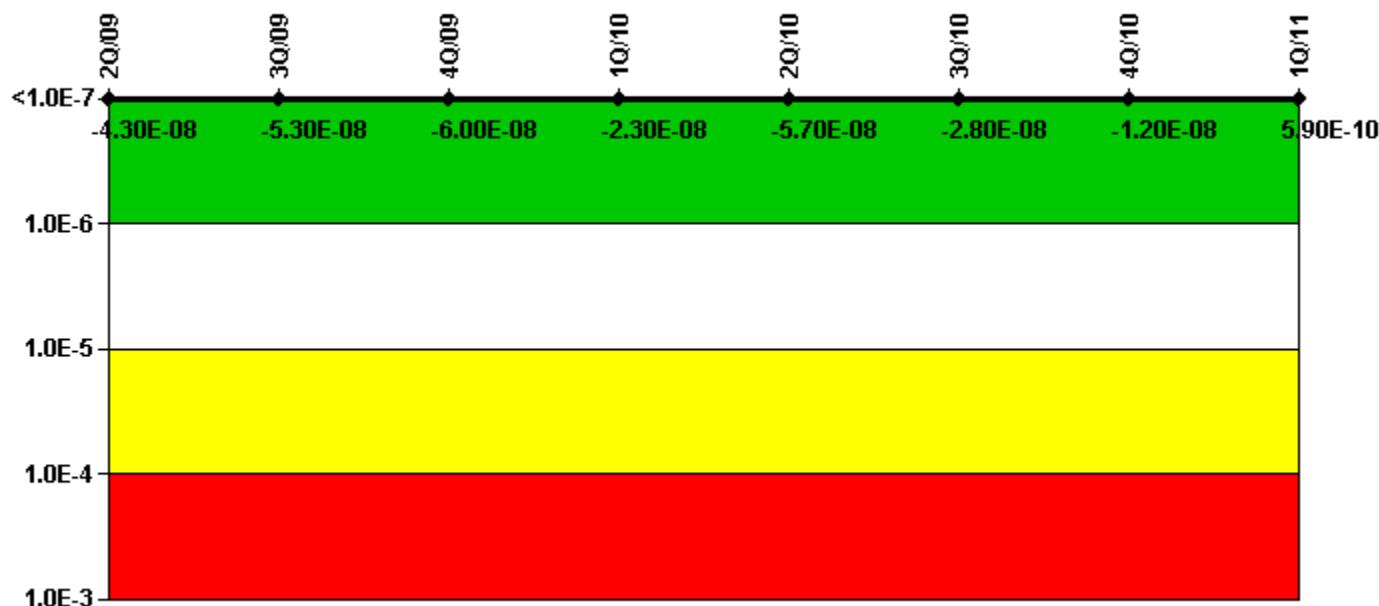
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07	-8.27E-08	-2.14E-08	-1.45E-08	1.02E-08
URI (Δ CDF)	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06
PLE	NO							
Indicator value	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06	-2.00E-06	-1.90E-06	-1.80E-06	-1.90E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



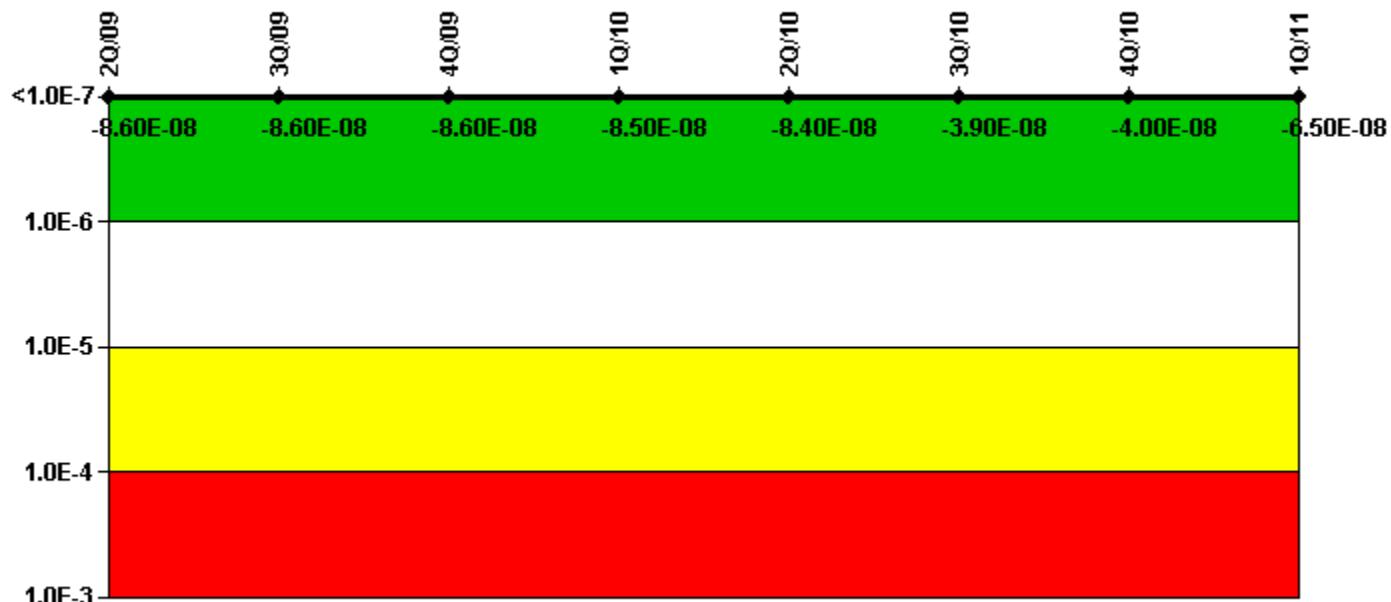
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	1.27E-07	1.17E-07	1.11E-07	1.47E-07	1.14E-07	1.43E-07	1.59E-07	1.71E-07
URI (Δ CDF)	-1.71E-07	-1.71E-07						
PLE	NO	NO						
Indicator value	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08	-5.70E-08	-2.80E-08	-1.20E-08	5.90E-10

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



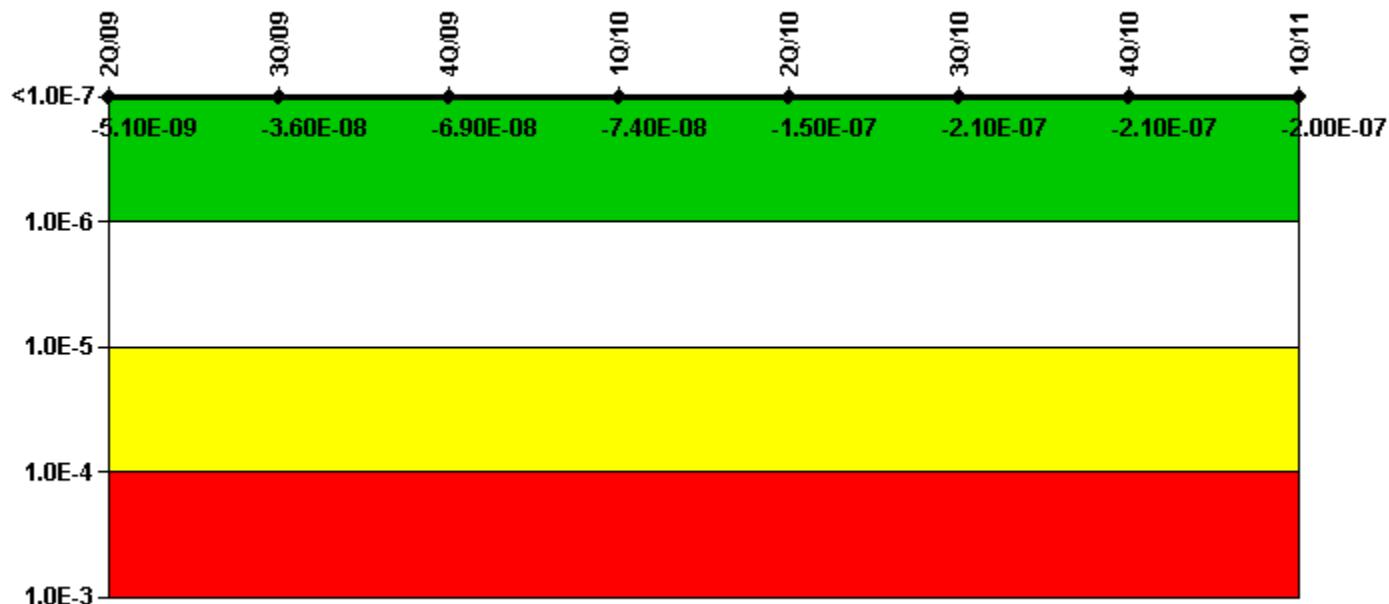
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08	-1.73E-08	2.75E-08	2.86E-08	2.66E-08
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.86E-08	-9.15E-08
PLE	NO							
Indicator value	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08	-8.40E-08	-3.90E-08	-4.00E-08	-6.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



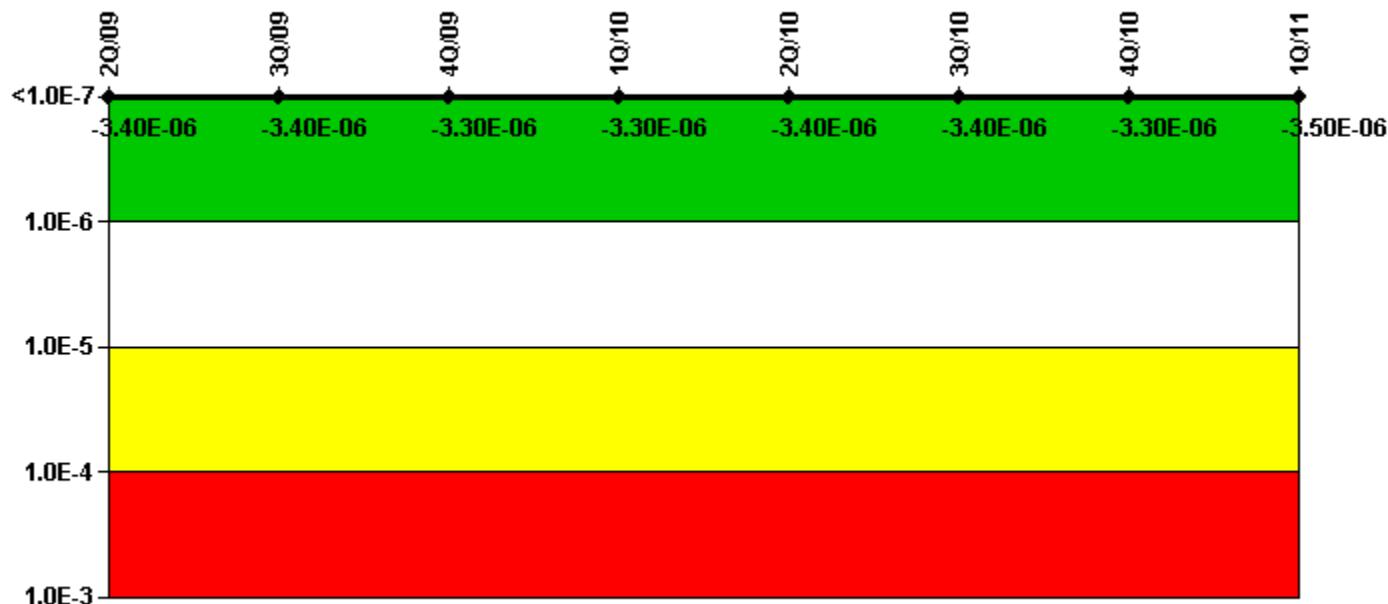
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	3.61E-07	3.30E-07	2.97E-07	2.92E-07	2.21E-07	1.52E-07	1.55E-07	1.69E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08	-1.50E-07	-2.10E-07	-2.10E-07	-2.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06	-3.15E-06	-3.15E-06	-3.13E-06	-3.26E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.50E-06

Licensee Comments:

1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

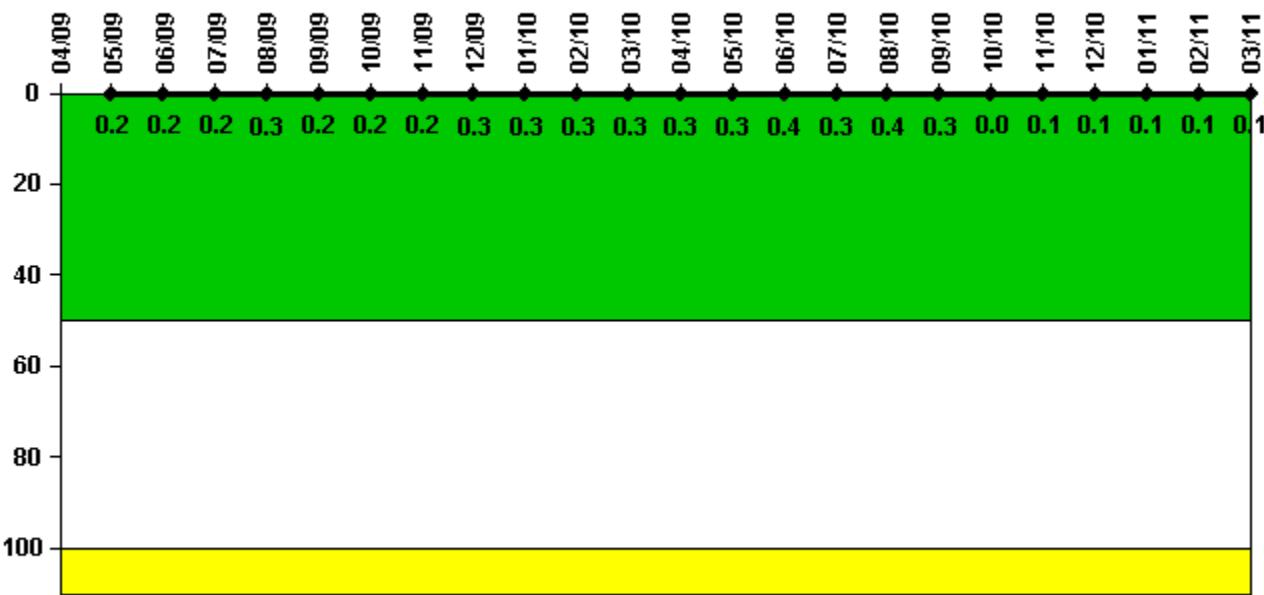
3Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/09: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



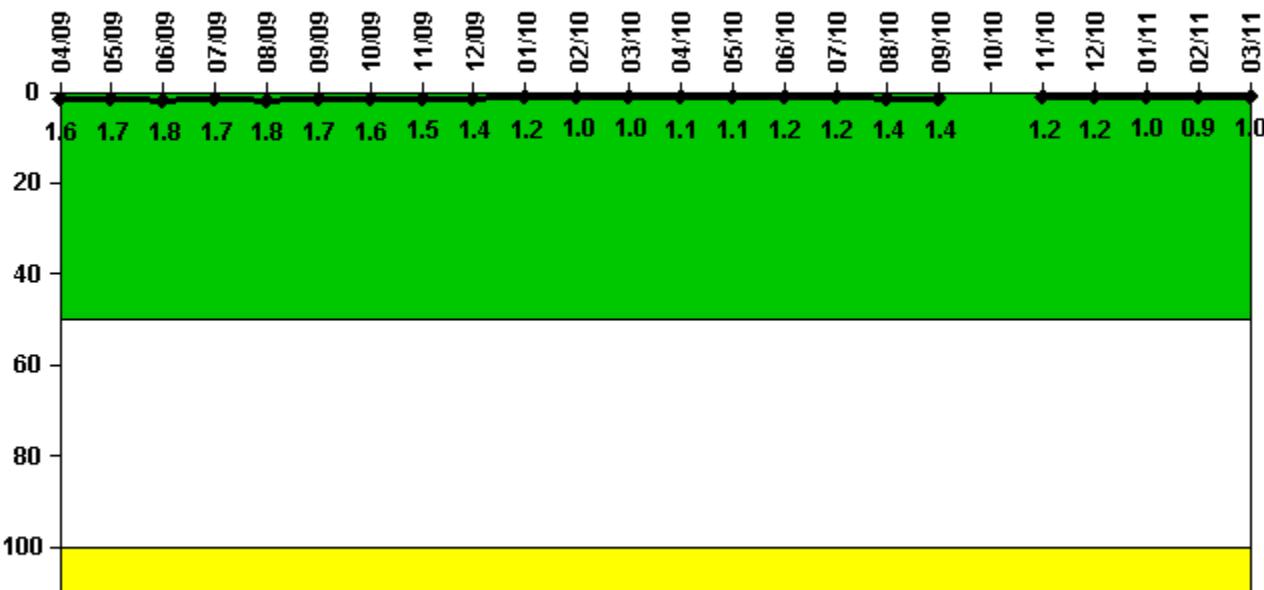
Thresholds: White > 50.0 Yellow > 100.0

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	N/A	0.000719	0.000740	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3
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	0.000958	0.001019	0.001407	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453	0.000384	0.000512	0.000384
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.3	0.4	0.3	0.4	0.3	0	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



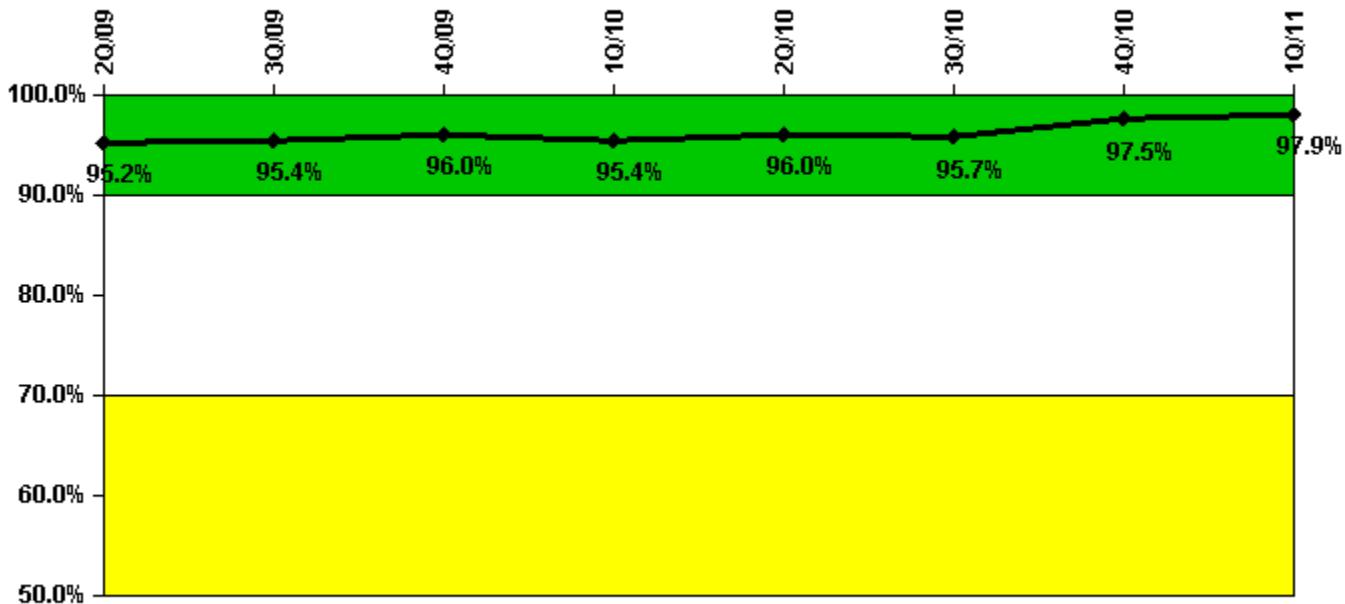
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.160	0.170	0.180	0.170	0.180	0.170	0.160	0.150	0.140	0.120	0.100	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	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4	1.2	1.0	1.0
Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.110	0.110	0.120	0.120	0.140	0.140	N/A	0.120	0.120	0.100	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.1	1.2	1.2	1.4	1.4	N/A	1.2	1.2	1.0	0.9	1.0

Licensee Comments: none

Drill/Exercise Performance



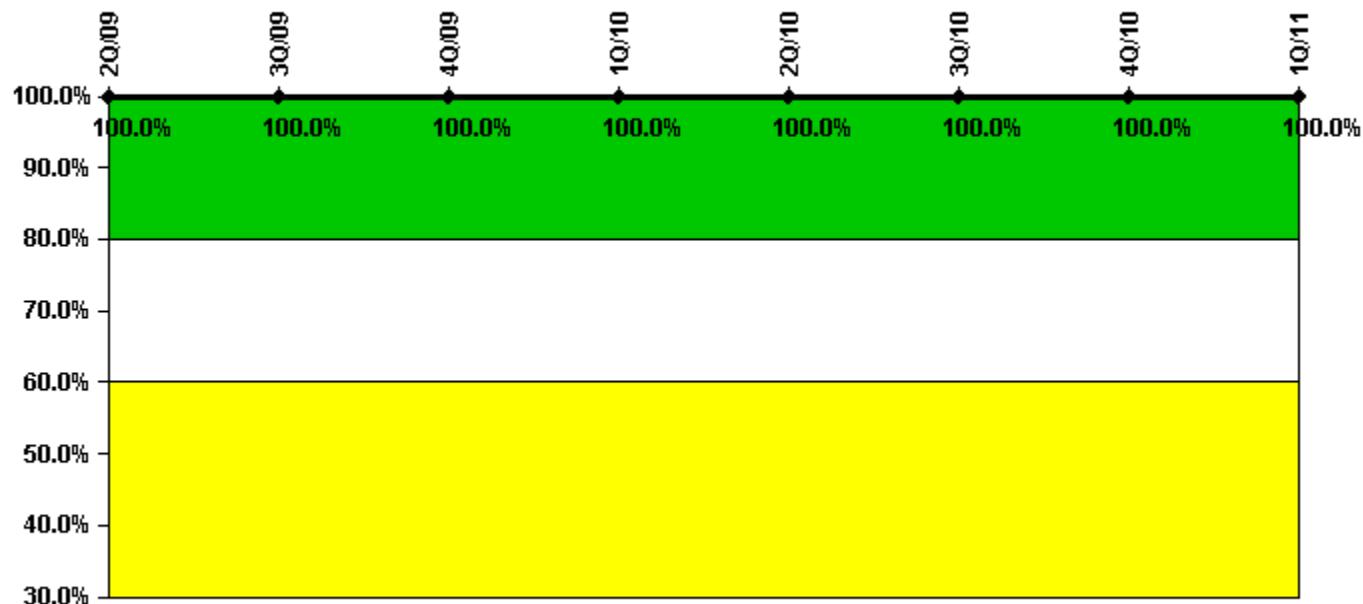
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	40.0	41.0	16.0	20.0	22.0	26.0	45.0	18.0
Total opportunities	40.0	42.0	16.0	22.0	22.0	27.0	46.0	18.0
Indicator value	95.2%	95.4%	96.0%	95.4%	96.0%	95.7%	97.5%	97.9%

Licensee Comments: none

ERO Drill Participation



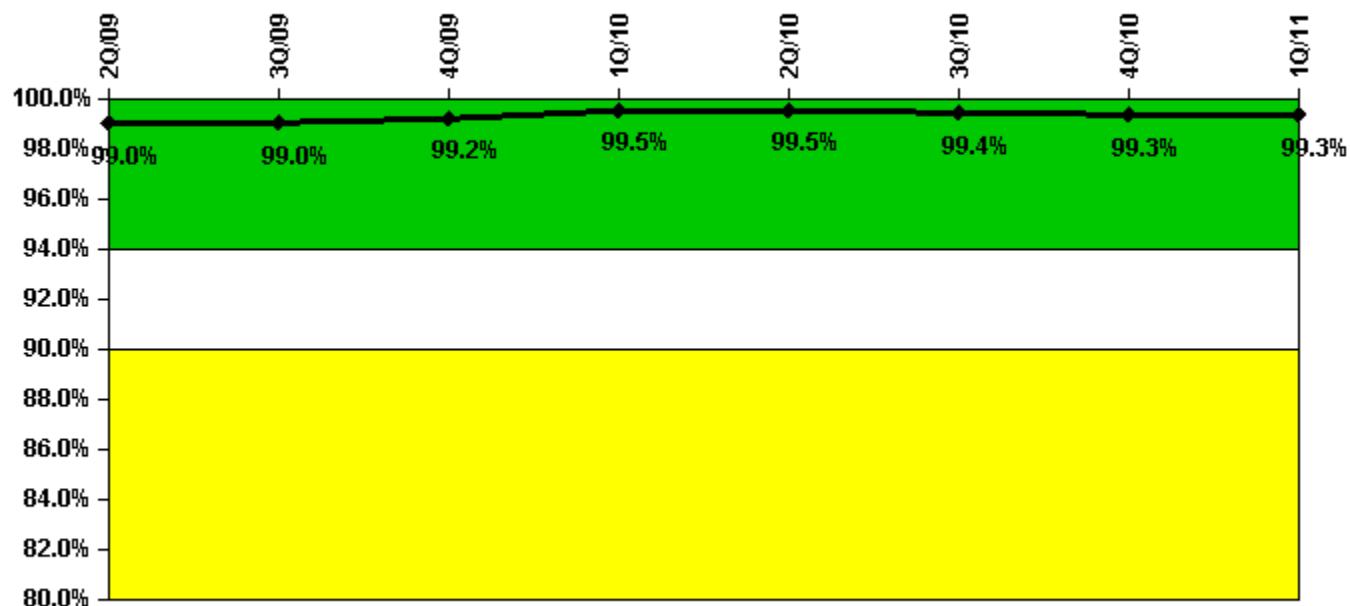
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	79.0	76.0	79.0	77.0	76.0	78.0	70.0	78.0
Total Key personnel	79.0	76.0	79.0	77.0	76.0	78.0	70.0	78.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



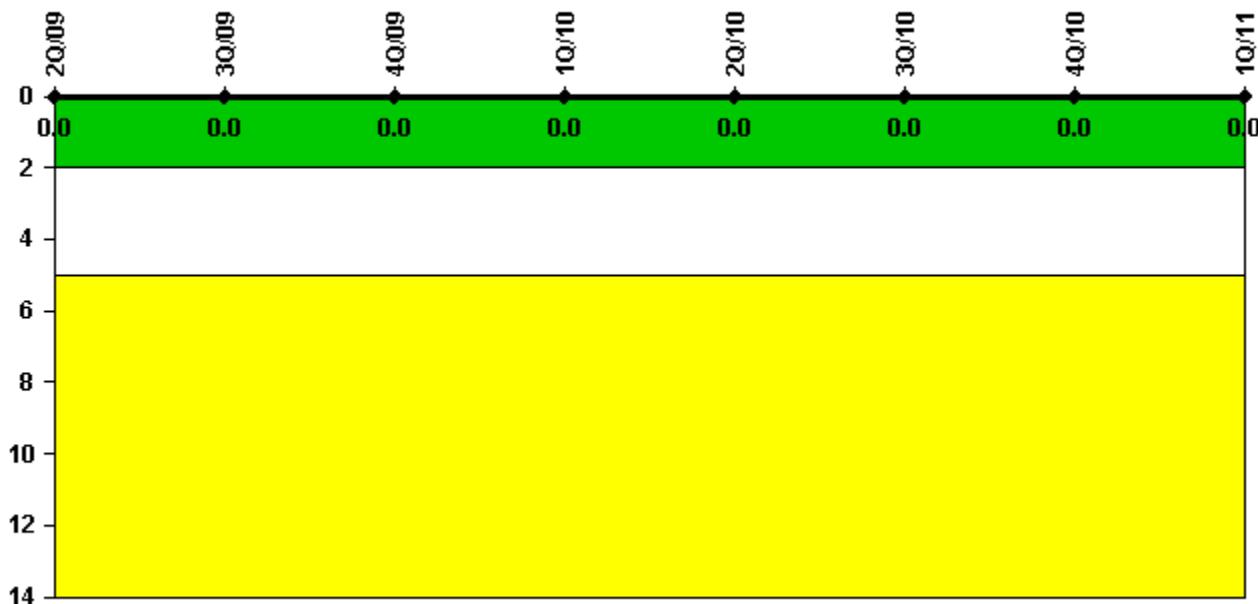
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	969	858	969	751	967	747	967	752
Total sirens-tests	972	864	972	756	972	756	972	756
Indicator value	99.0%	99.0%	99.2%	99.5%	99.5%	99.4%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



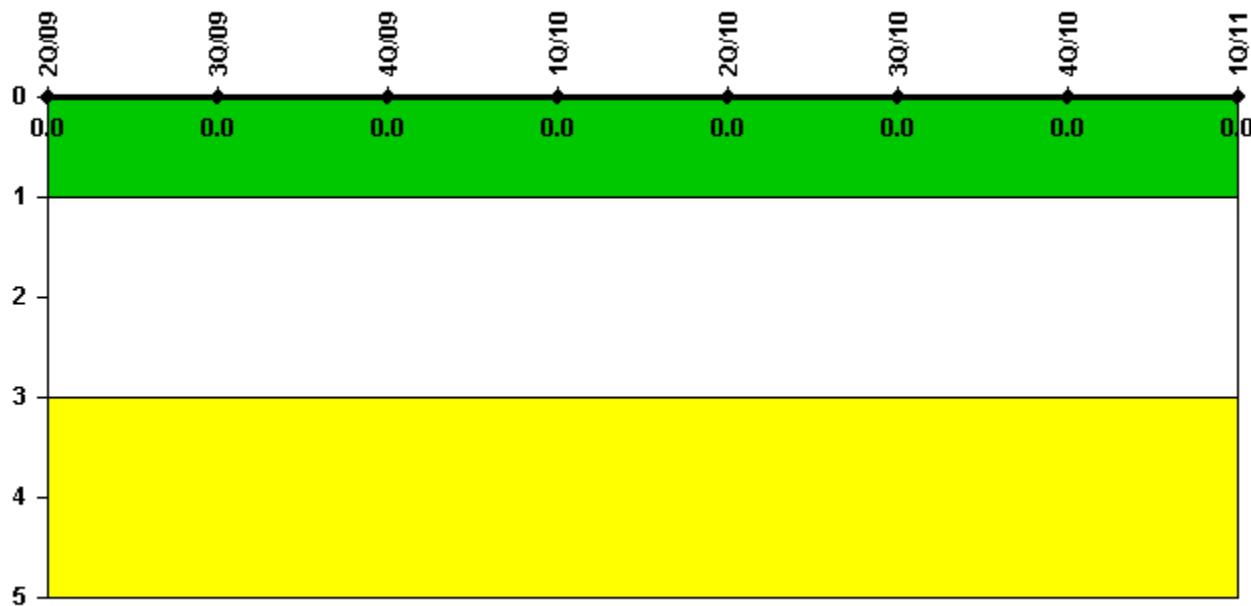
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

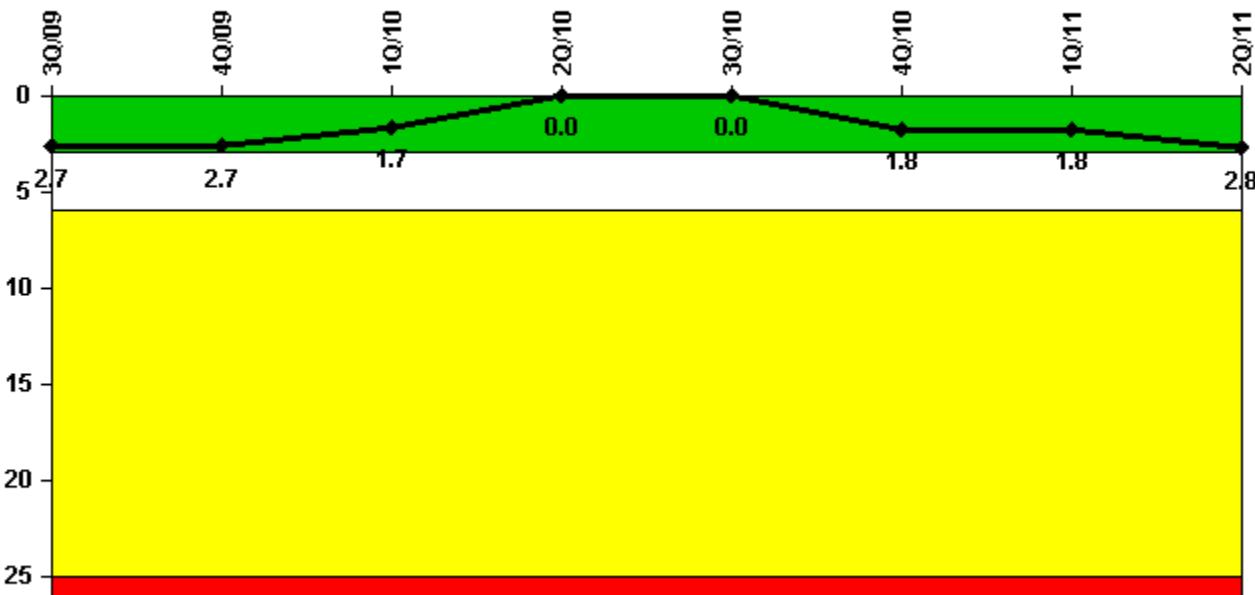
[Security](#) information not publicly available.

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2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



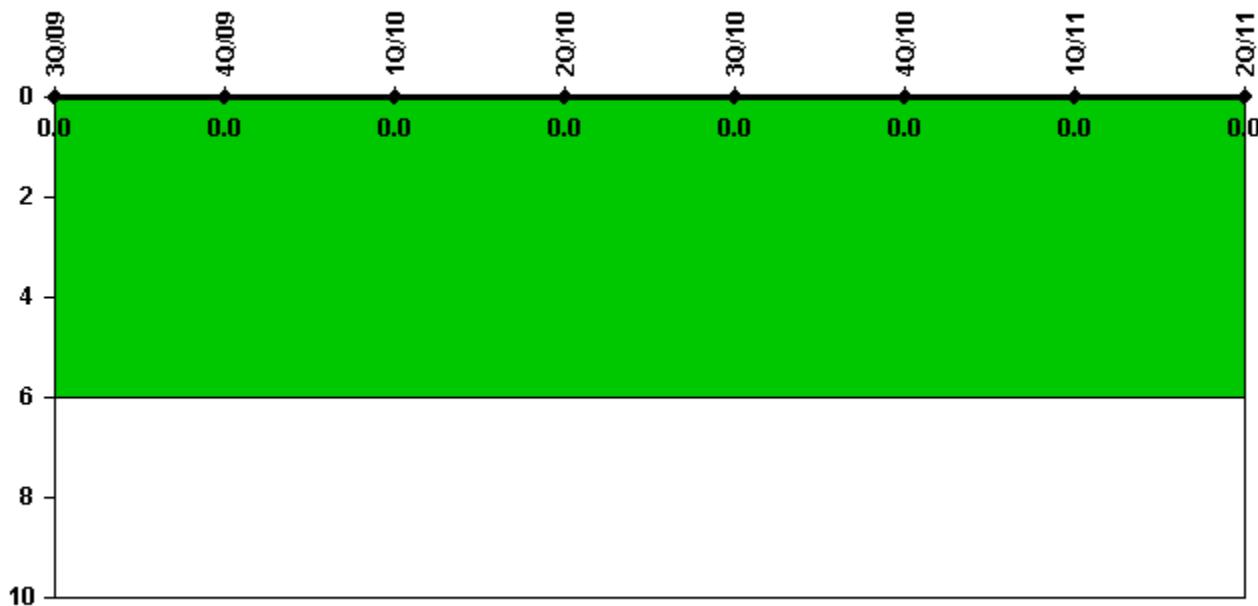
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	2.0	0	1.0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8
Indicator value	2.7	2.7	1.7	0	0	1.8	1.8	2.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



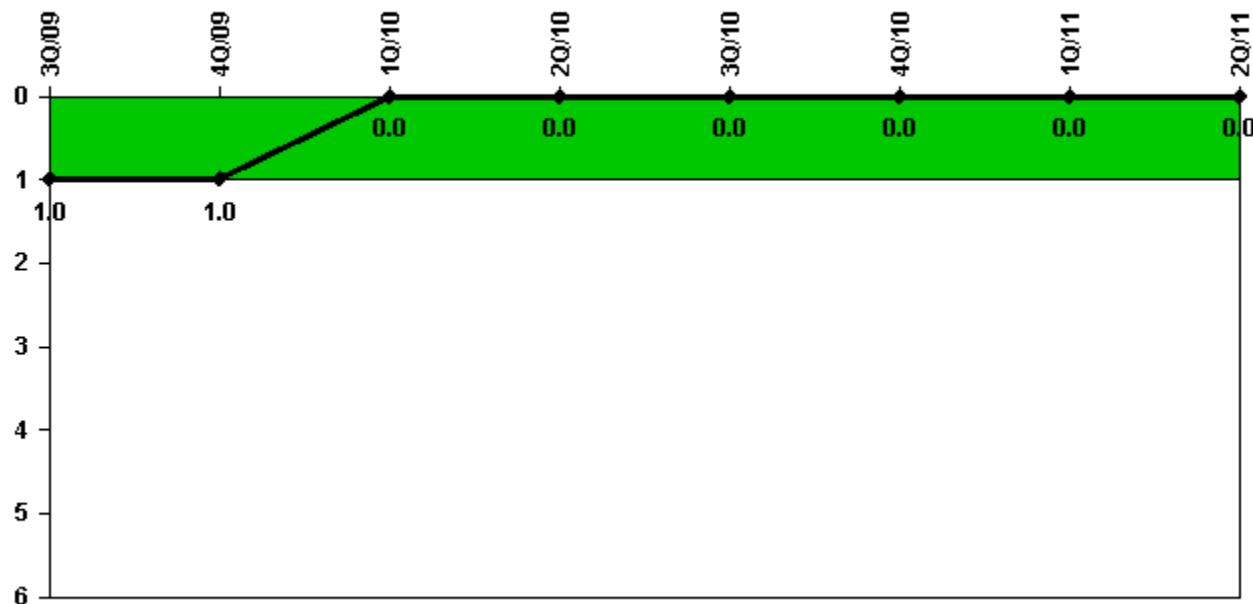
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



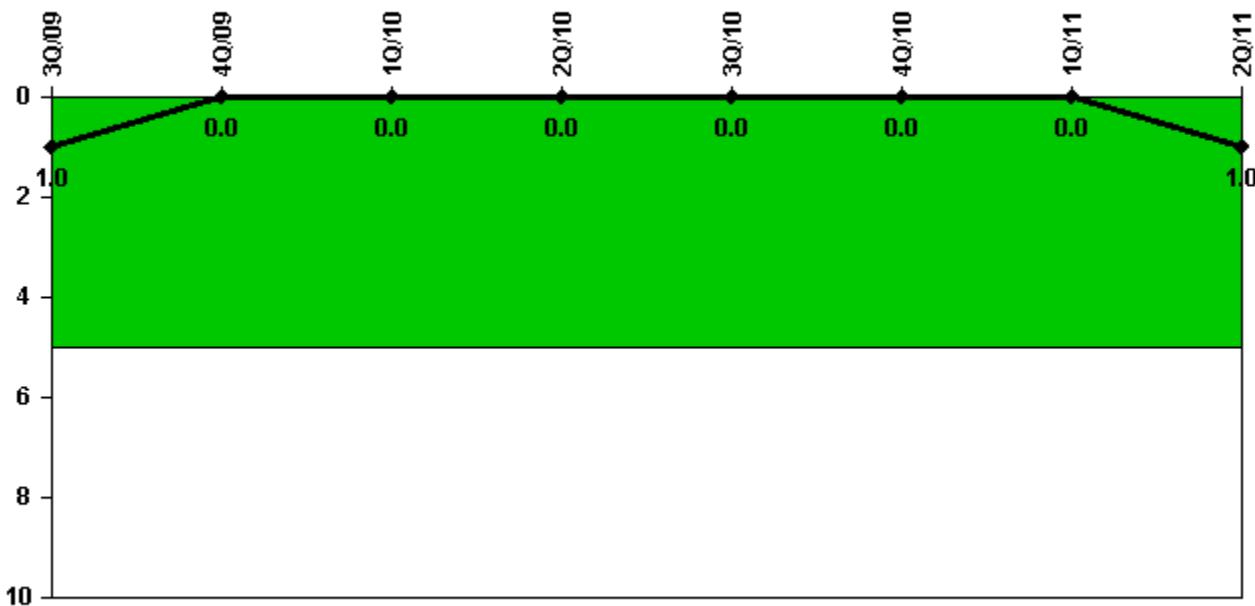
Thresholds: White > 1.0

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	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



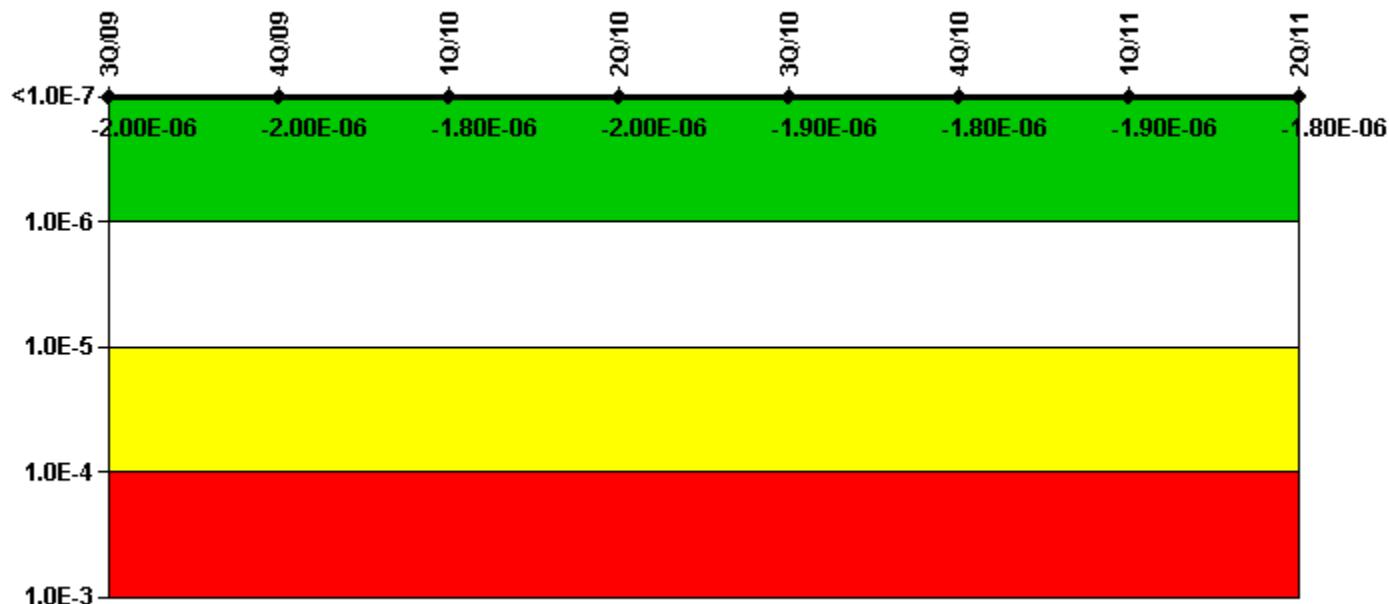
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



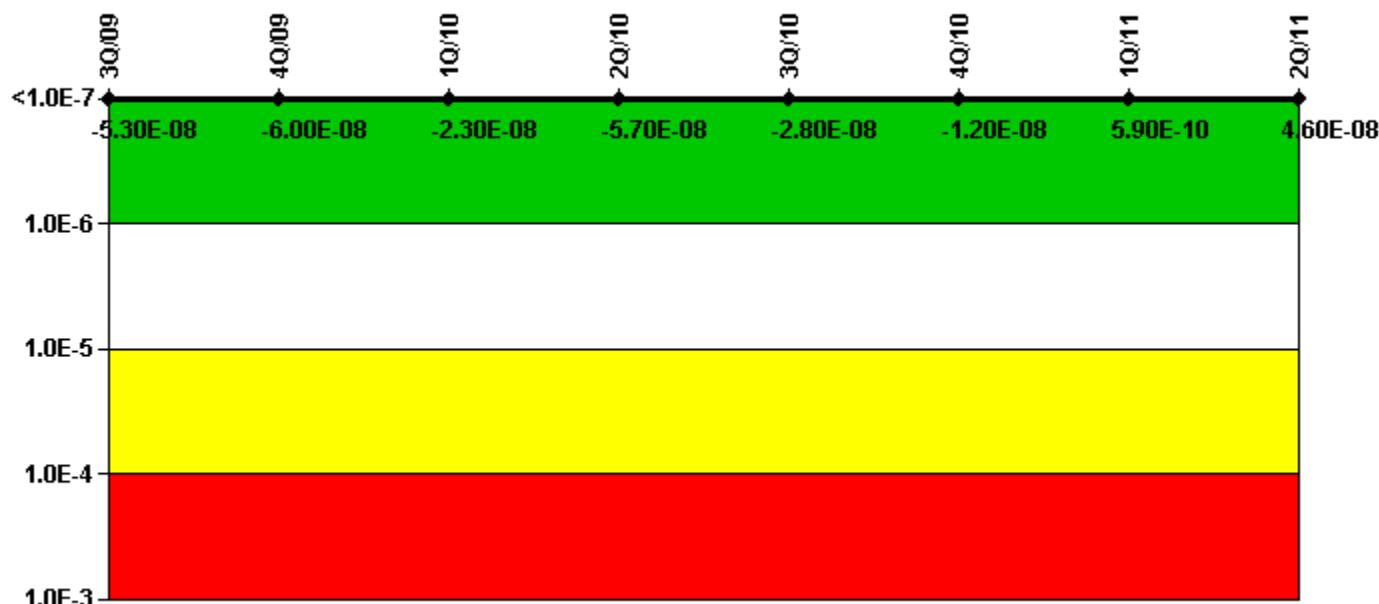
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.44E-08	-7.03E-09	2.21E-07	-8.27E-08	-2.14E-08	-1.45E-08	1.02E-08	5.39E-08
URI (Δ CDF)	-2.00E-06	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06
PLE	NO							
Indicator value	-2.00E-06	-2.00E-06	-1.80E-06	-2.00E-06	-1.90E-06	-1.80E-06	-1.90E-06	-1.80E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



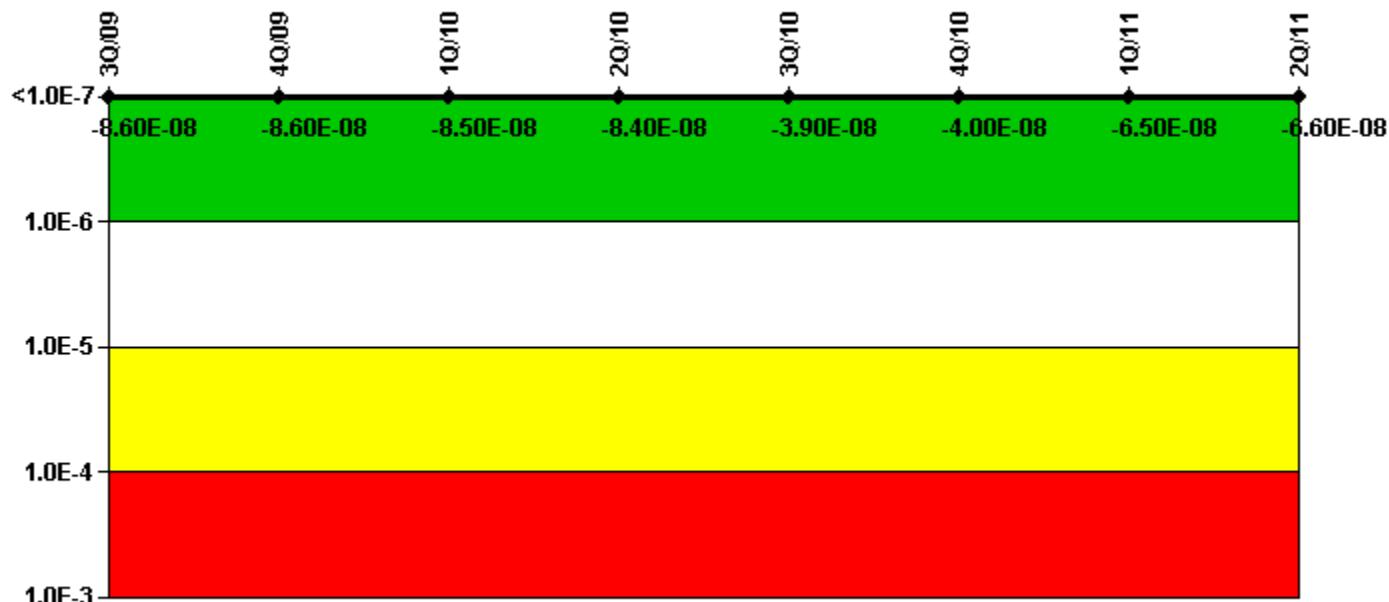
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	1.17E-07	1.11E-07	1.47E-07	1.14E-07	1.43E-07	1.59E-07	1.71E-07	2.17E-07
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.30E-08	-6.00E-08	-2.30E-08	-5.70E-08	-2.80E-08	-1.20E-08	5.90E-10	4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



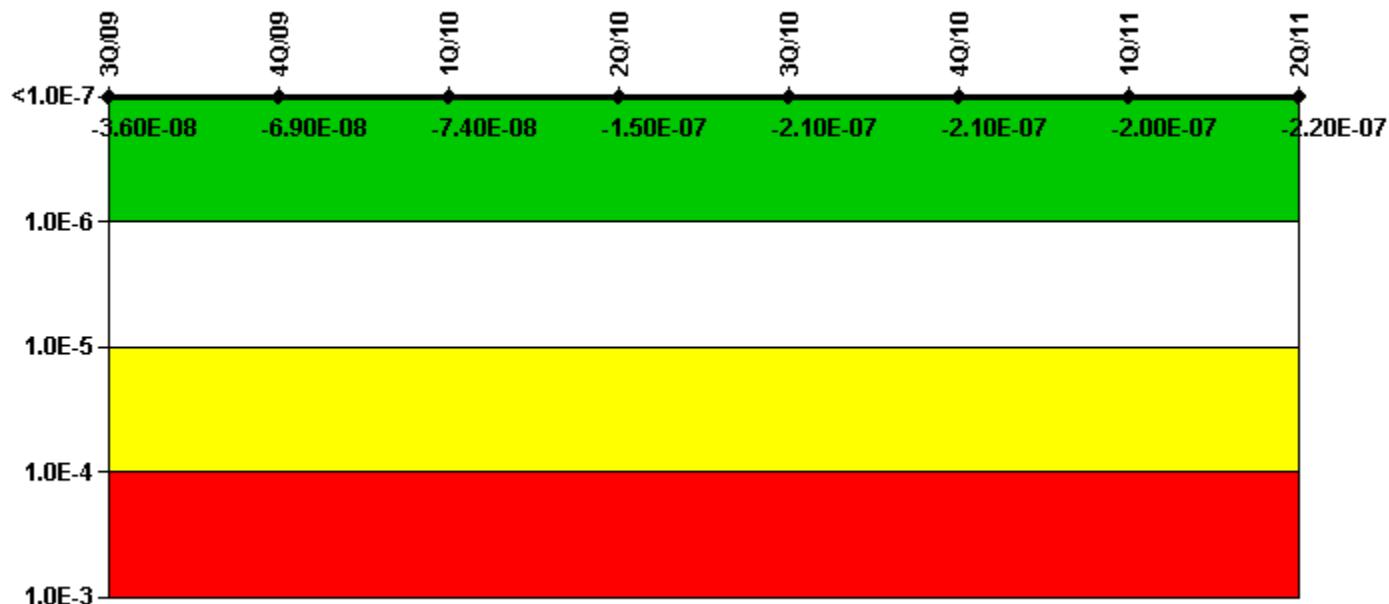
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.98E-08	-1.98E-08	-1.85E-08	-1.73E-08	2.75E-08	2.86E-08	2.66E-08	2.71E-08
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.86E-08	-9.15E-08	-9.31E-08
PLE	NO							
Indicator value	-8.60E-08	-8.60E-08	-8.50E-08	-8.40E-08	-3.90E-08	-4.00E-08	-6.50E-08	-6.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



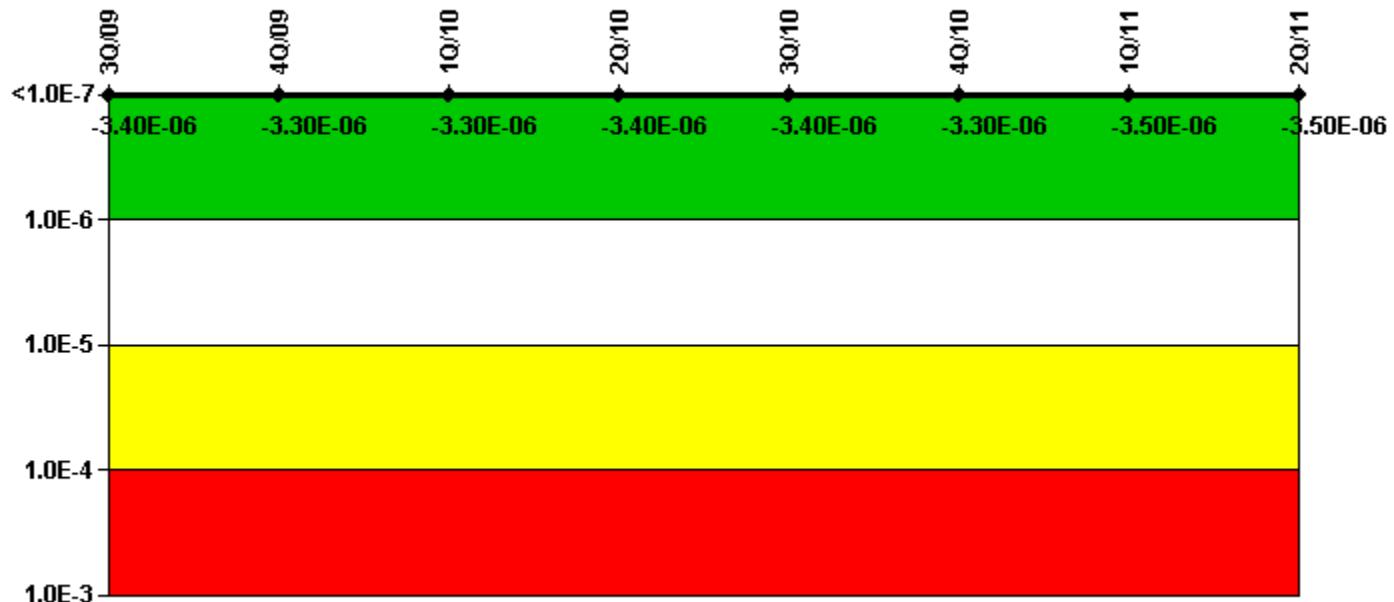
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.30E-07	2.97E-07	2.92E-07	2.21E-07	1.52E-07	1.55E-07	1.69E-07	1.44E-07
URI (Δ CDF)	-3.66E-07							
PLE	NO							
Indicator value	-3.60E-08	-6.90E-08	-7.40E-08	-1.50E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

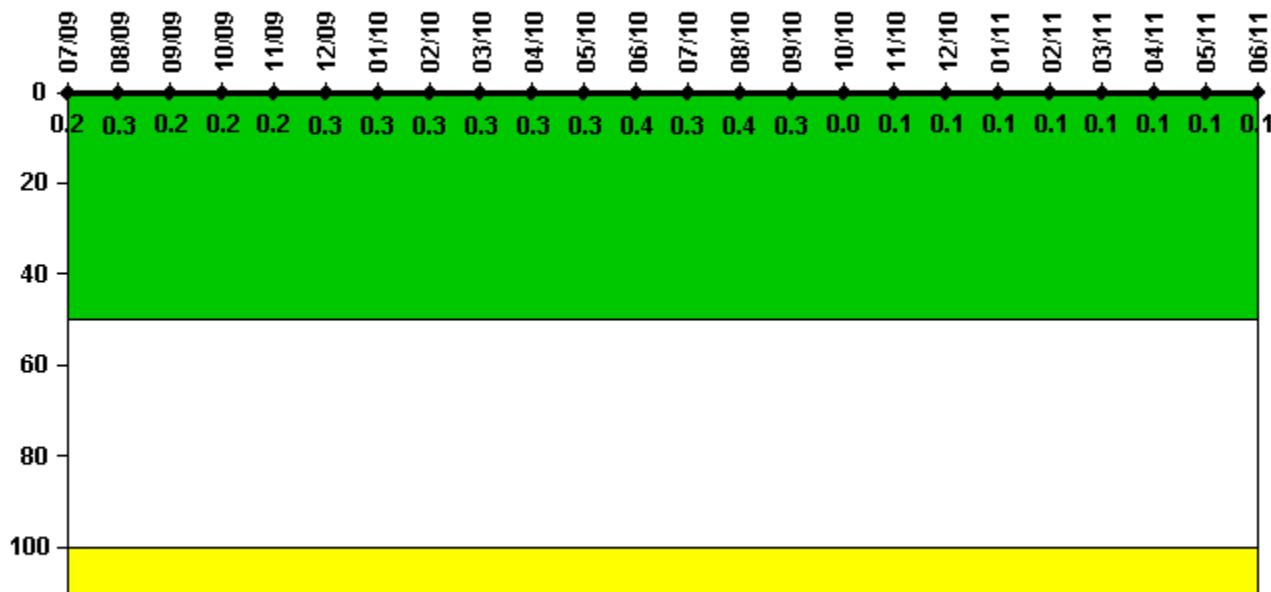
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.14E-06	-3.13E-06	-3.12E-06	-3.15E-06	-3.15E-06	-3.13E-06	-3.26E-06	-3.26E-06
URI (Δ CDF)	-2.18E-07							
PLE	NO							
Indicator value	-3.40E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.50E-06	-3.50E-06

Licensee Comments:

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



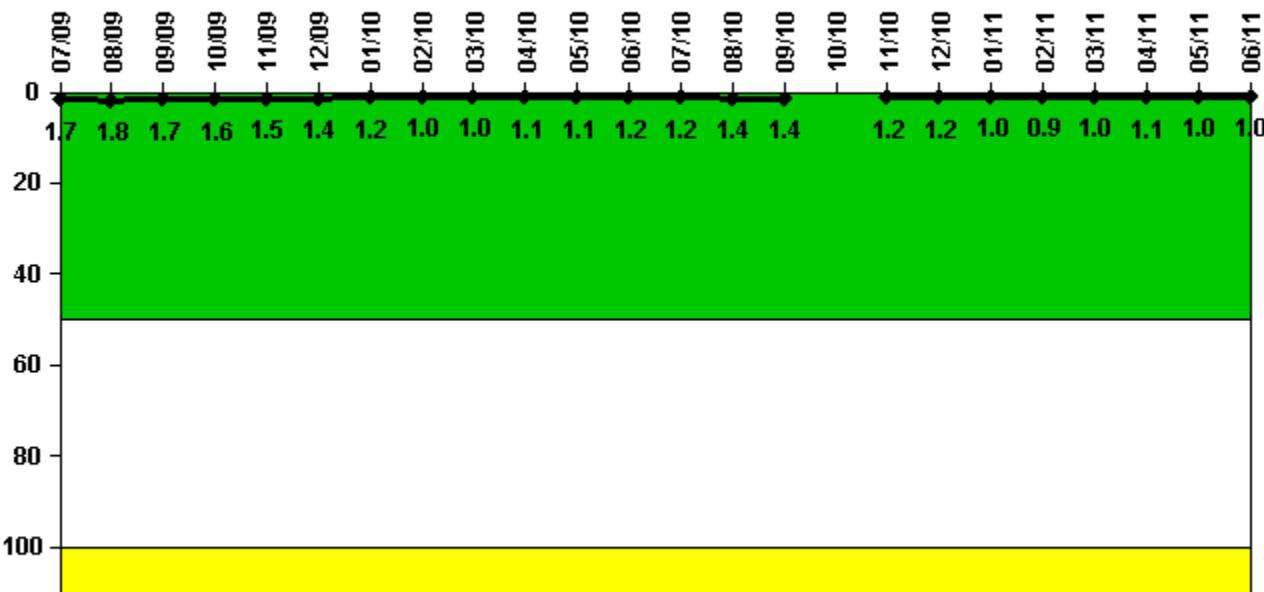
Thresholds: White > 50.0 Yellow > 100.0

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	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093	0.000958	0.001019	0.001407
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453	0.000384	0.000512	0.000384	0.000382	0.000392	0.000474
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.4	0.3	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



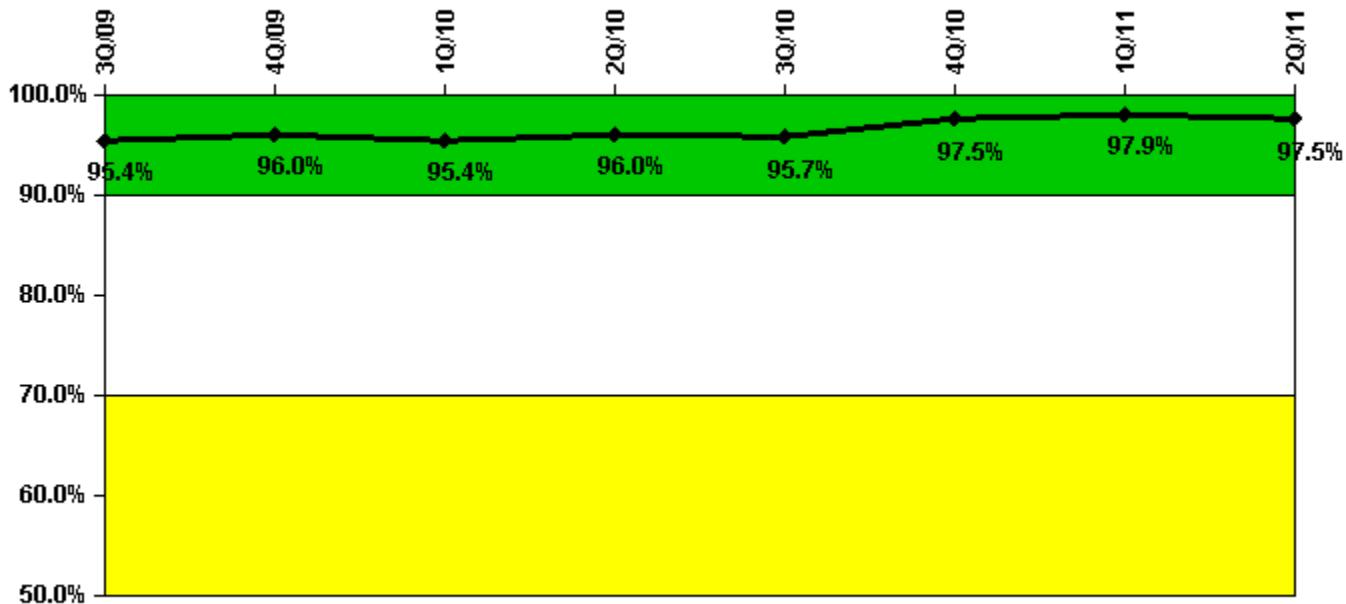
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.170	0.180	0.170	0.160	0.150	0.140	0.120	0.100	0.100	0.110	0.110	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	1.8	1.7	1.6	1.5	1.4	1.2	1.0	1.0	1.1	1.1	1.2
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	0.120	0.140	0.140	N/A	0.120	0.120	0.100	0.090	0.100	0.110	0.100	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	1.2	1.4	1.4	N/A	1.2	1.2	1.0	0.9	1.0	1.1	1.0	1.0

Licensee Comments: none

Drill/Exercise Performance



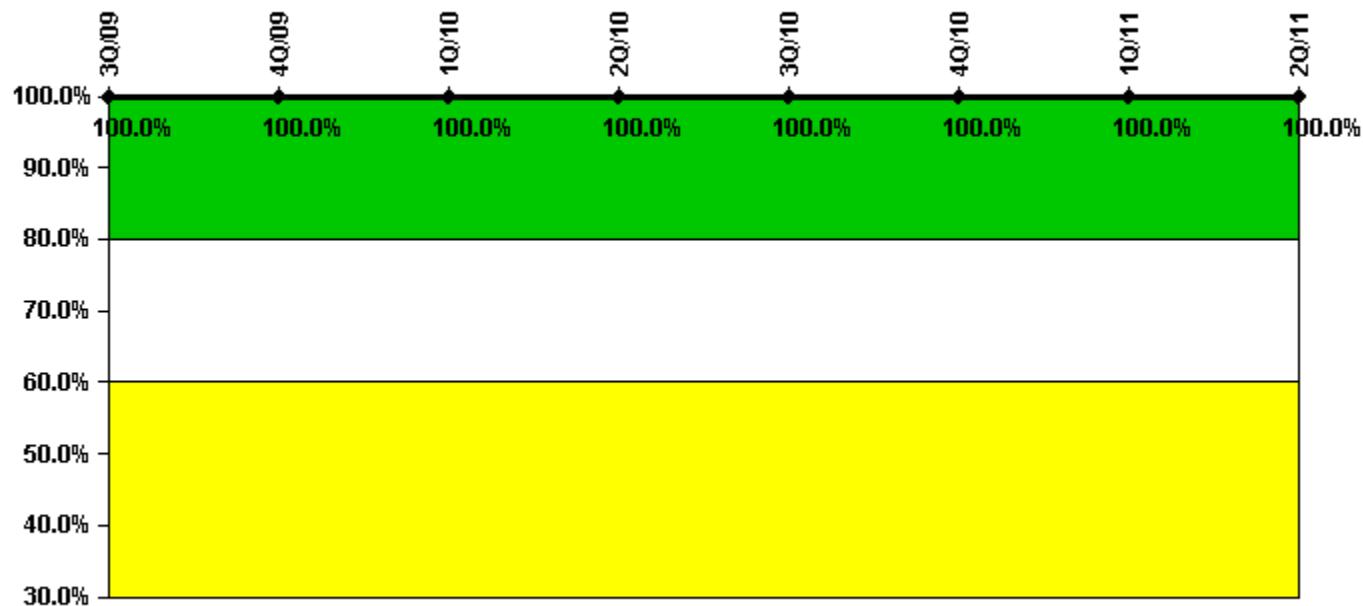
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	41.0	16.0	20.0	22.0	26.0	45.0	18.0	4.0
Total opportunities	42.0	16.0	22.0	22.0	27.0	46.0	18.0	4.0
Indicator value	95.4%	96.0%	95.4%	96.0%	95.7%	97.5%	97.9%	97.5%

Licensee Comments: none

ERO Drill Participation



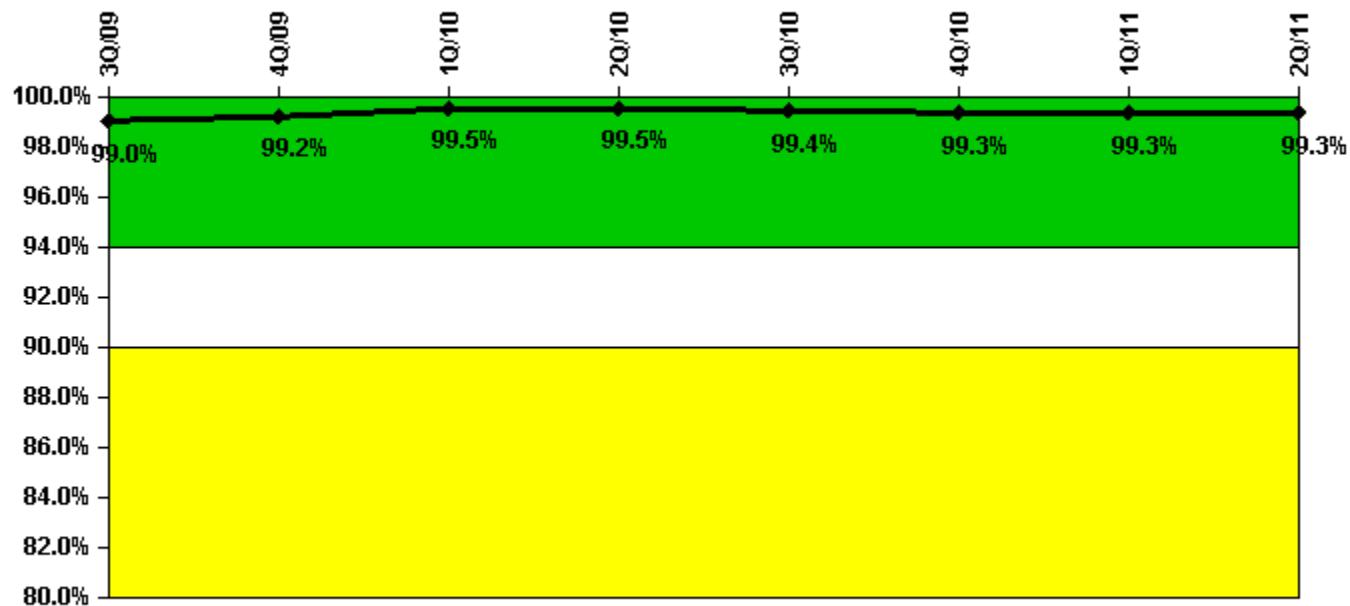
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	76.0	79.0	77.0	76.0	78.0	70.0	78.0	75.0
Total Key personnel	76.0	79.0	77.0	76.0	78.0	70.0	78.0	75.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



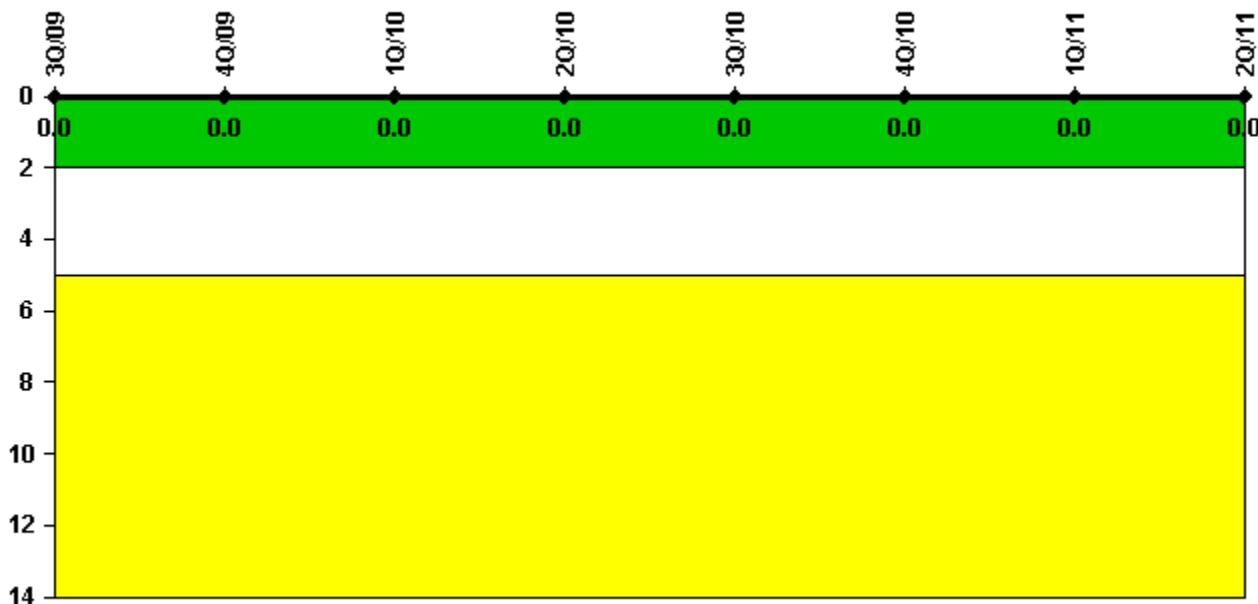
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	858	969	751	967	747	967	752	967
Total sirens-tests	864	972	756	972	756	972	756	972
Indicator value	99.0%	99.2%	99.5%	99.5%	99.4%	99.3%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



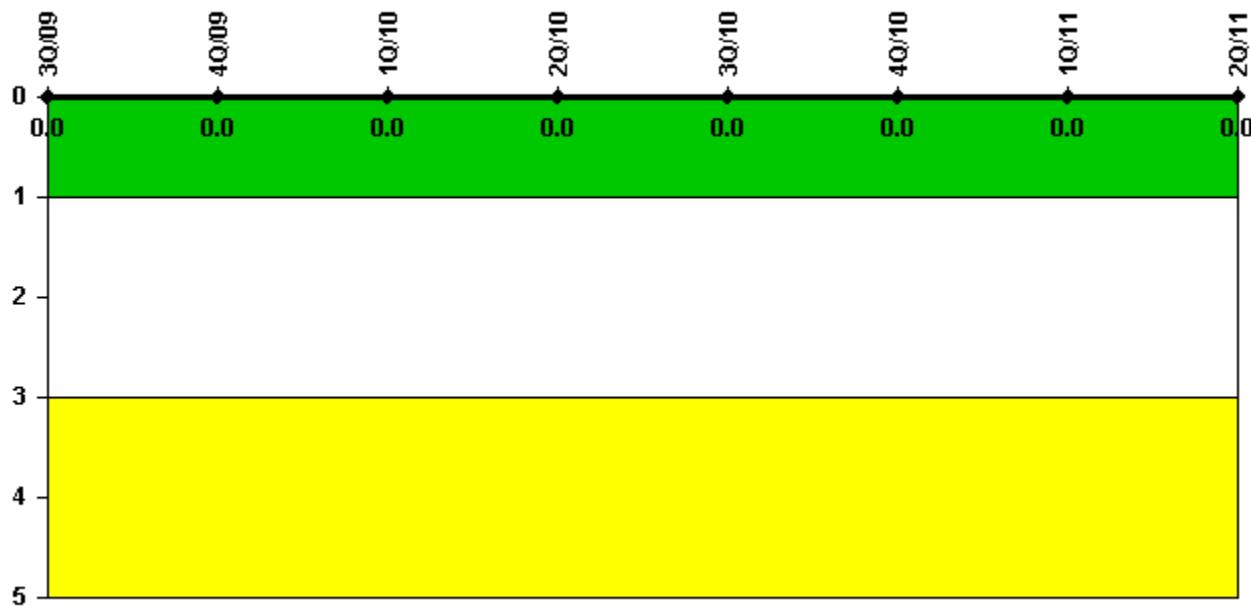
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

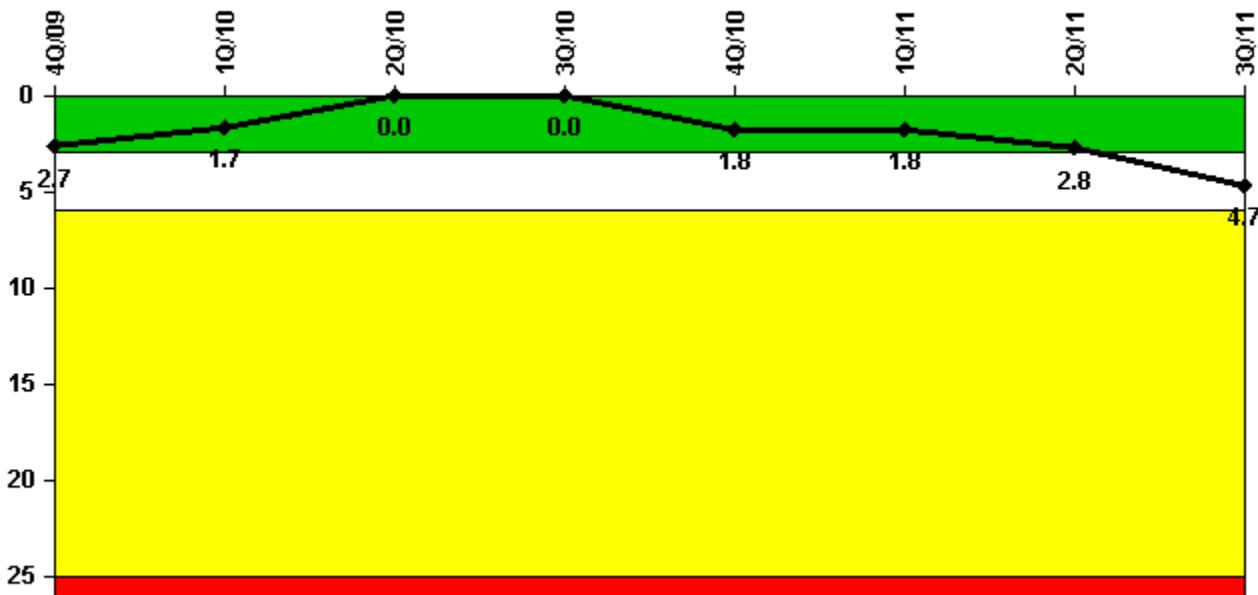
Security information not publicly available.

Sequoyah 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



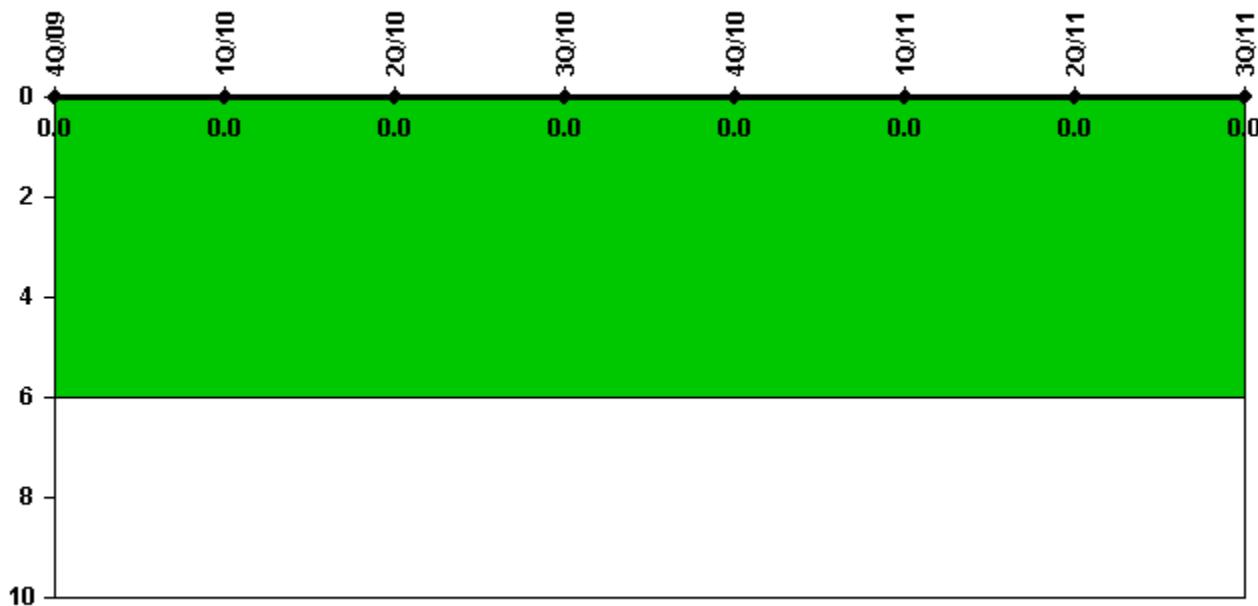
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	2.0	0	1.0	2.0
Critical hours	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4
Indicator value	2.7	1.7	0	0	1.8	1.8	2.8	4.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



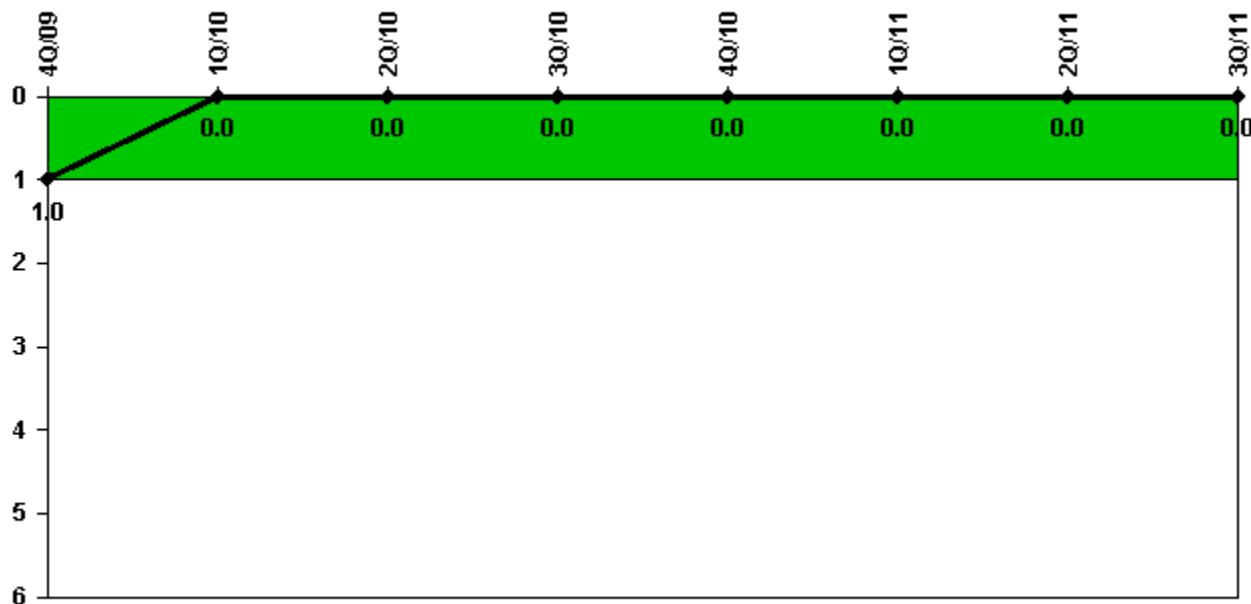
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



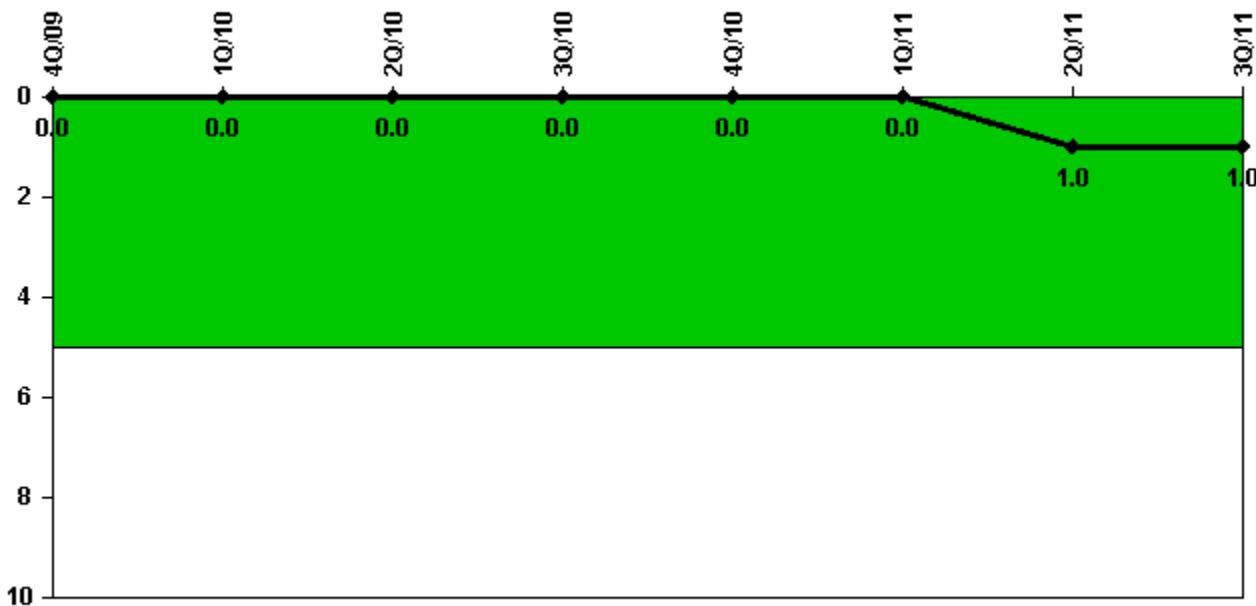
Thresholds: White > 1.0

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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

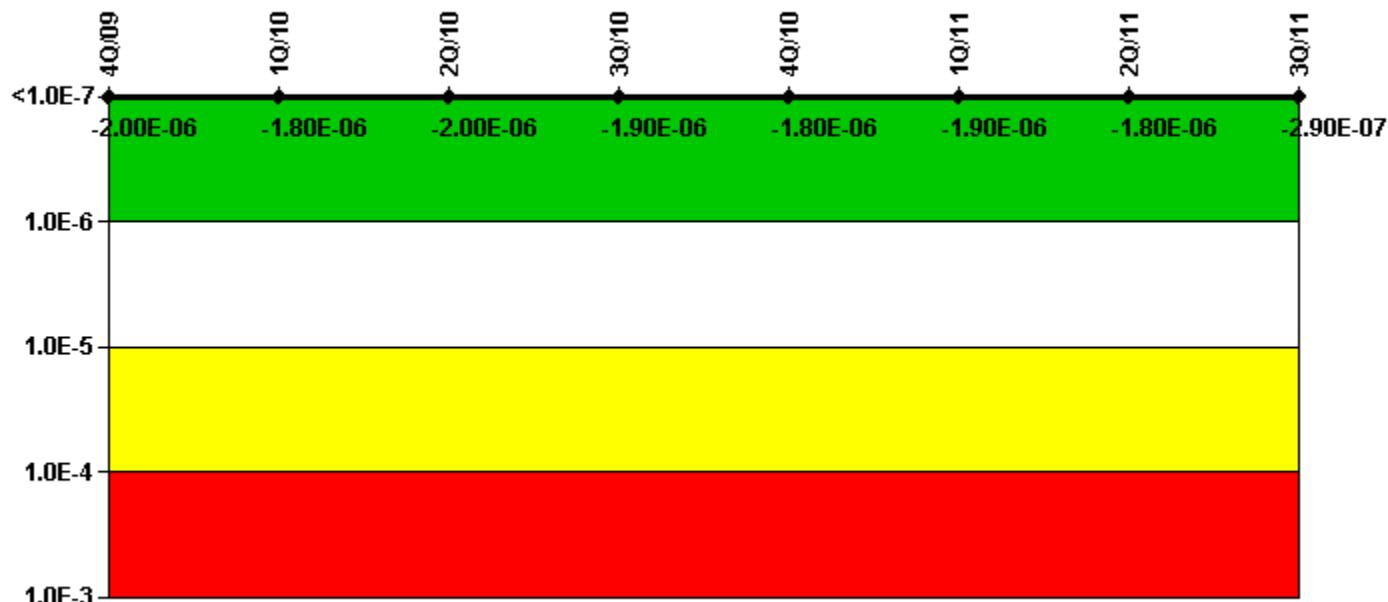
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

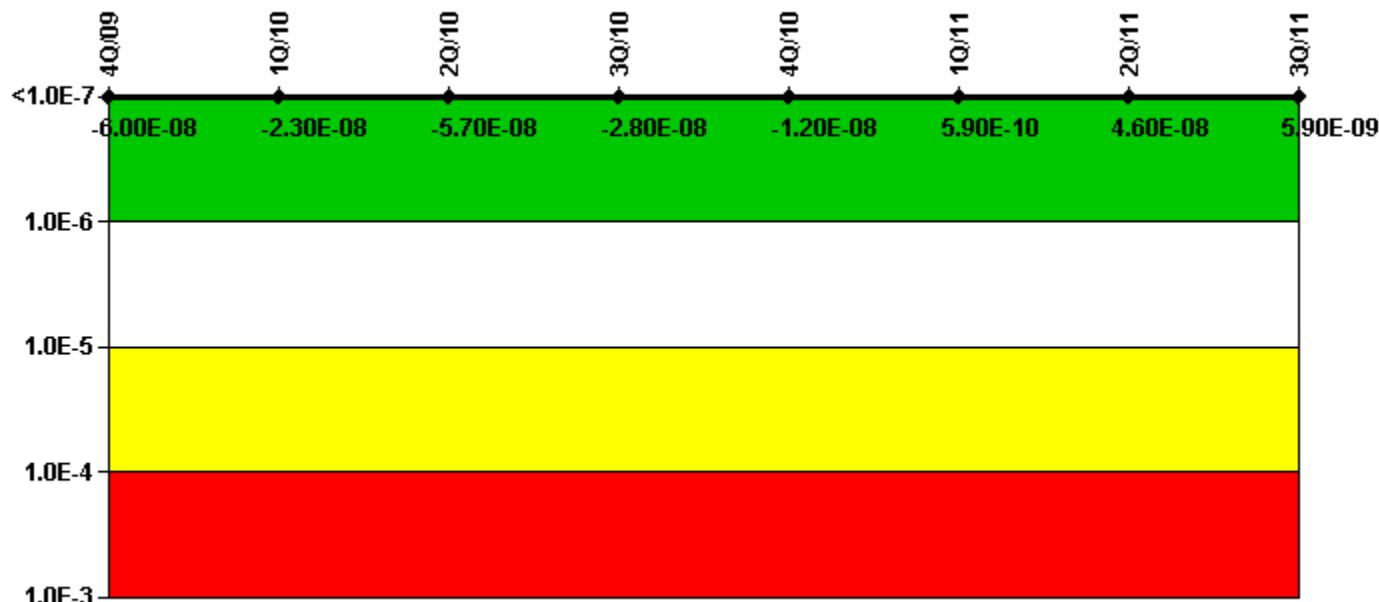
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-7.03E-09	2.21E-07	-8.27E-08	-2.14E-08	-1.45E-08	1.02E-08	5.39E-08	-1.17E-08
URI (Δ CDF)	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-2.74E-07
PLE	NO							
Indicator value	-2.00E-06	-1.80E-06	-2.00E-06	-1.90E-06	-1.80E-06	-1.90E-06	-1.80E-06	-2.90E-07

Licensee Comments:

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

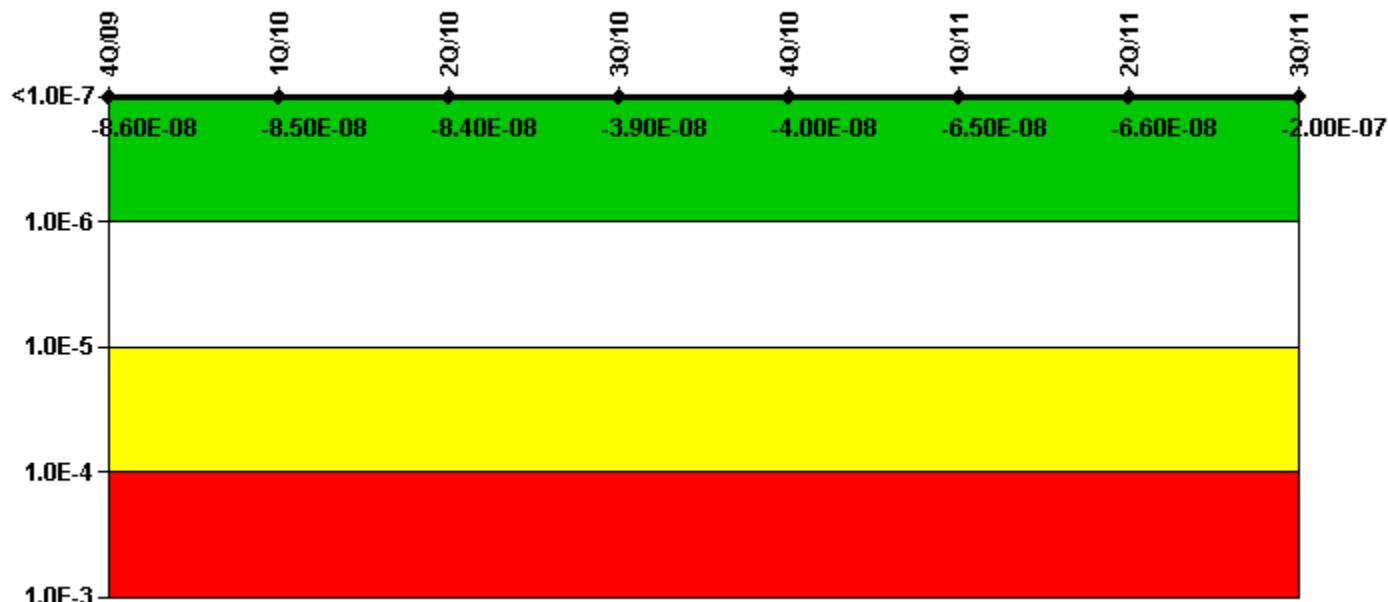
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.11E-07	1.47E-07	1.14E-07	1.43E-07	1.59E-07	1.71E-07	2.17E-07	6.73E-09
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-8.56E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-2.30E-08	-5.70E-08	-2.80E-08	-1.20E-08	5.90E-10	4.60E-08	5.90E-09

Licensee Comments:

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

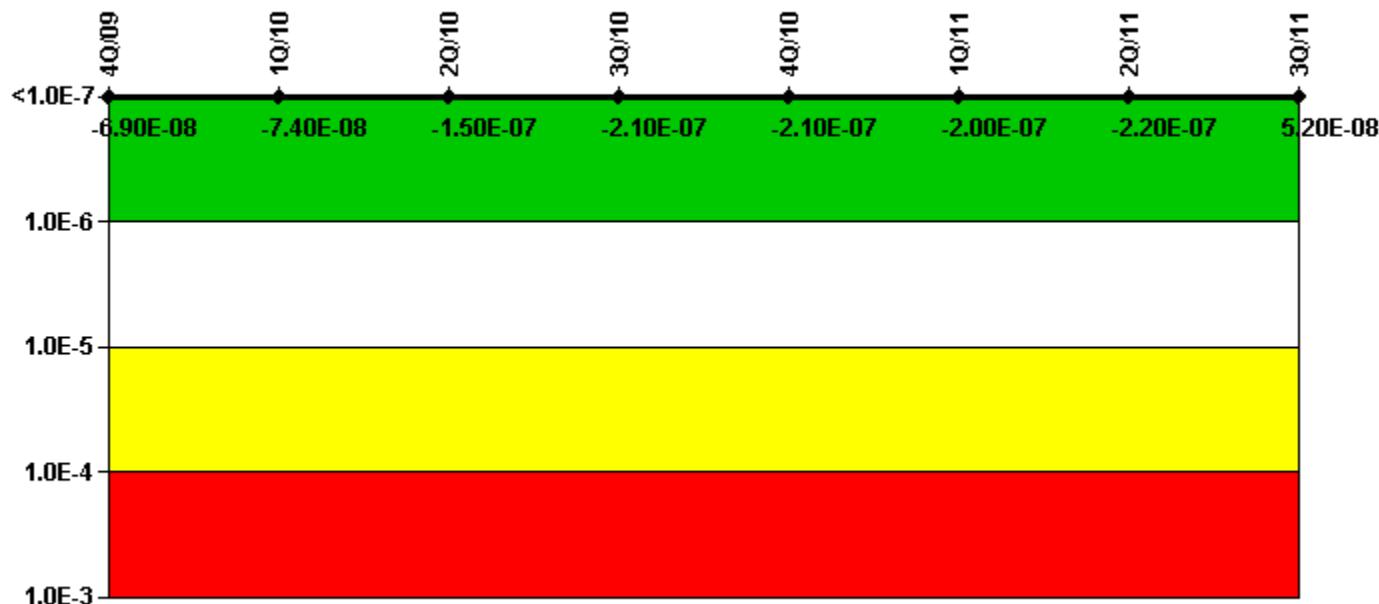
Notes

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)	-1.98E-08	-1.85E-08	-1.73E-08	2.75E-08	2.86E-08	2.66E-08	2.71E-08	8.35E-08
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.86E-08	-9.15E-08	-9.31E-08	-2.86E-07
PLE	NO							
Indicator value	-8.60E-08	-8.50E-08	-8.40E-08	-3.90E-08	-4.00E-08	-6.50E-08	-6.60E-08	-2.00E-07

Licensee Comments:

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

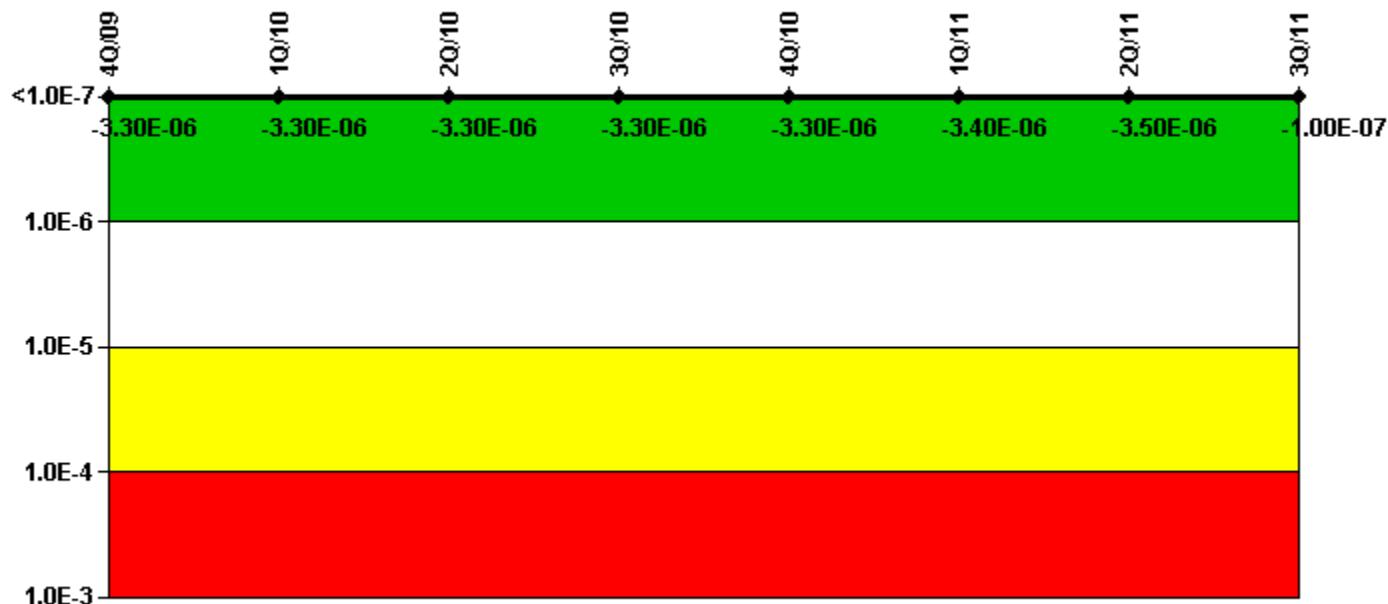
Notes

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)	2.97E-07	2.92E-07	2.21E-07	1.52E-07	1.55E-07	1.69E-07	1.44E-07	2.27E-07
URI (Δ CDF)	-3.66E-07	-1.75E-07						
PLE	NO	NO						
Indicator value	-6.90E-08	-7.40E-08	-1.50E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.20E-07	5.20E-08

Licensee Comments:

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-3.13E-06	-3.12E-06	-3.15E-06	-3.15E-06	-3.13E-06	-3.26E-06	-3.26E-06	-3.82E-08
URI (Δ CDF)	-1.90E-07	-6.65E-08						
PLE	NO							
Indicator value	-3.30E-06	-3.30E-06	-3.30E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.50E-06	-1.00E-07

Licensee Comments:

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as

needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/09: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/09: Changed PRA Parameter(s).

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s). Routine planned unavailability baseline update.

4Q/08: Changed PRA Parameter(s).

3Q/08: Changed PRA Parameter(s). Adjusted planned unavailability baselines for non-routine planned maintenance on ERCW pumps.

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

1Q/08: Changed PRA Parameter(s). Adjusted the planned unavailability baselines for non-routine maintenance that occurred this quarter and removed that which occurred more than 12 quarters ago.

4Q/07: Changed PRA Parameter(s). 1) Rebuild of ERCW Pump Q-A started 12/09/07 to complete the end of January. Planned unavailability baseline for 4th quarter adjusted accordingly. 2) C-B Traveling Screen rebuild started in Sept & extended into Oct. Planned unavailability baseline for ERCW N-B & P-B pumps adjusted accordingly. 3) All ERCW pump planned unavailability baselineS may have been adjusted due to applicable maintenance that occurred over 3 years ago and had adjusted the baseline(s).

3Q/07: Changed PRA Parameter(s).

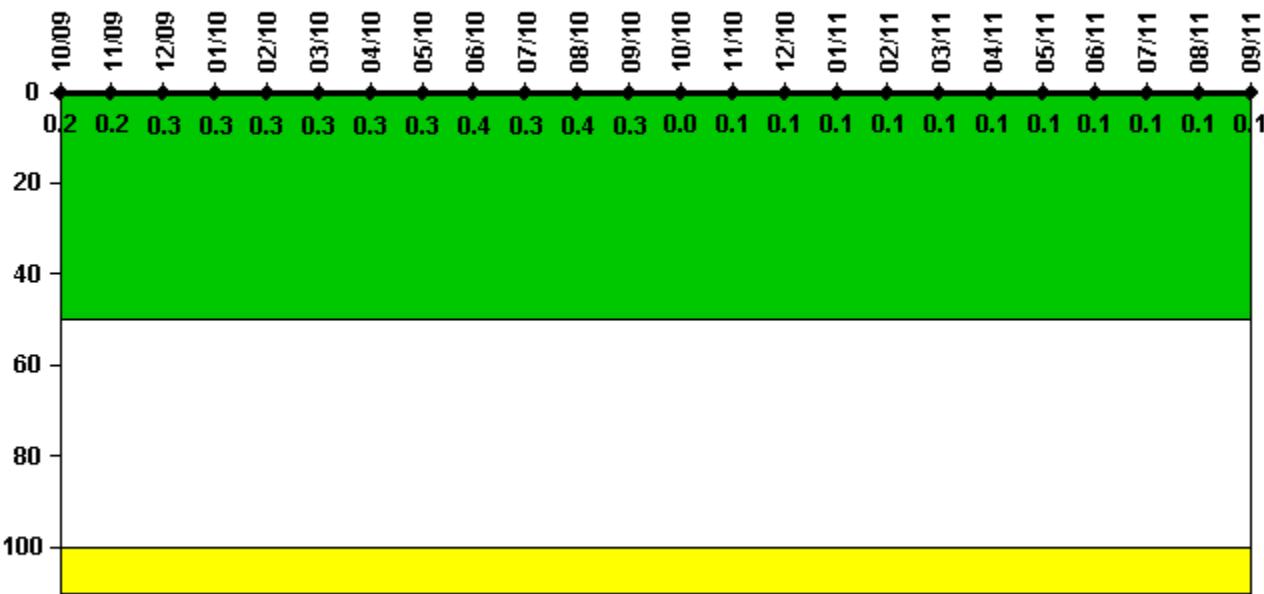
2Q/07: Changed PRA Parameter(s).

1Q/07: Changed PRA Parameter(s). Updated the Planned Unavailability baselines for non-routine planned Maint.

4Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

3Q/06: Changed PRA Parameter(s). Corrected Planned Unavailability Baseline.

Reactor Coolant System Activity

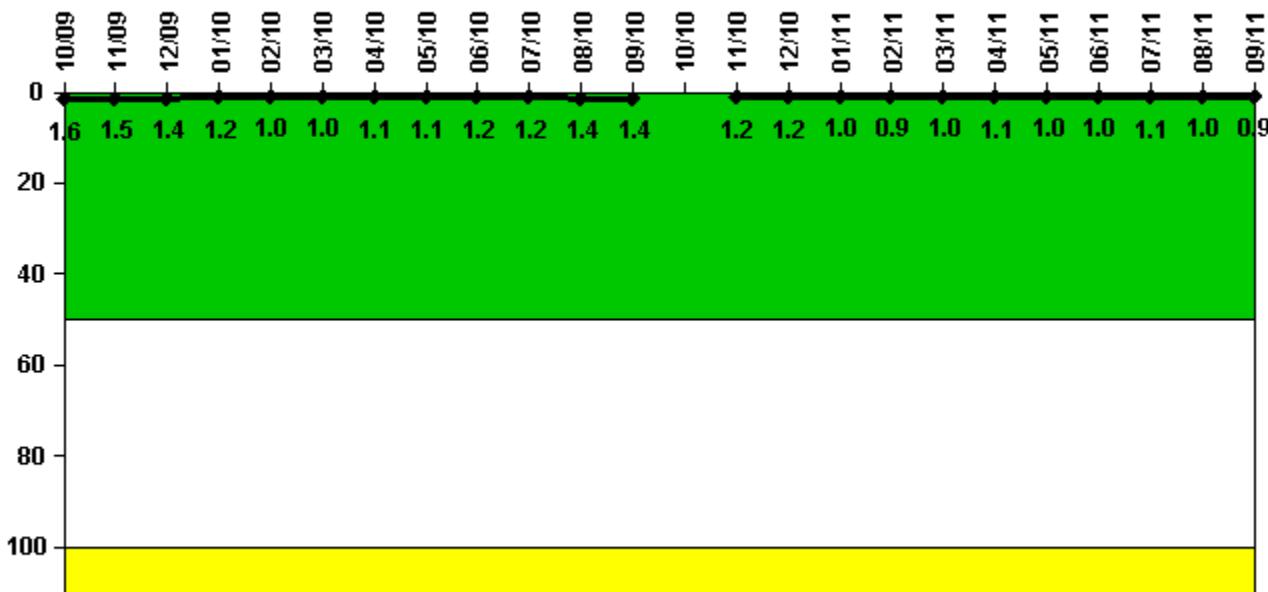


Thresholds: White > 50.0 Yellow > 100.0

Notes

Licensee Comments: none

Reactor Coolant System Leakage



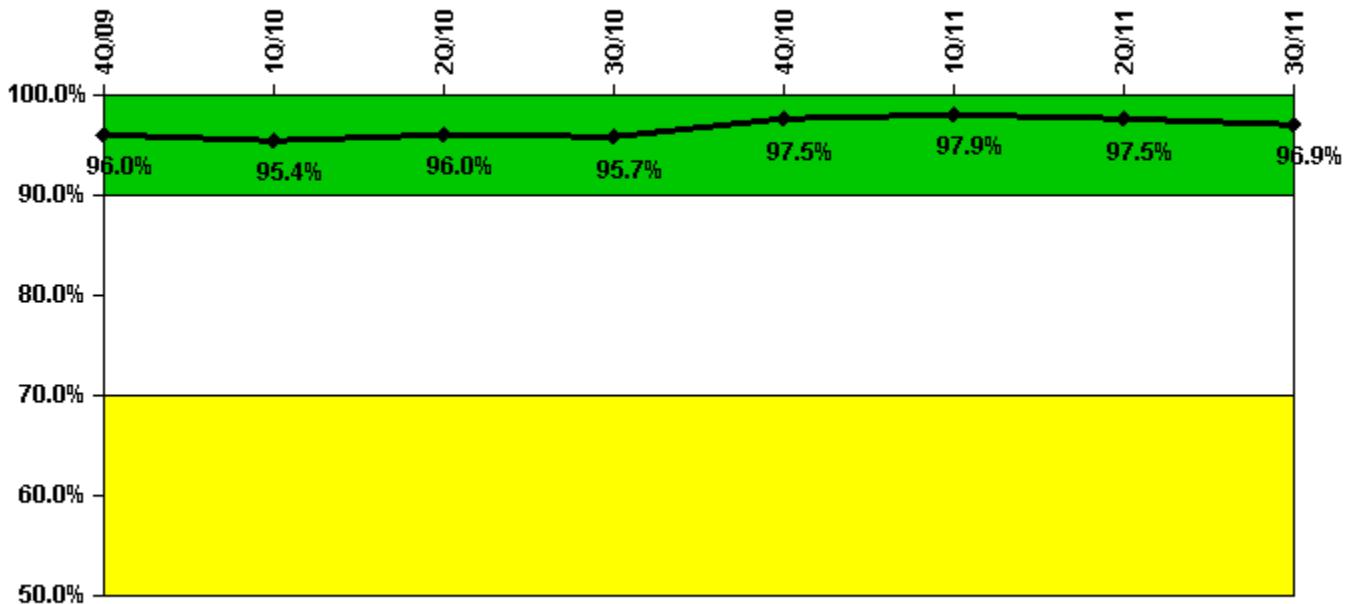
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.160	0.150	0.140	0.120	0.100	0.100	0.110	0.110	0.120	0.120	0.140	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.6	1.5	1.4	1.2	1.0	1.0	1.1	1.1	1.2	1.2	1.4	1.4
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	N/A	0.120	0.120	0.100	0.090	0.100	0.110	0.100	0.100	0.110	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	1.2	1.2	1.0	0.9	1.0	1.1	1.0	1.0	1.1	1.0	0.9

Licensee Comments: none

Drill/Exercise Performance



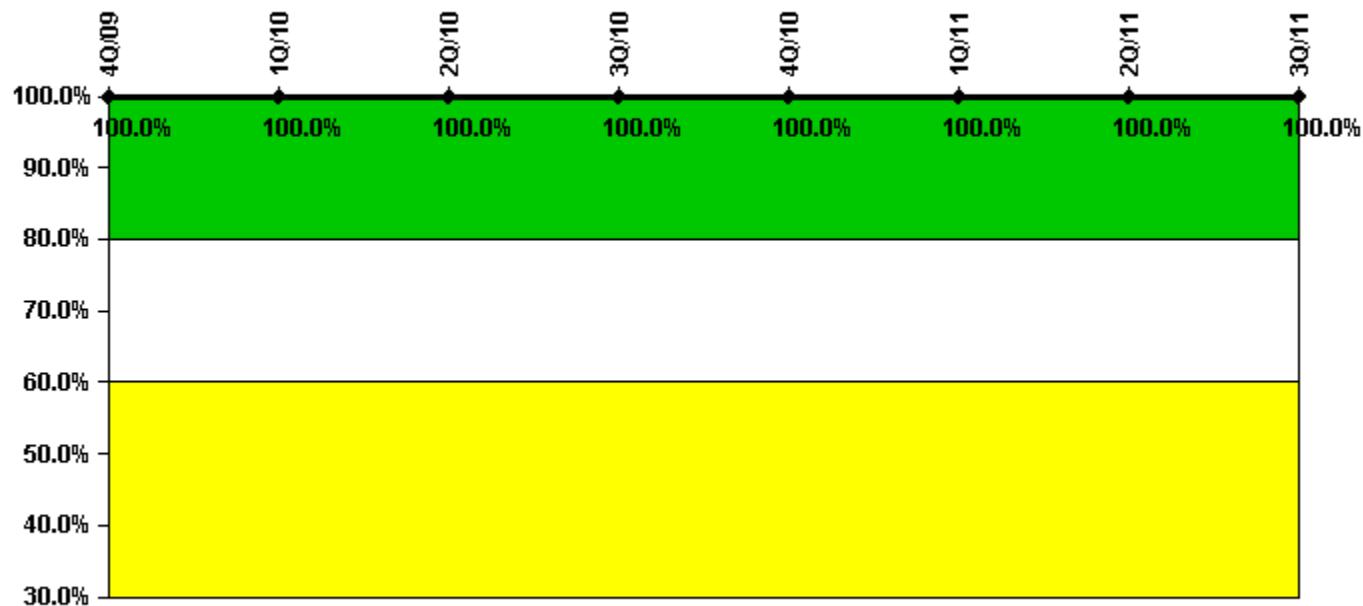
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	16.0	20.0	22.0	26.0	45.0	18.0	4.0	34.0
Total opportunities	16.0	22.0	22.0	27.0	46.0	18.0	4.0	36.0
Indicator value	96.0%	95.4%	96.0%	95.7%	97.5%	97.9%	97.5%	96.9%

Licensee Comments: none

ERO Drill Participation



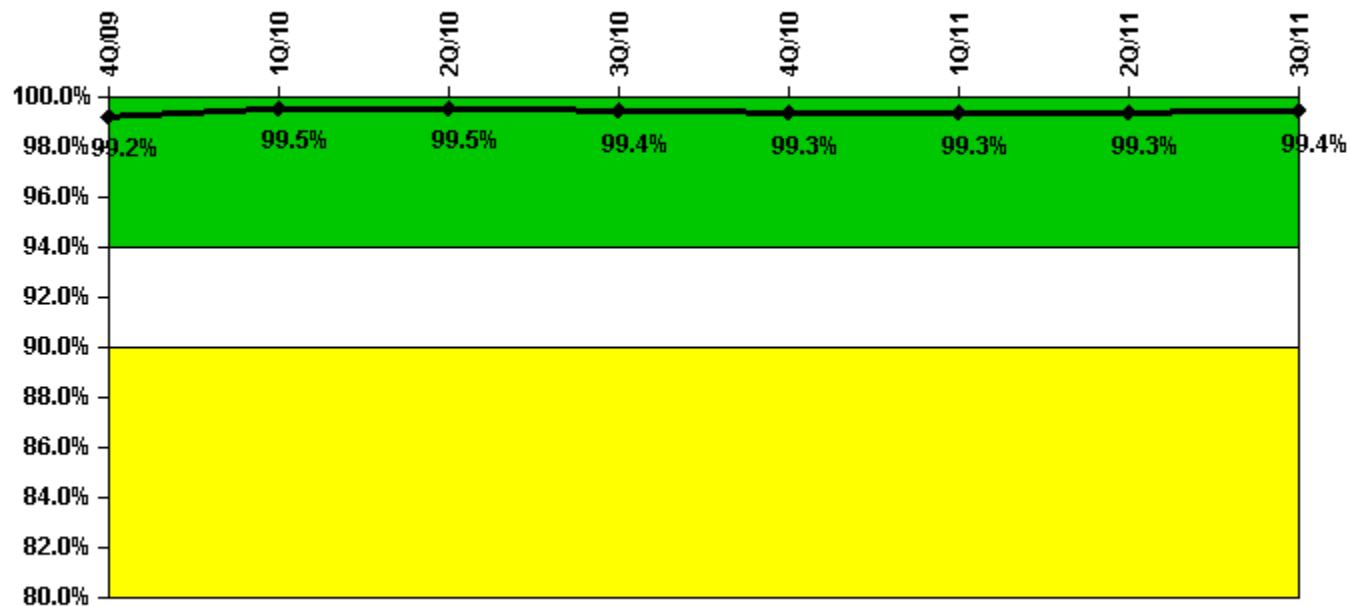
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	79.0	77.0	76.0	78.0	70.0	78.0	75.0	74.0
Total Key personnel	79.0	77.0	76.0	78.0	70.0	78.0	75.0	74.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



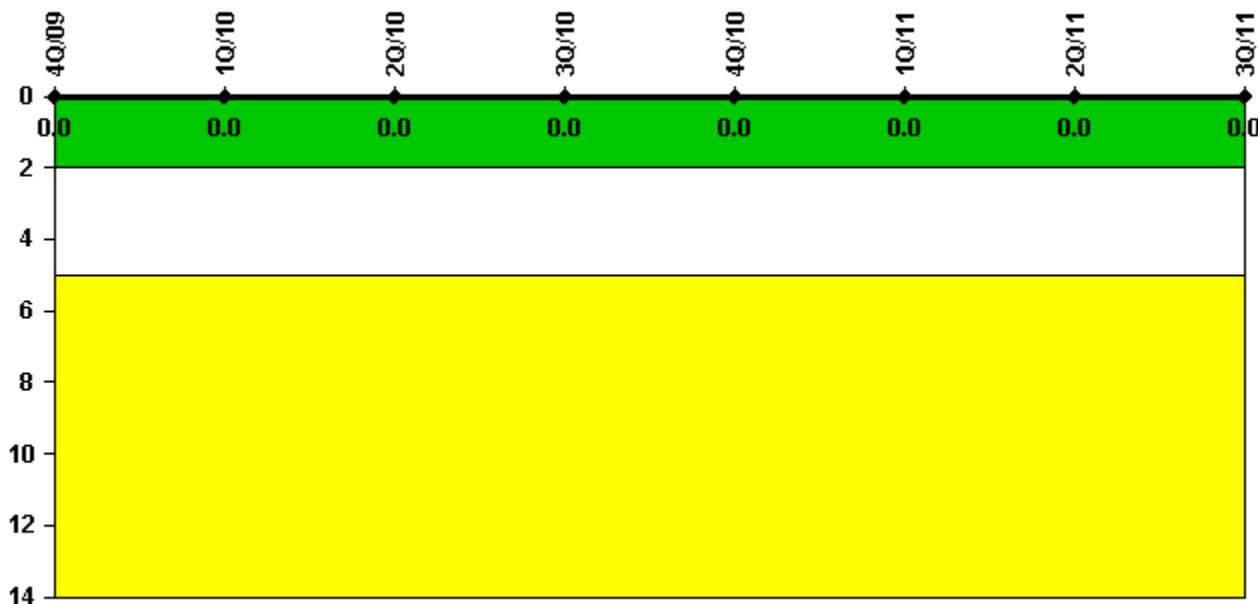
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	969	751	967	747	967	752	967	857
Total sirens-tests	972	756	972	756	972	756	972	864
Indicator value	99.2%	99.5%	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



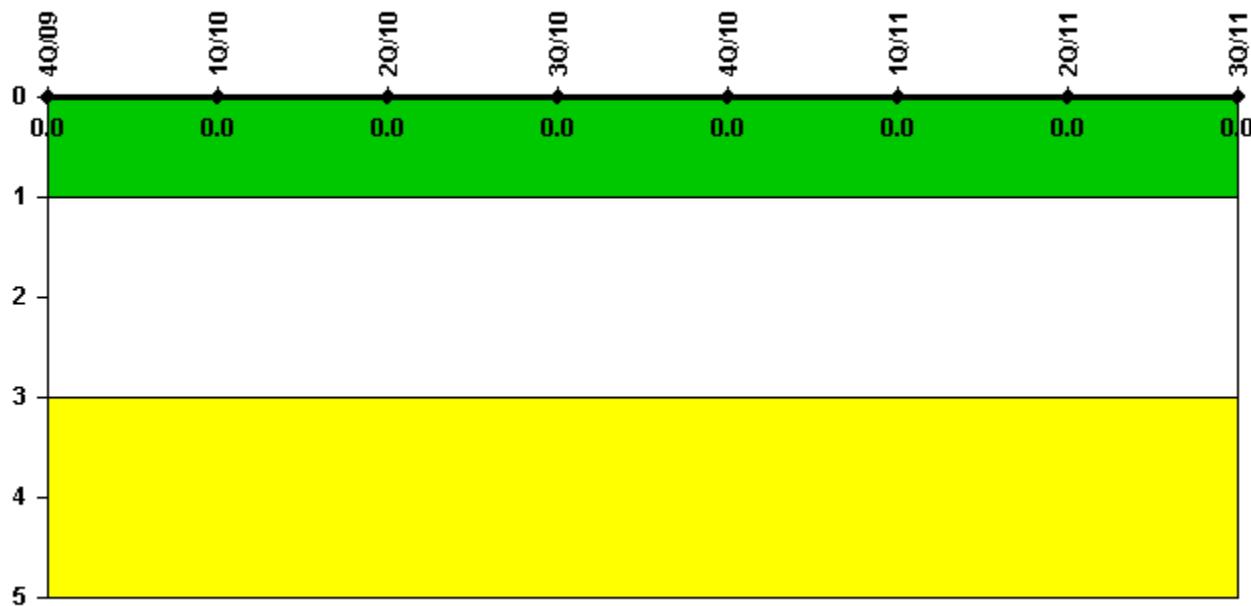
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

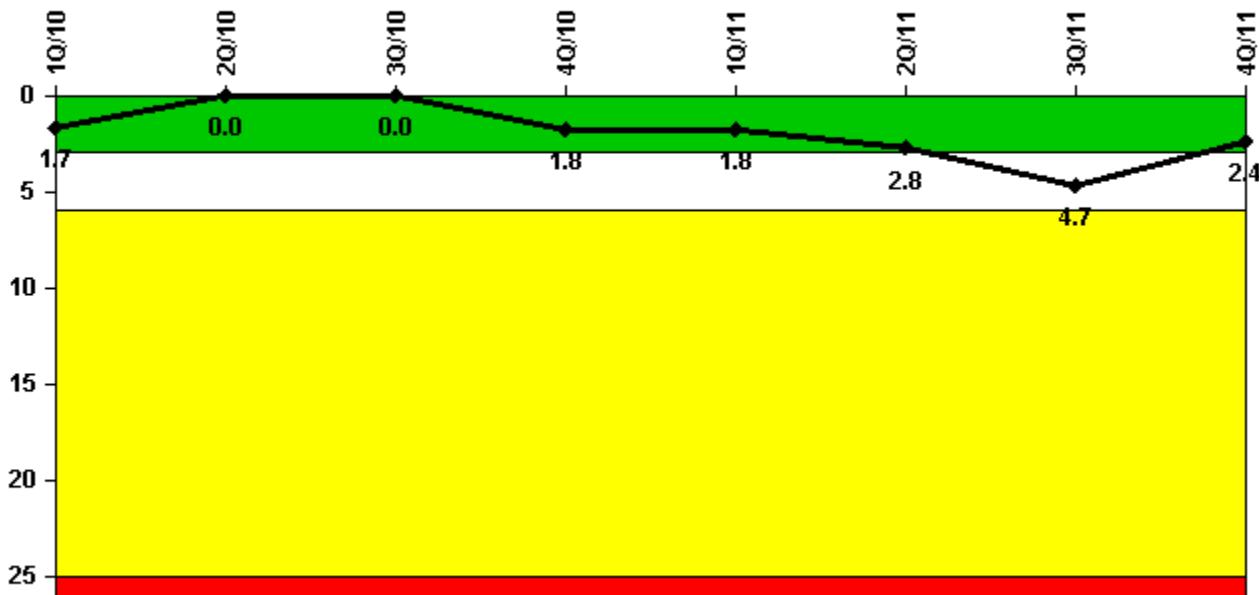
[Security](#) information not publicly available.

Sequoyah 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



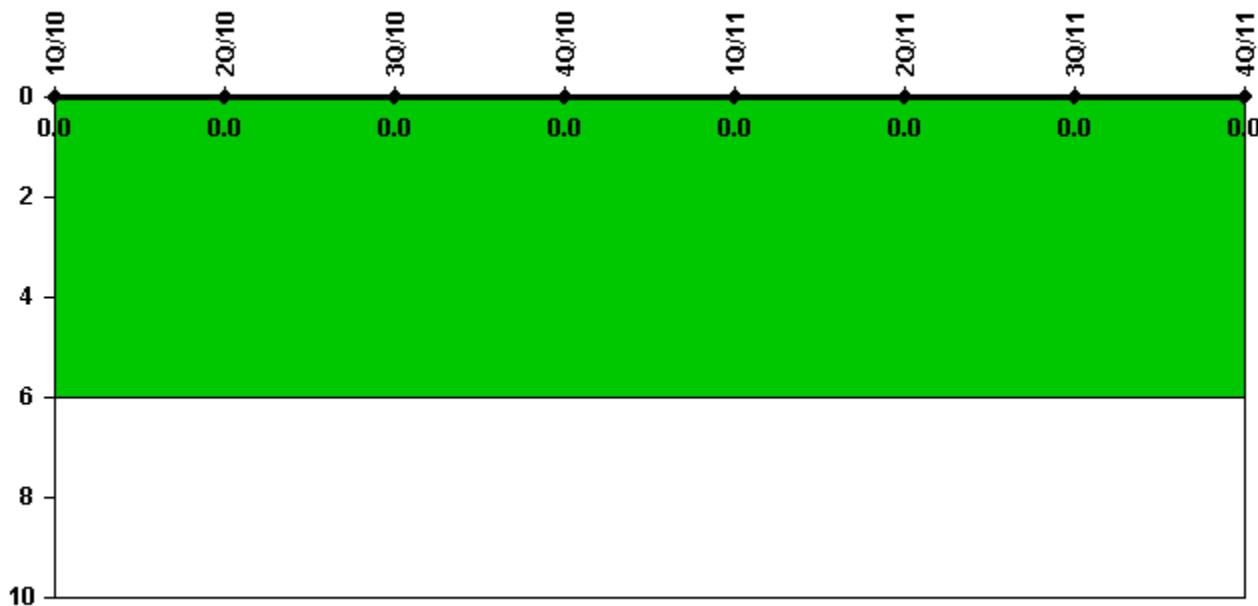
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	2.0	0	1.0	2.0	0
Critical hours	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0
Indicator value	1.7	0	0	1.8	1.8	2.8	4.7	2.4

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



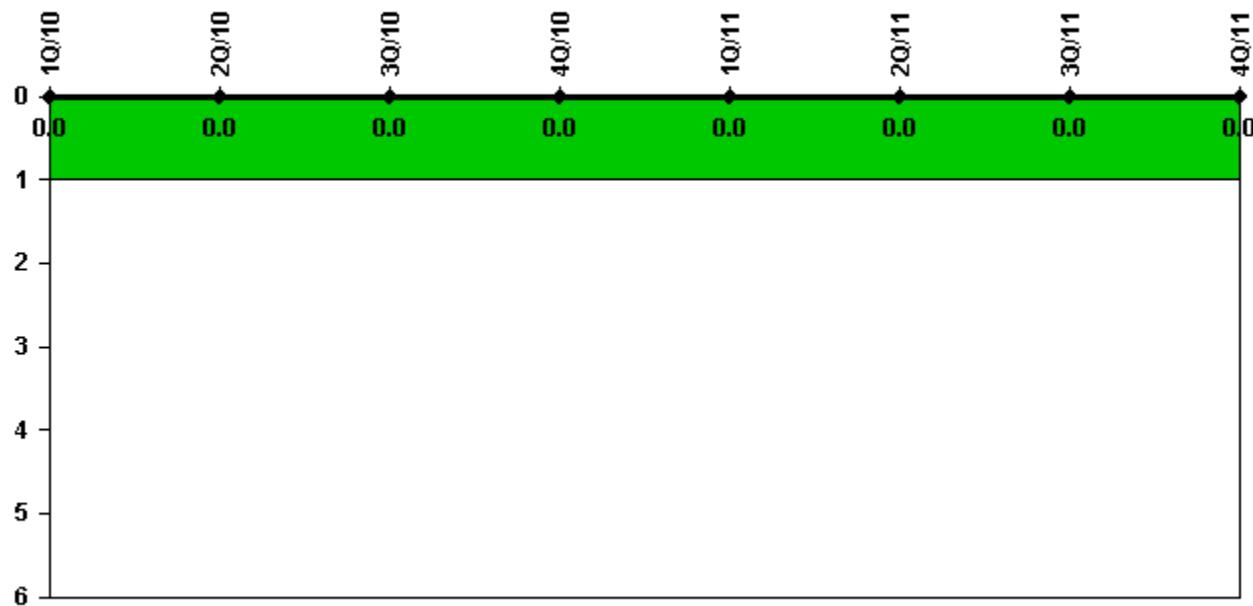
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



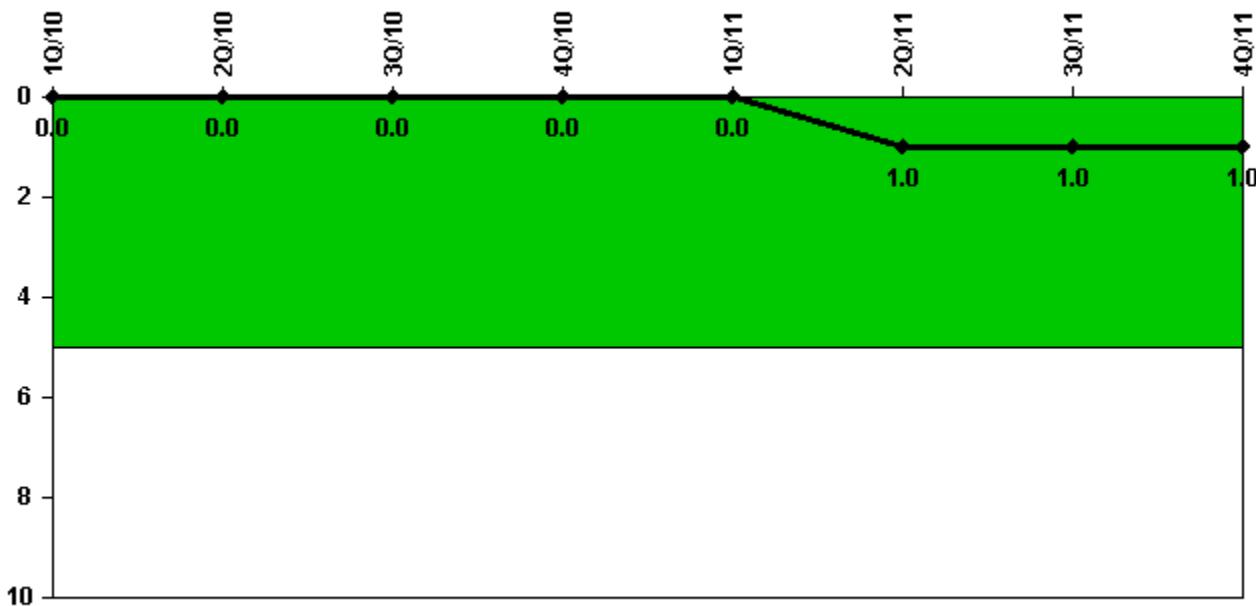
Thresholds: White > 1.0

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)



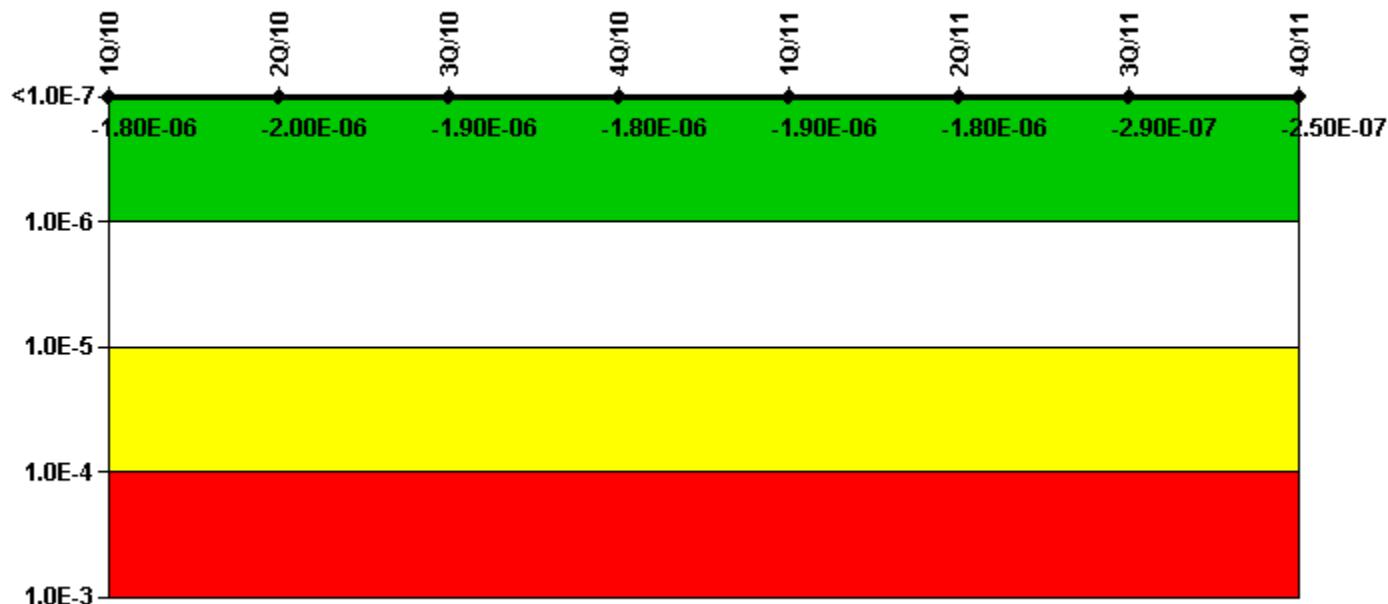
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



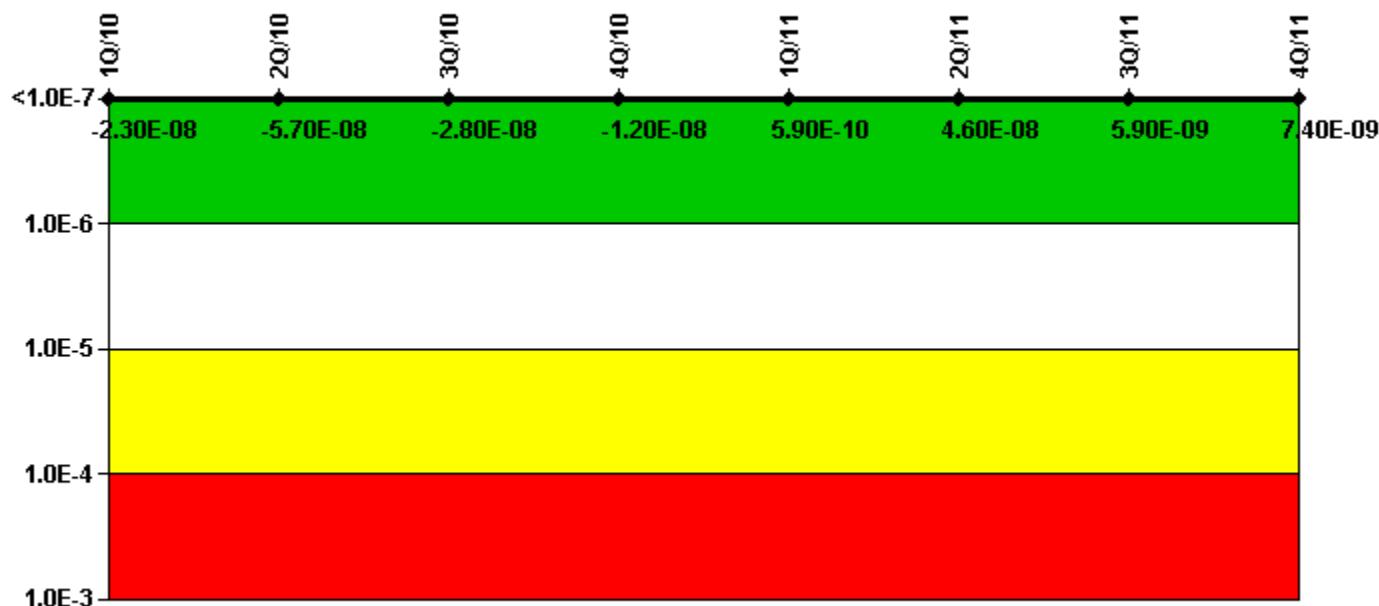
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	2.21E-07	-8.27E-08	-2.14E-08	-1.45E-08	1.02E-08	5.39E-08	-1.17E-08	3.32E-08
URI (Δ CDF)	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-2.74E-07	-2.81E-07
PLE	NO							
Indicator value	-1.80E-06	-2.00E-06	-1.90E-06	-1.80E-06	-1.90E-06	-1.80E-06	-2.90E-07	-2.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



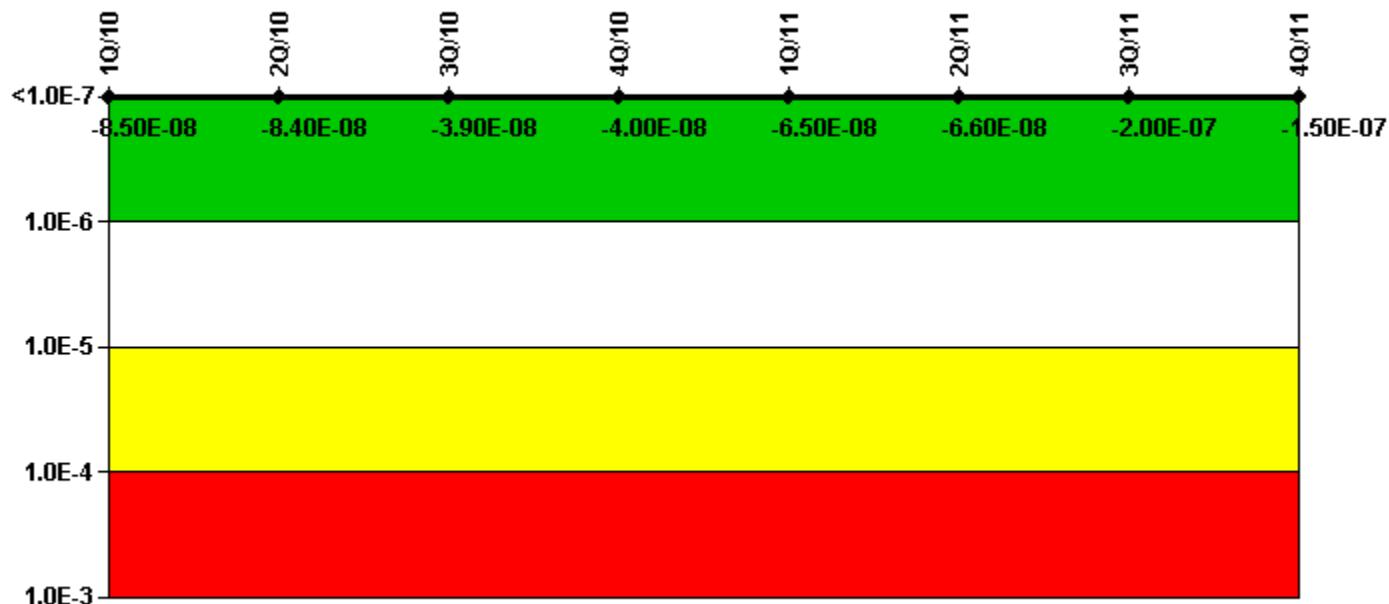
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	1.47E-07	1.14E-07	1.43E-07	1.59E-07	1.71E-07	2.17E-07	6.73E-09	8.30E-09
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-8.56E-10	-8.57E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-08	-5.70E-08	-2.80E-08	-1.20E-08	5.90E-10	4.60E-08	5.90E-09	7.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



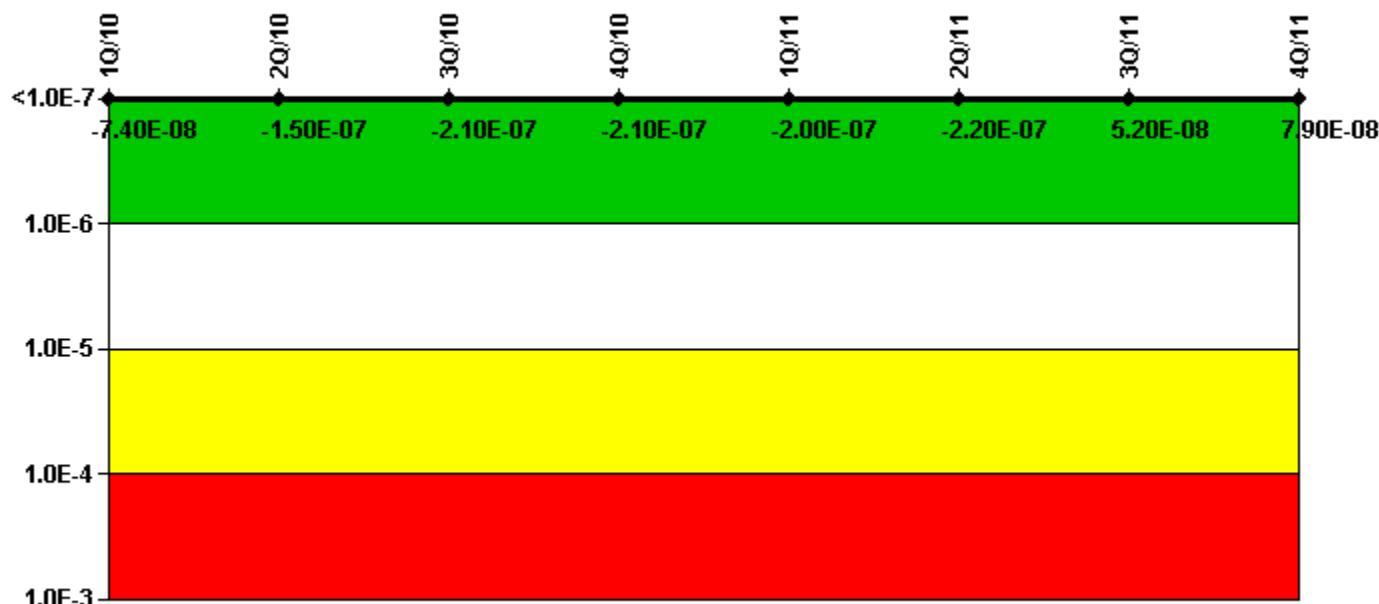
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-1.85E-08	-1.73E-08	2.75E-08	2.86E-08	2.66E-08	2.71E-08	8.35E-08	1.40E-07
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.66E-08	-6.86E-08	-9.15E-08	-9.31E-08	-2.86E-07	-2.86E-07
PLE	NO							
Indicator value	-8.50E-08	-8.40E-08	-3.90E-08	-4.00E-08	-6.50E-08	-6.60E-08	-2.00E-07	-1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



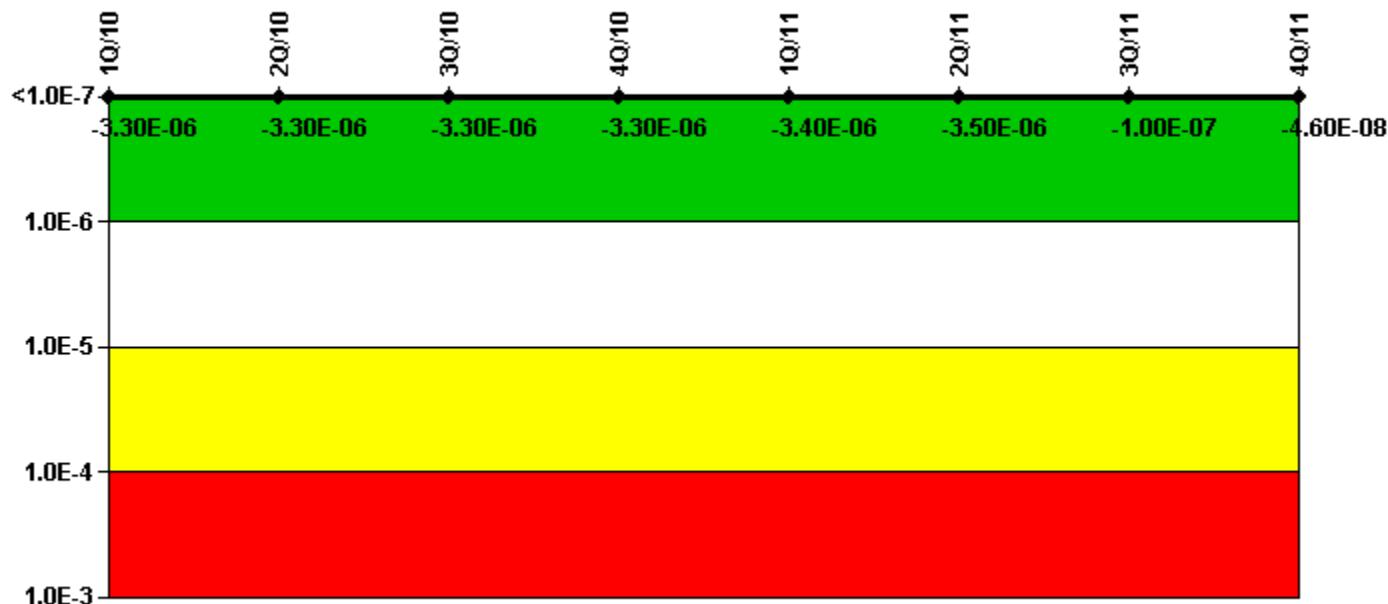
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	2.92E-07	2.21E-07	1.52E-07	1.55E-07	1.69E-07	1.44E-07	2.27E-07	2.54E-07
URI (Δ CDF)	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-1.75E-07	-1.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.40E-08	-1.50E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.20E-07	5.20E-08	7.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

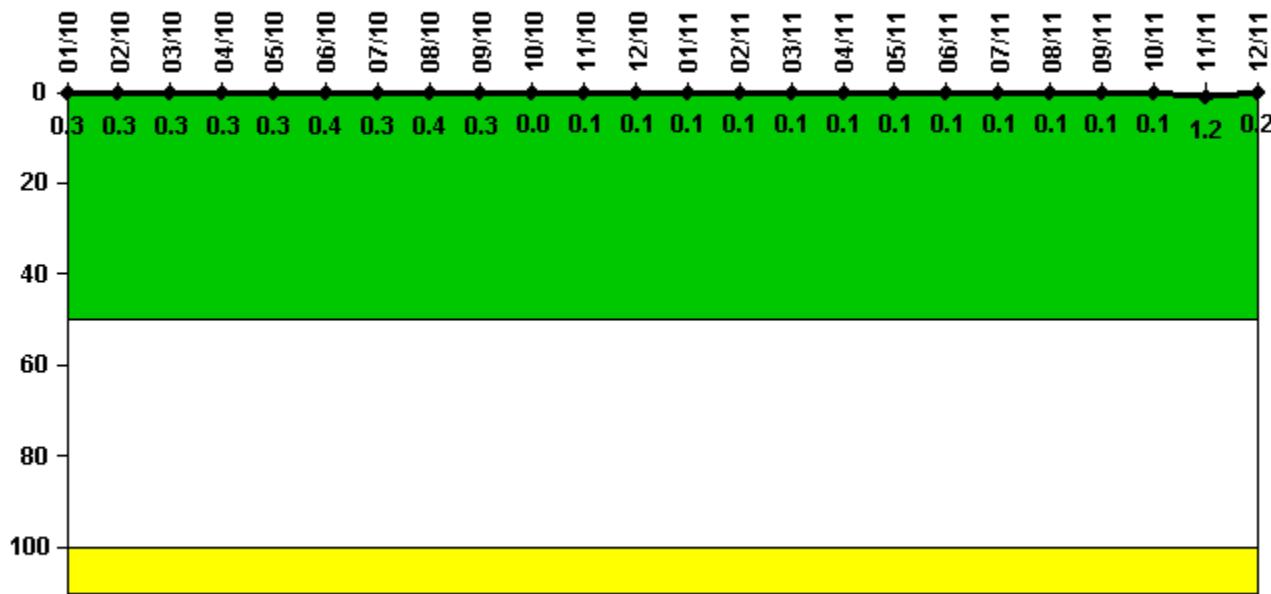
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-3.12E-06	-3.15E-06	-3.15E-06	-3.13E-06	-3.26E-06	-3.26E-06	-3.82E-08	2.09E-08
URI (Δ CDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-6.65E-08	-6.65E-08
PLE	NO							
Indicator value	-3.30E-06	-3.30E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.50E-06	-1.00E-07	-4.60E-08

Licensee Comments:

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



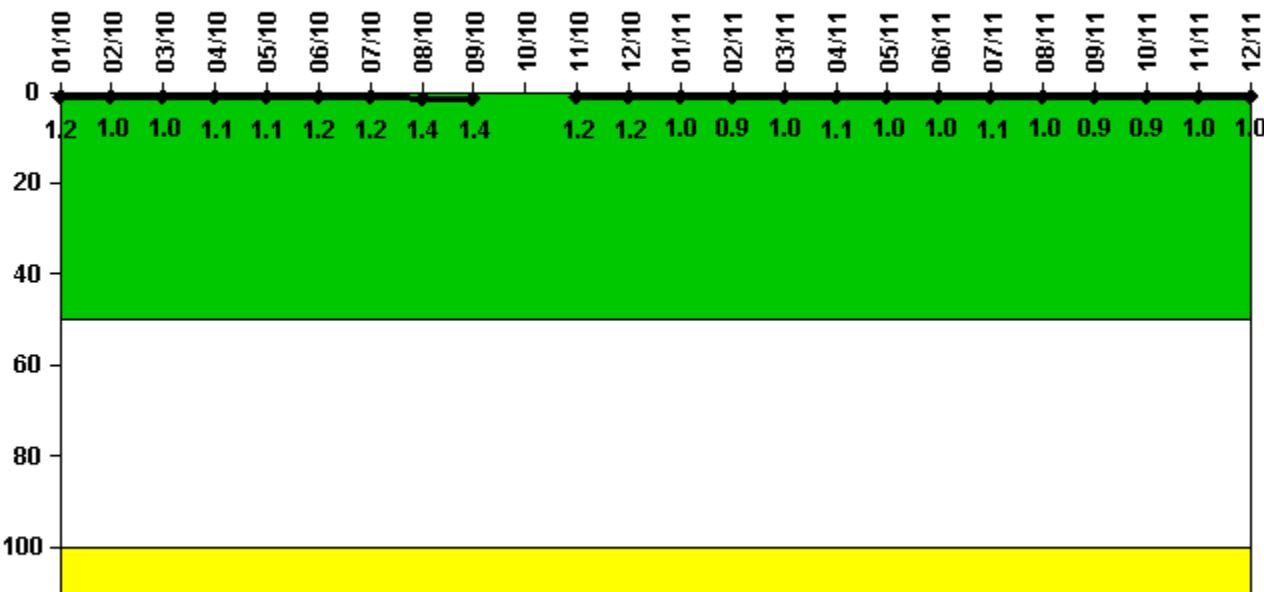
Thresholds: White > 50.0 Yellow > 100.0

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	0.000924	0.000992	0.001093	0.000958	0.001019	0.001407	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0	0.1	0.1
Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000384	0.000512	0.000384	0.000382	0.000392	0.000474	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



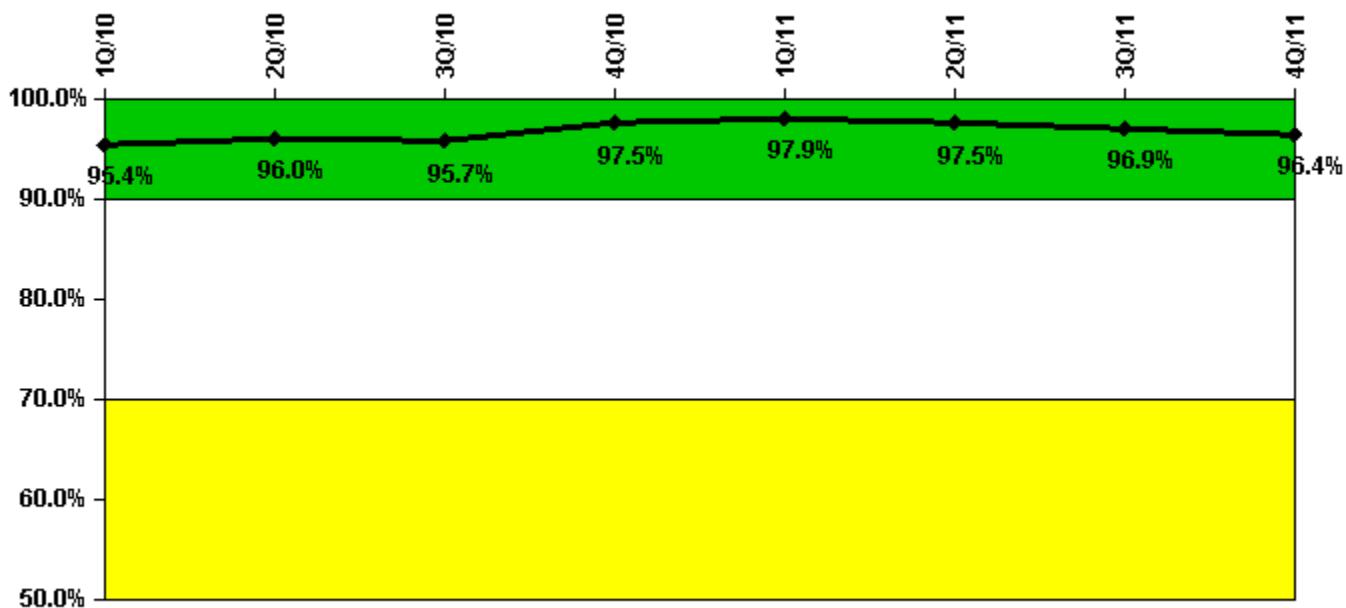
Thresholds: White > 50.0 Yellow > 100.0

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	0.120	0.100	0.100	0.110	0.110	0.120	0.120	0.140	0.140	N/A	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.0	1.0	1.1	1.1	1.2	1.2	1.4	1.4	N/A	1.2	1.2
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	0.100	0.090	0.100	0.110	0.100	0.100	0.110	0.100	0.090	0.090	0.100	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	1.0	0.9	1.0	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.0

Licensee Comments: none

Drill/Exercise Performance



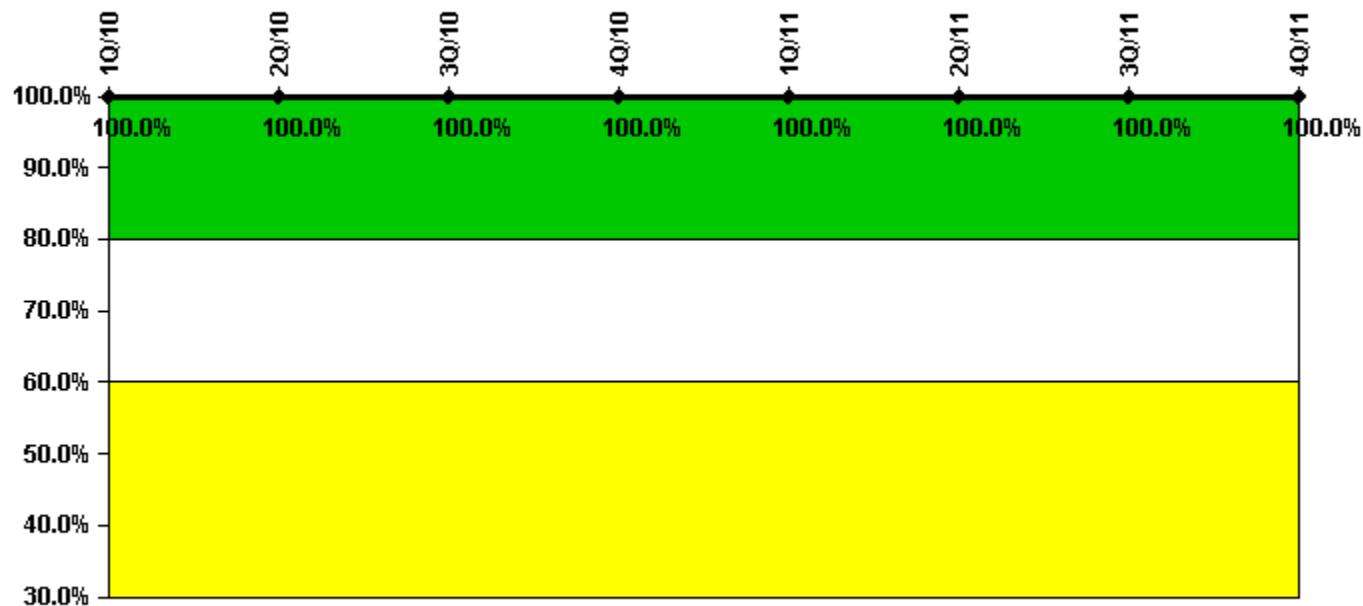
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	20.0	22.0	26.0	45.0	18.0	4.0	34.0	70.0
Total opportunities	22.0	22.0	27.0	46.0	18.0	4.0	36.0	73.0
Indicator value	95.4%	96.0%	95.7%	97.5%	97.9%	97.5%	96.9%	96.4%

Licensee Comments: none

ERO Drill Participation



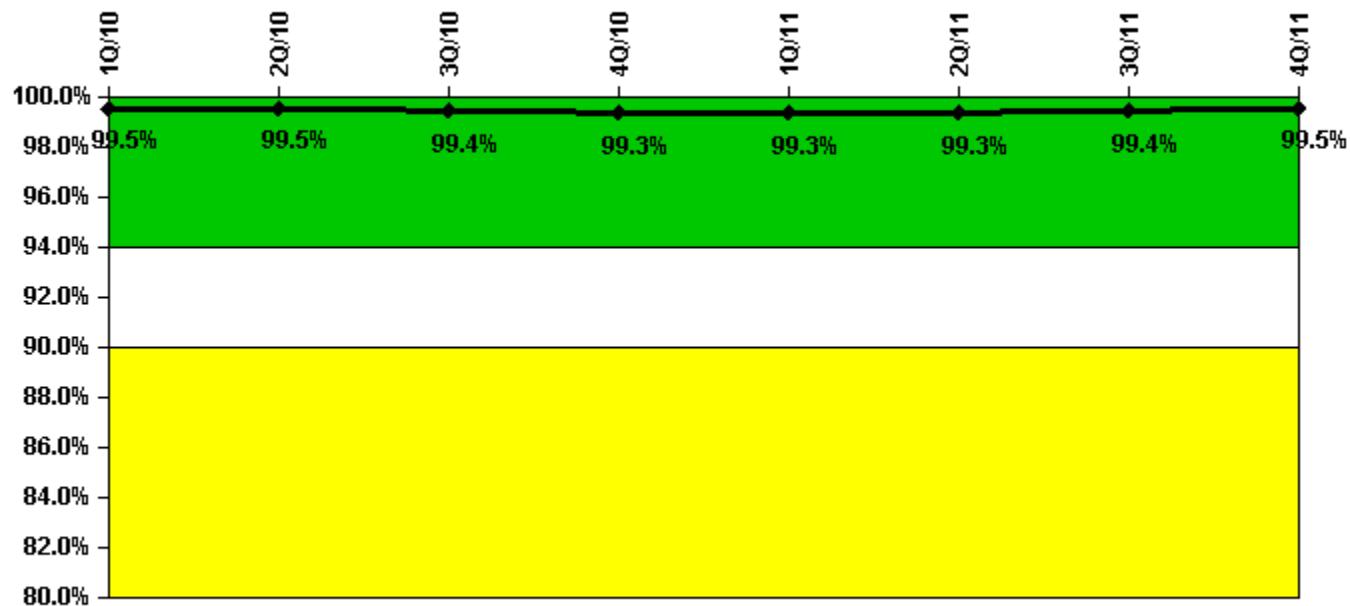
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	77.0	76.0	78.0	70.0	78.0	75.0	74.0	90.0
Total Key personnel	77.0	76.0	78.0	70.0	78.0	75.0	74.0	90.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



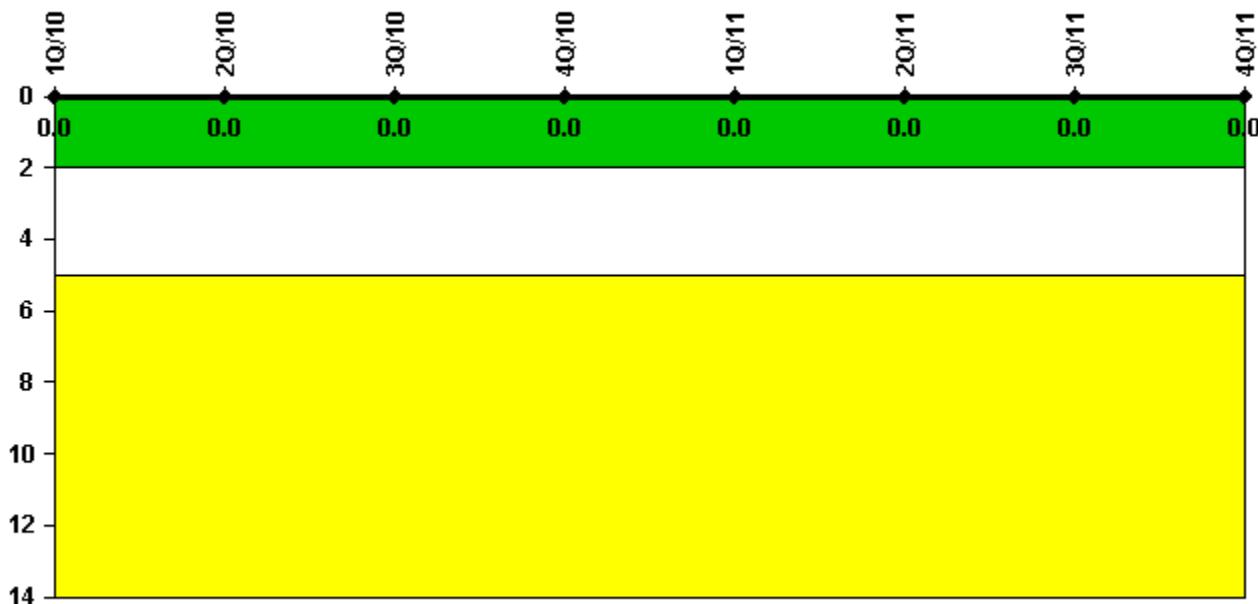
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	751	967	747	967	752	967	857	862
Total sirens-tests	756	972	756	972	756	972	864	864
Indicator value	99.5%	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



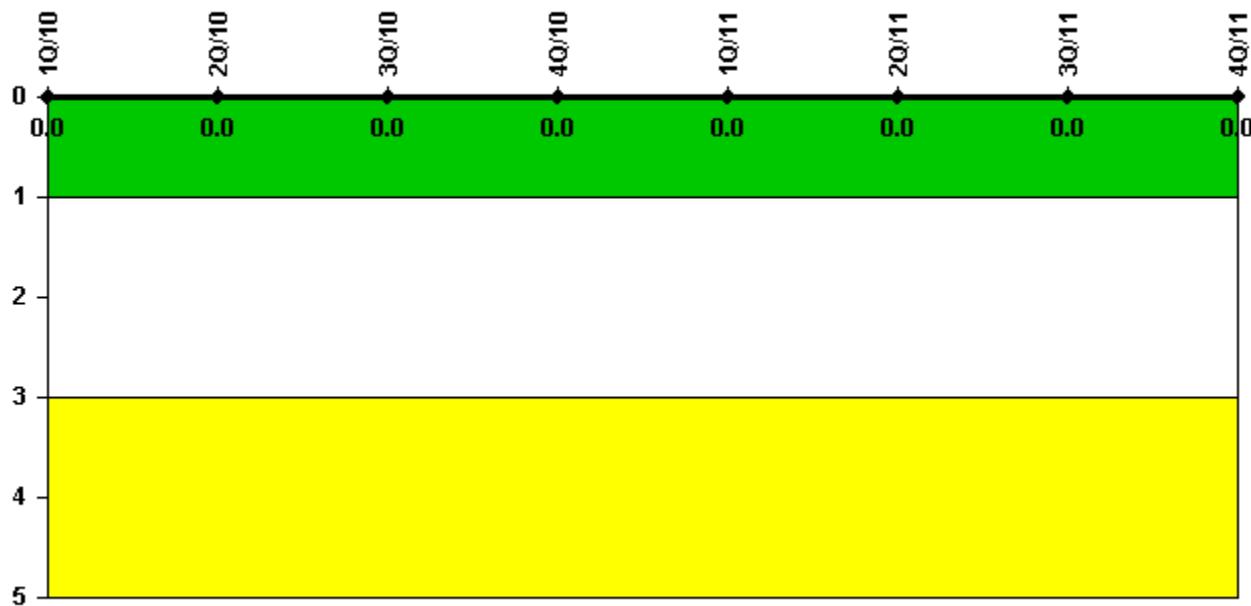
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

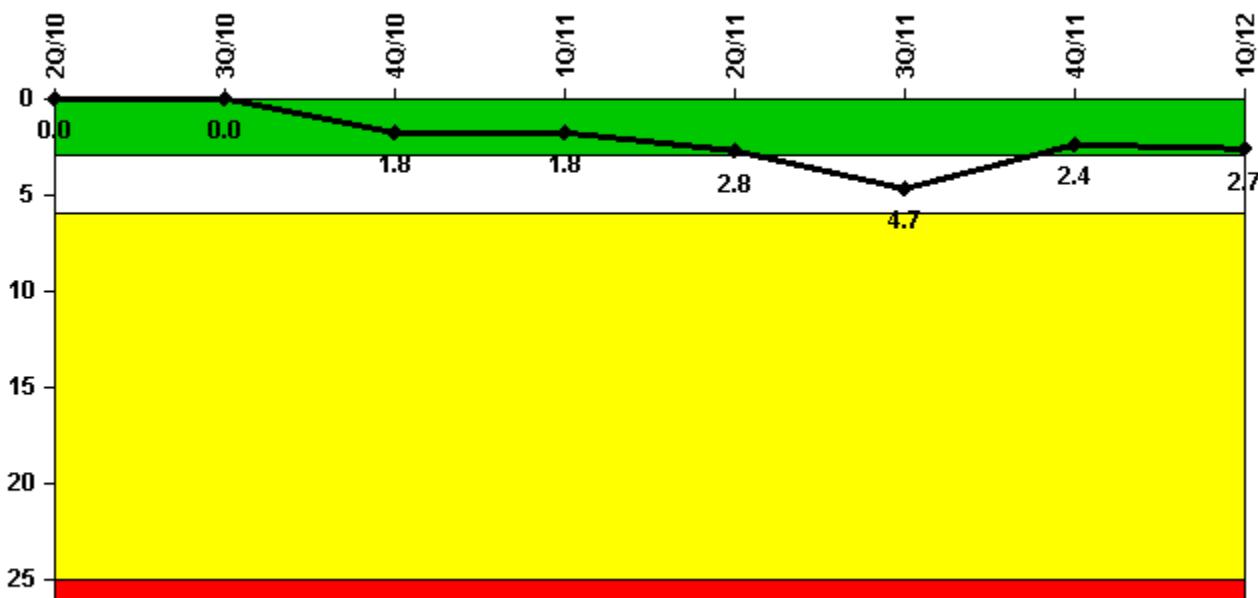
Security information not publicly available.

Sequoyah 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



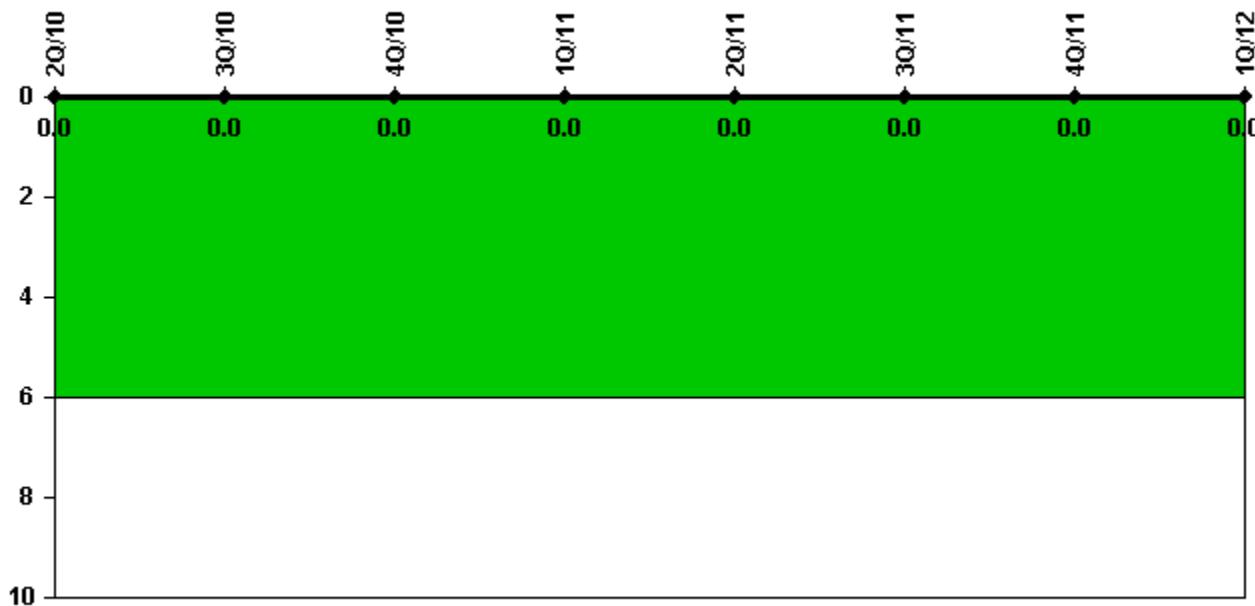
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	2.0	0	1.0	2.0	0	0
Critical hours	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4
Indicator value	0	0	1.8	1.8	2.8	4.7	2.4	2.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



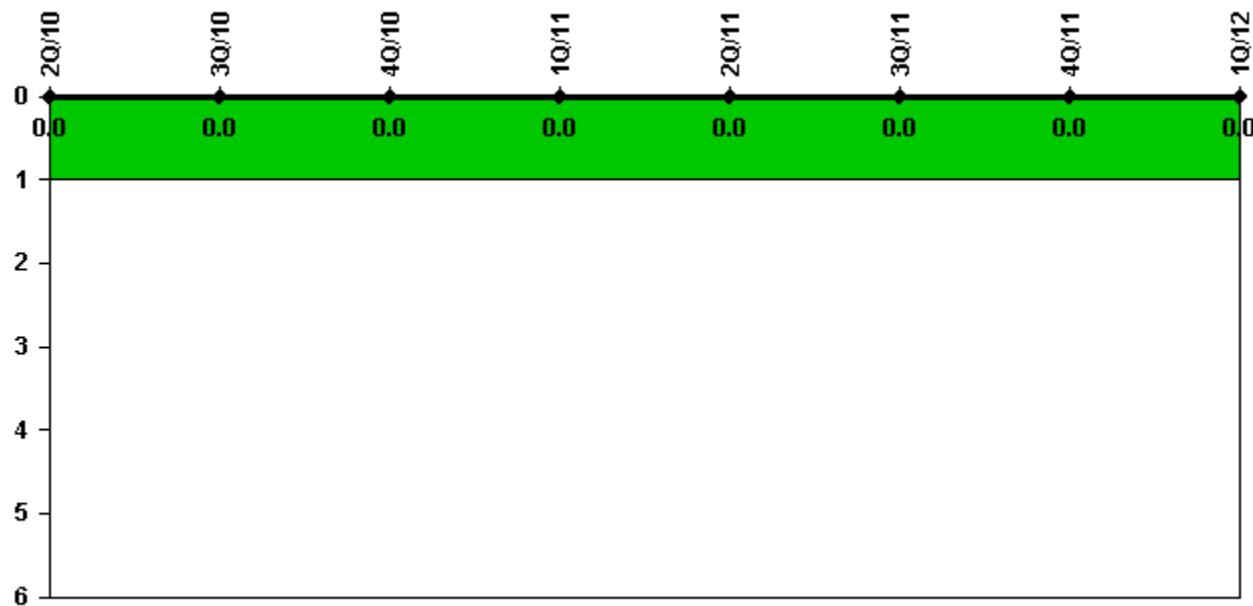
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



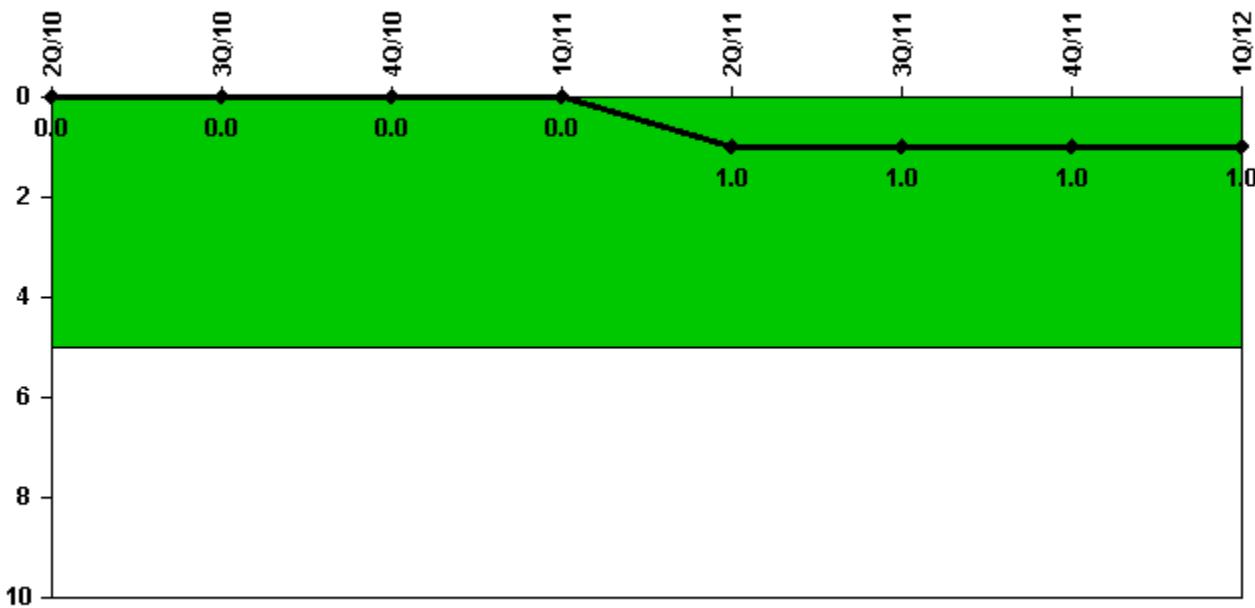
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

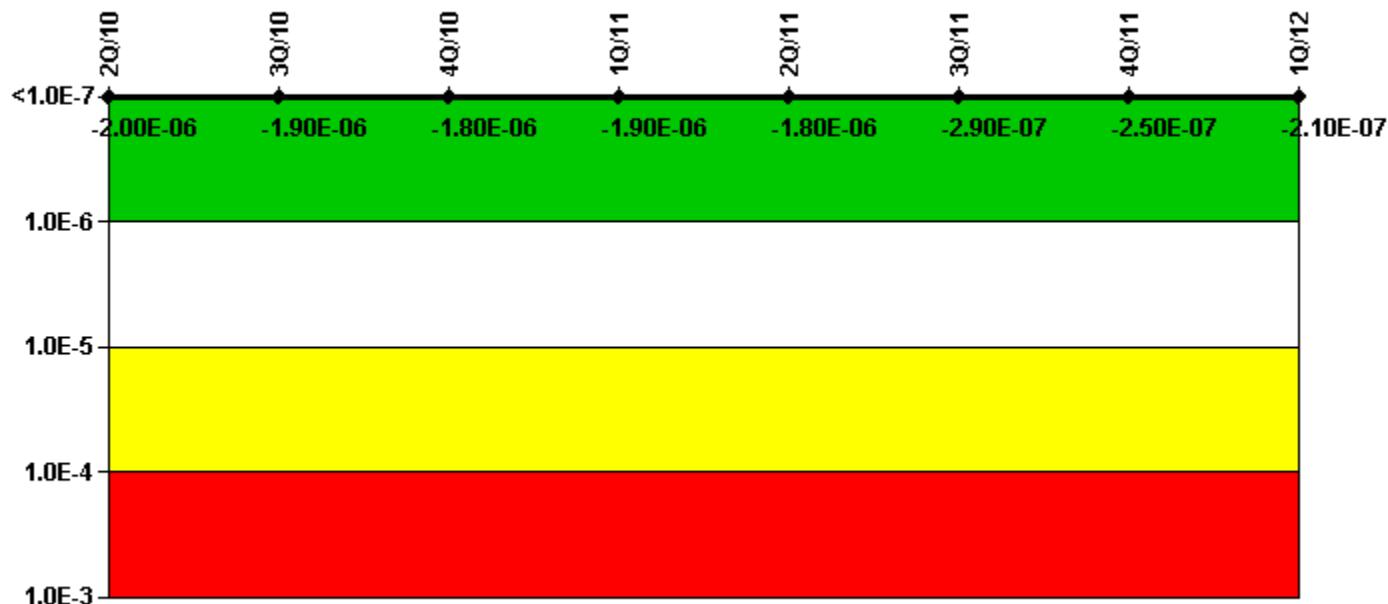
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-8.27E-08	-2.14E-08	-1.45E-08	1.02E-08	5.39E-08	-1.17E-08	3.32E-08	6.06E-08
URI (Δ CDF)	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-2.74E-07	-2.81E-07	-2.72E-07
PLE	NO							
Indicator value	-2.00E-06	-1.90E-06	-1.80E-06	-1.90E-06	-1.80E-06	-2.90E-07	-2.50E-07	-2.10E-07

Licensee Comments:

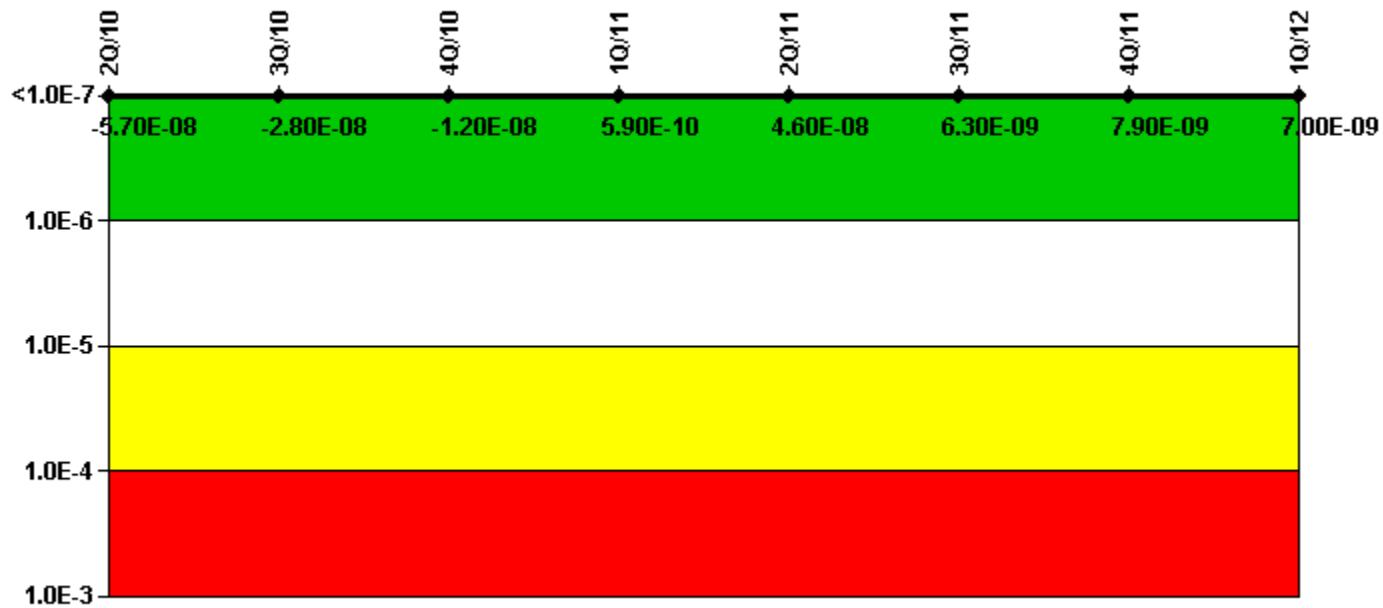
1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.14E-07	1.43E-07	1.59E-07	1.71E-07	2.17E-07	6.73E-09	8.30E-09	7.43E-09
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-4.21E-10	-4.22E-10	-4.22E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-2.80E-08	-1.20E-08	5.90E-10	4.60E-08	6.30E-09	7.90E-09	7.00E-09

Licensee Comments:

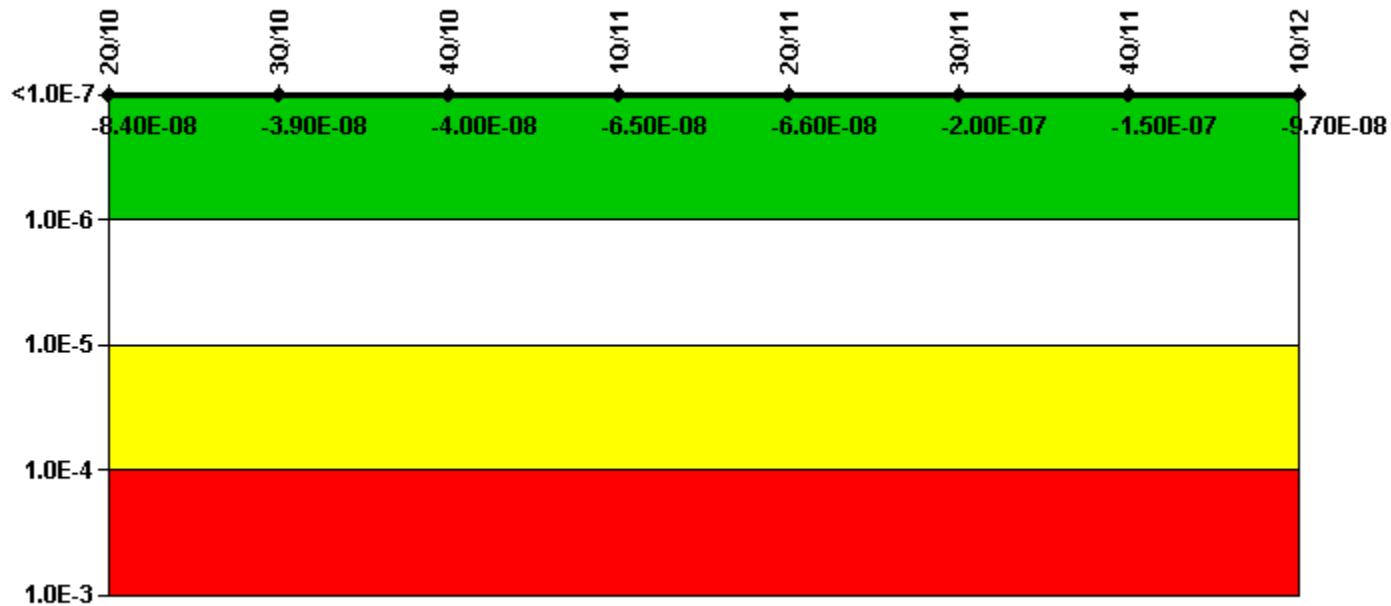
1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

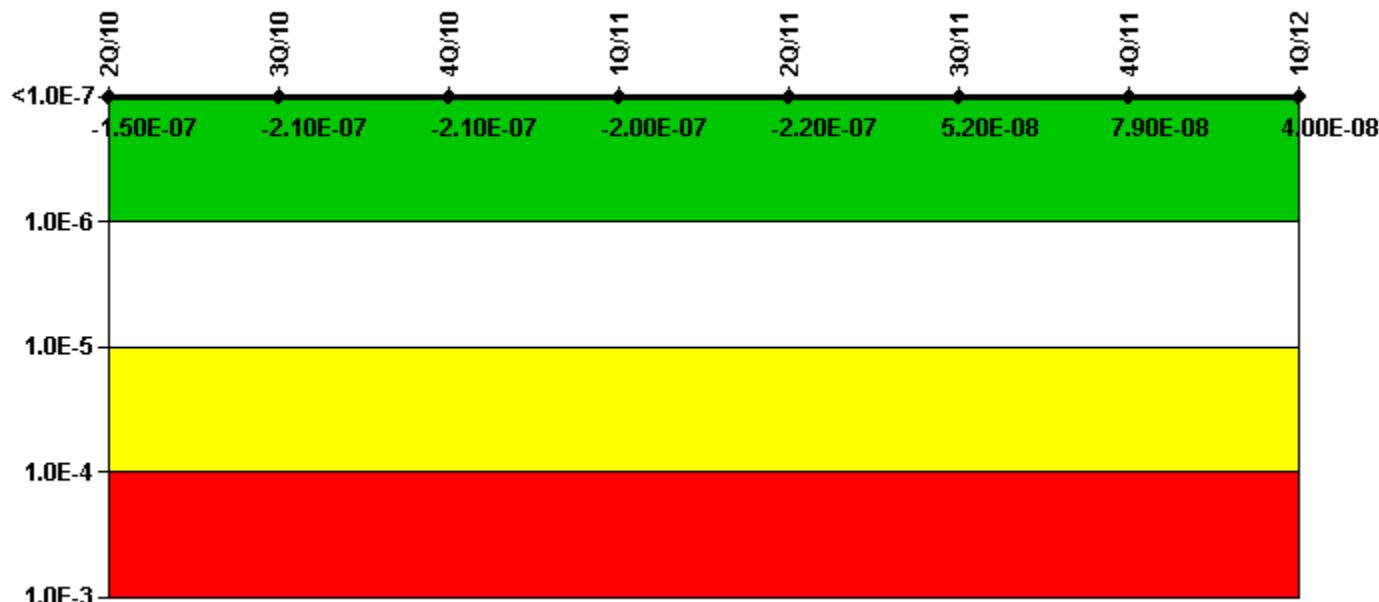
Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-1.73E-08	2.75E-08	2.86E-08	2.66E-08	2.71E-08	8.35E-08	1.40E-07	1.83E-07
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.86E-08	-9.15E-08	-9.31E-08	-2.86E-07	-2.86E-07	-2.80E-07
PLE	NO							
Indicator value	-8.40E-08	-3.90E-08	-4.00E-08	-6.50E-08	-6.60E-08	-2.00E-07	-1.50E-07	-9.70E-08

Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

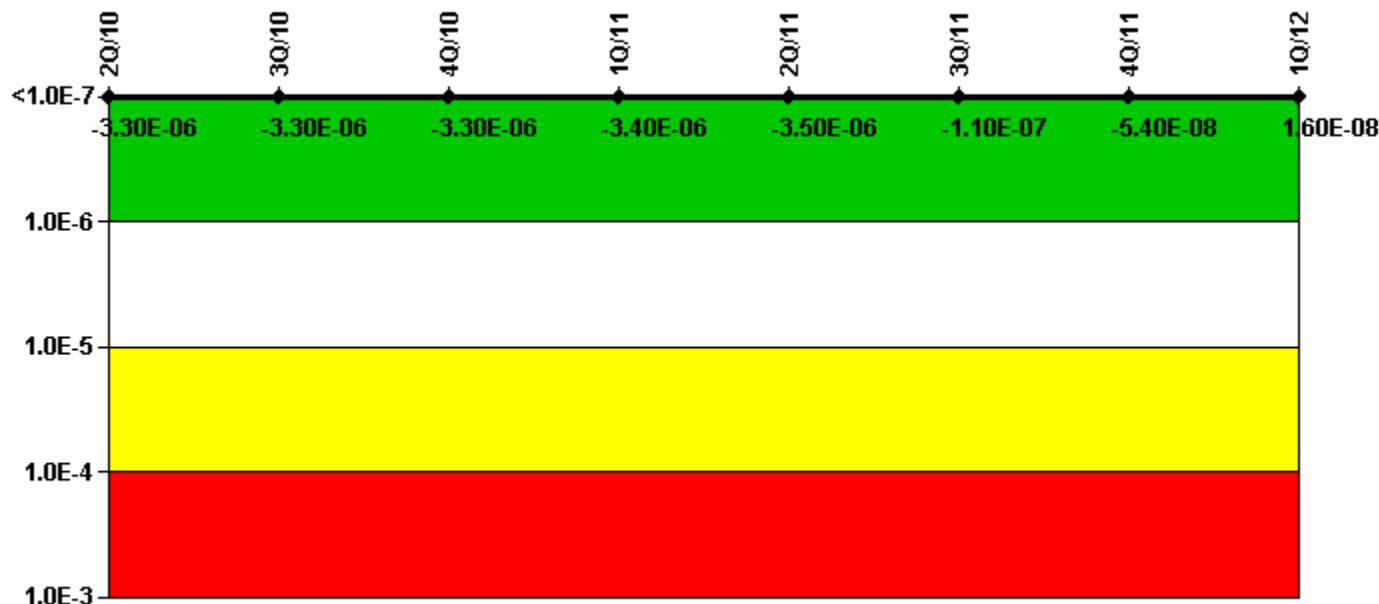
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.21E-07	1.52E-07	1.55E-07	1.69E-07	1.44E-07	2.27E-07	2.54E-07	2.14E-07
URI (Δ CDF)	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-1.75E-07	-1.75E-07	-1.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.20E-07	5.20E-08	7.90E-08	4.00E-08

Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-3.15E-06	-3.15E-06	-3.13E-06	-3.26E-06	-3.26E-06	-3.82E-08	2.09E-08	9.13E-08
URI (Δ CDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-7.49E-08	-7.49E-08	-7.49E-08
PLE	NO	NO						
Indicator value	-3.30E-06	-3.30E-06	-3.30E-06	-3.40E-06	-3.50E-06	-1.10E-07	-5.40E-08	1.60E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current

Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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4Q/10: Changed PRA Parameter(s).

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3Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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

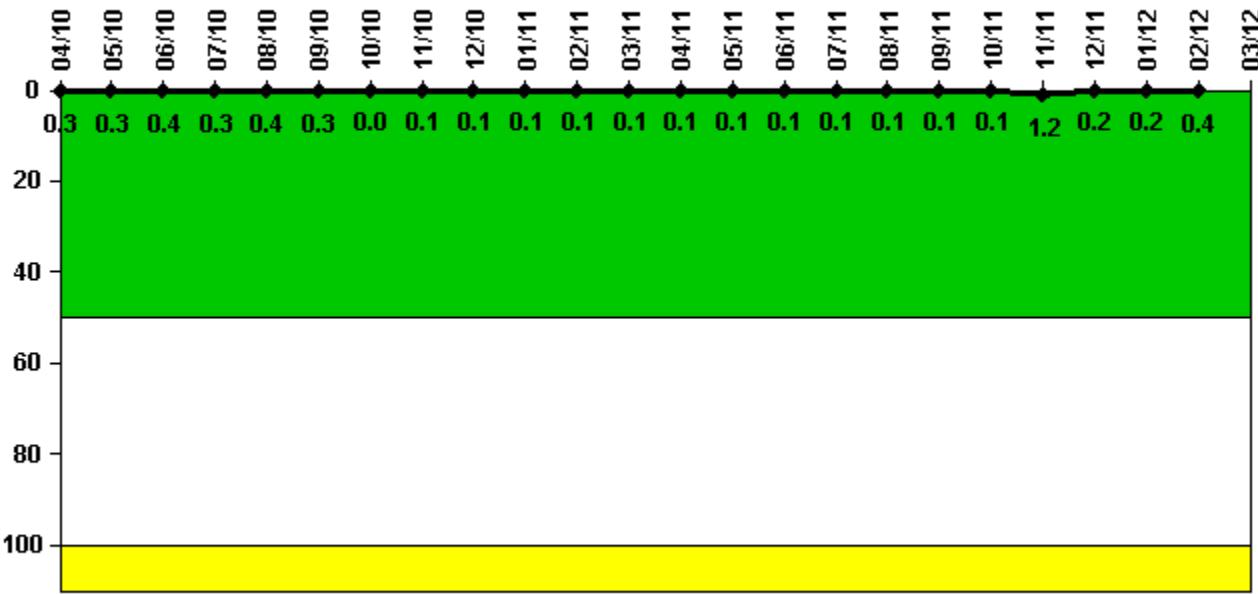
2Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as

needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



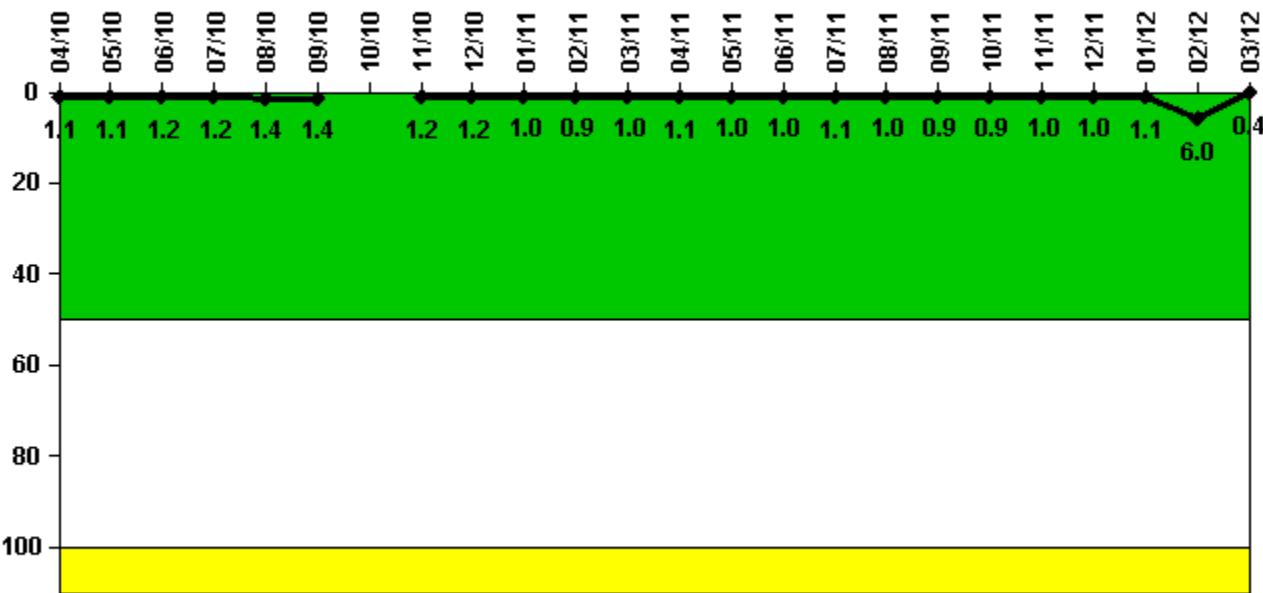
Thresholds: White > 50.0 Yellow > 100.0

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	0.000958	0.001019	0.001407	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453	0.000384	0.000512	0.000384
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.3	0.4	0.3	0.4	0.3	0	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000382	0.000392	0.000474	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609	0.000584	0.001269	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.2	0.2	0.4	N/A

Licensee Comments: none

Reactor Coolant System Leakage



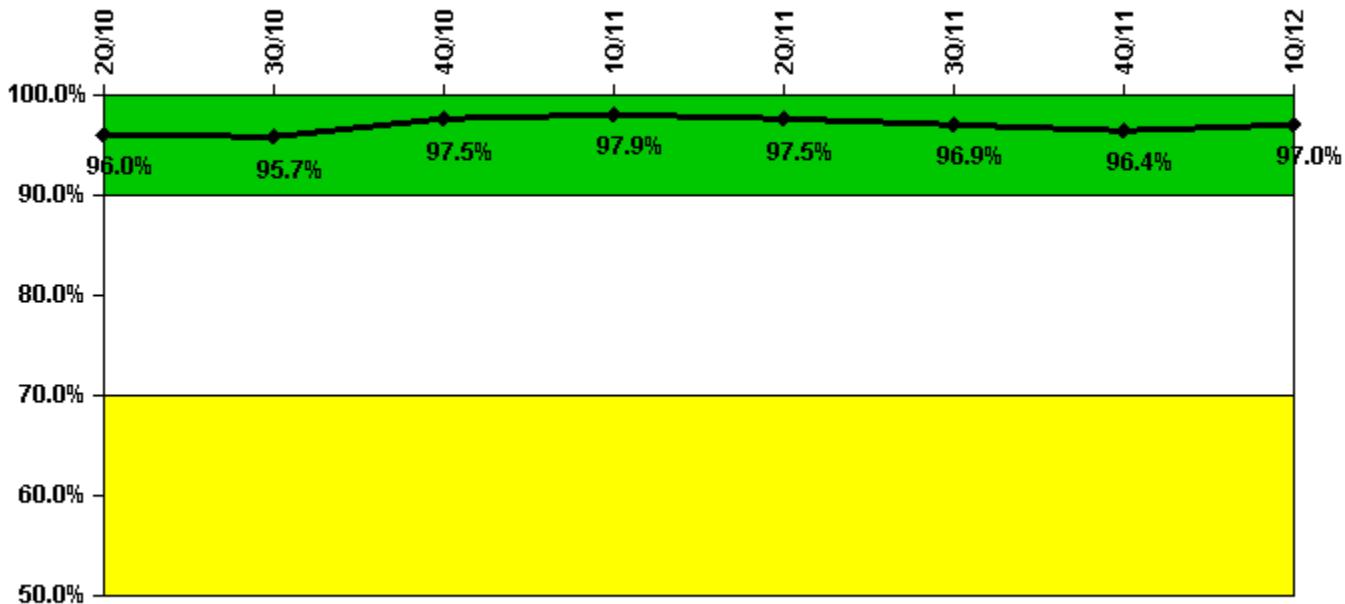
Thresholds: White > 50.0 Yellow > 100.0

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	0.110	0.110	0.120	0.120	0.140	0.140	N/A	0.120	0.120	0.100	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.1	1.2	1.2	1.4	1.4	N/A	1.2	1.2	1.0	0.9	1.0
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	0.110	0.100	0.100	0.110	0.100	0.090	0.090	0.100	0.100	0.110	0.600	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.0	1.1	6.0	0.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

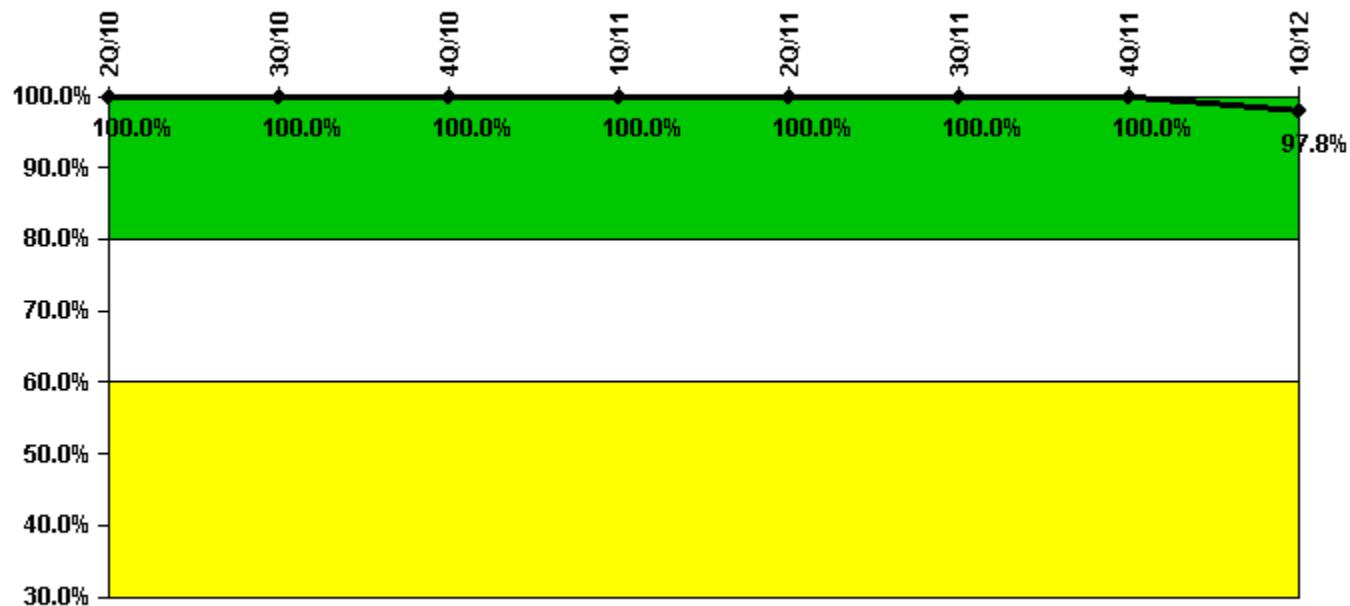
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	22.0	26.0	45.0	18.0	4.0	34.0	70.0	6.0
Total opportunities	22.0	27.0	46.0	18.0	4.0	36.0	73.0	6.0
Indicator value	96.0%	95.7%	97.5%	97.9%	97.5%	96.9%	96.4%	97.0%

Licensee Comments:

3Q/10: Documentation for one previously reported notification opportunity and success could not be retrieved. The issue was documented in the Corrective Action Program.

2Q/10: June DEP updated due to the omission of Notification successes and opportunities and the late identification of DEP successes and opportunities during Licensed Operator Requalification. This issue was captured in the Corrective Action Program.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

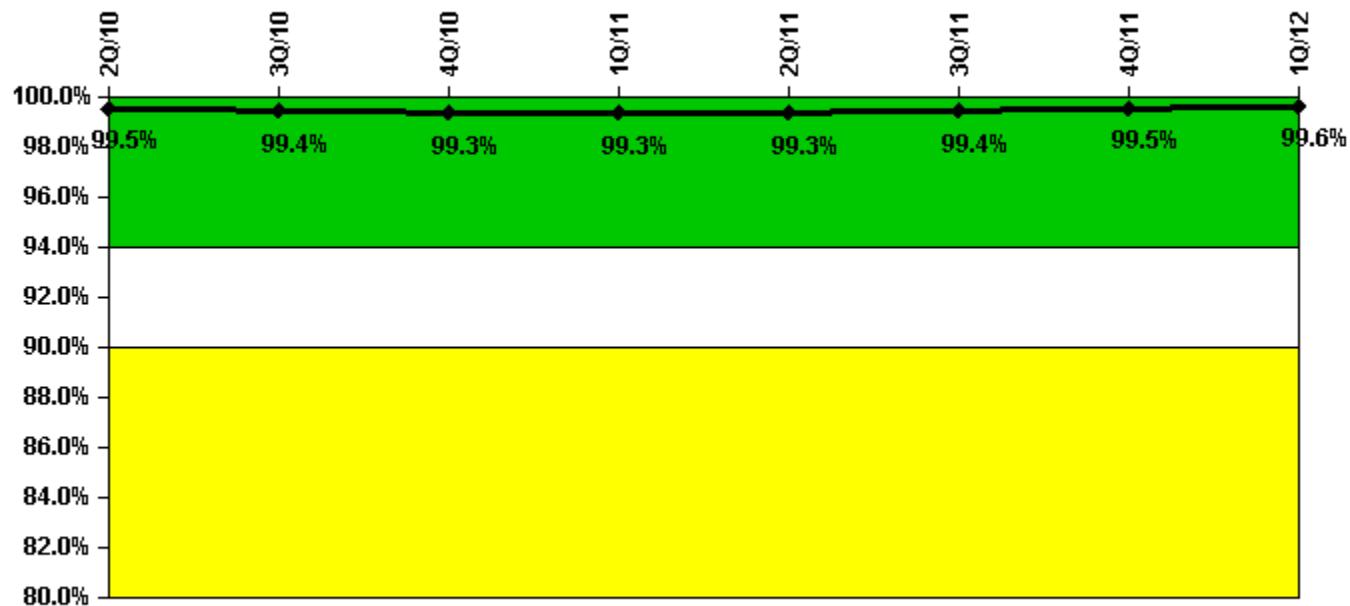
Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	76.0	78.0	70.0	78.0	75.0	74.0	90.0	88.0
Total Key personnel	76.0	78.0	70.0	78.0	75.0	74.0	90.0	90.0
Indicator value	100.0%	97.8%						

Licensee Comments:

2Q/10: June Participation was updated due to the omission of a Corporate EOF participant. This issue were captured in the Corrective Action Program.

Alert & Notification System



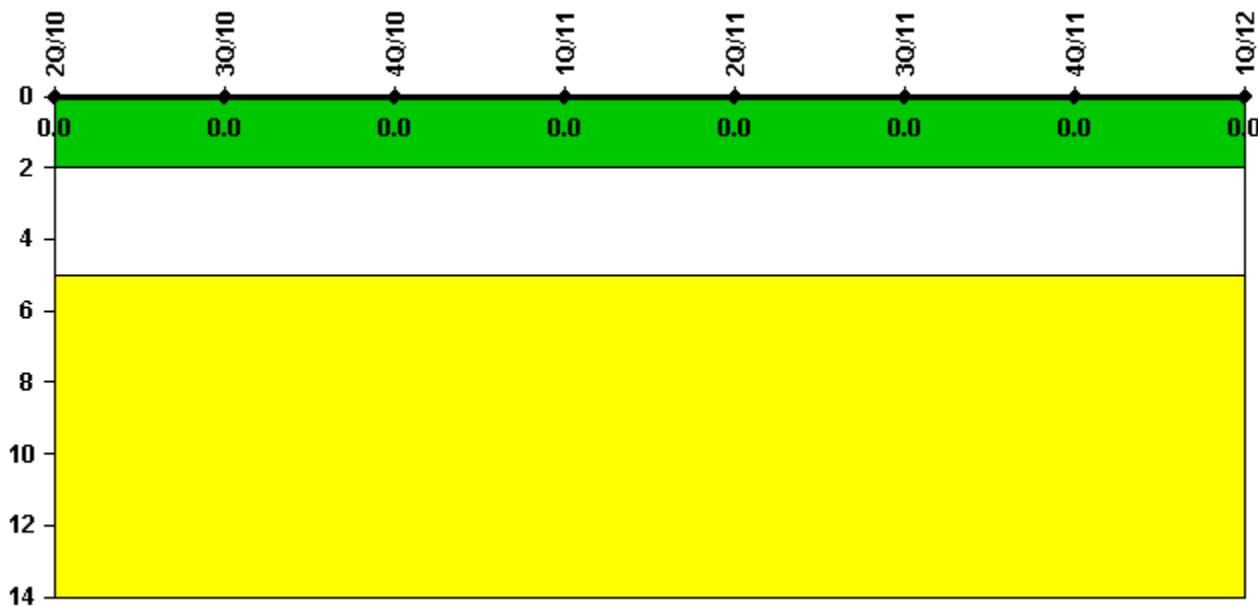
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	967	747	967	752	967	857	862	863
Total sirens-tests	972	756	972	756	972	864	864	864
Indicator value	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



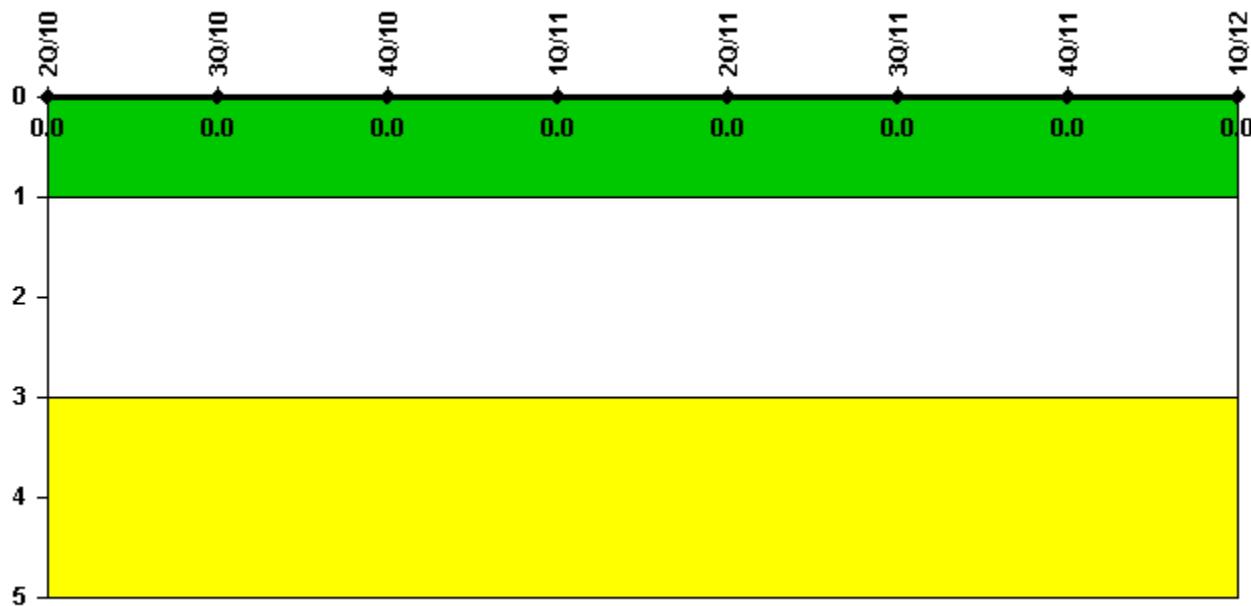
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

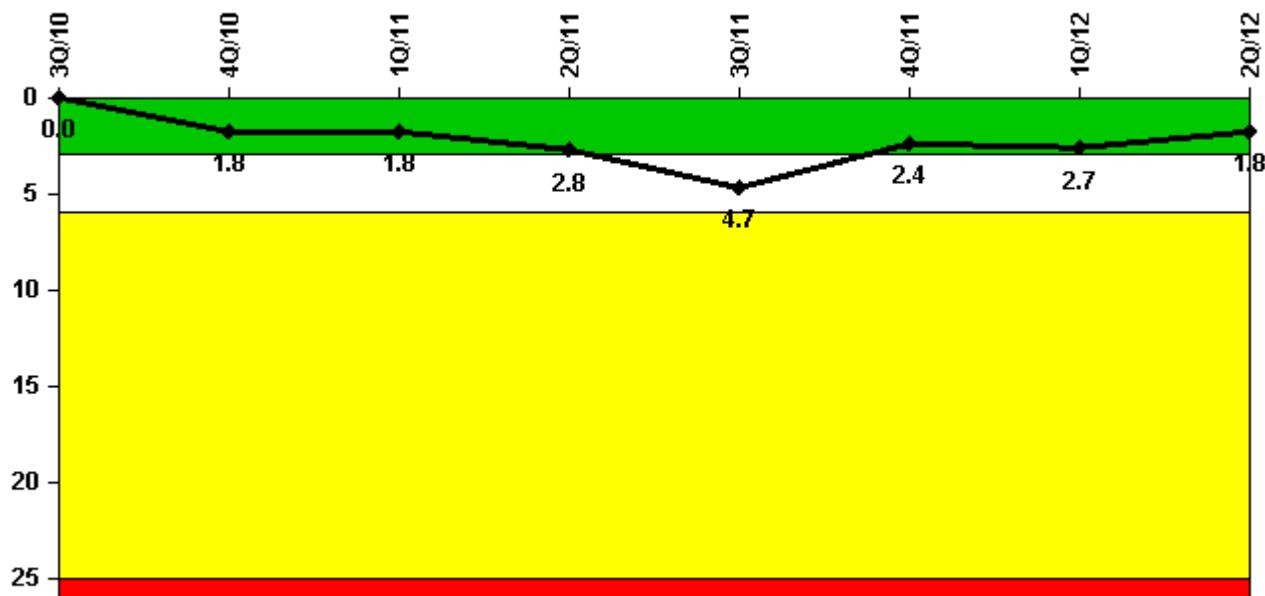
[Security](#) information not publicly available.

Sequoyah 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



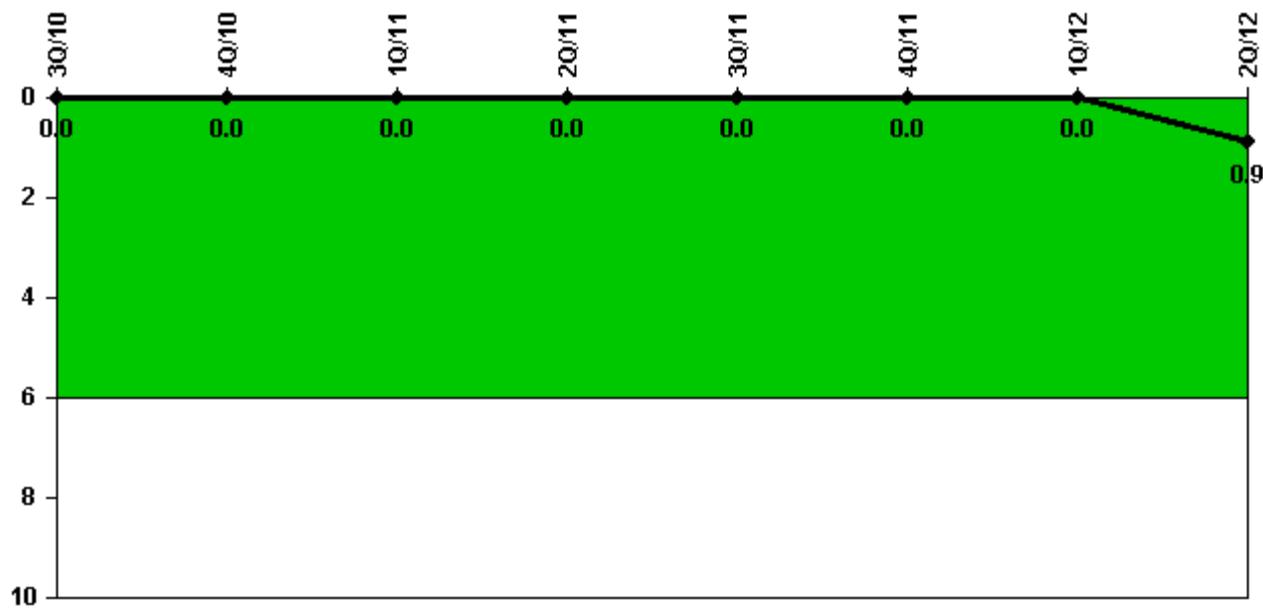
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	1.0	2.0	0	0	0
Critical hours	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0
Indicator value	0	1.8	1.8	2.8	4.7	2.4	2.7	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



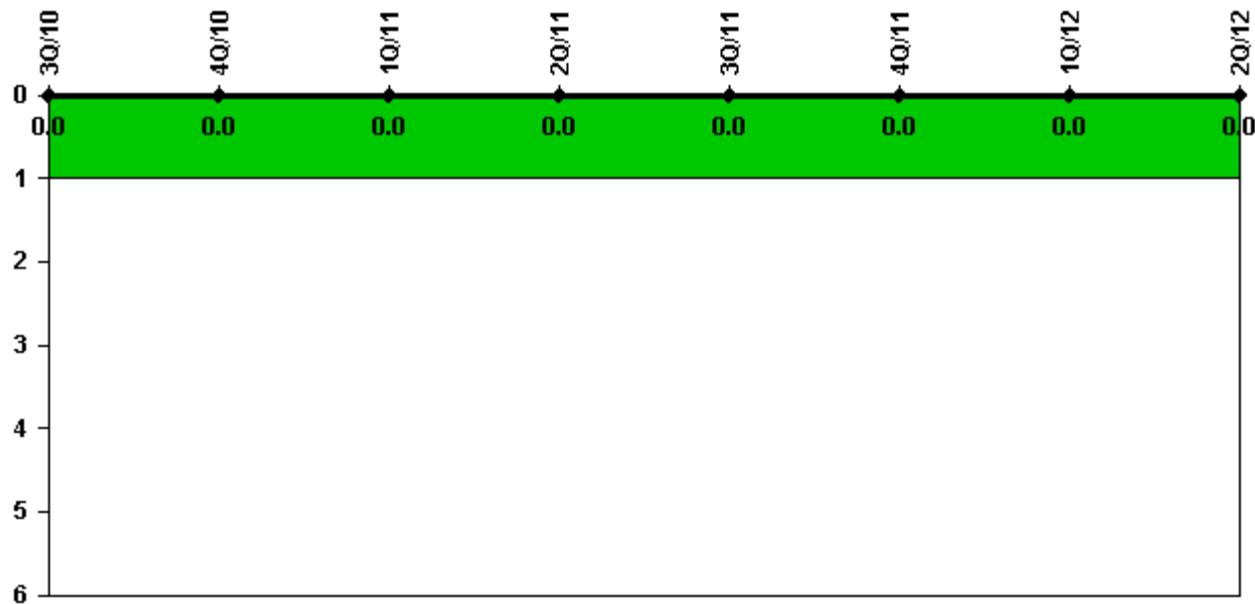
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/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	1.0
Critical hours	2208.0	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



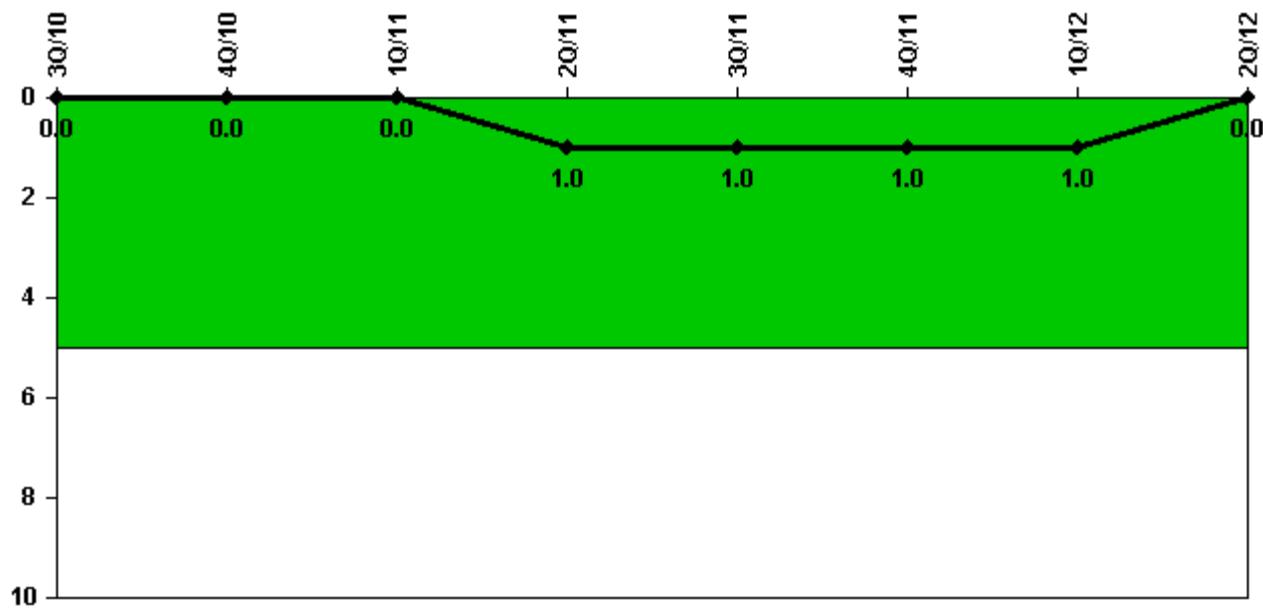
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

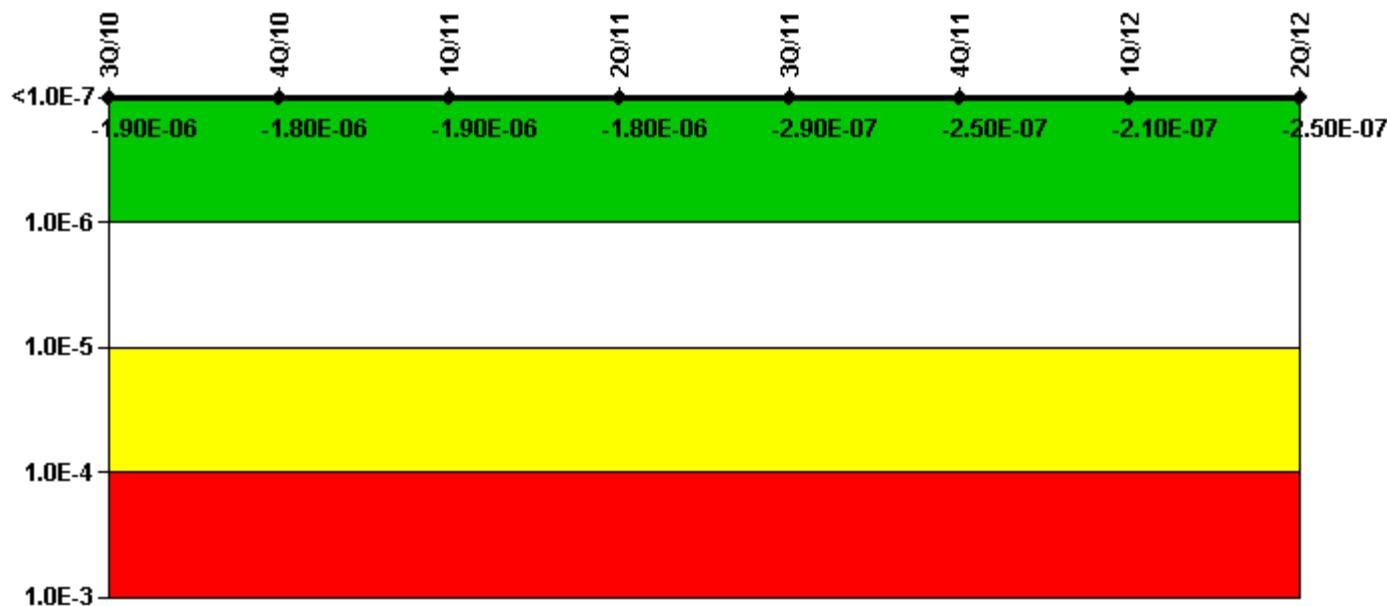
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.14E-08	-1.45E-08	1.02E-08	5.39E-08	-1.17E-08	3.32E-08	6.06E-08	1.63E-08
URI (ΔCDF)	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-2.74E-07	-2.81E-07	-2.72E-07	-2.65E-07
PLE	NO							
Indicator value	-1.90E-06	-1.80E-06	-1.90E-06	-1.80E-06	-2.90E-07	-2.50E-07	-2.10E-07	-2.50E-07

Licensee Comments:

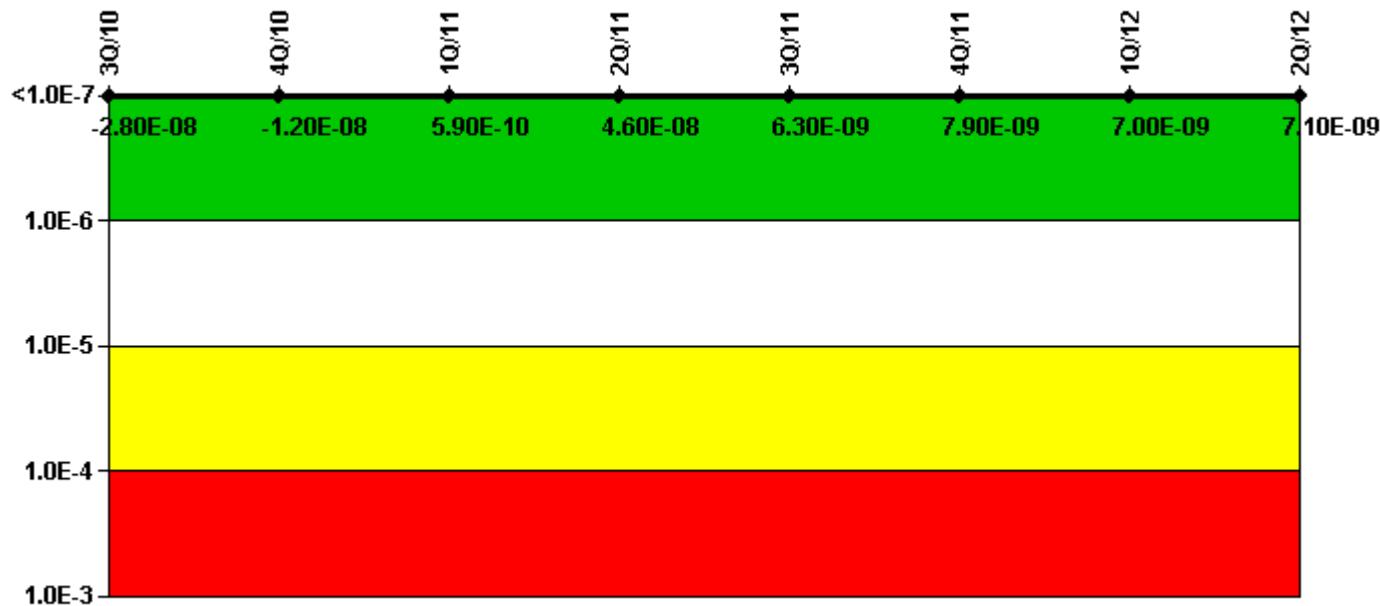
1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.43E-07	1.59E-07	1.71E-07	2.17E-07	6.73E-09	8.30E-09	7.43E-09	7.49E-09
URI (ΔCDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-4.21E-10	-4.22E-10	-4.22E-10	-4.23E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-08	-1.20E-08	5.90E-10	4.60E-08	6.30E-09	7.90E-09	7.00E-09	7.10E-09

Licensee Comments:

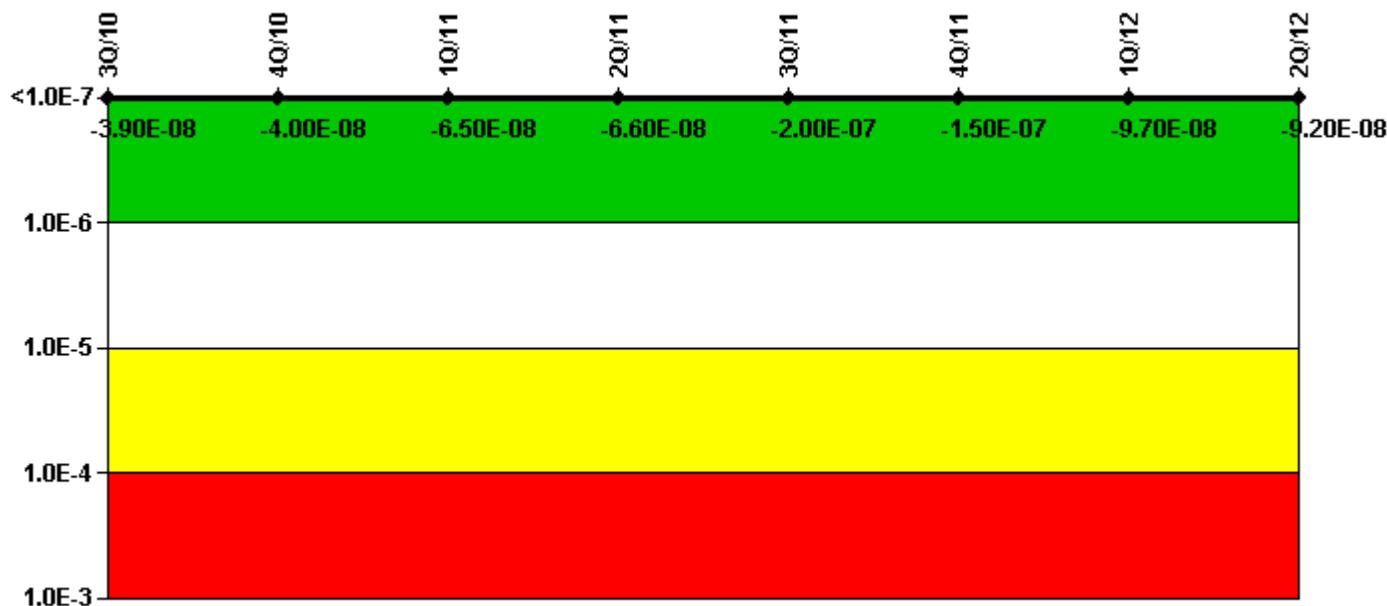
1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

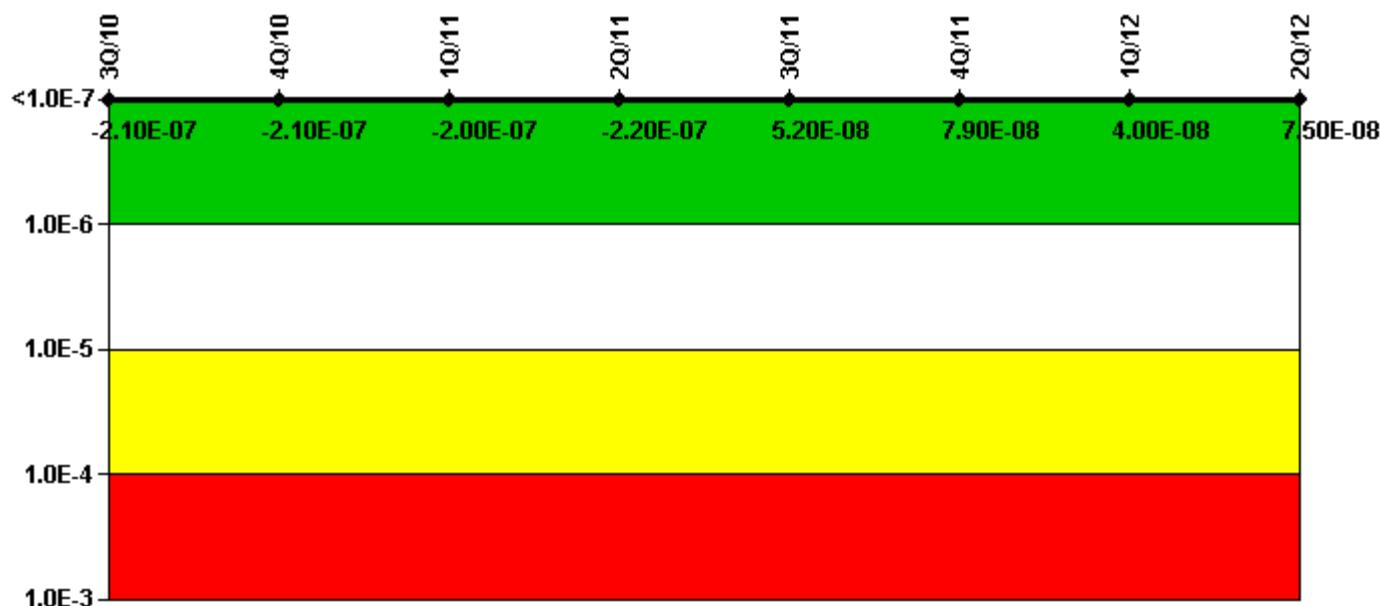
Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	2.75E-08	2.86E-08	2.66E-08	2.71E-08	8.35E-08	1.40E-07	1.83E-07	1.83E-07
URI (Δ CDF)	-6.66E-08	-6.86E-08	-9.15E-08	-9.31E-08	-2.86E-07	-2.86E-07	-2.80E-07	-2.75E-07
PLE	NO							
Indicator value	-3.90E-08	-4.00E-08	-6.50E-08	-6.60E-08	-2.00E-07	-1.50E-07	-9.70E-08	-9.20E-08

Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

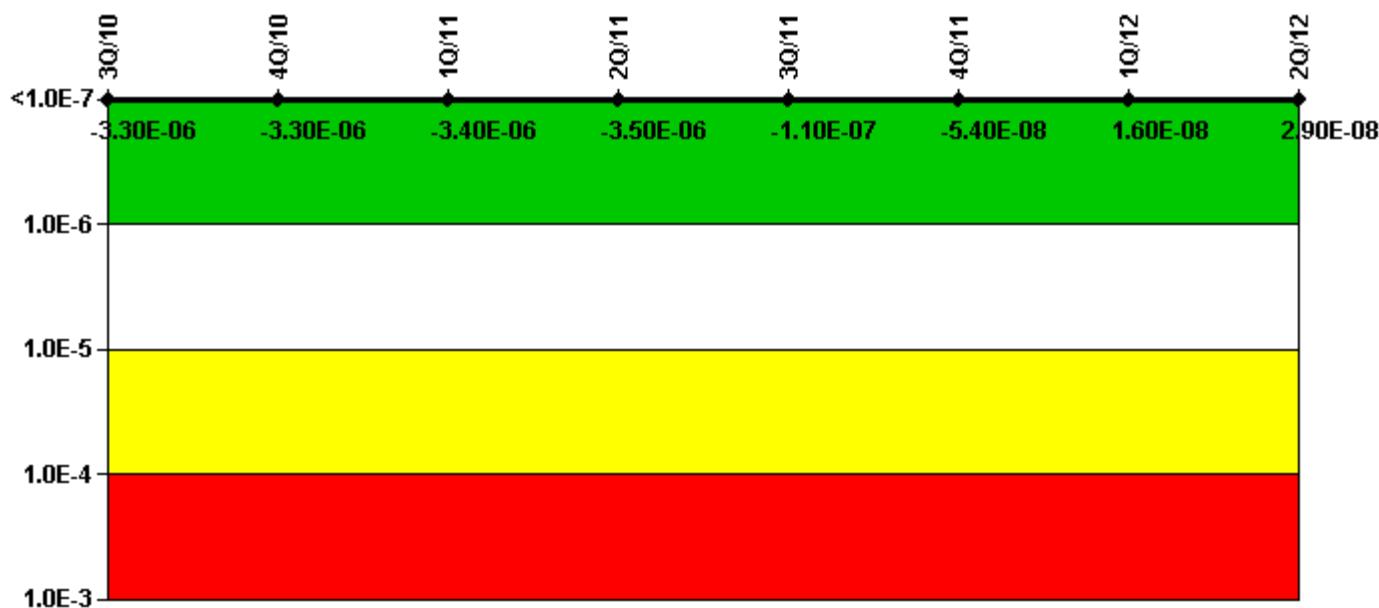
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.52E-07	1.55E-07	1.69E-07	1.44E-07	2.27E-07	2.54E-07	2.14E-07	2.49E-07
URI (ΔCDF)	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-2.10E-07	-2.00E-07	-2.20E-07	5.20E-08	7.90E-08	4.00E-08	7.50E-08

Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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 (Δ CDF)	-3.15E-06	-3.13E-06	-3.26E-06	-3.26E-06	-3.82E-08	2.09E-08	9.13E-08	1.04E-07
URI (Δ CDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-06	-3.30E-06	-3.40E-06	-3.50E-06	-1.10E-07	-5.40E-08	1.60E-08	2.90E-08

Licensee Comments:

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to

reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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4Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: Changed PRA Parameter(s).

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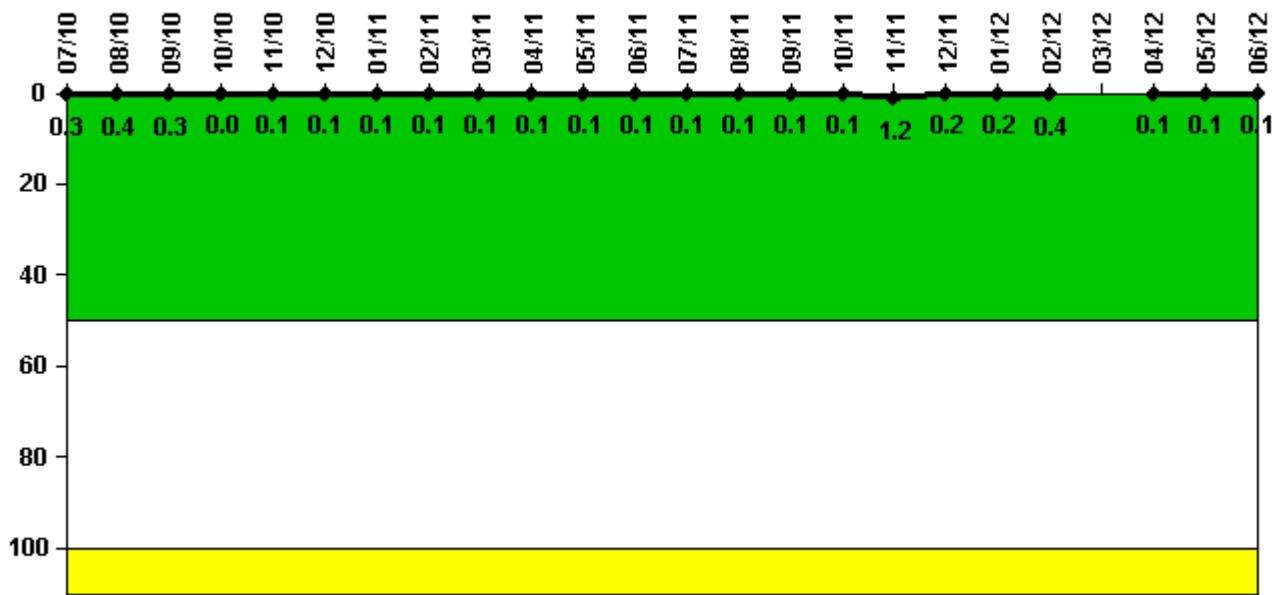
3Q/10: Changed PRA Parameter(s).

3Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



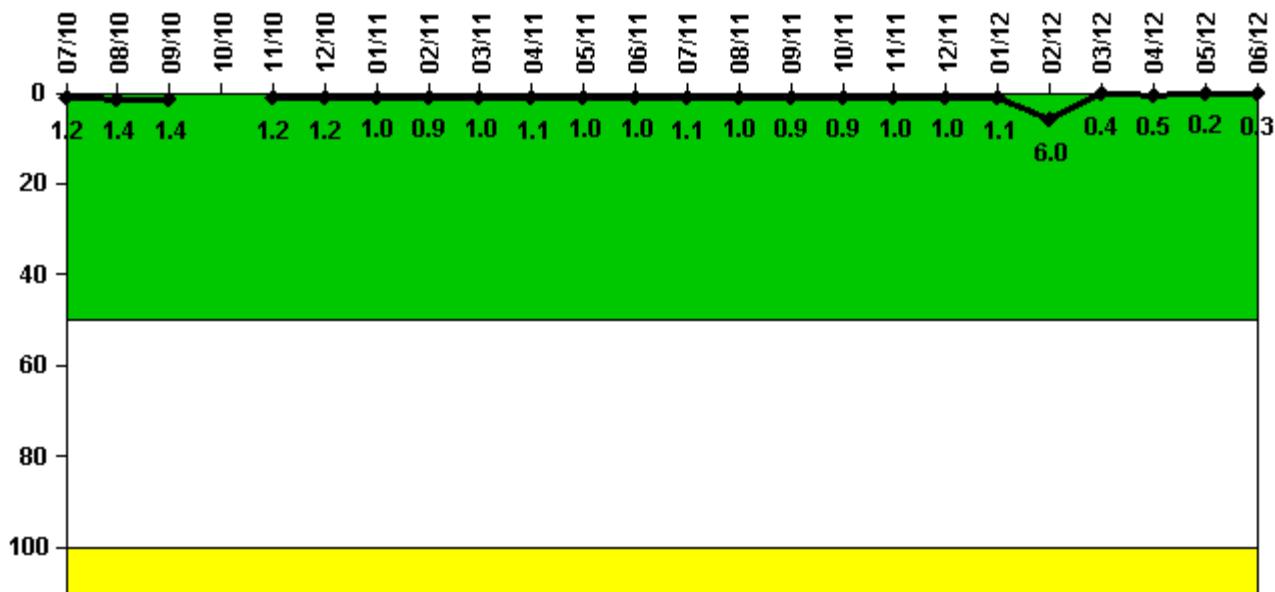
Thresholds: White > 50.0 Yellow > 100.0

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	0.001101	0.001251	0.001039	0.000001	0.000275	0.000453	0.000384	0.000512	0.000384	0.000382	0.000392	0.000474
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.4	0.3	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609	0.000584	0.001269	N/A	0.000284	0.000305	0.000289
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	1.2	0.2	0.2	0.4	N/A	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



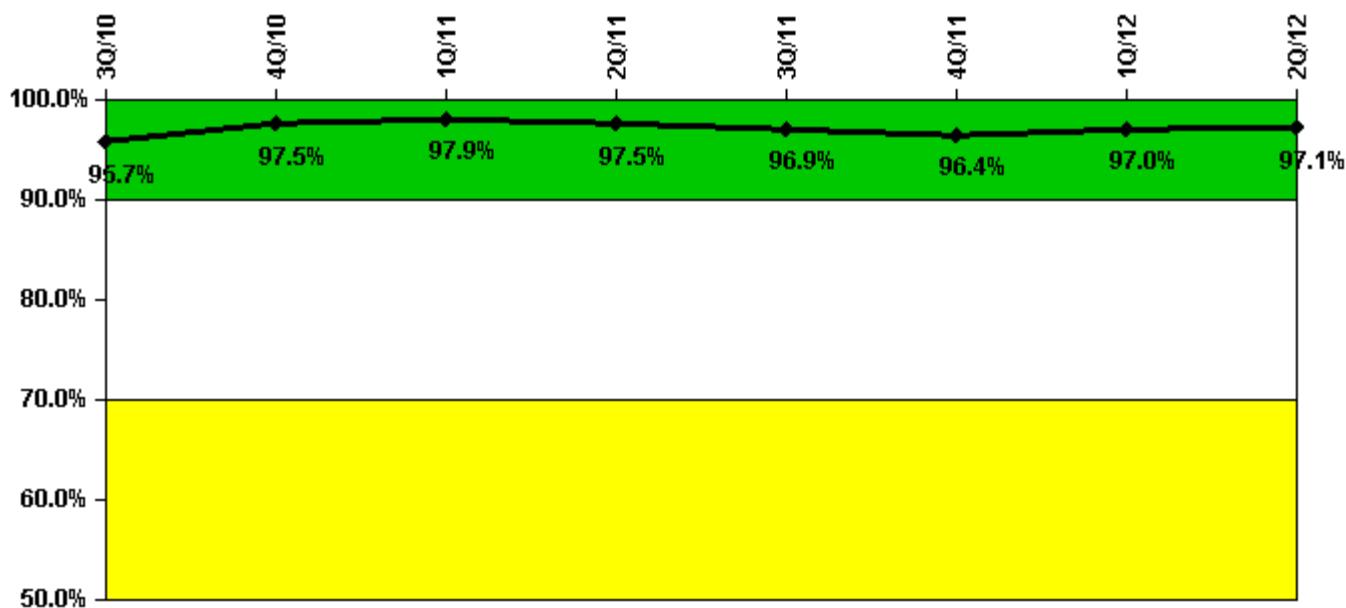
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.120	0.140	0.140	N/A	0.120	0.120	0.100	0.090	0.100	0.110	0.100	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	1.2	1.4	1.4	N/A	1.2	1.2	1.0	0.9	1.0	1.1	1.0	1.0
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	0.110	0.100	0.090	0.090	0.100	0.100	0.110	0.600	0.040	0.050	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.0	0.9	0.9	1.0	1.0	1.1	6.0	0.4	0.5	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

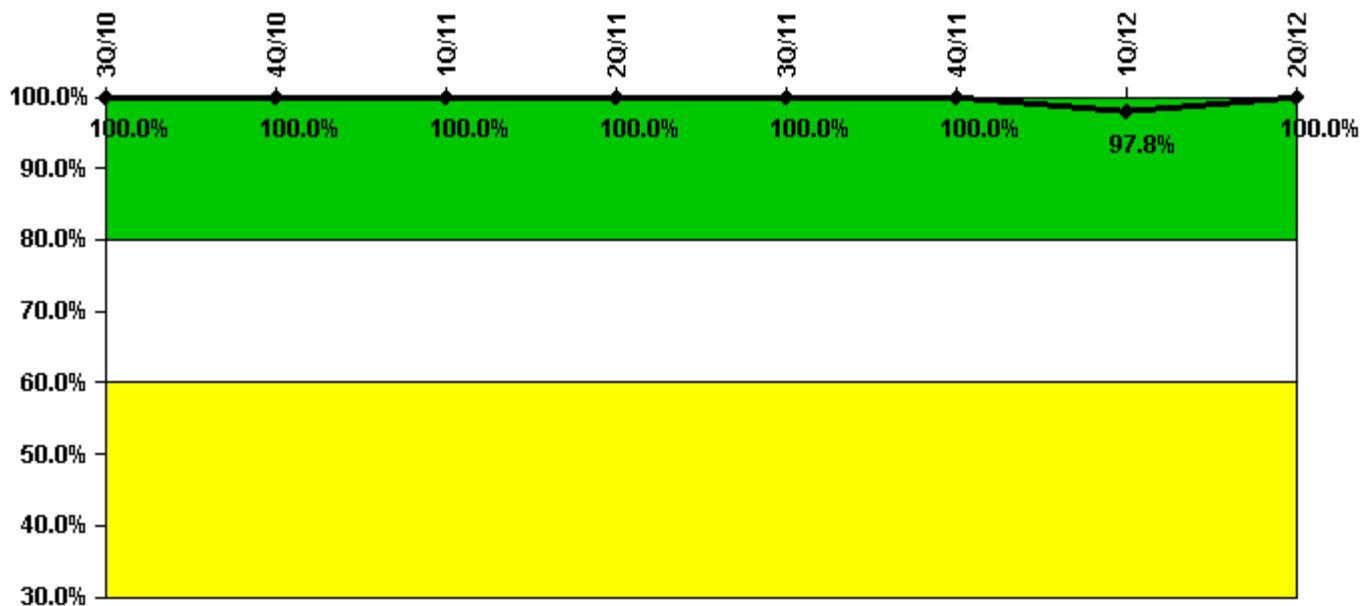
Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	26.0	45.0	18.0	4.0	34.0	70.0	6.0	32.0
Total opportunities	27.0	46.0	18.0	4.0	36.0	73.0	6.0	32.0
Indicator value	95.7%	97.5%	97.9%	97.5%	96.9%	96.4%	97.0%	97.1%

Licensee Comments:

3Q/10: Documentation for one previously reported notification opportunity and success could not be retrieved. The issue was documented in the Corrective Action Program.

ERO Drill Participation



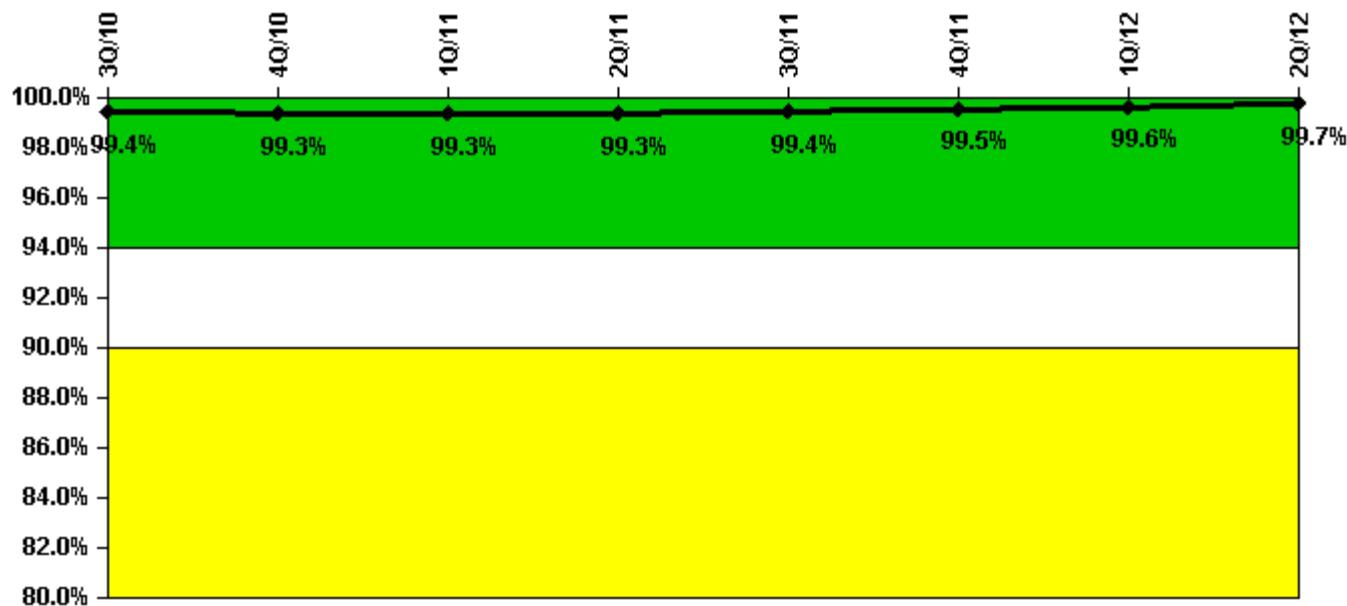
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	78.0	70.0	78.0	75.0	74.0	90.0	88.0	99.0
Total Key personnel	78.0	70.0	78.0	75.0	74.0	90.0	90.0	99.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	97.8%	100.0%

Licensee Comments: none

Alert & Notification System



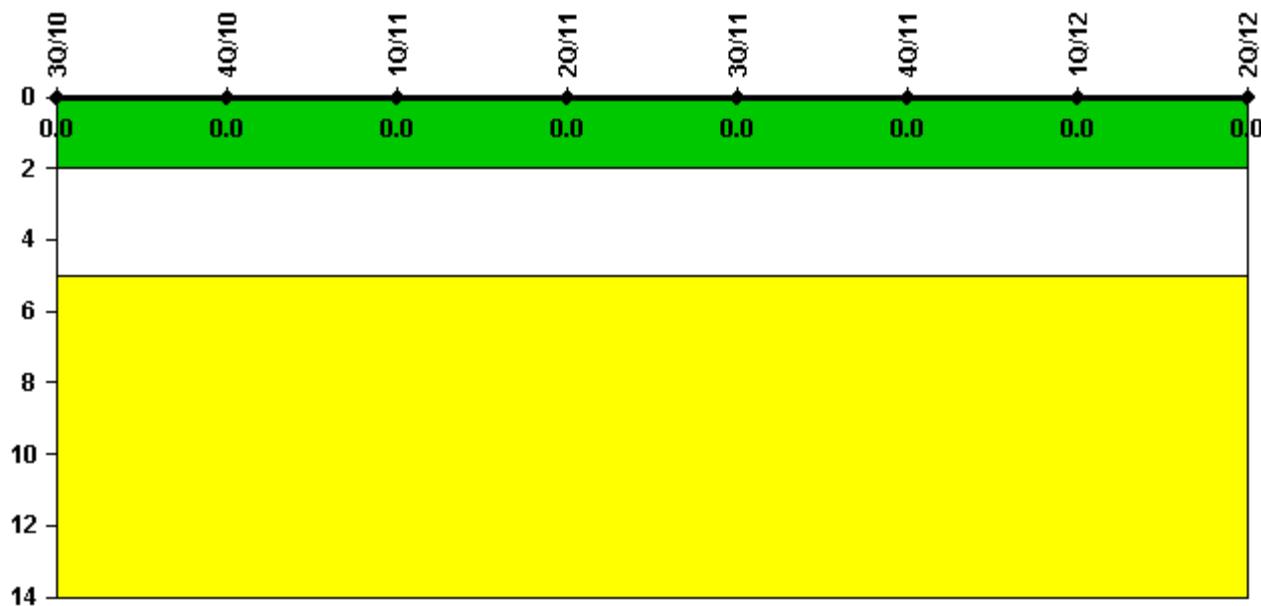
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	747	967	752	967	857	862	863	864
Total sirens-tests	756	972	756	972	864	864	864	864
Indicator value	99.4%	99.3%	99.3%	99.3%	99.4%	99.5%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



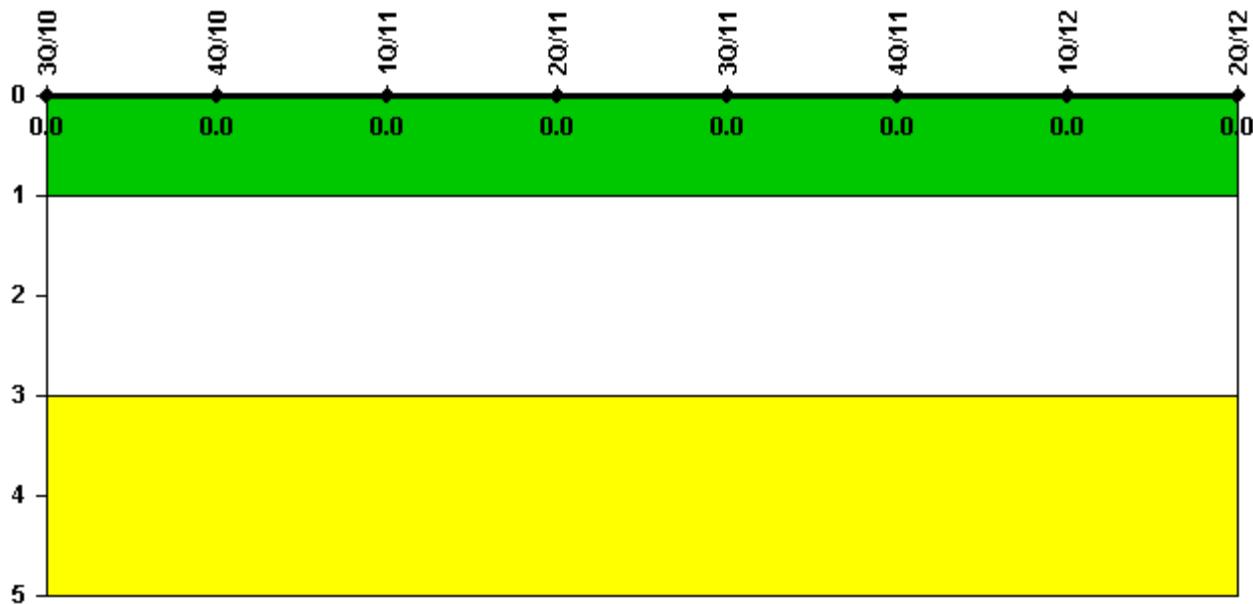
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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.



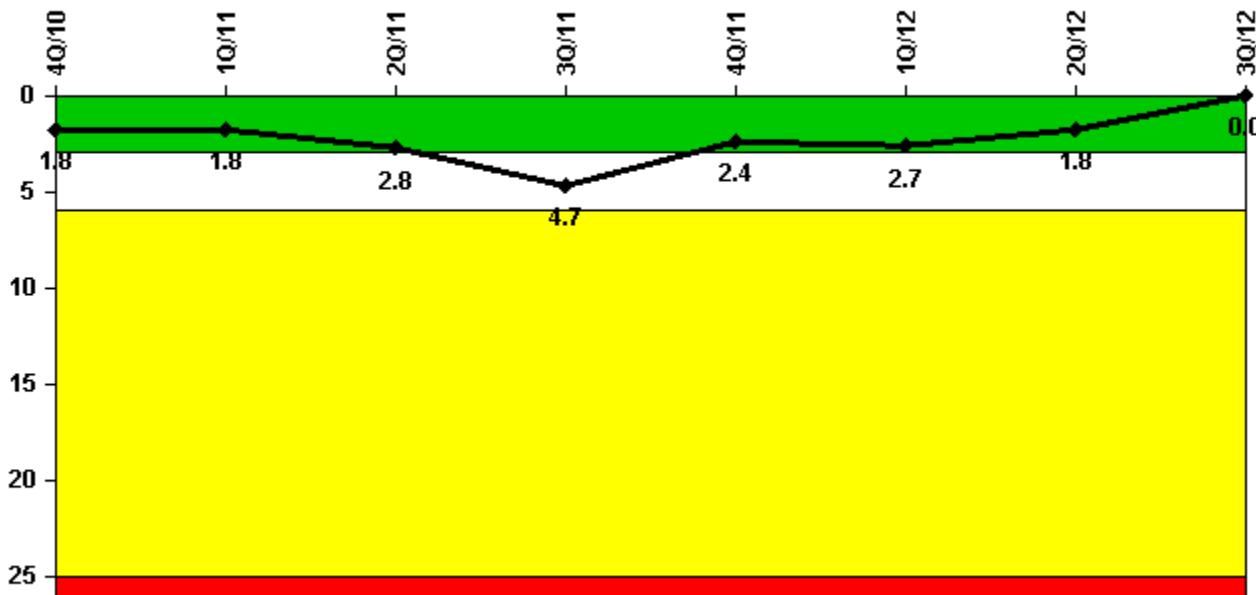
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Sequoyah 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



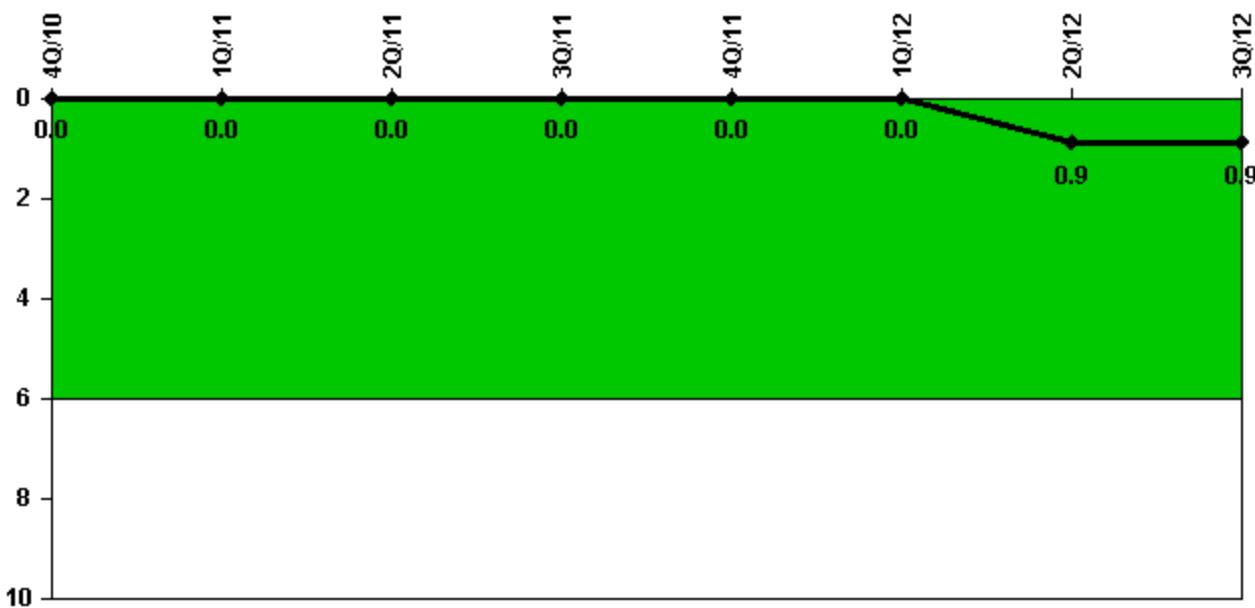
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	1.0	2.0	0	0	0	0
Critical hours	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0
Indicator value	1.8	1.8	2.8	4.7	2.4	2.7	1.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



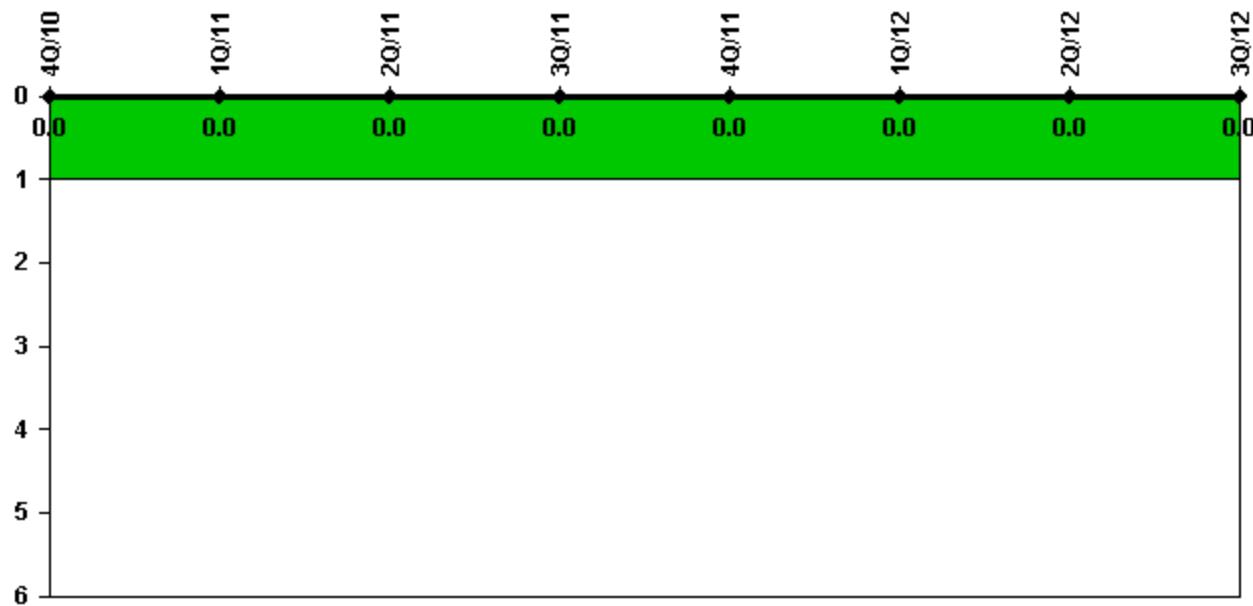
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1022.1	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



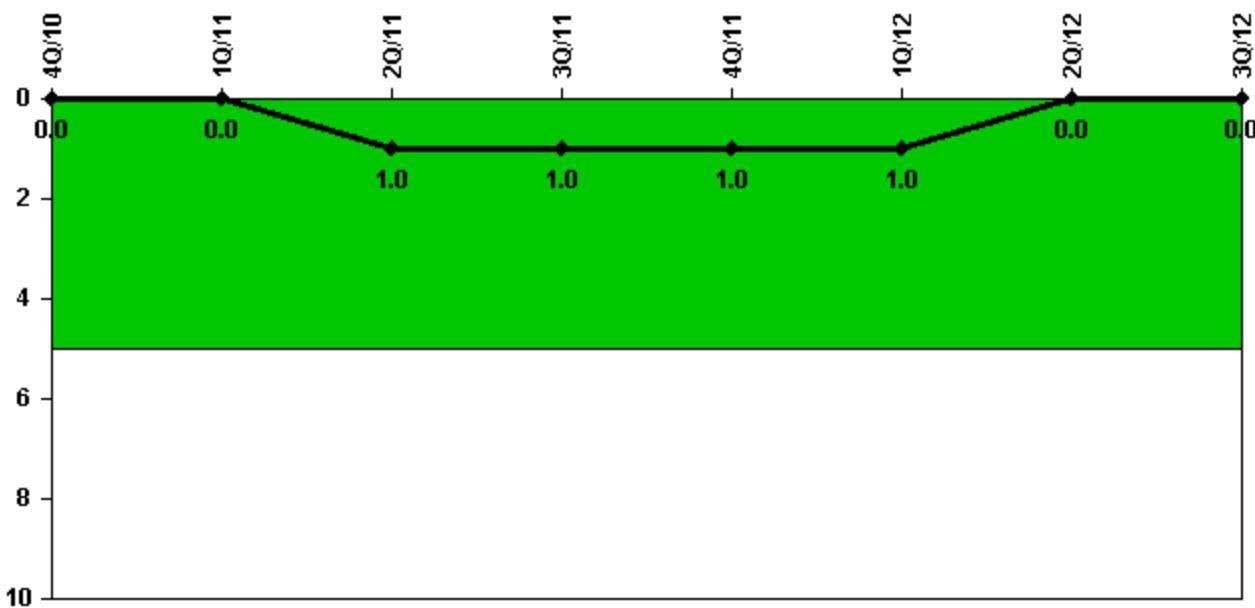
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

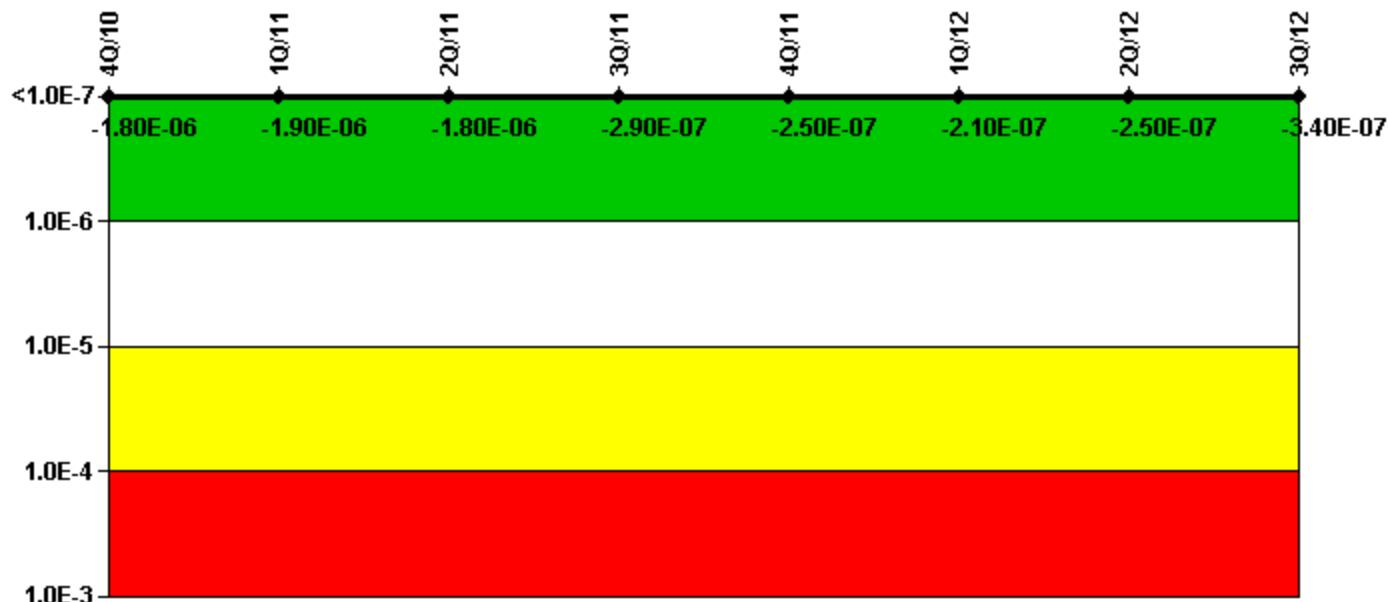
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-1.45E-08	1.02E-08	5.39E-08	-1.17E-08	3.32E-08	6.06E-08	1.63E-08	1.67E-08
URI (Δ CDF)	-1.83E-06	-1.90E-06	-1.90E-06	-2.74E-07	-2.81E-07	-2.72E-07	-2.65E-07	-3.60E-07
PLE	NO							
Indicator value	-1.80E-06	-1.90E-06	-1.80E-06	-2.90E-07	-2.50E-07	-2.10E-07	-2.50E-07	-3.40E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

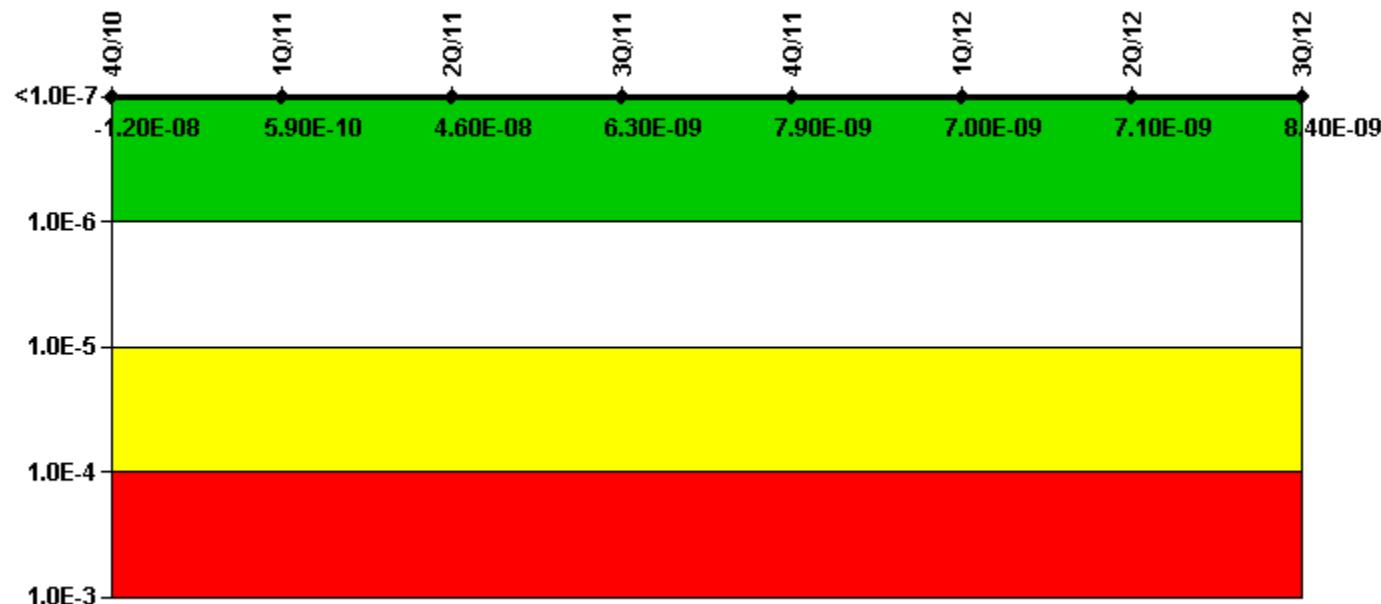
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current

Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	1.59E-07	1.71E-07	2.17E-07	6.73E-09	8.30E-09	7.43E-09	7.49E-09	8.81E-09
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-4.21E-10	-4.22E-10	-4.22E-10	-4.23E-10	-4.24E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	5.90E-10	4.60E-08	6.30E-09	7.90E-09	7.00E-09	7.10E-09	8.40E-09

Licensee Comments:

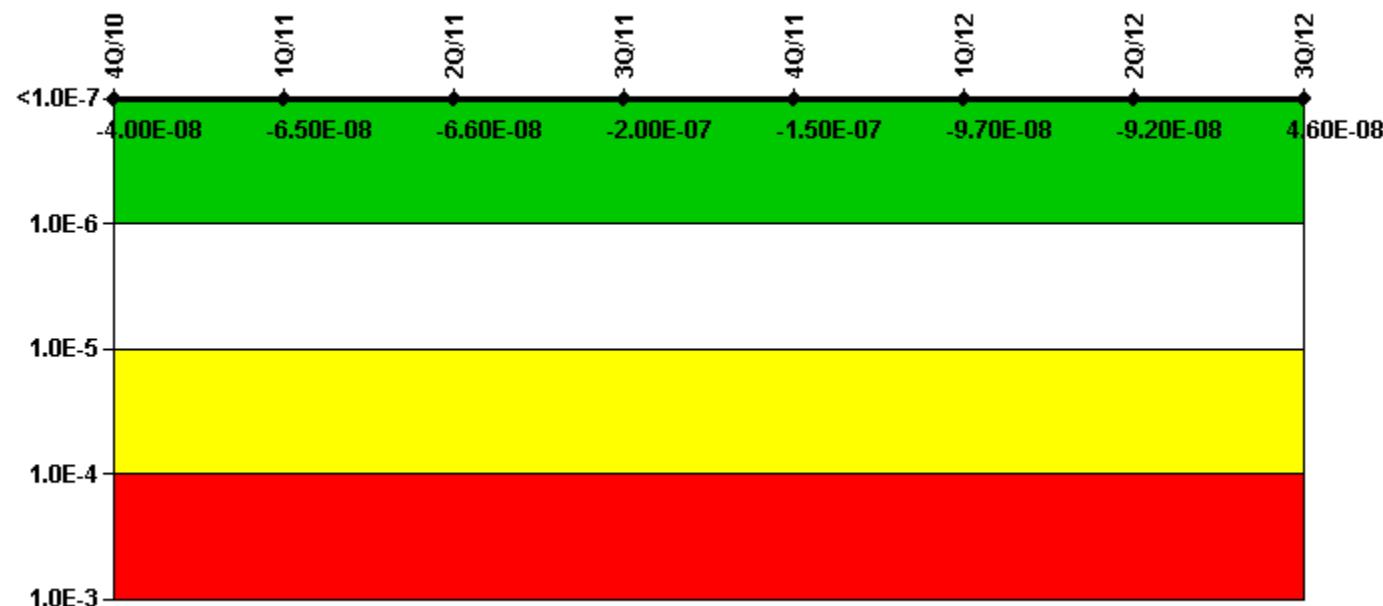
1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	2.86E-08	2.66E-08	2.71E-08	8.35E-08	1.40E-07	1.83E-07	1.83E-07	3.21E-07
URI (Δ CDF)	-6.86E-08	-9.15E-08	-9.31E-08	-2.86E-07	-2.86E-07	-2.80E-07	-2.75E-07	-2.75E-07
PLE	NO							

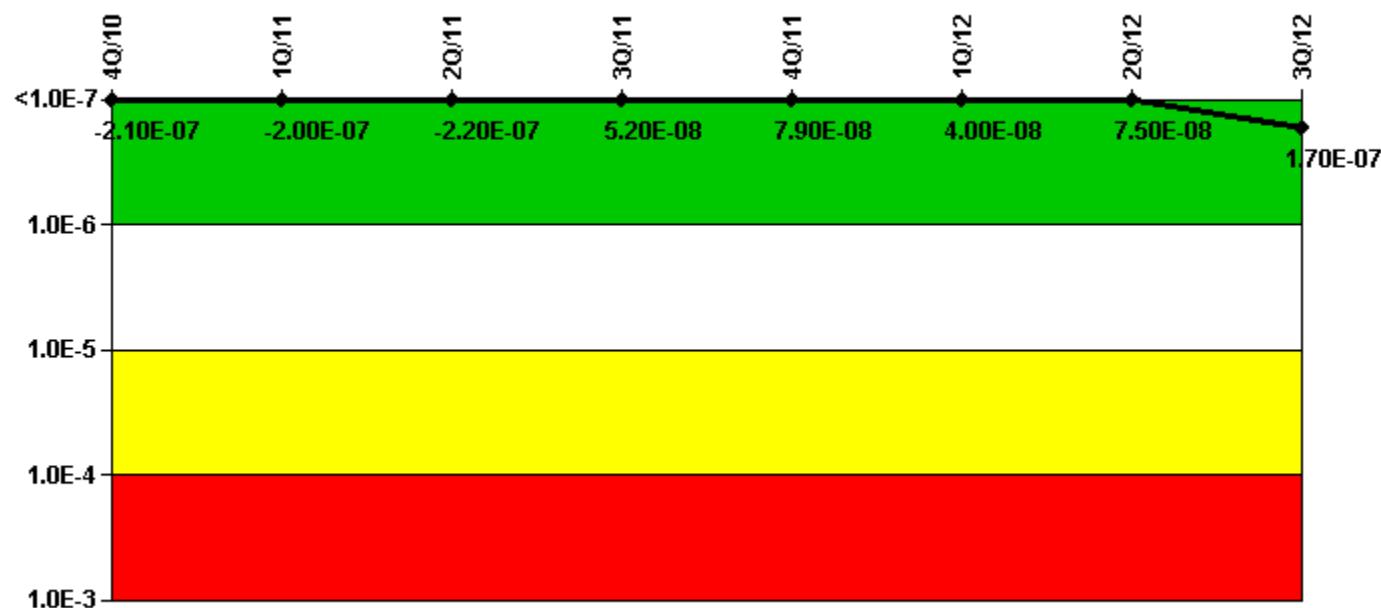
Indicator value	-4.00E-08	-6.50E-08	-6.60E-08	-2.00E-07	-1.50E-07	-9.70E-08	-9.20E-08	4.60E-08
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Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	1.55E-07	1.69E-07	1.44E-07	2.27E-07	2.54E-07	2.14E-07	2.49E-07	3.44E-07
URI (Δ CDF)	-3.66E-07	-3.66E-07	-3.66E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07
PLE	NO							

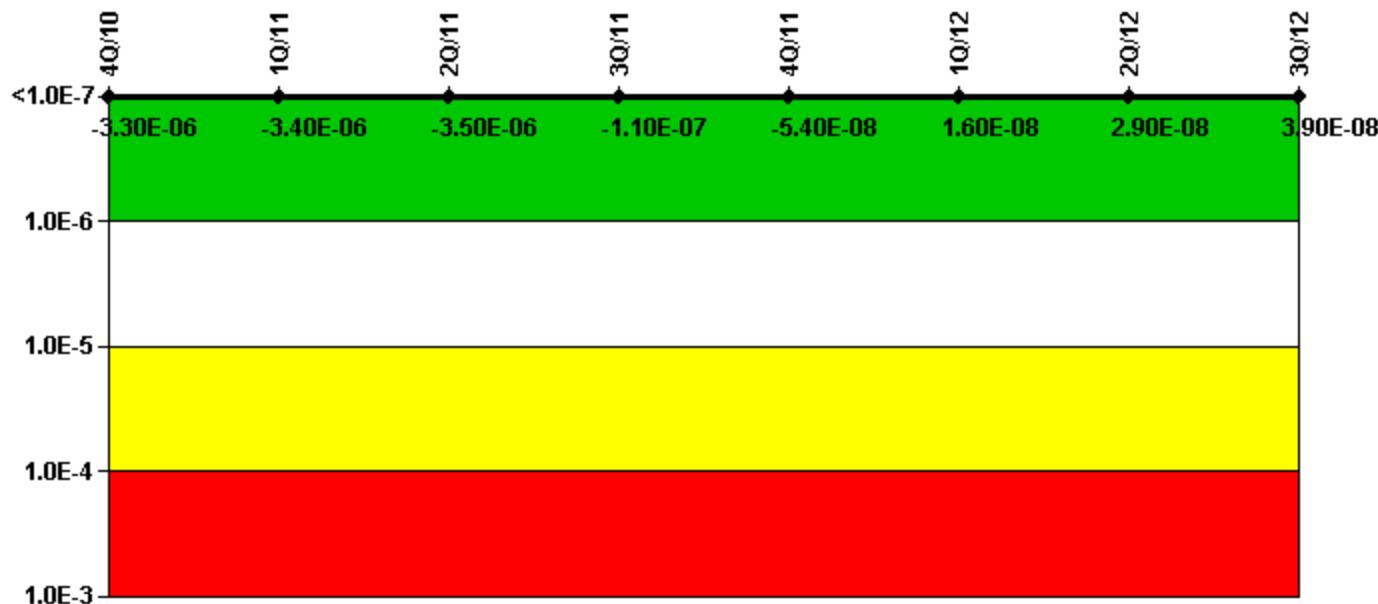
Indicator value	-2.10E-07	-2.00E-07	-2.20E-07	5.20E-08	7.90E-08	4.00E-08	7.50E-08	1.70E-07
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Licensee Comments:

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-3.13E-06	-3.26E-06	-3.26E-06	-3.82E-08	2.09E-08	9.13E-08	1.04E-07	1.14E-07
URI (Δ CDF)	-1.90E-07	-1.90E-07	-1.90E-07	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-06	-3.40E-06	-3.50E-06	-1.10E-07	-5.40E-08	1.60E-08	2.90E-08	3.90E-08

Licensee Comments:

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/10: The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity

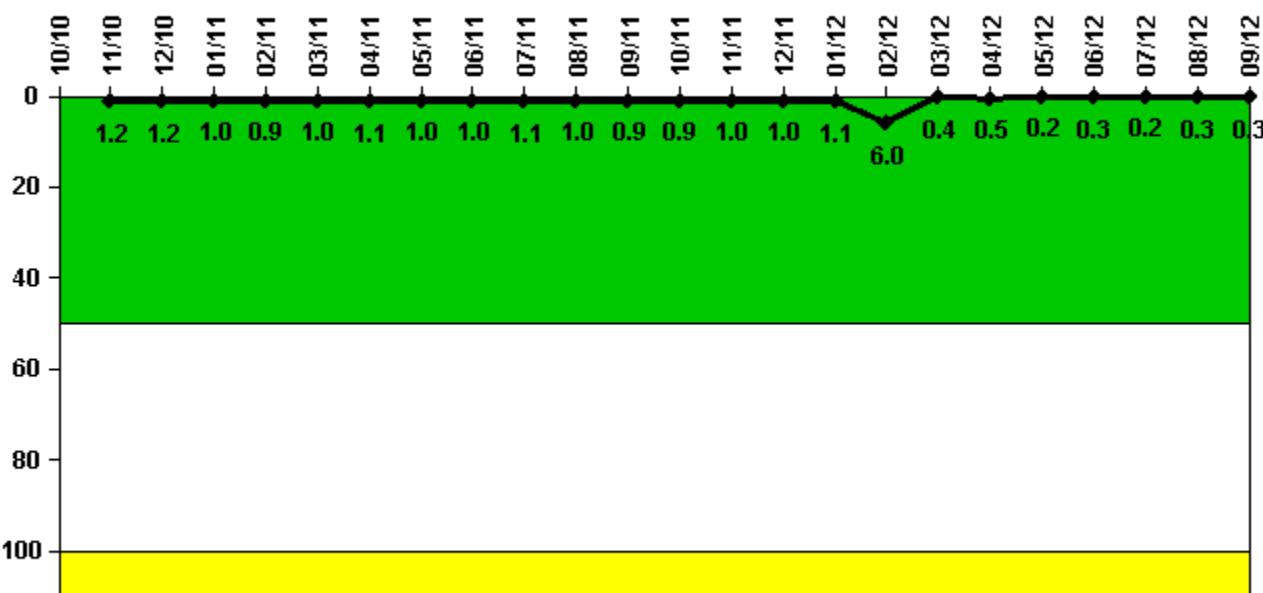


Thresholds: White > 50.0 Yellow > 100.0

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	0.000001	0.000275	0.000453	0.000384	0.000512	0.000384	0.000382	0.000392	0.000474	0.000497	0.000500	0.000499
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	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	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000436	0.004270	0.000609	0.000584	0.001269	N/A	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	1.2	0.2	0.2	0.4	N/A	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

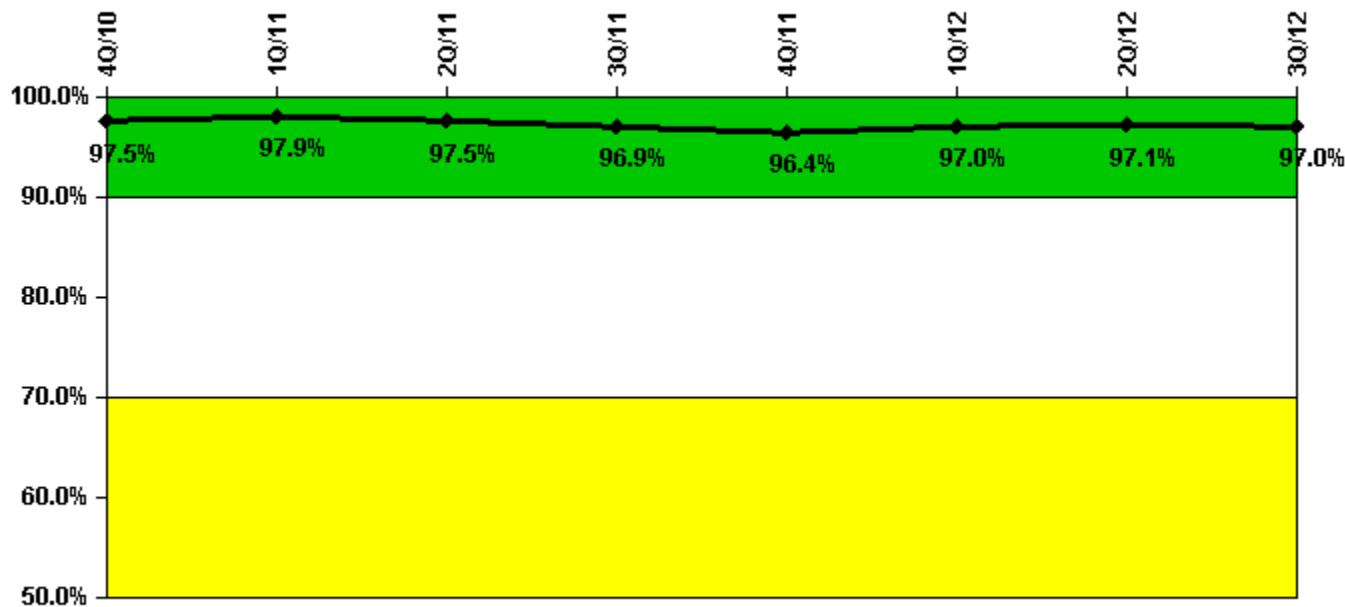
Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	N/A	0.120	0.120	0.100	0.090	0.100	0.110	0.100	0.100	0.110	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	1.2	1.2	1.0	0.9	1.0	1.1	1.0	1.0	1.1	1.0	0.9
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	0.090	0.100	0.100	0.110	0.600	0.040	0.050	0.020	0.030	0.020	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.0	1.0	1.1	6.0	0.4	0.5	0.2	0.3	0.2	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

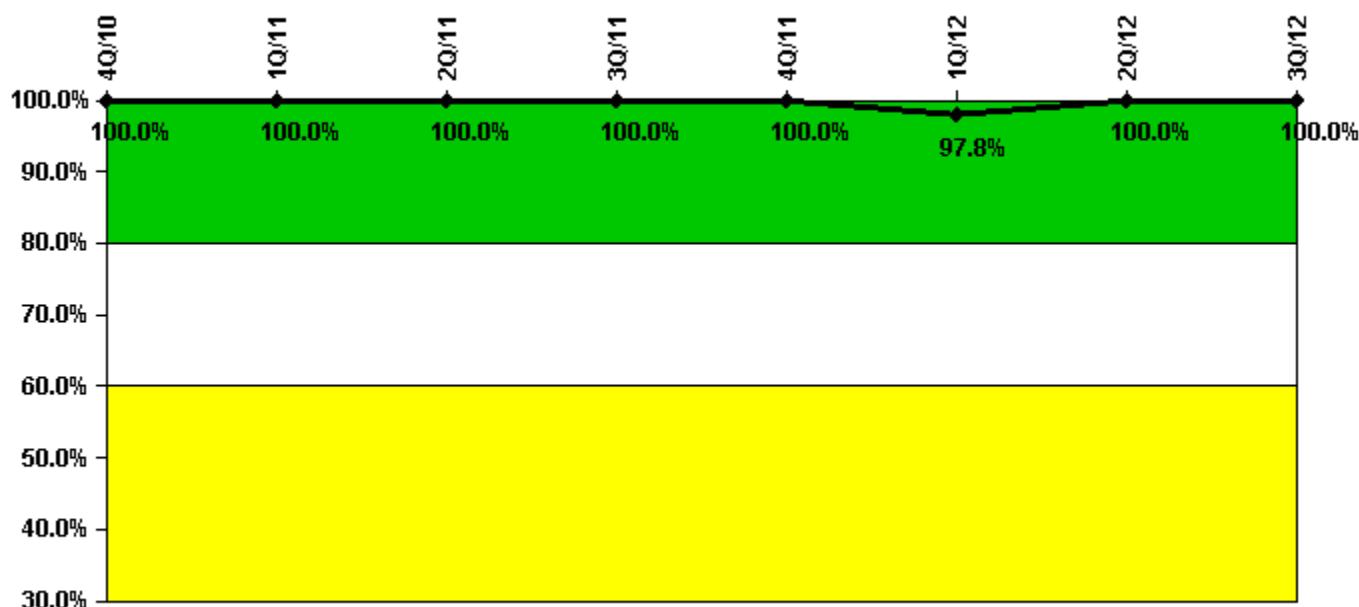
Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	45.0	18.0	4.0	34.0	70.0	6.0	32.0	87.0
Total opportunities	46.0	18.0	4.0	36.0	73.0	6.0	32.0	90.0

Indicator value	97.5%	97.9%	97.5%	96.9%	96.4%	97.0%	97.1%	97.0%
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Licensee Comments: none

ERO Drill Participation



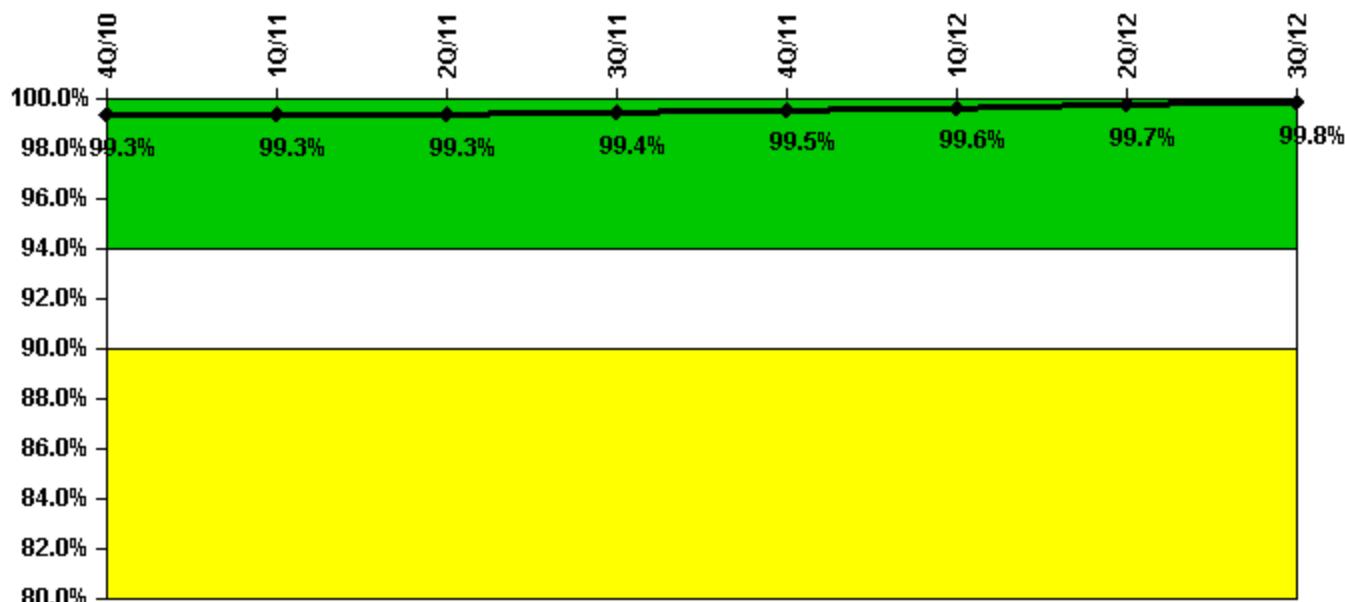
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	70.0	78.0	75.0	74.0	90.0	88.0	99.0	97.0
Total Key personnel	70.0	78.0	75.0	74.0	90.0	90.0	99.0	97.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	97.8%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



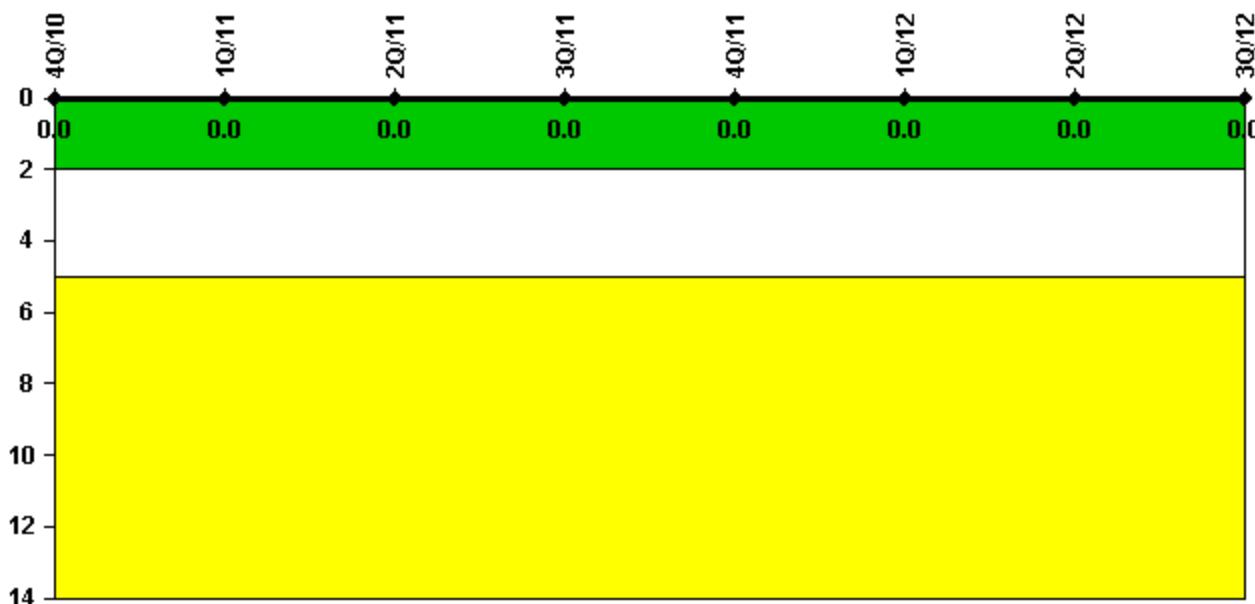
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	967	752	967	857	862	863	864	861
Total sirens-tests	972	756	972	864	864	864	864	864
Indicator value	99.3%	99.3%	99.3%	99.4%	99.5%	99.6%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



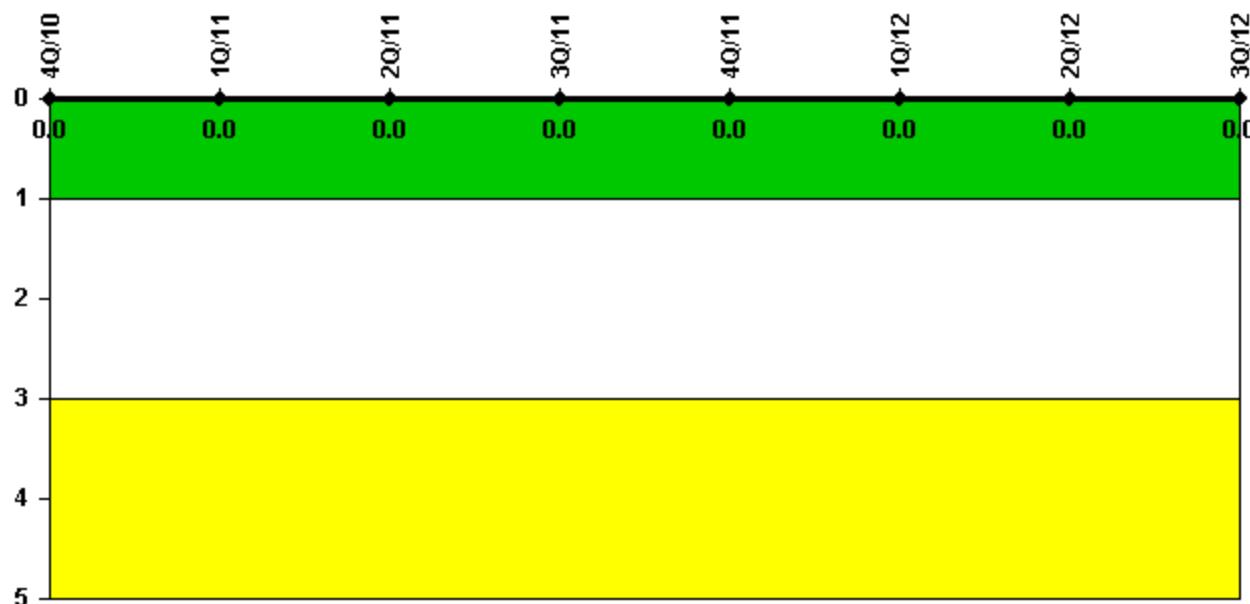
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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](#)

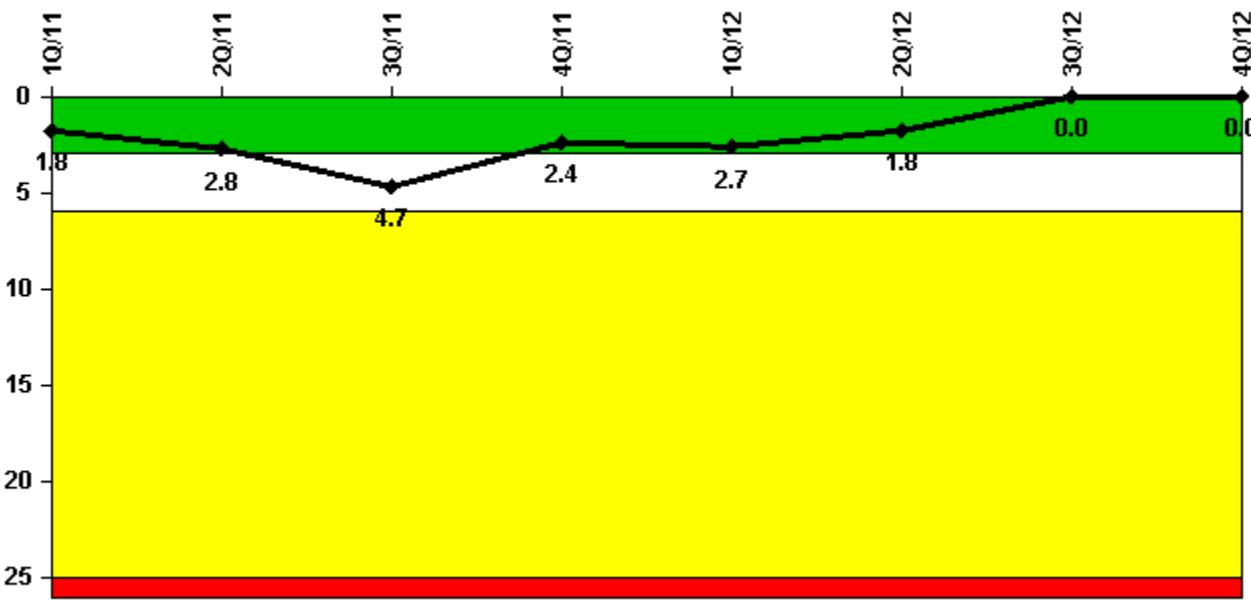
Last Modified: October 24, 2012

Sequoyah 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

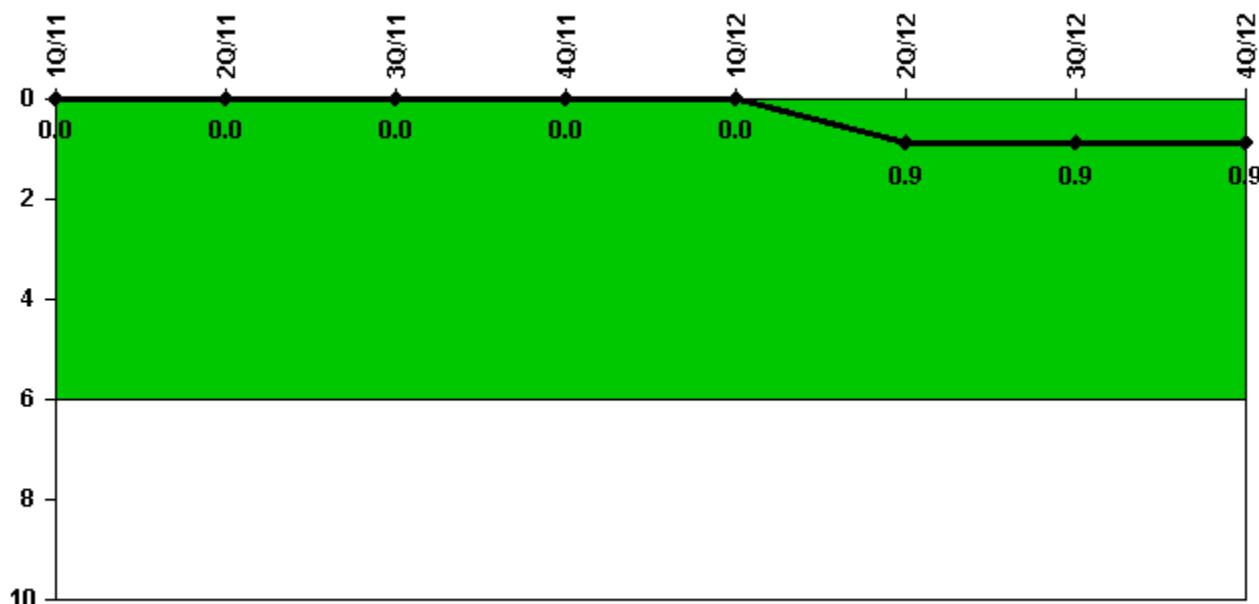


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	2.0	0	0	0	0	0
Critical hours	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0
Indicator value	1.8	2.8	4.7	2.4	2.7	1.8	0	0

Licensee Comments: none

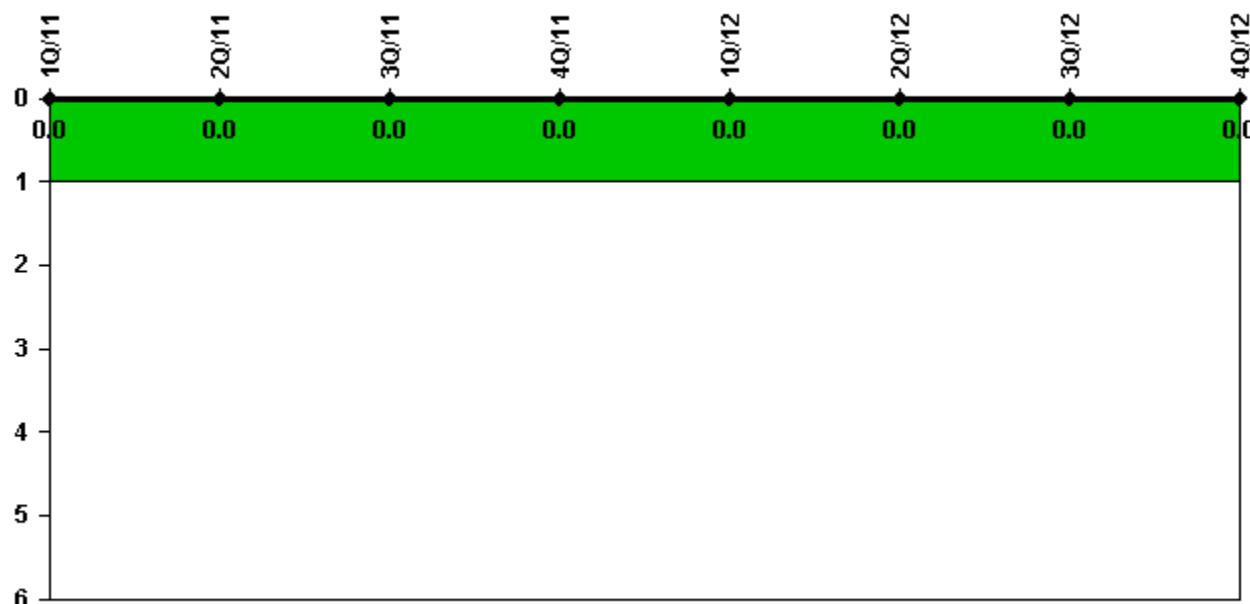
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications

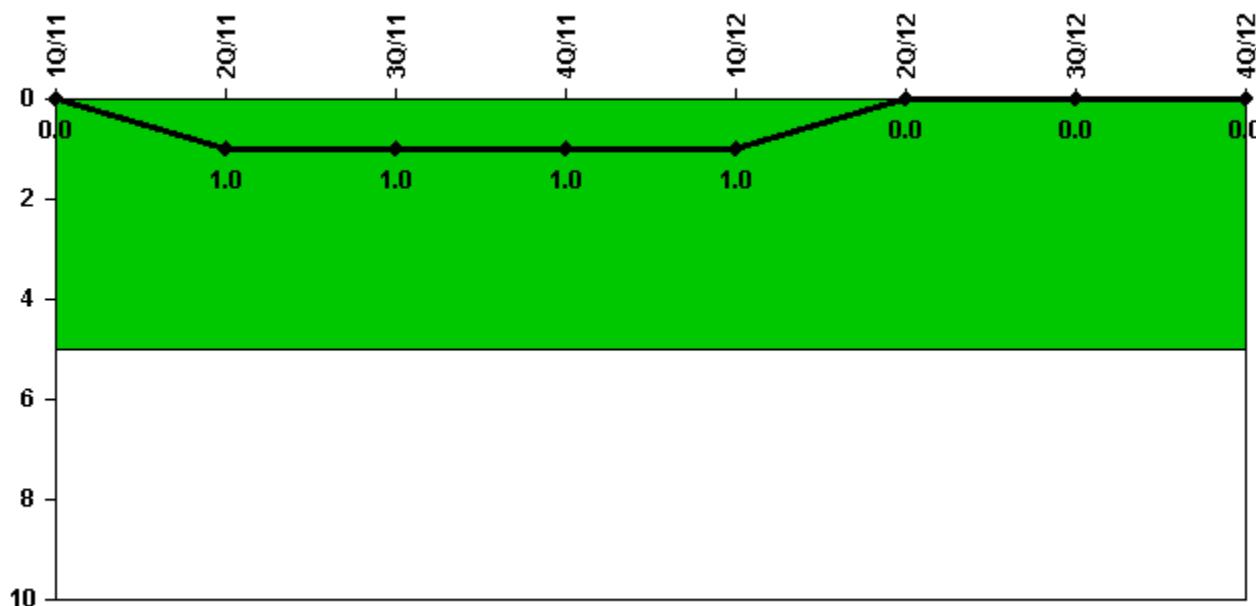
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

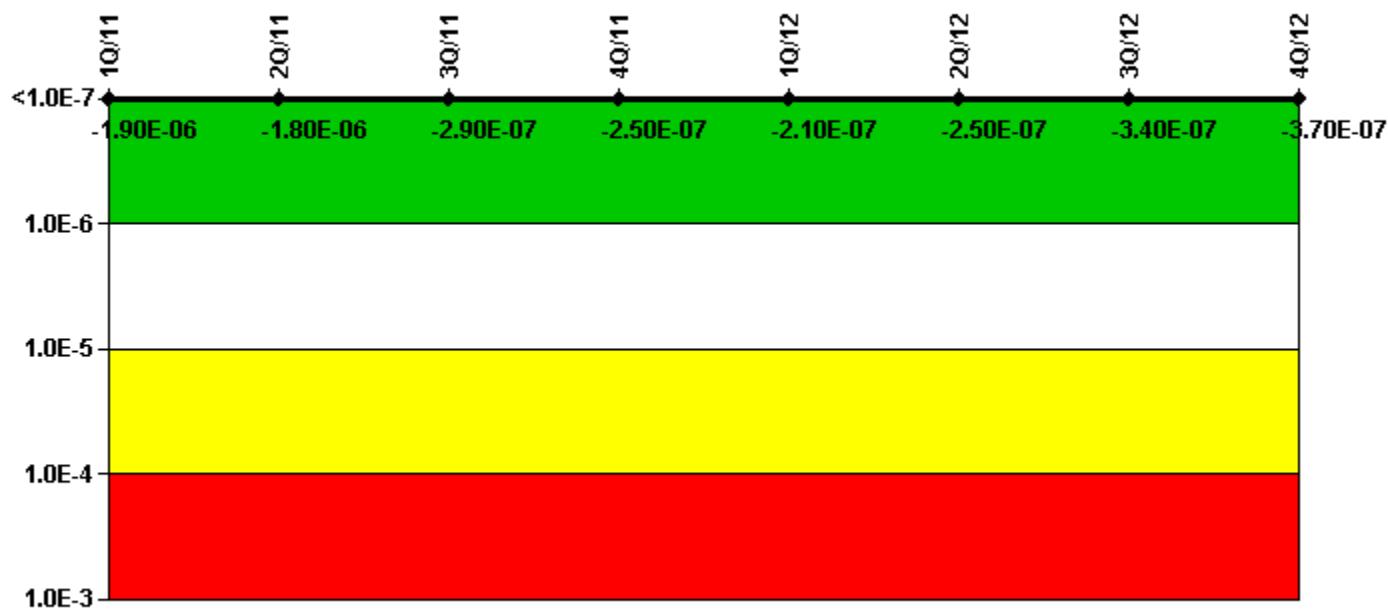
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	1.02E-08	5.39E-08	-1.17E-08	3.32E-08	6.06E-08	1.63E-08	1.67E-08	2.54E-08
URI (Δ CDF)	-1.90E-06	-1.90E-06	-2.74E-07	-2.81E-07	-2.72E-07	-2.65E-07	-3.60E-07	-3.95E-07
PLE	NO							
Indicator value	-1.90E-06	-1.80E-06	-2.90E-07	-2.50E-07	-2.10E-07	-2.50E-07	-3.40E-07	-3.70E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

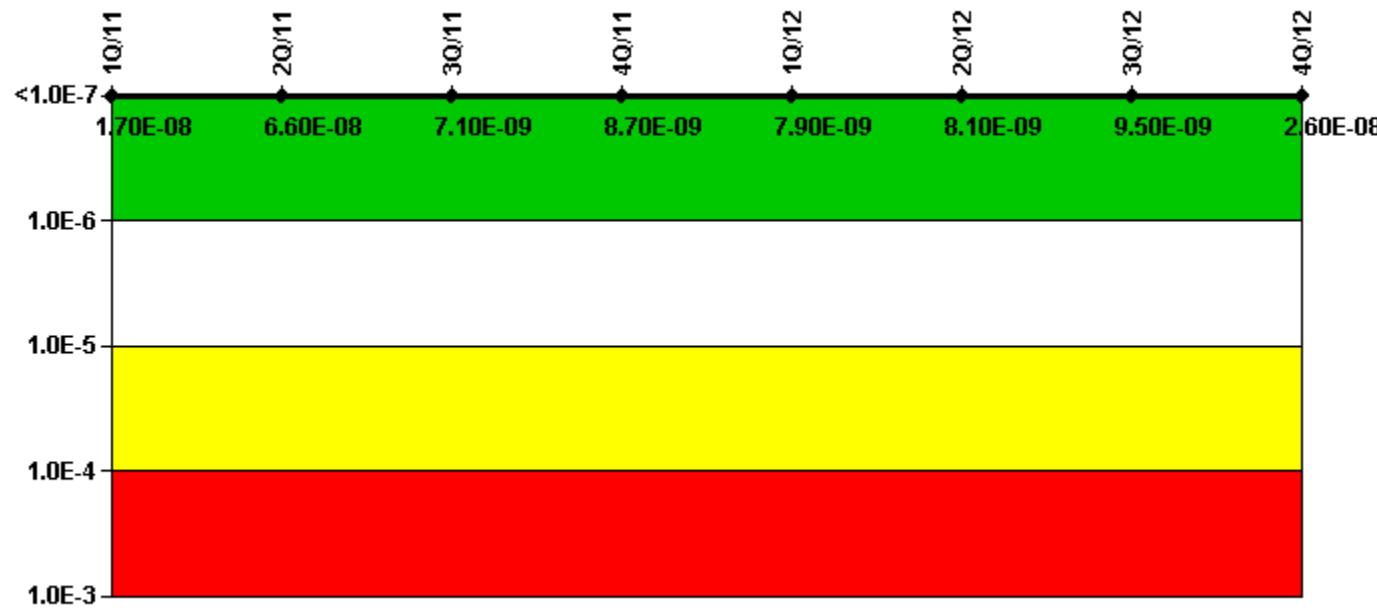
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using

the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	1.88E-07	2.36E-07	7.48E-09	9.17E-09	8.35E-09	8.54E-09	9.93E-09	2.62E-08
URI (Δ CDF)	-1.71E-07	-1.71E-07	-4.21E-10	-4.22E-10	-4.22E-10	-4.23E-10	-4.24E-10	-6.33E-10
PLE	NO							
Indicator value	1.70E-08	6.60E-08	7.10E-09	8.70E-09	7.90E-09	8.10E-09	9.50E-09	2.60E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd

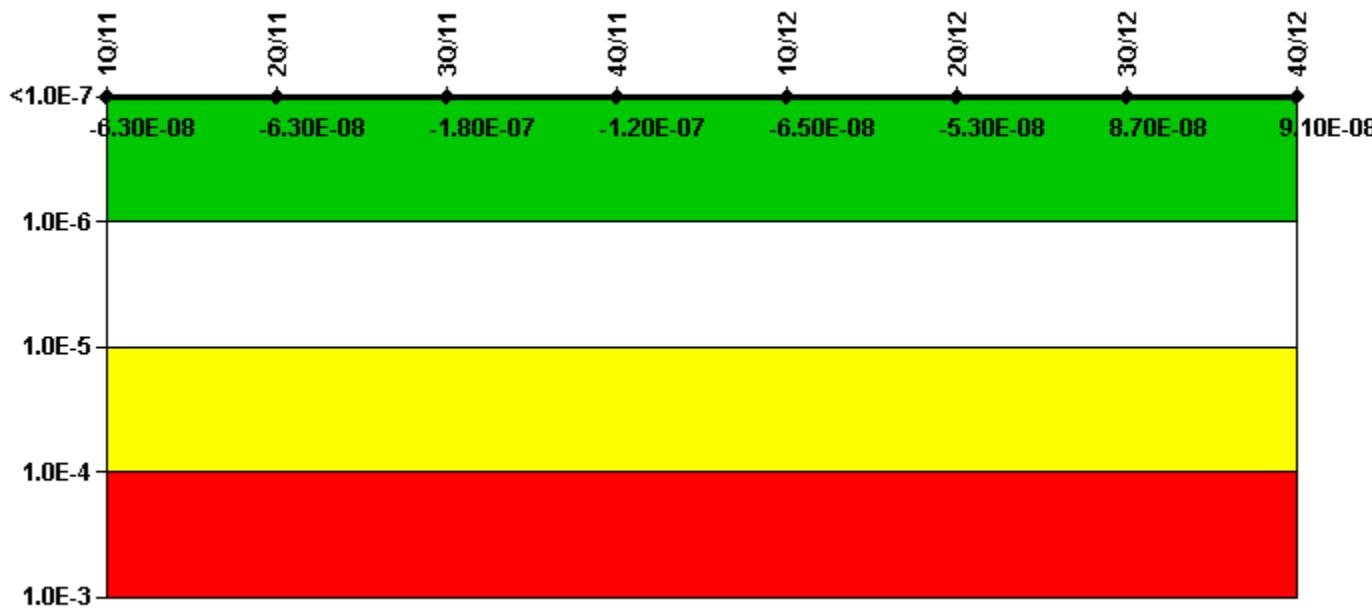
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	2.87E-08	3.00E-08	1.08E-07	1.64E-07	2.15E-07	2.23E-07	3.62E-07	2.23E-07
URI (Δ CDF)	-9.15E-08	-9.31E-08	-2.86E-07	-2.86E-07	-2.80E-07	-2.75E-07	-2.75E-07	-1.32E-07

4Q/2012 Performance Indicators - Sequoyah 1

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.30E-08	-6.30E-08	-1.80E-07	-1.20E-07	-6.50E-08	-5.30E-08	8.70E-08	9.10E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

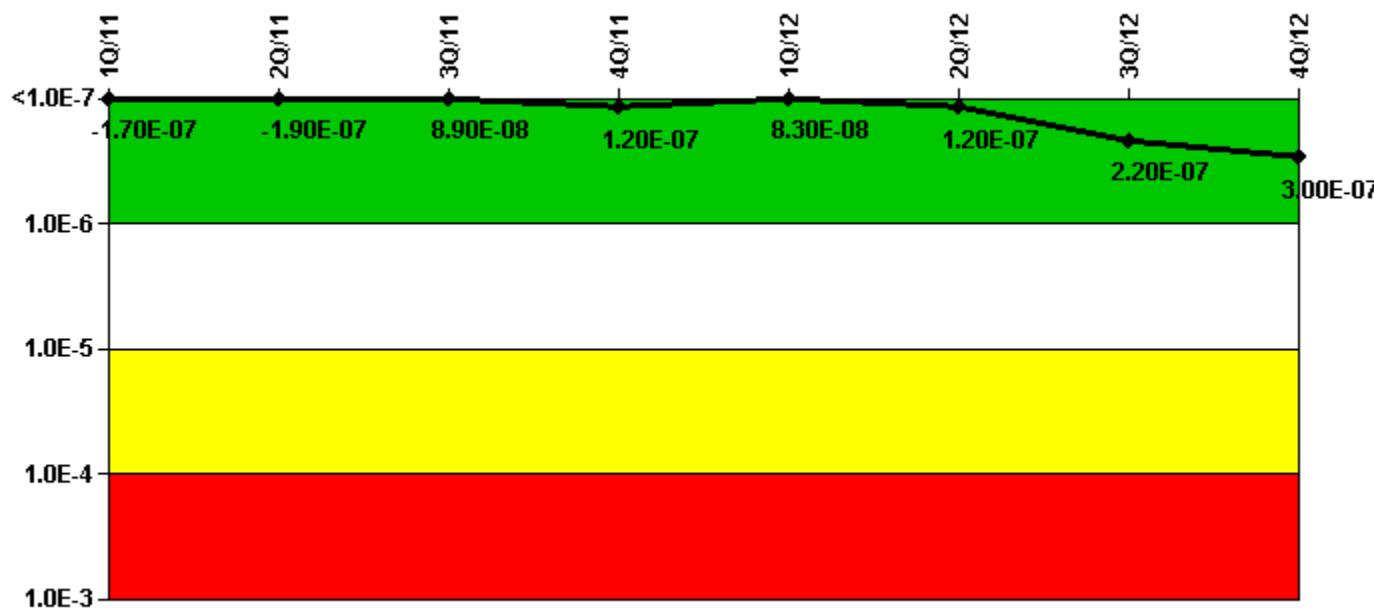
1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

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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)	1.97E-07	1.78E-07	2.64E-07	2.94E-07	2.58E-07	2.95E-07	3.92E-07	5.08E-07
URI (Δ CDF)	-3.66E-07	-3.66E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-07	-1.90E-07	8.90E-08	1.20E-07	8.30E-08	1.20E-07	2.20E-07	3.00E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

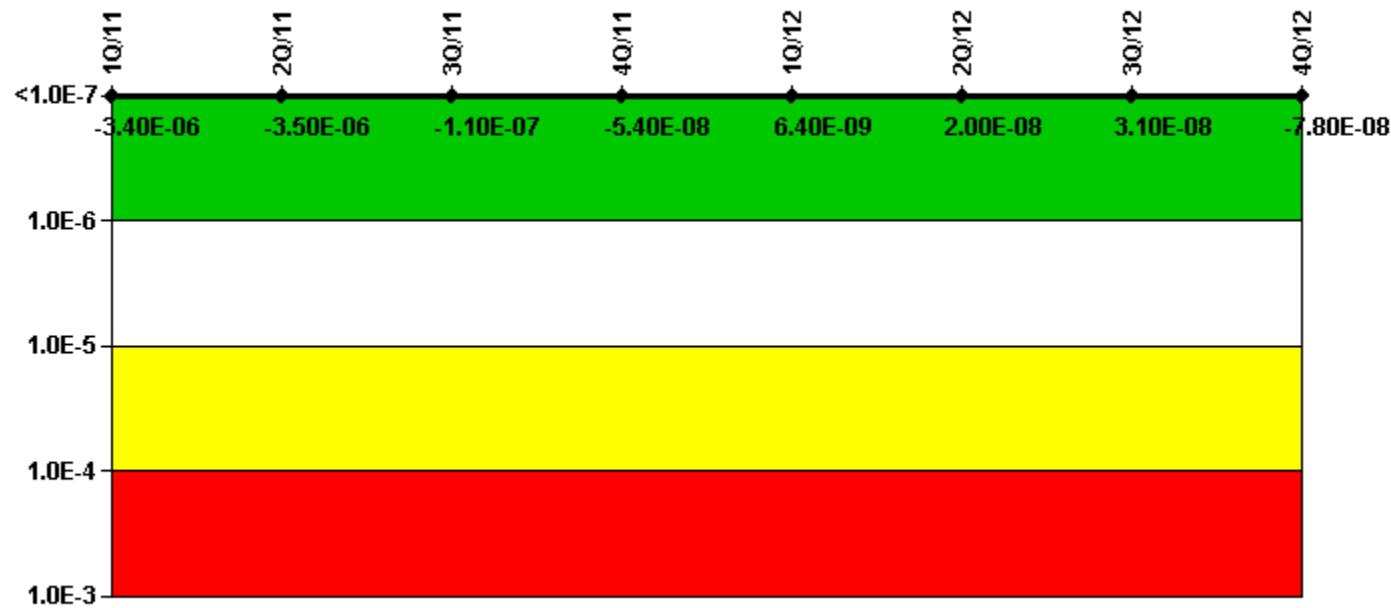
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Mitigating Systems Performance Index, Cooling Water Systems



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)	-3.26E-06	-3.26E-06	-3.82E-08	2.07E-08	8.12E-08	9.48E-08	1.06E-07	5.07E-08
URI (Δ CDF)	-1.90E-07	-1.90E-07	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.40E-06	-3.50E-06	-1.10E-07	-5.40E-08	6.40E-09	2.00E-08	3.10E-08	-7.80E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/2012 Performance Indicators - Sequoyah 1

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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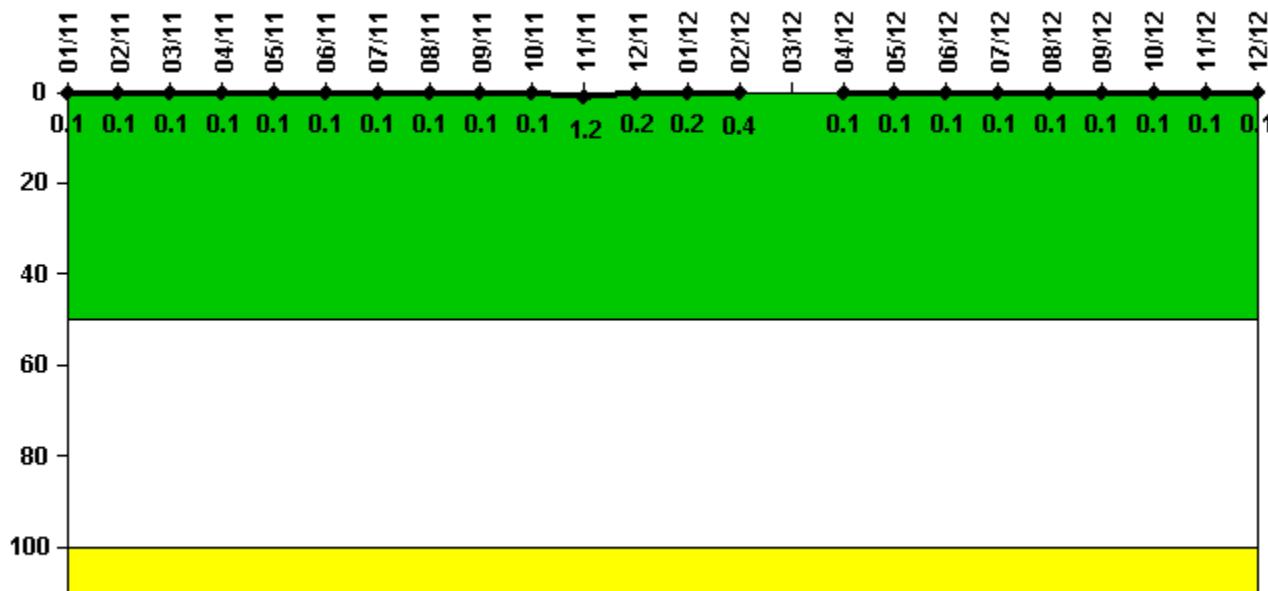
1Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

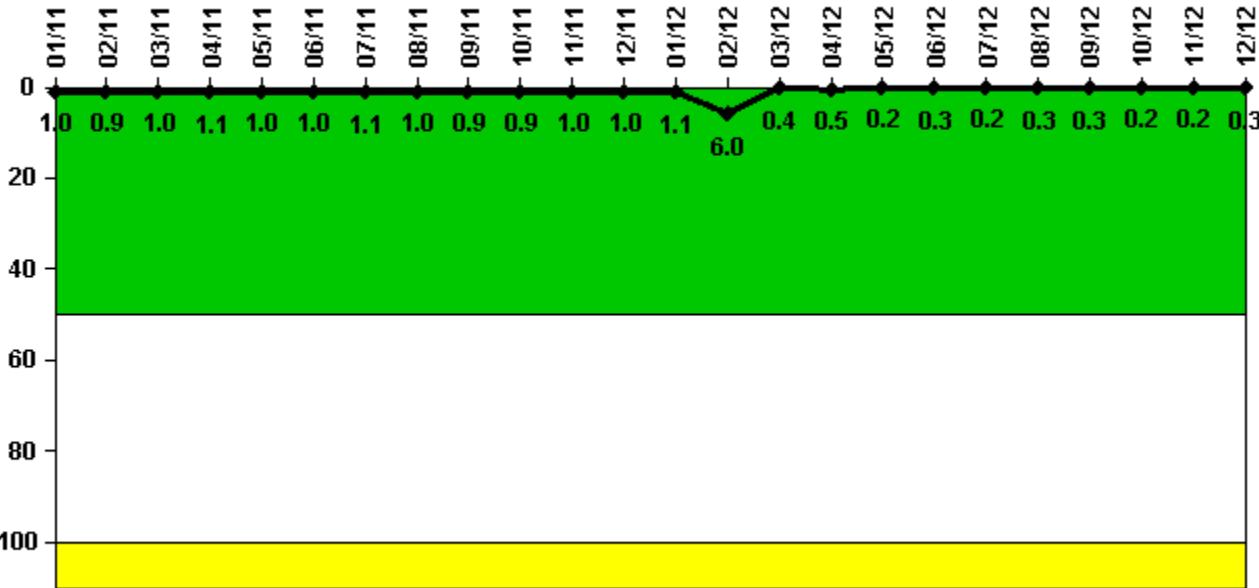
Reactor Coolant System												
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4Q/2012 Performance Indicators - Sequoyah 1

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	0.000384	0.000512	0.000384	0.000382	0.000392	0.000474	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	1.2	0.2									
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	0.000584	0.001269	N/A	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.4	N/A	0.1								

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

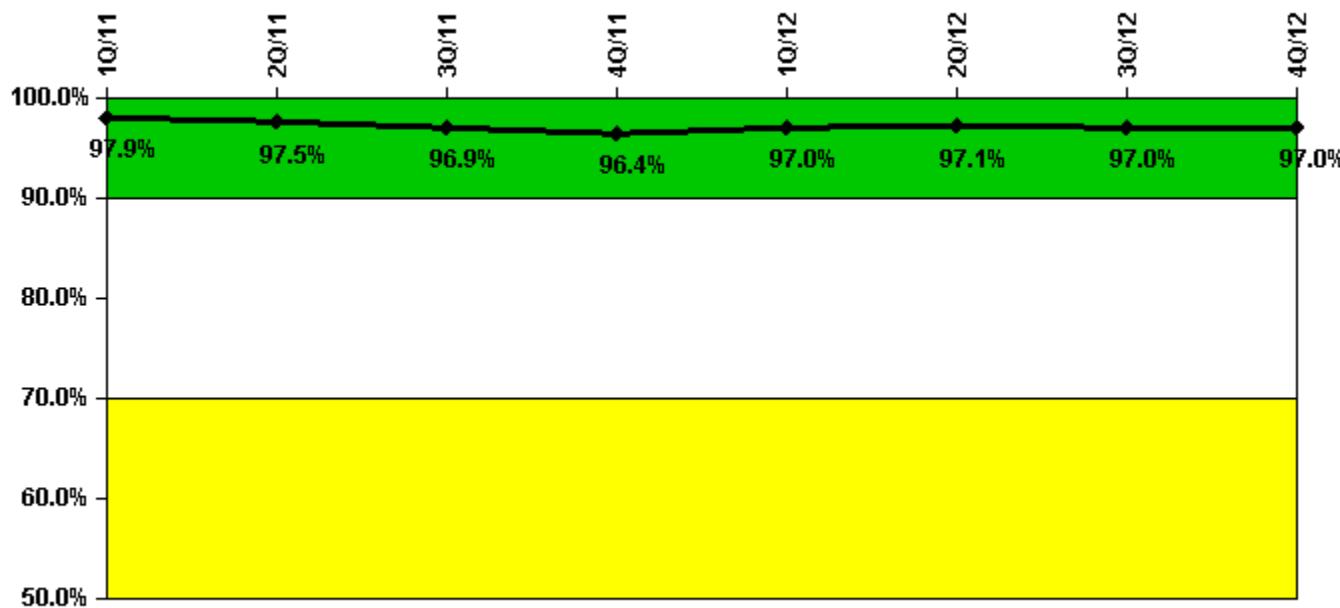
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.100	0.090	0.100	0.110	0.100	0.100	0.110	0.100	0.090	0.090	0.100	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.9	1.0	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	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

4Q/2012 Performance Indicators - Sequoyah 1

Maximum leakage	0.110	0.600	0.040	0.050	0.020	0.030	0.020	0.030	0.030	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	6.0	0.4	0.5	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance

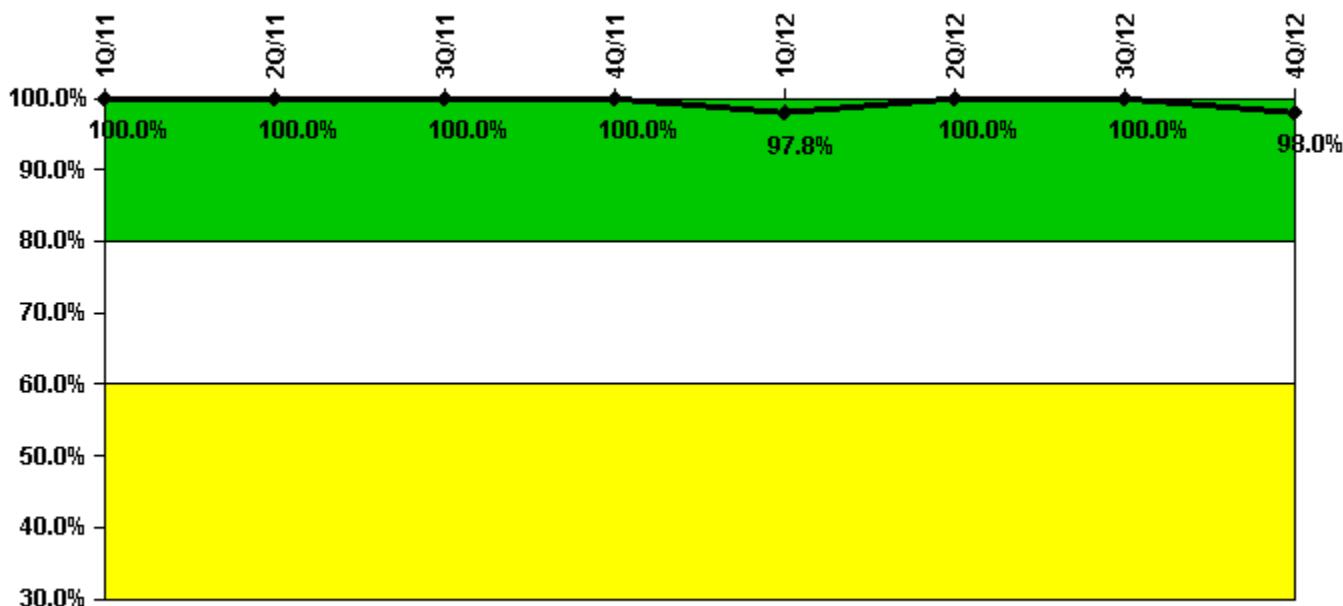


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	18.0	4.0	34.0	70.0	6.0	32.0	87.0	10.0
Total opportunities	18.0	4.0	36.0	73.0	6.0	32.0	90.0	10.0
Indicator value	97.9%	97.5%	96.9%	96.4%	97.0%	97.1%	97.0%	97.0%

Licensee Comments: none

ERO Drill Participation

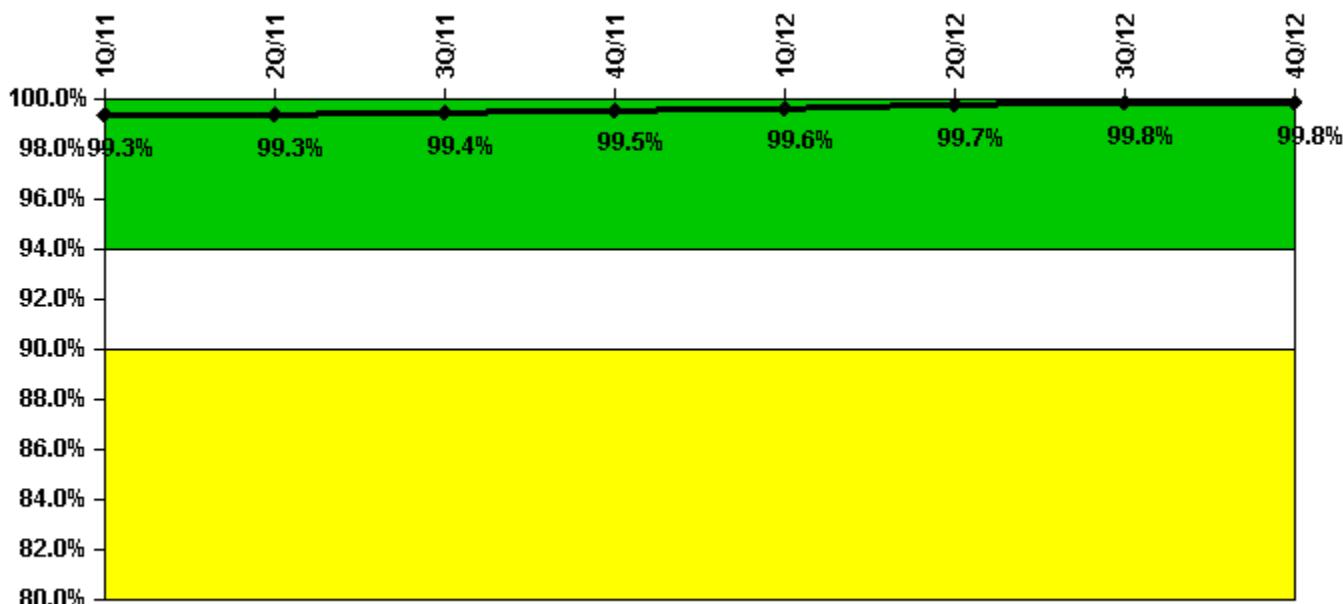
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	78.0	75.0	74.0	90.0	88.0	99.0	97.0	99.0
Total Key personnel	78.0	75.0	74.0	90.0	90.0	99.0	97.0	101.0
Indicator value	100.0%	100.0%	100.0%	100.0%	97.8%	100.0%	100.0%	98.0%

Licensee Comments: none

Alert & Notification System



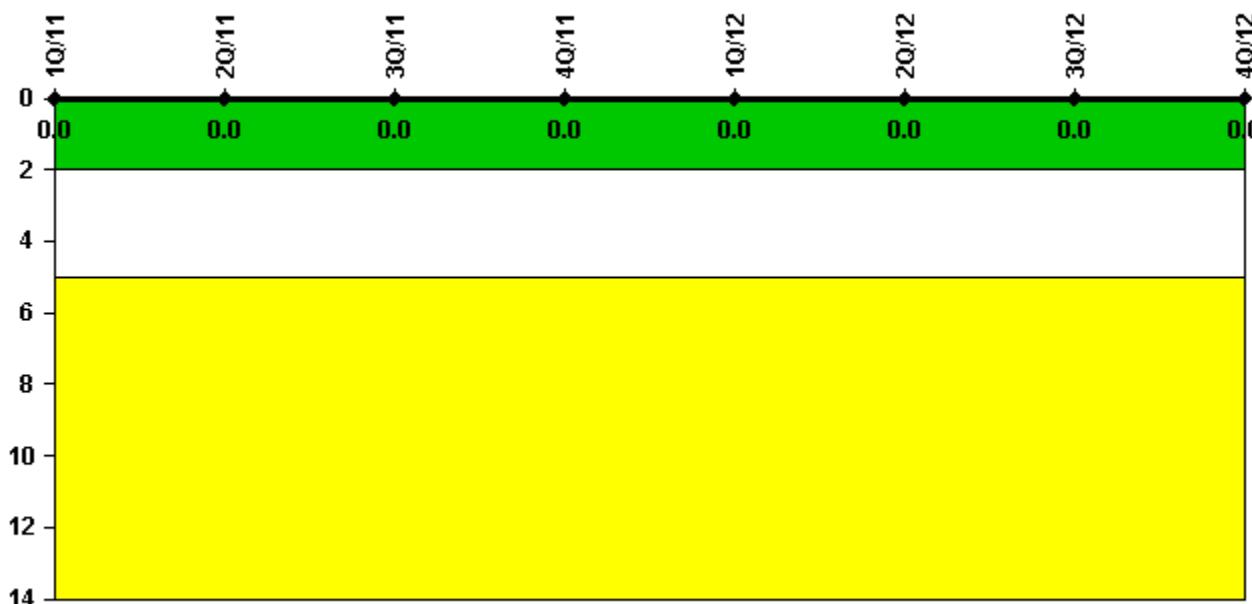
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	752	967	857	862	863	864	861	753
Total sirens-tests	756	972	864	864	864	864	864	755
Indicator value	99.3%	99.3%	99.4%	99.5%	99.6%	99.7%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

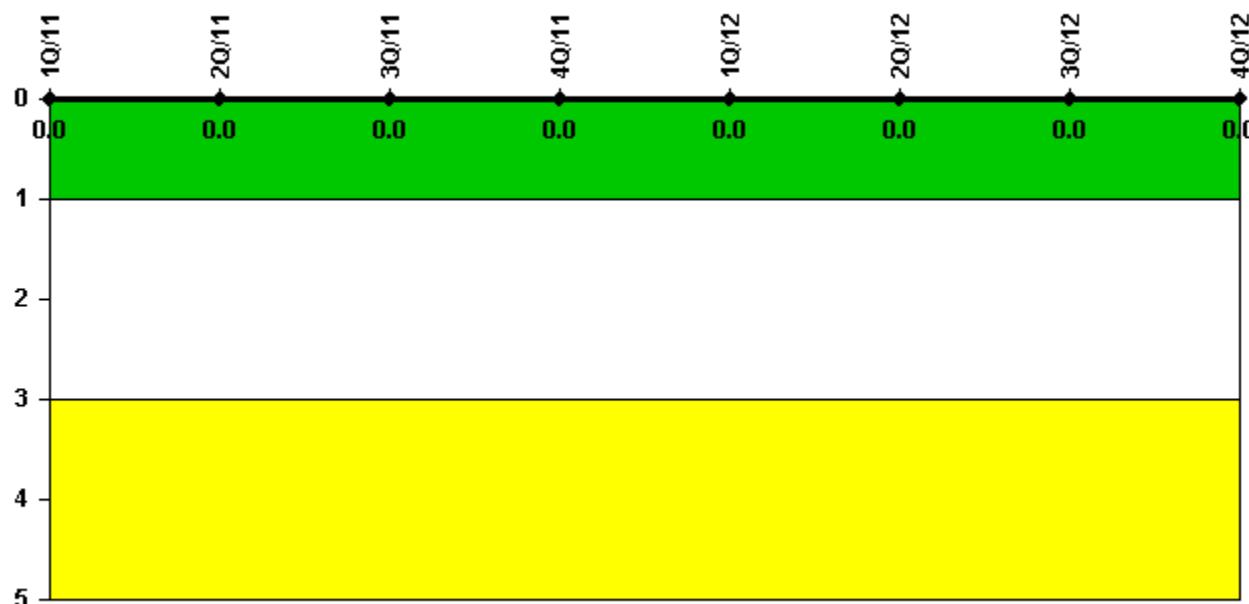


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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.



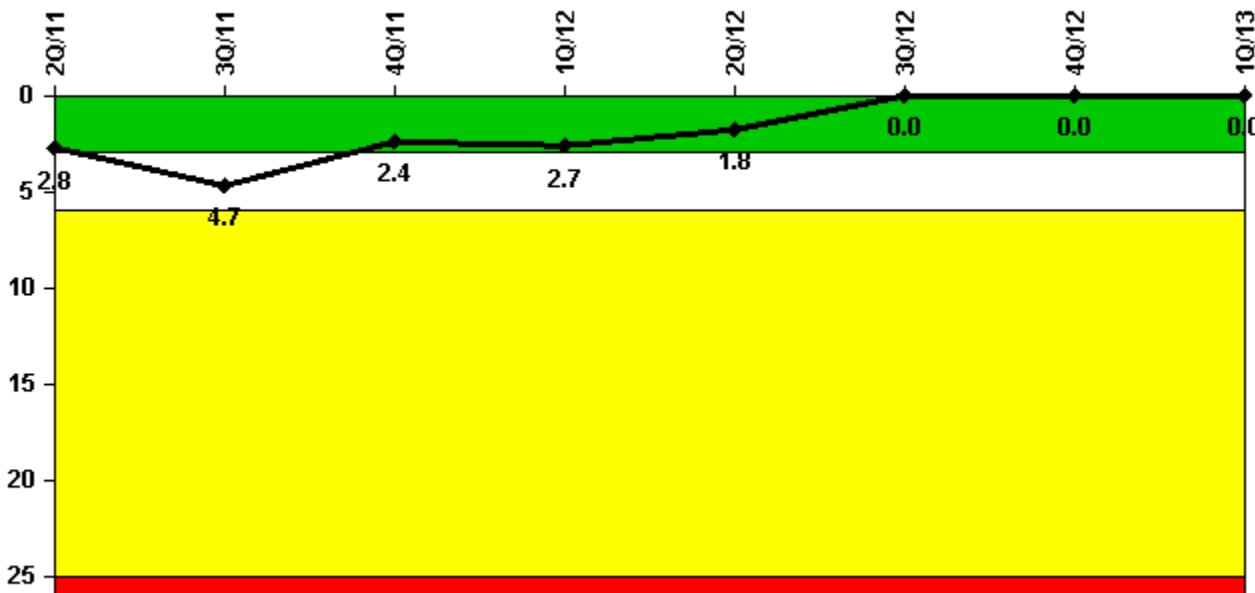
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Sequoyah 1

1Q/2013 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



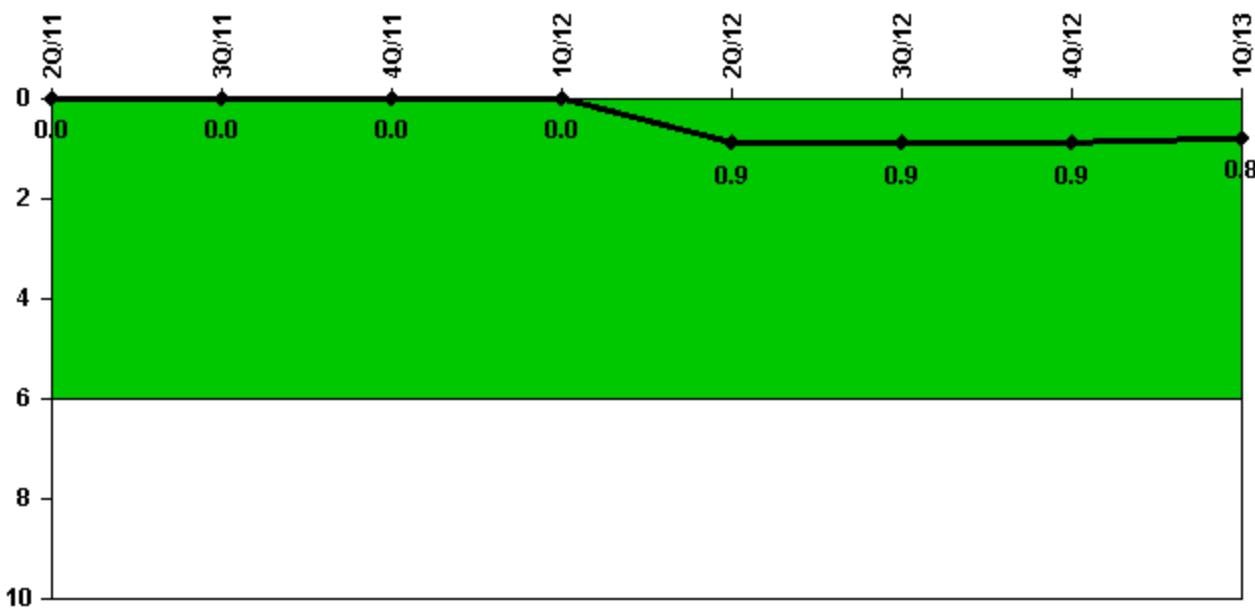
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	2.0	0	0	0	0	0	0
Critical hours	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0
Indicator value	2.8	4.7	2.4	2.7	1.8	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

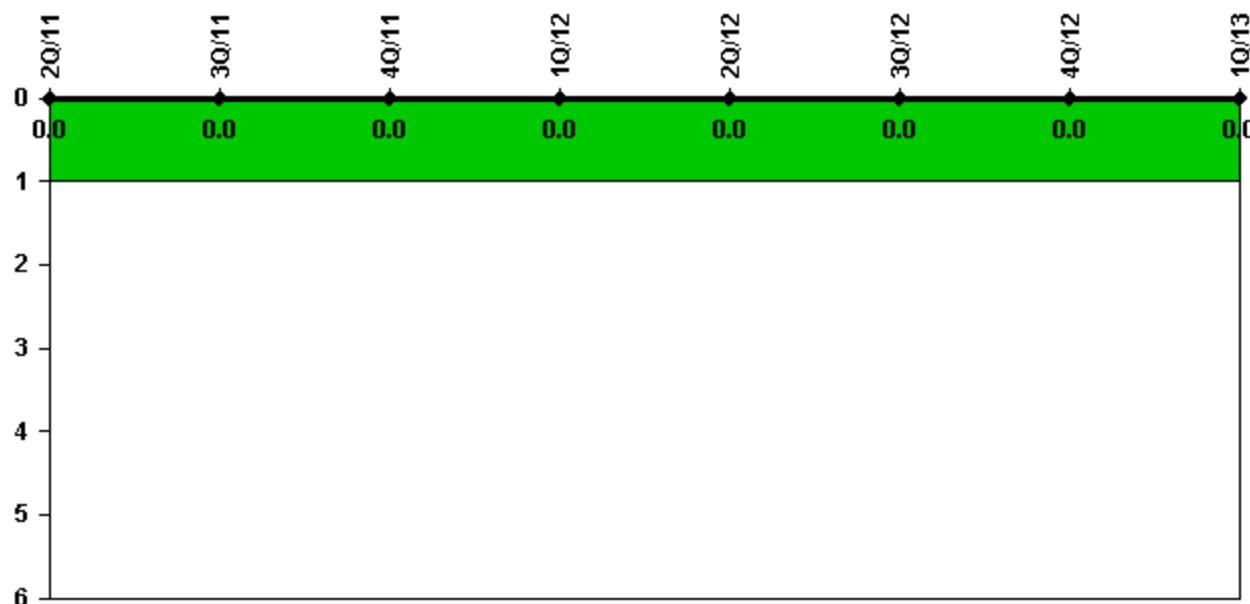


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2155.8	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications

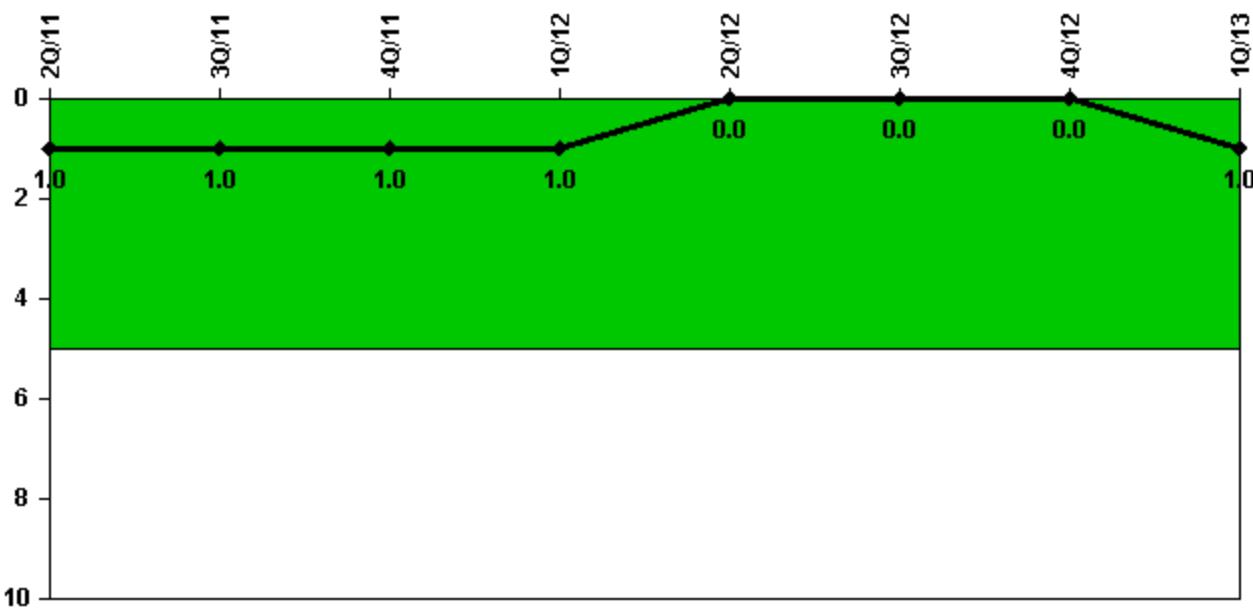
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/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

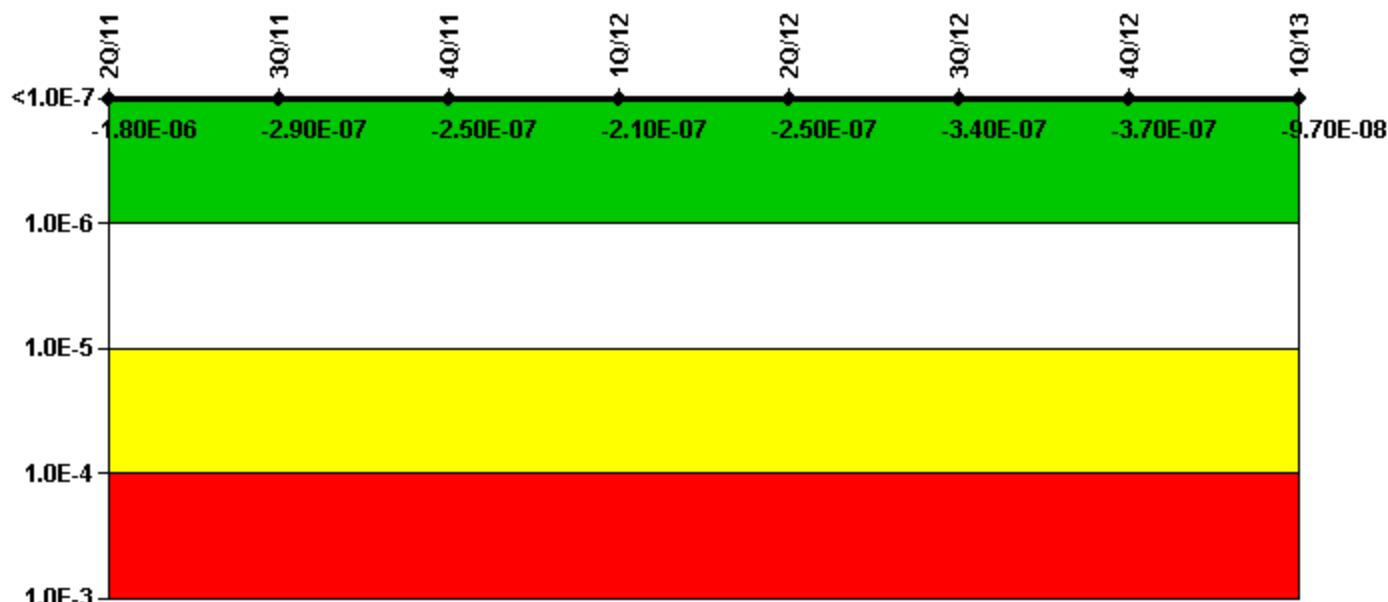
Notes

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

Licensee Comments:

2Q/11: LER 327, 328/2011-001-00, Both trains of control room air conditioning system being inoperable was reported as a safety system functional failure on April 15, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	5.39E-08	-1.17E-08	3.32E-08	6.06E-08	1.63E-08	1.67E-08	2.54E-08	4.18E-08
URI (Δ CDF)	-1.90E-06	-2.74E-07	-2.81E-07	-2.72E-07	-2.65E-07	-3.60E-07	-3.95E-07	-1.39E-07
PLE	NO							
Indicator value	-1.80E-06	-2.90E-07	-2.50E-07	-2.10E-07	-2.50E-07	-3.40E-07	-3.70E-07	-9.70E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

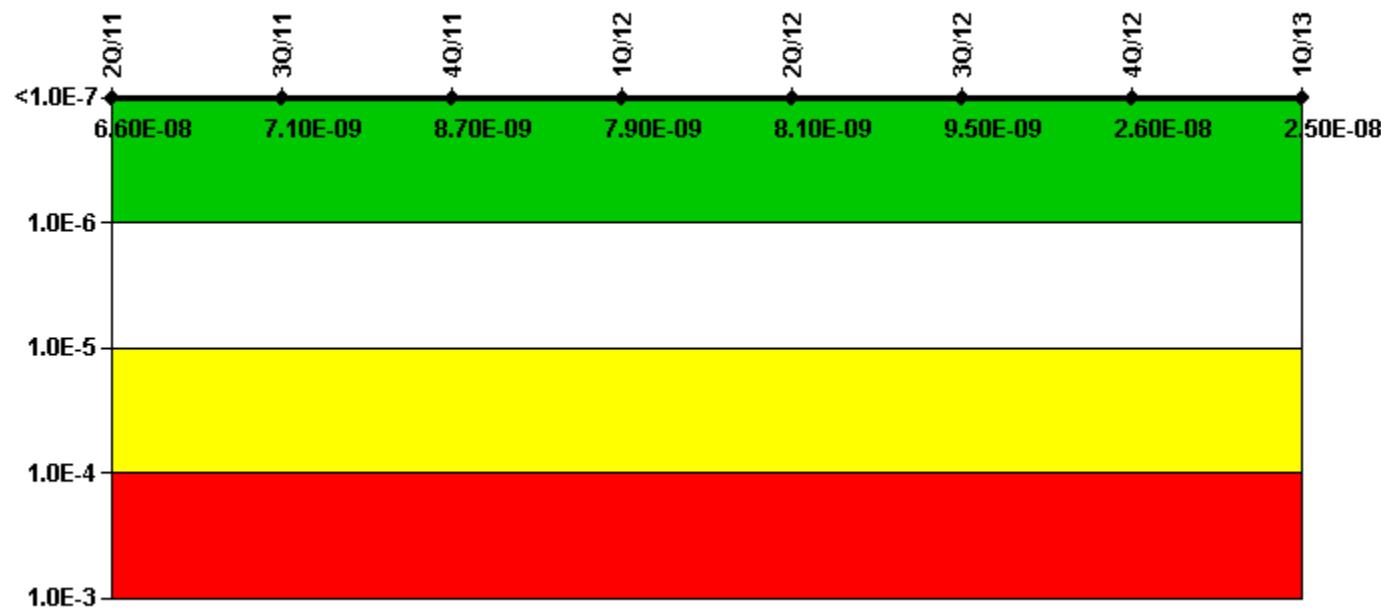
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using

the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	2.36E-07	7.48E-09	9.17E-09	8.35E-09	8.54E-09	9.93E-09	2.62E-08	2.59E-08
URI (Δ CDF)	-1.71E-07	-4.21E-10	-4.22E-10	-4.22E-10	-4.23E-10	-4.24E-10	-6.33E-10	-6.34E-10
PLE	NO							
Indicator value	6.60E-08	7.10E-09	8.70E-09	7.90E-09	8.10E-09	9.50E-09	2.60E-08	2.50E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

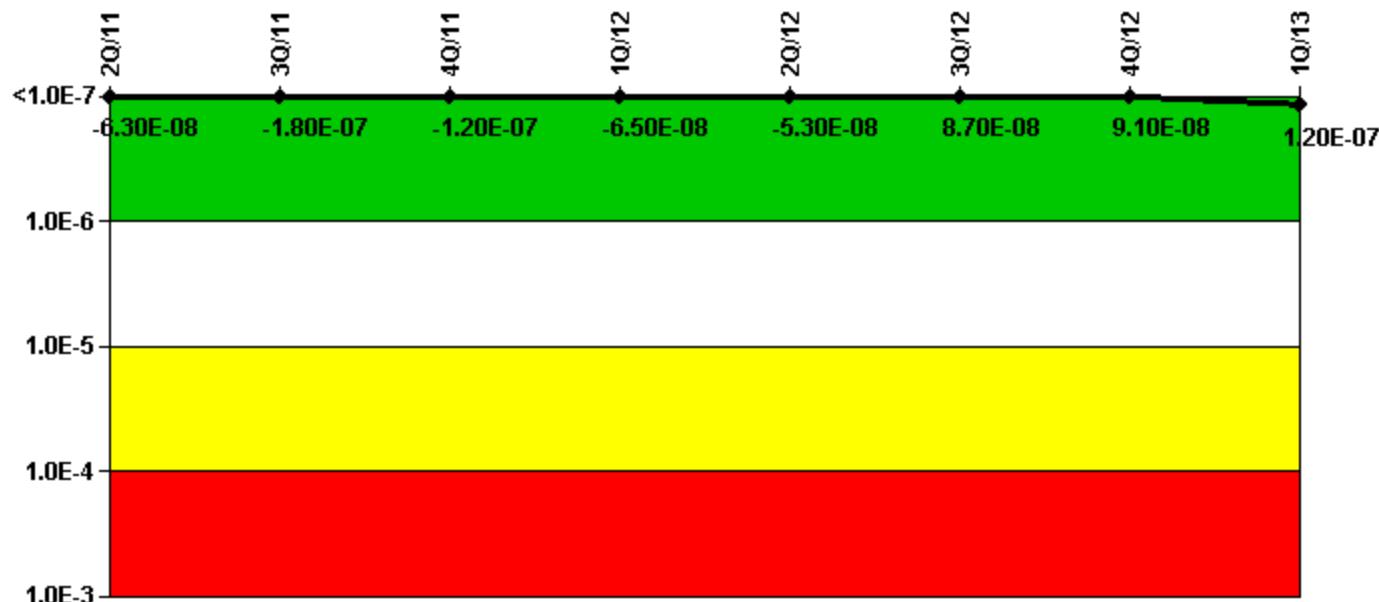
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	3.00E-08	1.08E-07	1.64E-07	2.15E-07	2.23E-07	3.62E-07	2.23E-07	2.50E-07
URI (Δ CDF)	-9.31E-08	-2.86E-07	-2.86E-07	-2.80E-07	-2.75E-07	-2.75E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.30E-08	-1.80E-07	-1.20E-07	-6.50E-08	-5.30E-08	8.70E-08	9.10E-08	1.20E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

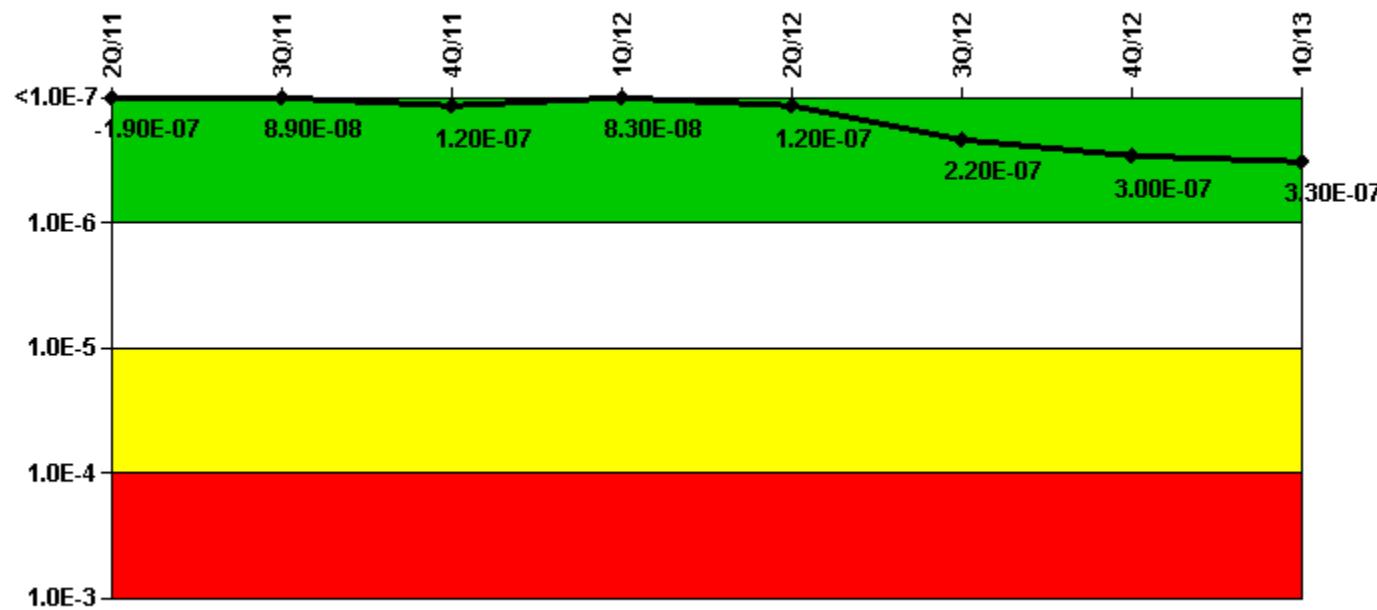
1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base

numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	1.78E-07	2.64E-07	2.94E-07	2.58E-07	2.95E-07	3.92E-07	5.08E-07	5.42E-07
URI (Δ CDF)	-3.66E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-2.10E-07	-2.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-07	8.90E-08	1.20E-07	8.30E-08	1.20E-07	2.20E-07	3.00E-07	3.30E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

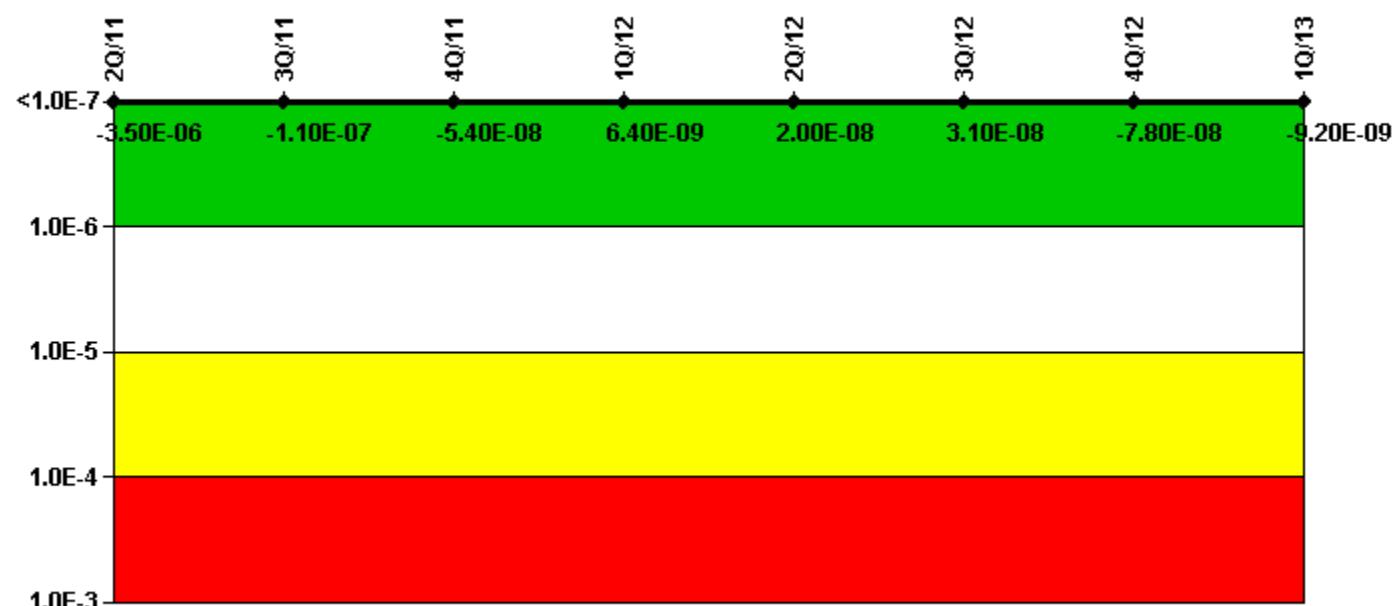
1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	-3.26E-06	-3.82E-08	2.07E-08	8.12E-08	9.48E-08	1.06E-07	5.07E-08	1.19E-07
URI (Δ CDF)	-1.90E-07	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-06	-1.10E-07	-5.40E-08	6.40E-09	2.00E-08	3.10E-08	-7.80E-08	-9.20E-09

Licensee Comments:

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as

needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

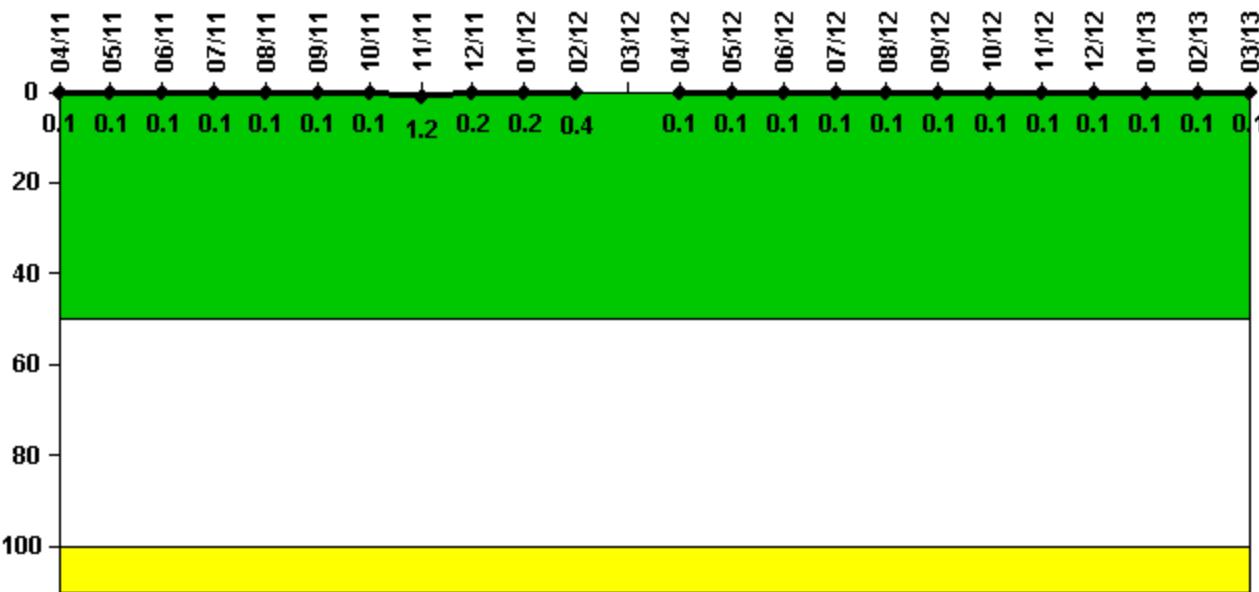
3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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Reactor Coolant System Activity



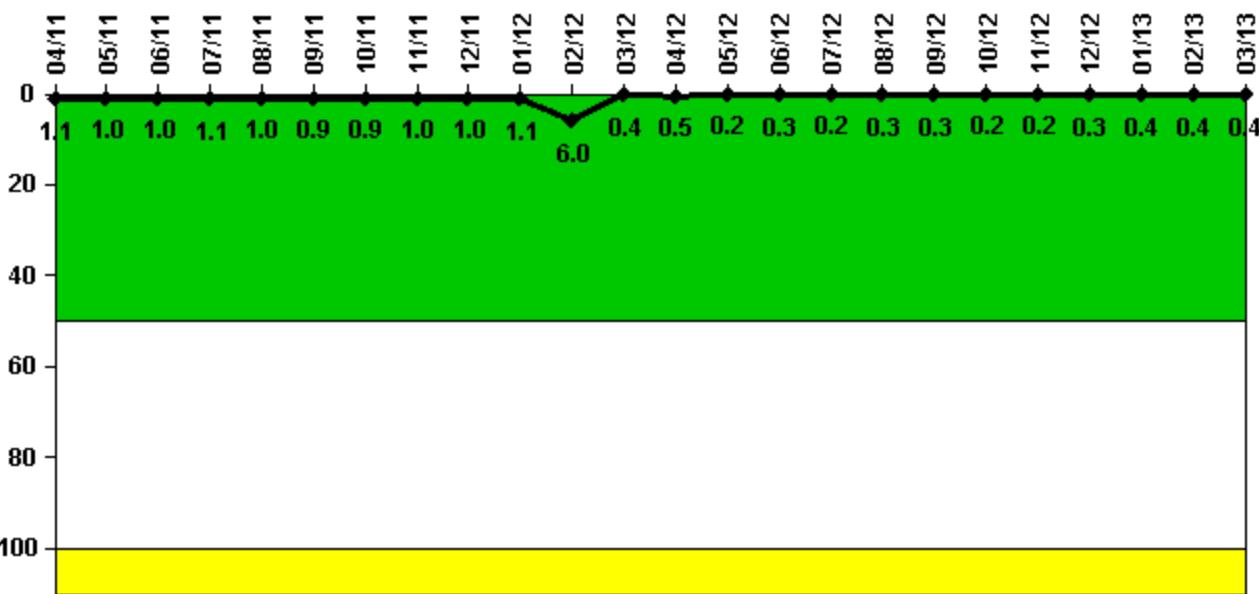
Thresholds: White > 50.0 Yellow > 100.0

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	0.000382	0.000392	0.000474	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609	0.000584	0.001269	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.2	0.2	0.4	N/A
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	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



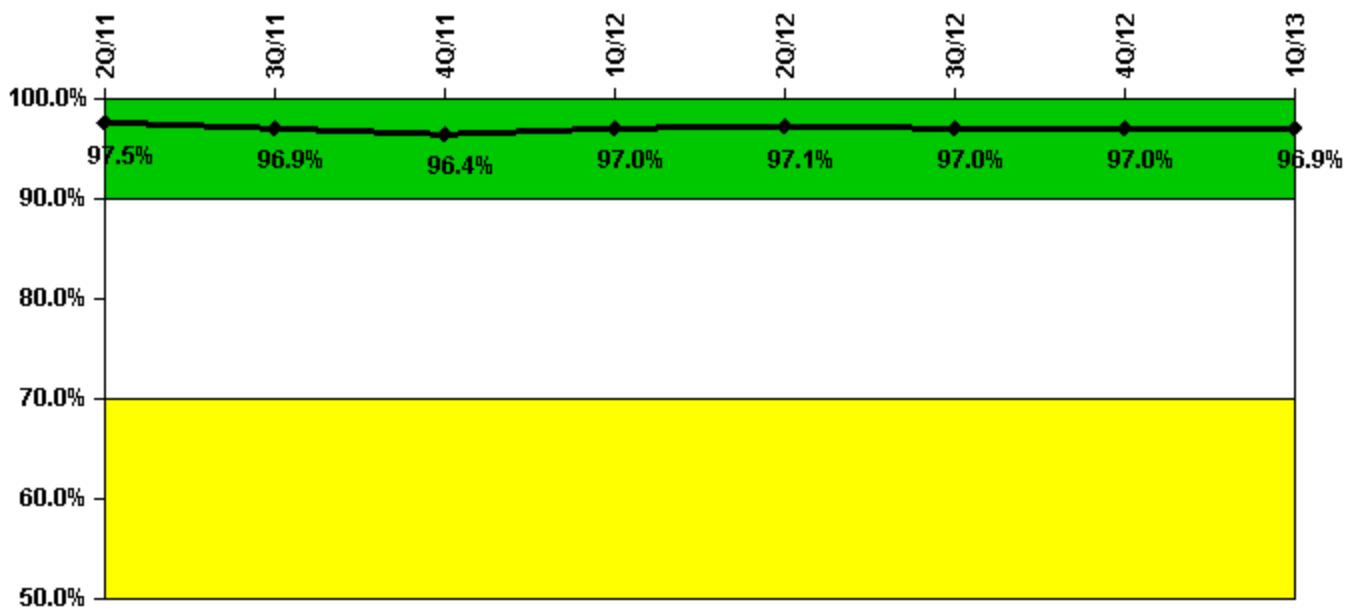
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.110	0.100	0.100	0.110	0.100	0.090	0.090	0.100	0.100	0.110	0.600	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.0	1.1	6.0	0.4
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	0.050	0.020	0.030	0.020	0.030	0.030	0.020	0.020	0.030	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.4

Licensee Comments: none

Drill/Exercise Performance



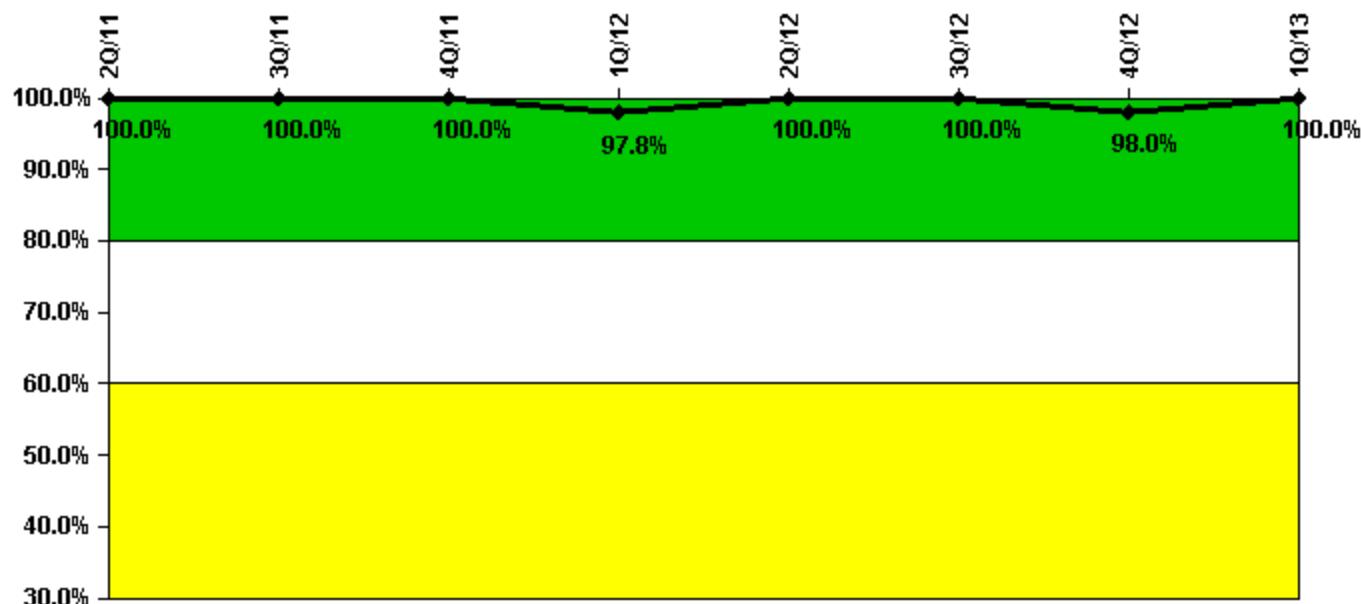
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	4.0	34.0	70.0	6.0	32.0	87.0	10.0	41.0
Total opportunities	4.0	36.0	73.0	6.0	32.0	90.0	10.0	42.0
Indicator value	97.5%	96.9%	96.4%	97.0%	97.1%	97.0%	97.0%	96.9%

Licensee Comments: none

ERO Drill Participation



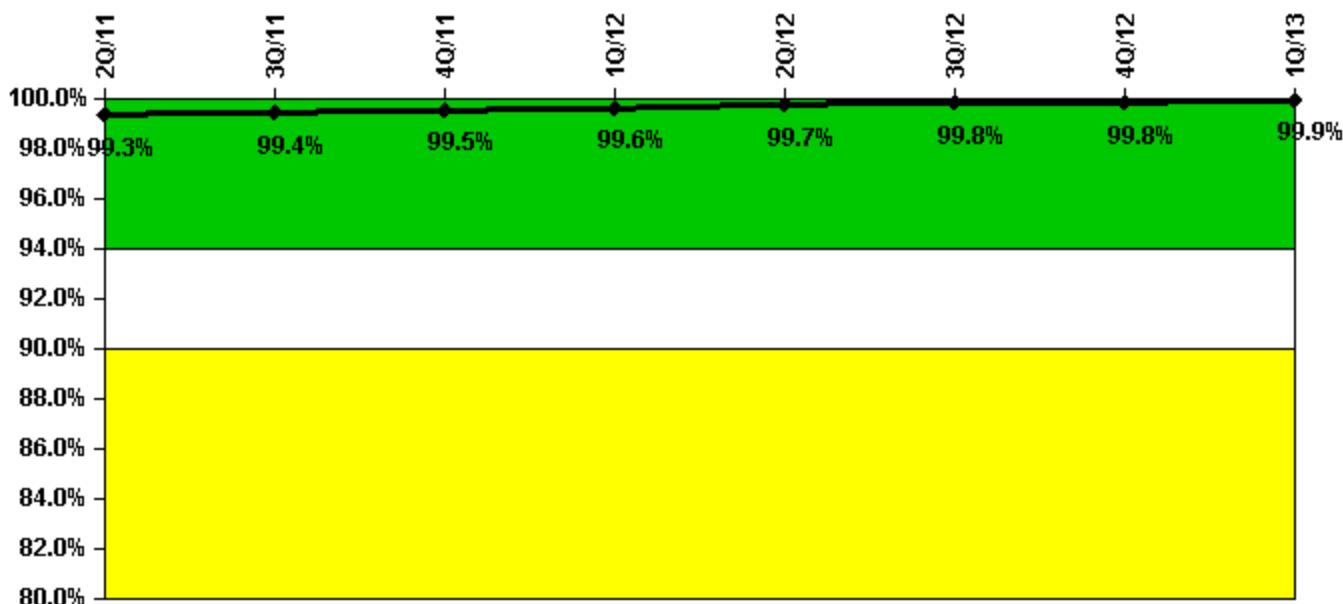
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	75.0	74.0	90.0	88.0	99.0	97.0	99.0	97.0
Total Key personnel	75.0	74.0	90.0	90.0	99.0	97.0	101.0	97.0
Indicator value	100.0%	100.0%	100.0%	97.8%	100.0%	100.0%	98.0%	100.0%

Licensee Comments: none

Alert & Notification System



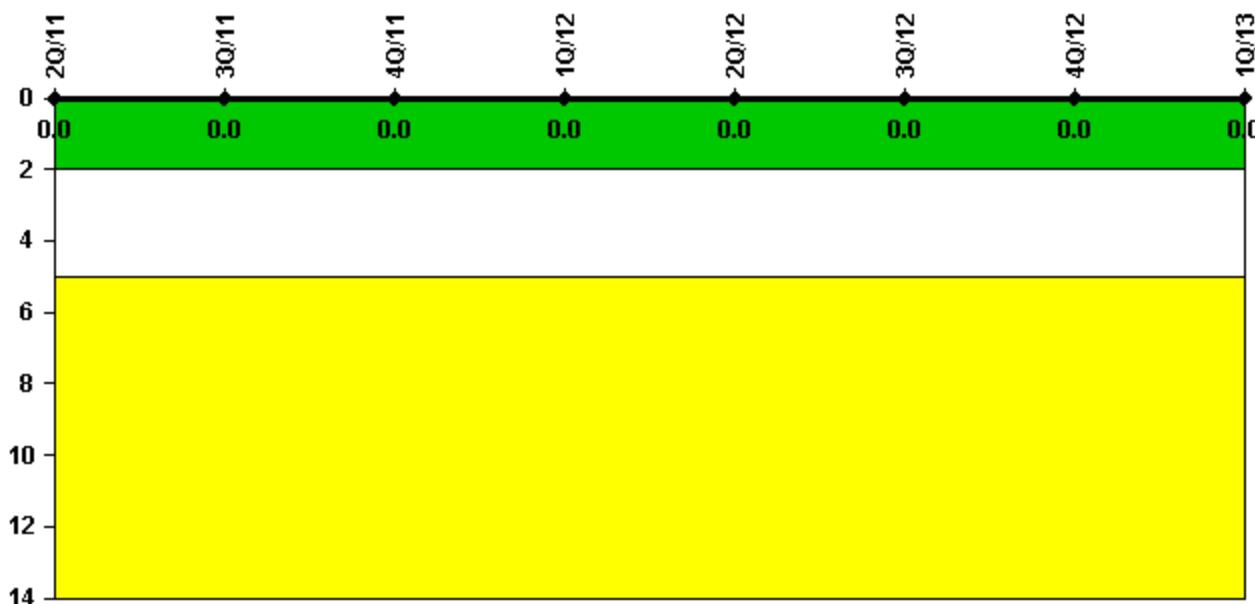
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	967	857	862	863	864	861	753	978
Total sirens-tests	972	864	864	864	864	864	755	978
Indicator value	99.3%	99.4%	99.5%	99.6%	99.7%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



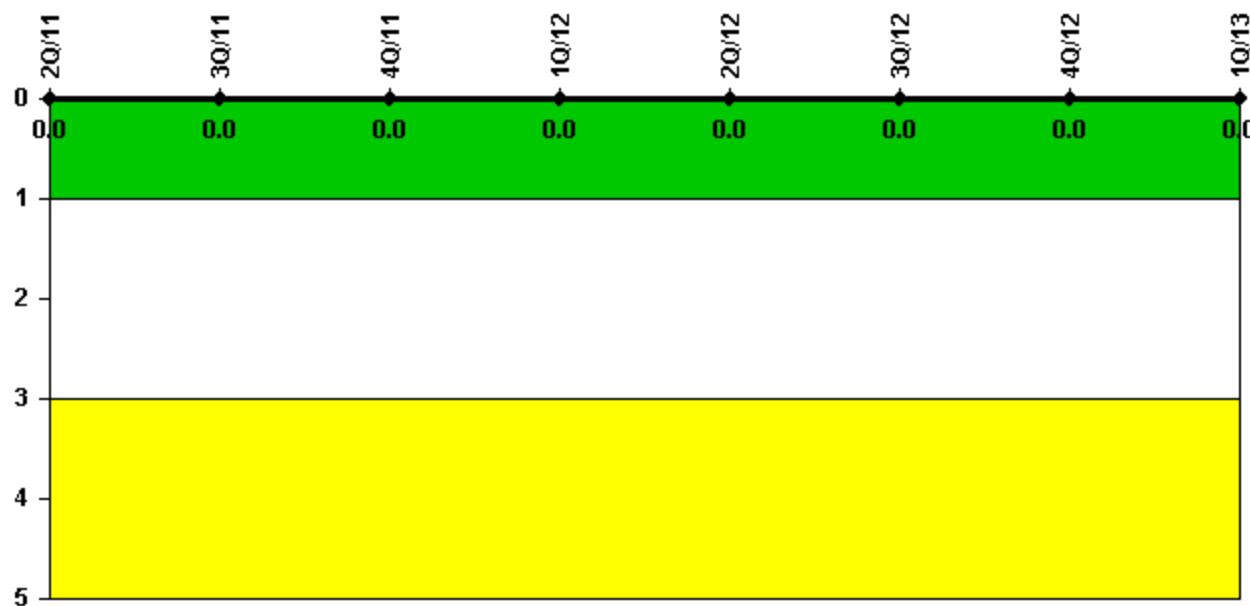
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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

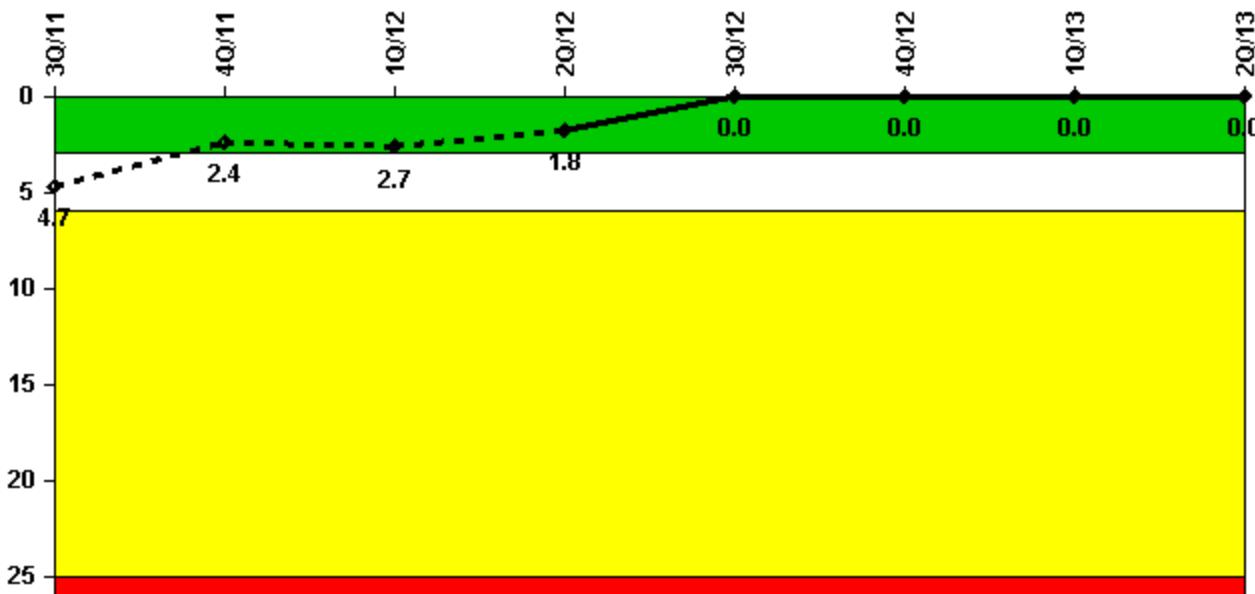
Sequoyah 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



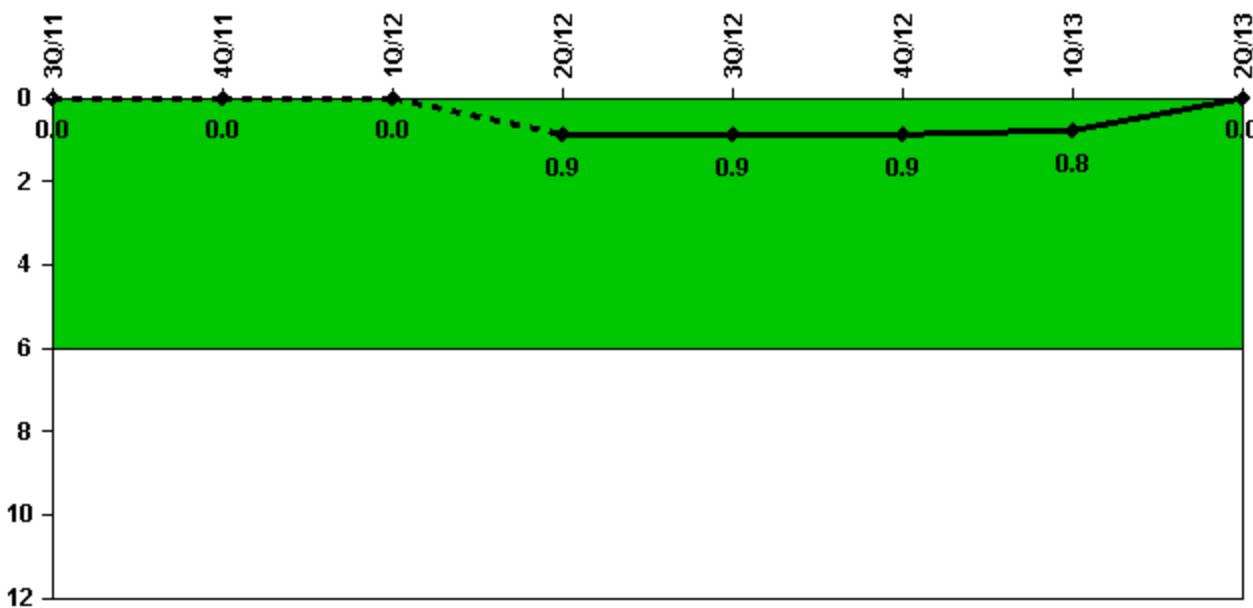
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0	0
Critical hours	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	4.7	2.4	2.7	1.8	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



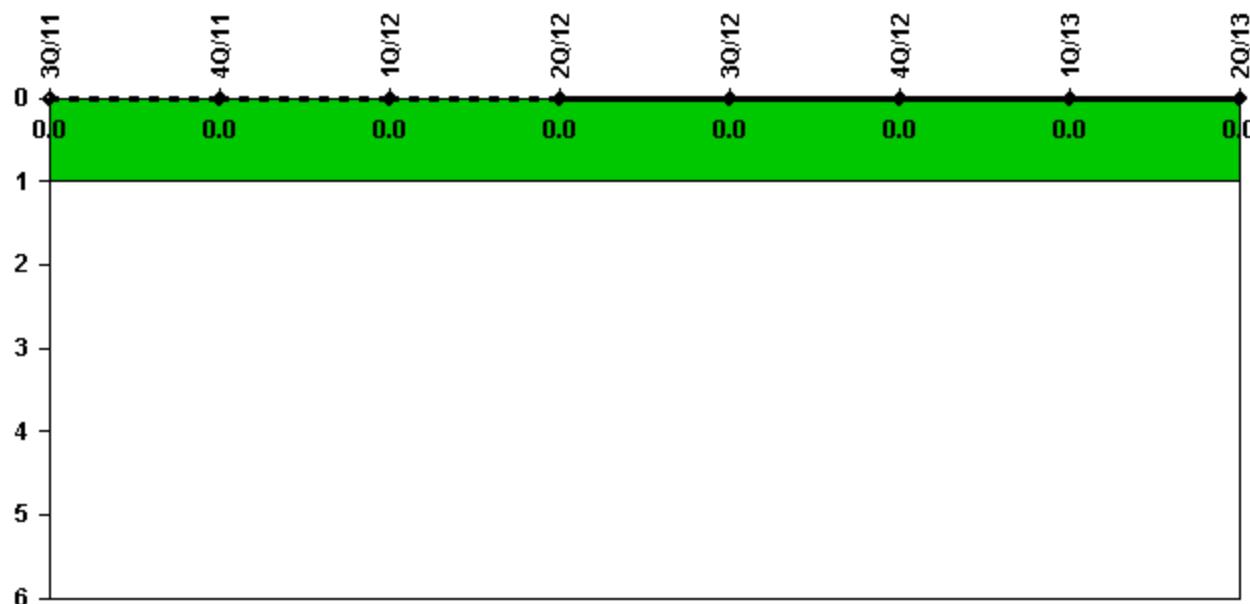
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2141.4	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0.9	0.9	0.9	0.8	0

Licensee Comments: none

Unplanned Scrams with Complications



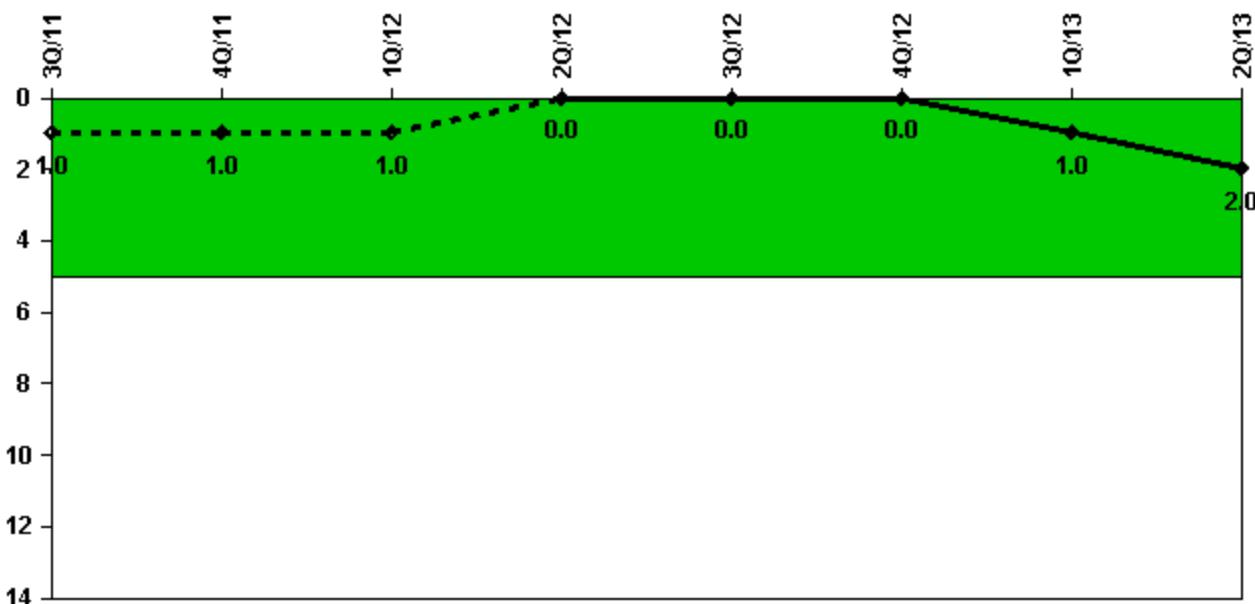
Thresholds: White > 1.0

Notes

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

Licensee Comments:

2Q/13: LER 327/328/2013-001-00

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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-1.17E-08	3.32E-08	6.06E-08	1.63E-08	1.67E-08	2.54E-08	4.18E-08	8.19E-08
URI (Δ CDF)	-2.74E-07	-2.81E-07	-2.72E-07	-2.65E-07	-3.60E-07	-3.95E-07	-1.39E-07	-1.29E-07
PLE	NO							
Indicator value	-2.90E-07	-2.50E-07	-2.10E-07	-2.50E-07	-3.40E-07	-3.70E-07	-9.70E-08	-4.80E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

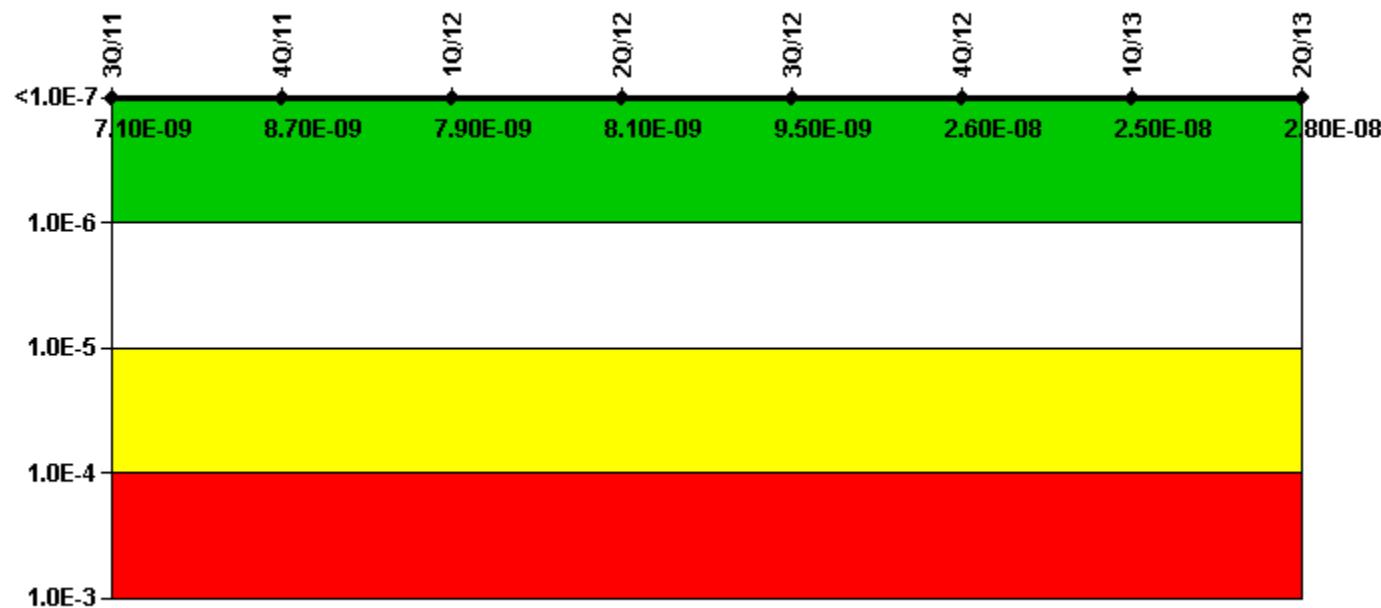
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using

the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	7.48E-09	9.17E-09	8.35E-09	8.54E-09	9.93E-09	2.62E-08	2.59E-08	2.86E-08
URI (Δ CDF)	-4.21E-10	-4.22E-10	-4.22E-10	-4.23E-10	-4.24E-10	-6.33E-10	-6.34E-10	-6.34E-10
PLE	NO							
Indicator value	7.10E-09	8.70E-09	7.90E-09	8.10E-09	9.50E-09	2.60E-08	2.50E-08	2.80E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

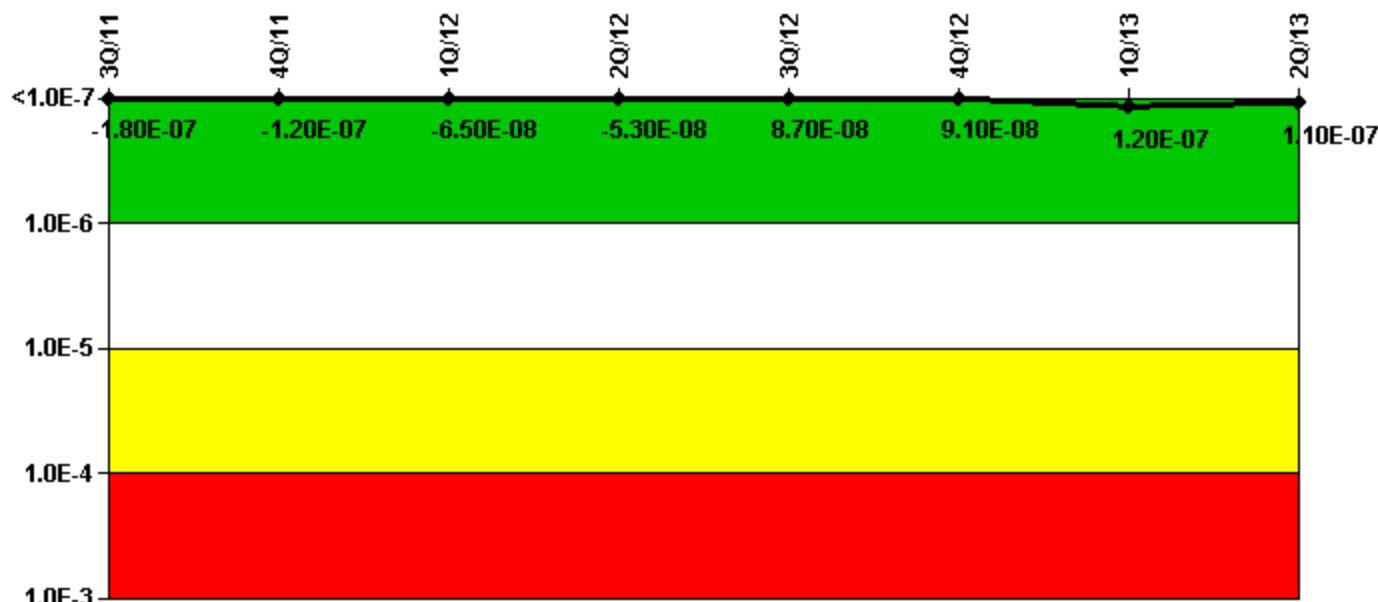
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	1.08E-07	1.64E-07	2.15E-07	2.23E-07	3.62E-07	2.23E-07	2.50E-07	2.46E-07
URI (Δ CDF)	-2.86E-07	-2.86E-07	-2.80E-07	-2.75E-07	-2.75E-07	-1.32E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-07	-1.20E-07	-6.50E-08	-5.30E-08	8.70E-08	9.10E-08	1.20E-07	1.10E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

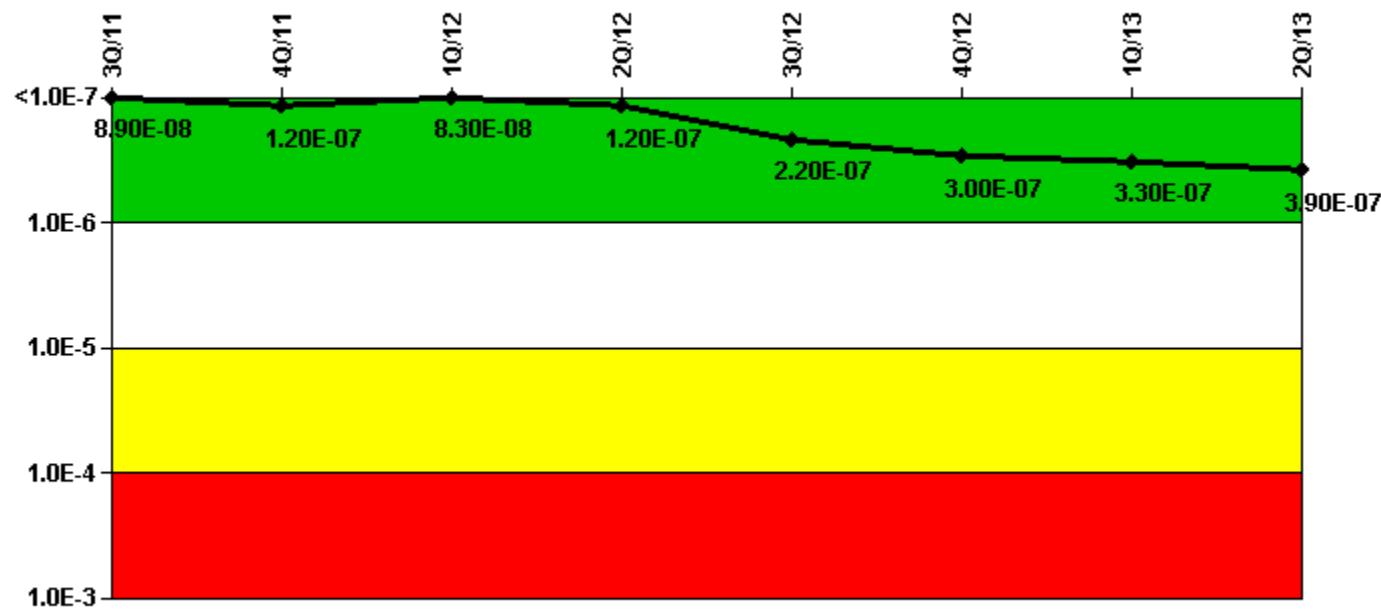
1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base

numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	2.64E-07	2.94E-07	2.58E-07	2.95E-07	3.92E-07	5.08E-07	5.42E-07	6.11E-07
URI (Δ CDF)	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-2.10E-07	-2.14E-07	-2.17E-07
PLE	NO							
Indicator value	8.90E-08	1.20E-07	8.30E-08	1.20E-07	2.20E-07	3.00E-07	3.30E-07	3.90E-07

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

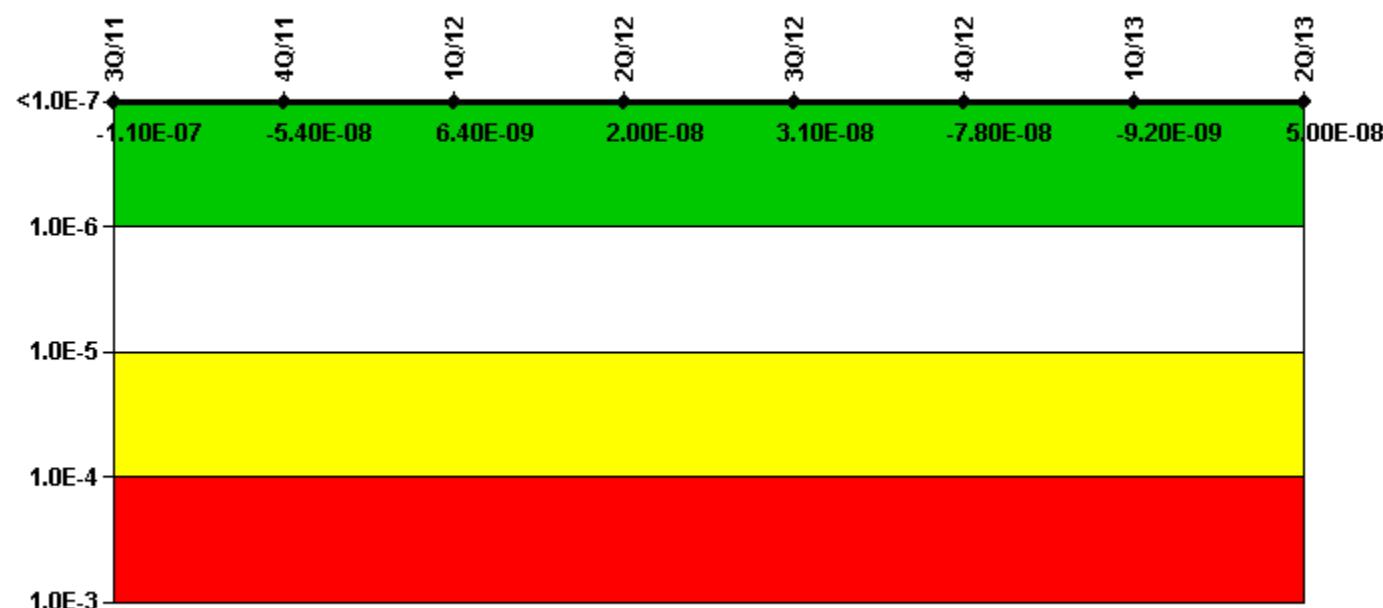
1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

3Q/11: The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	-3.82E-08	2.07E-08	8.12E-08	9.48E-08	1.06E-07	5.07E-08	1.19E-07	1.78E-07
URI (Δ CDF)	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-1.28E-07	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-5.40E-08	6.40E-09	2.00E-08	3.10E-08	-7.80E-08	-9.20E-09	5.00E-08

Licensee Comments:

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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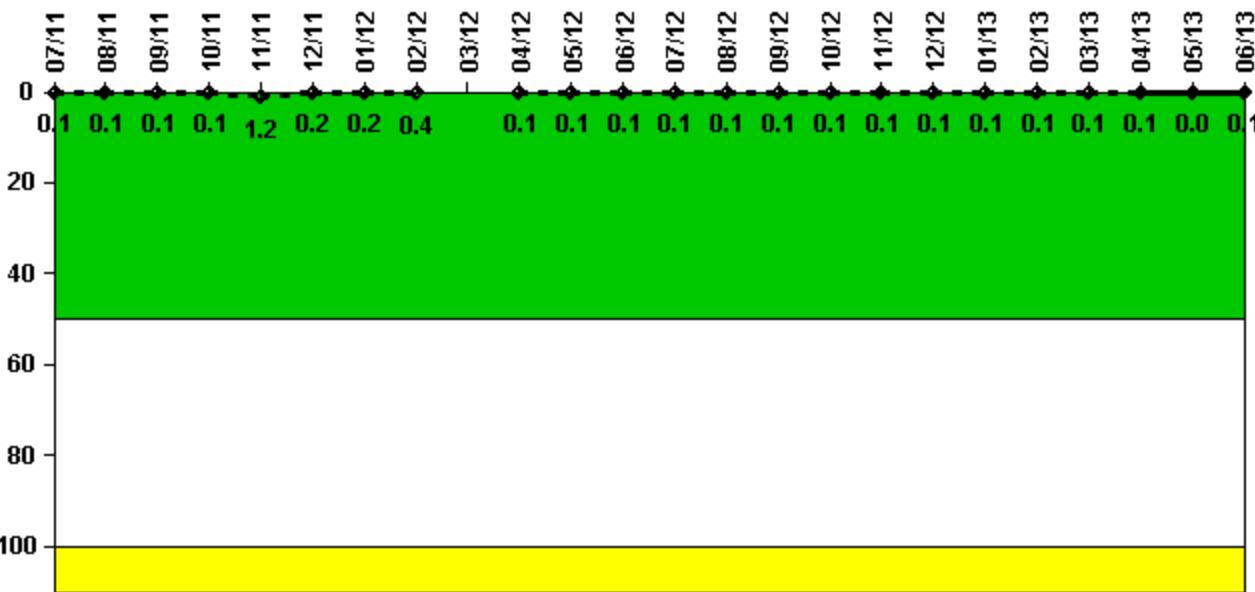
4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/11: Changed PRA Parameter(s). The calculations to input into MSPI were performed using the current Sequoyah CAFTA PRA Model Rev 0. The PRA Model of Record was revised 5/27/11, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were changed as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

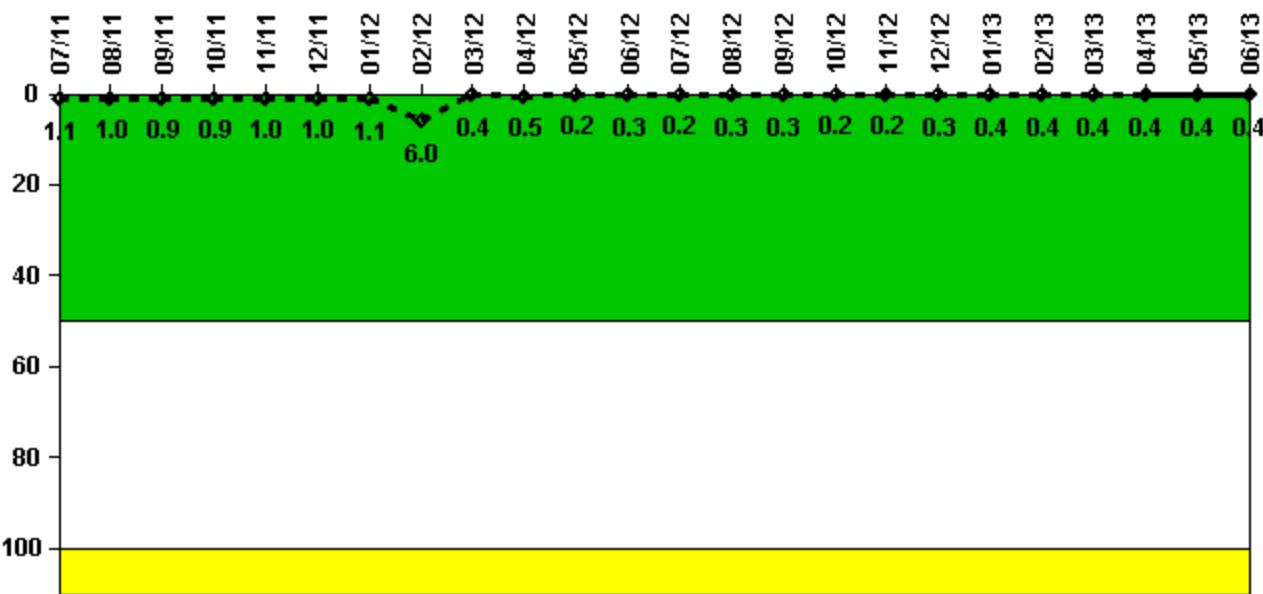
Notes

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	0.000497	0.000500	0.000499	0.000436	0.004270	0.000609	0.000584	0.001269	N/A	0.000284	0.000305	0.000289
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	1.2	0.2	0.2	0.4	N/A	0.1	0.1	0.1

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	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430	0.000465	0.000063	0.000491
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage

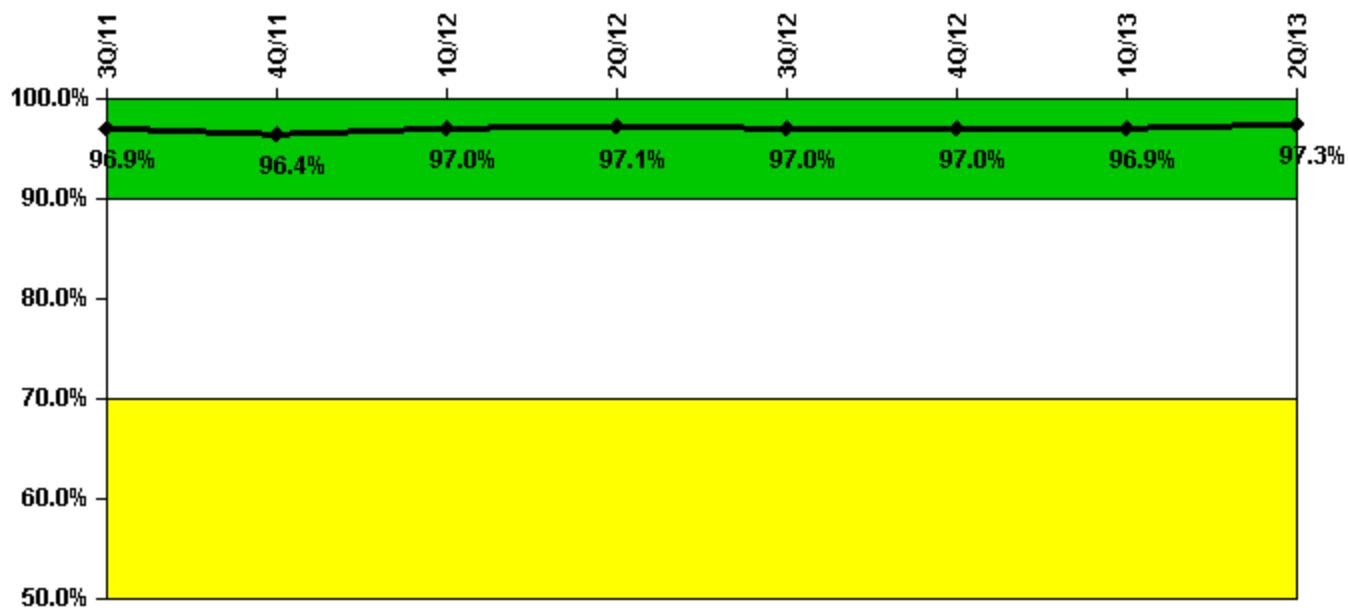


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.110	0.100	0.090	0.090	0.100	0.100	0.110	0.600	0.040	0.050	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.0	0.9	0.9	1.0	1.0	1.1	6.0	0.4	0.5	0.2	0.3
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	0.020	0.030	0.030	0.020	0.020	0.030	0.040	0.040	0.040	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4

Licensee Comments: none

Drill/Exercise Performance

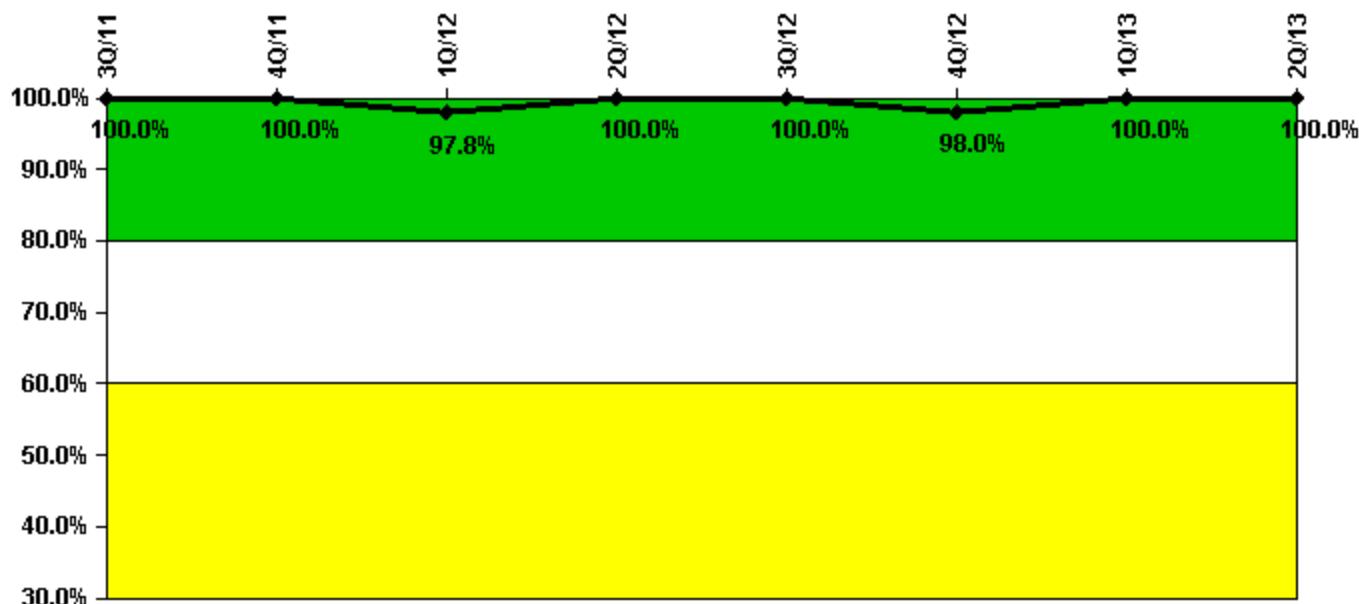
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	34.0	70.0	6.0	32.0	87.0	10.0	41.0	50.0
Total opportunities	36.0	73.0	6.0	32.0	90.0	10.0	42.0	50.0
Indicator value	96.9%	96.4%	97.0%	97.1%	97.0%	97.0%	96.9%	97.3%

Licensee Comments: none

ERO Drill Participation



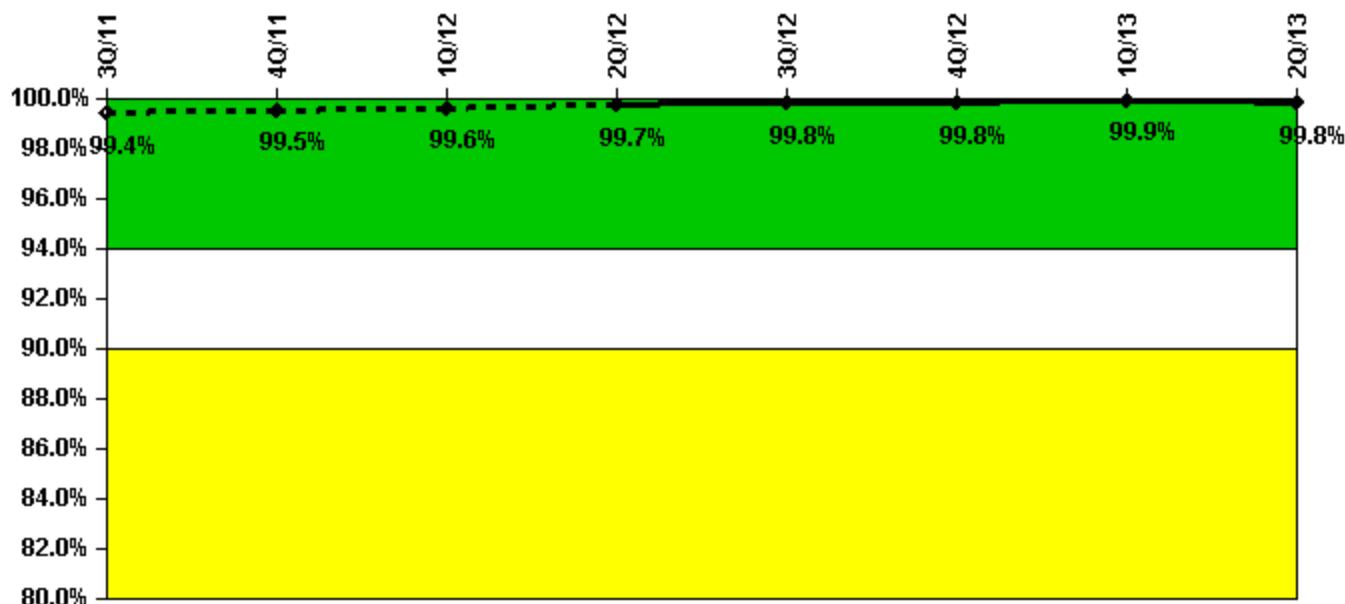
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	74.0	90.0	88.0	99.0	97.0	99.0	97.0	97.0
Total Key personnel	74.0	90.0	90.0	99.0	97.0	101.0	97.0	97.0
Indicator value	100.0%	100.0%	97.8%	100.0%	100.0%	98.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



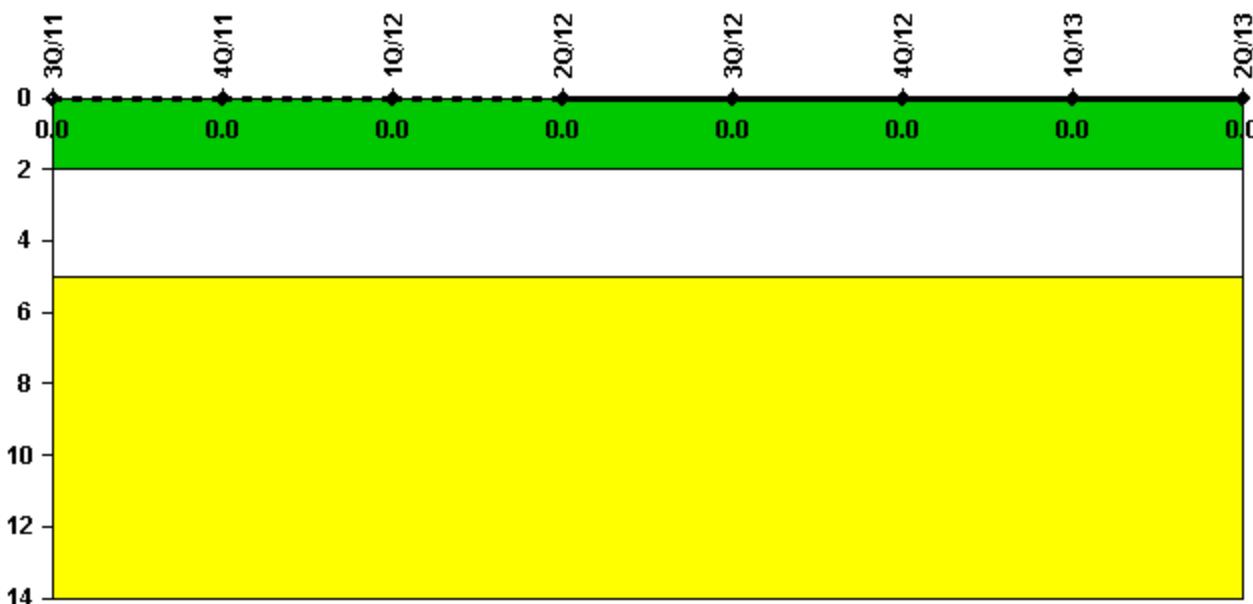
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	857	862	863	864	861	753	978	889
Total sirens-tests	864	864	864	864	864	755	978	890
Indicator value	99.4%	99.5%	99.6%	99.7%	99.8%	99.8%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



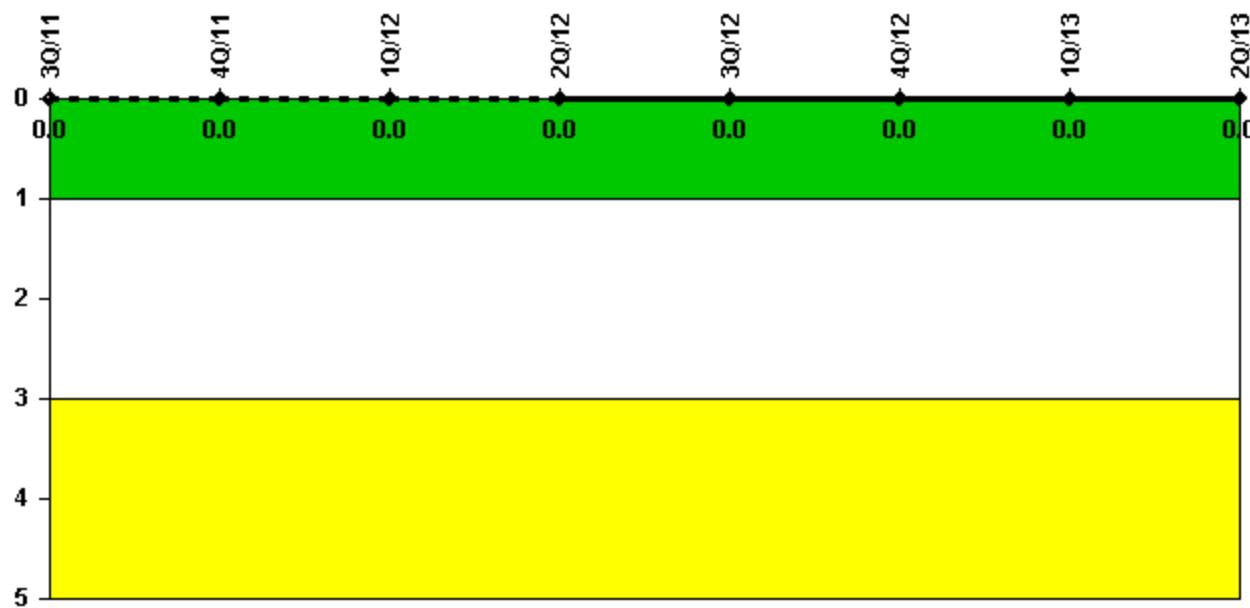
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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

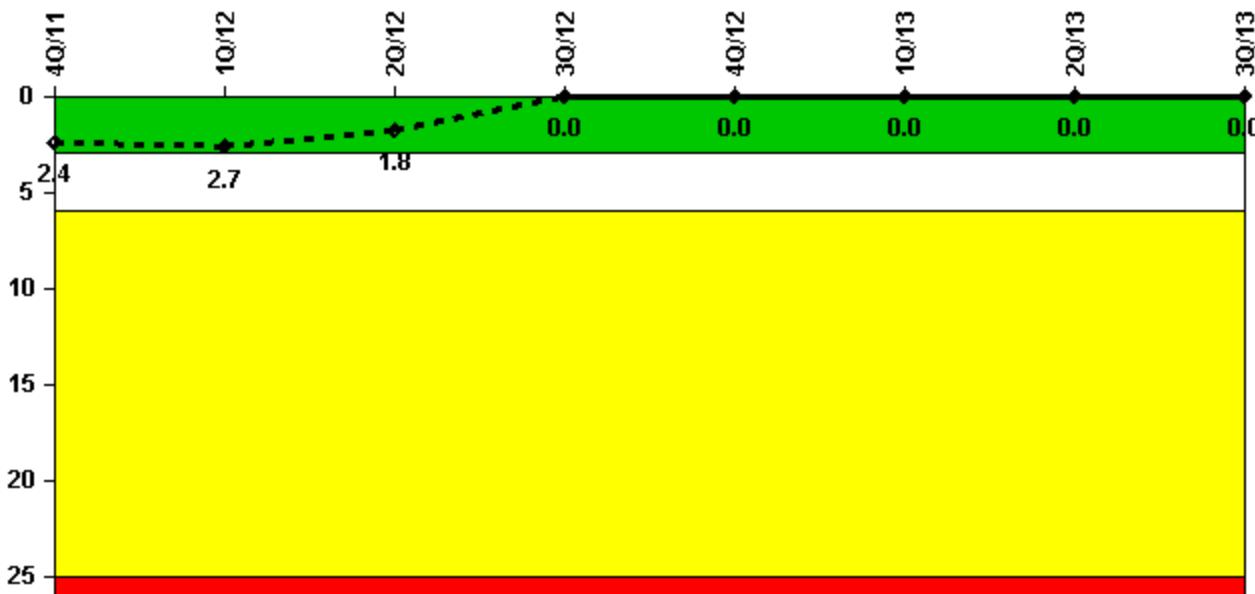
Sequoyah 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



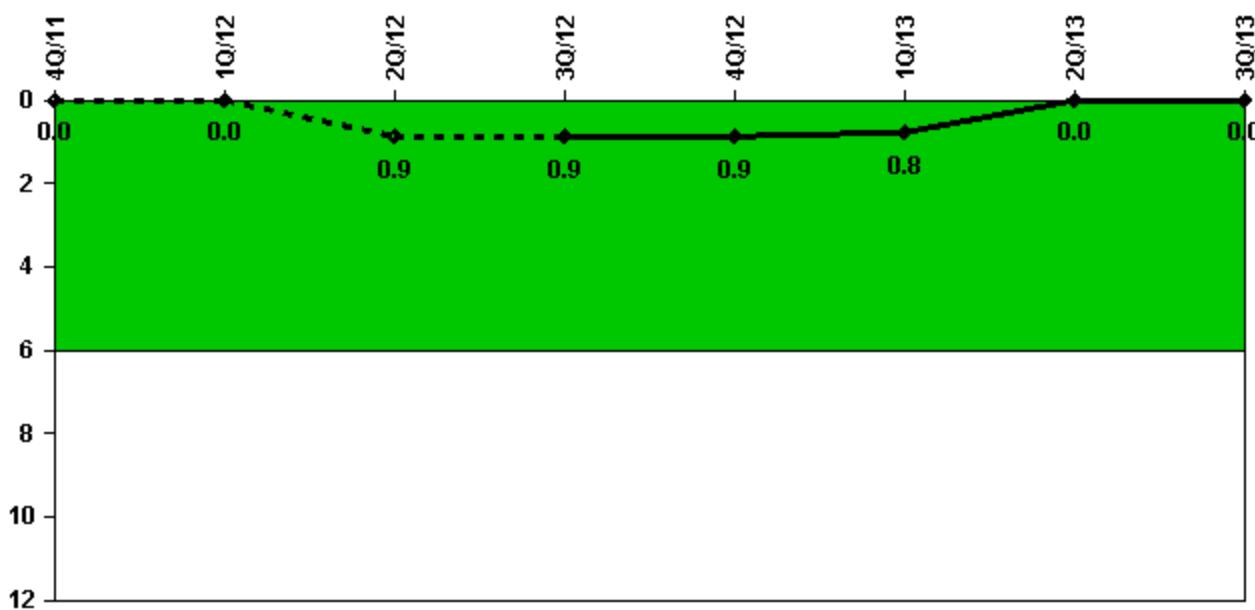
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	2.4	2.7	1.8	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



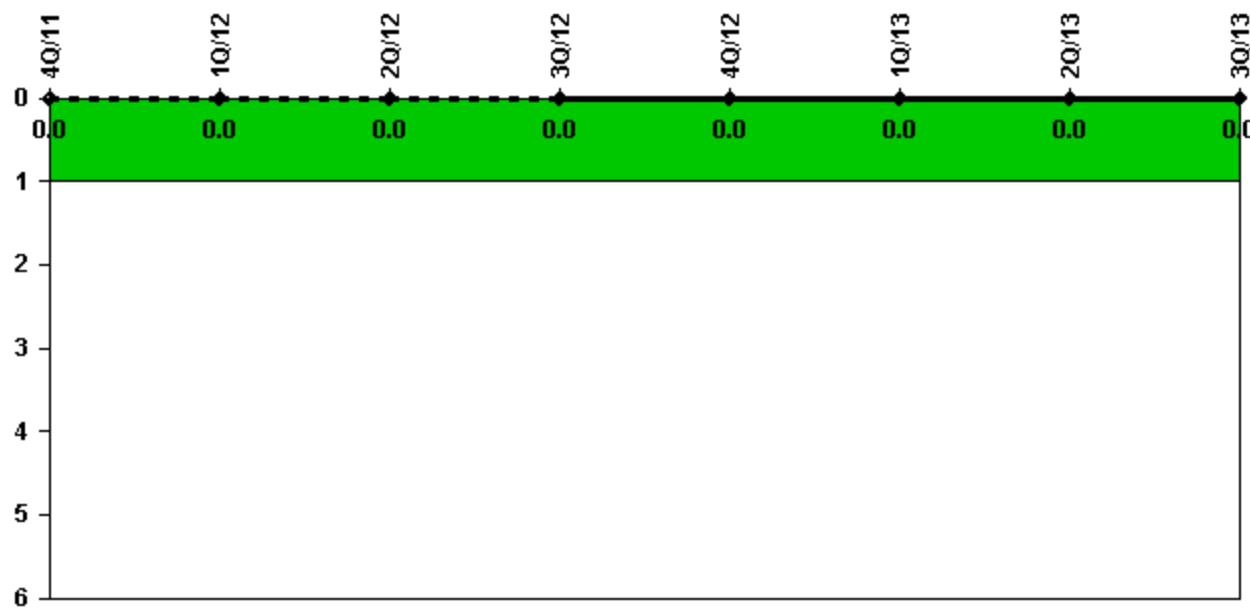
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



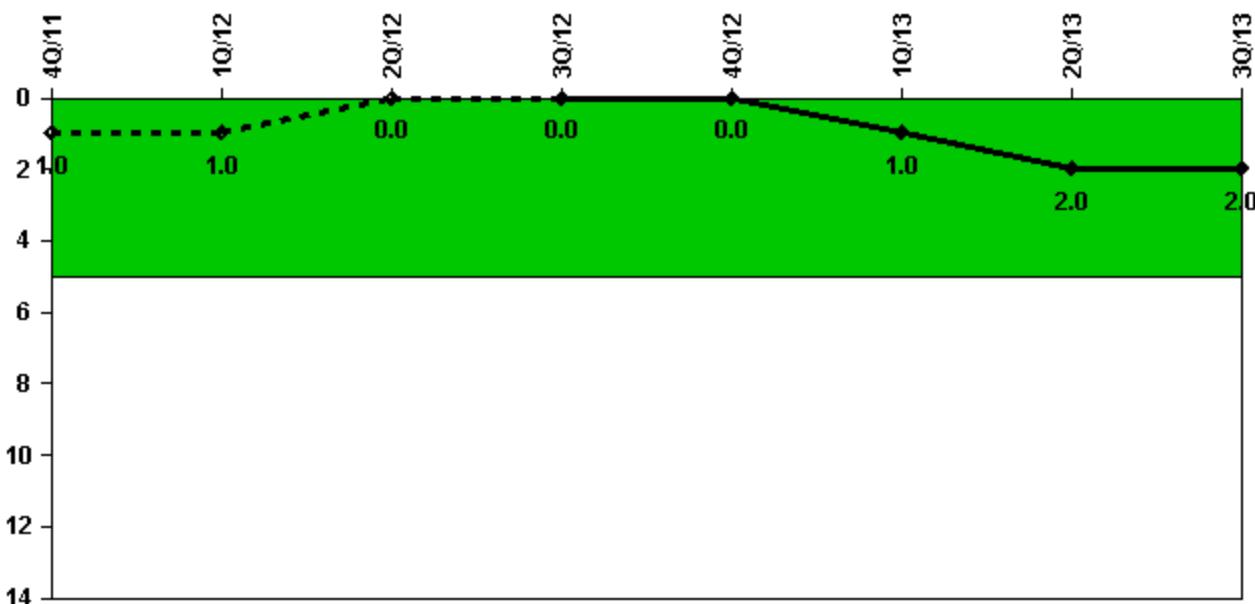
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/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

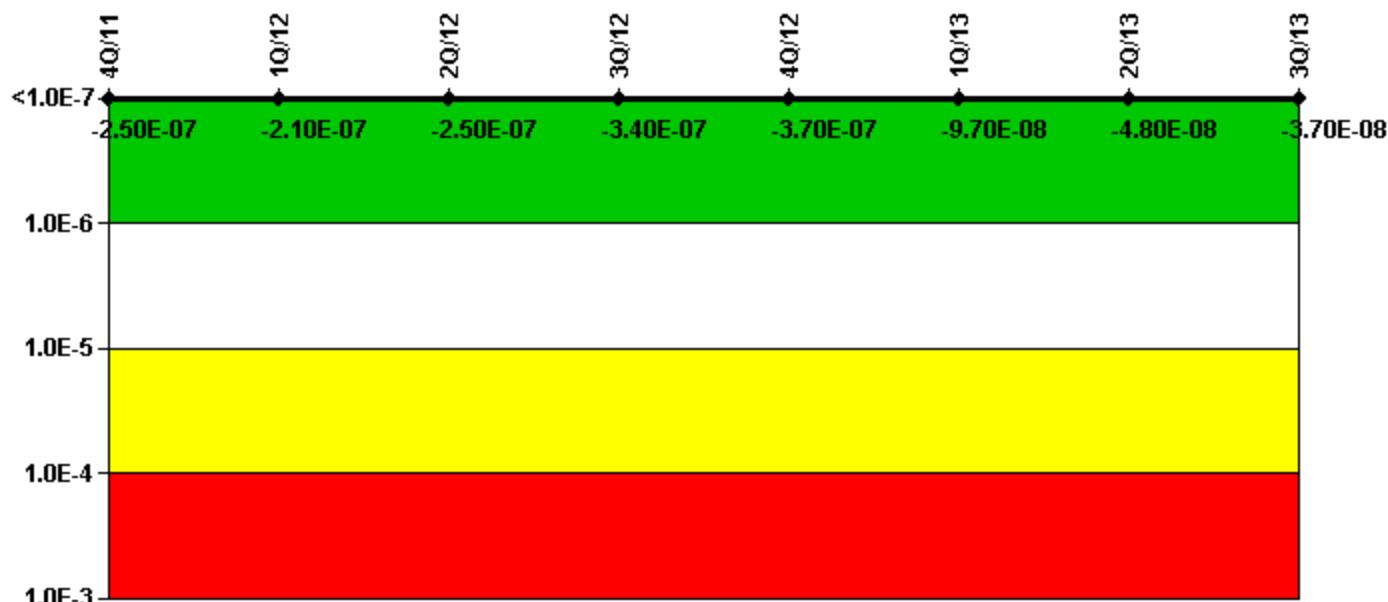
Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	1	1	0	0	0	1	2	2

Licensee Comments:

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

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)	3.32E-08	6.06E-08	1.63E-08	1.67E-08	2.54E-08	4.18E-08	8.19E-08	9.71E-08
URI (Δ CDF)	-2.81E-07	-2.72E-07	-2.65E-07	-3.60E-07	-3.95E-07	-1.39E-07	-1.29E-07	-1.34E-07
PLE	NO							
Indicator value	-2.50E-07	-2.10E-07	-2.50E-07	-3.40E-07	-3.70E-07	-9.70E-08	-4.80E-08	-3.70E-08

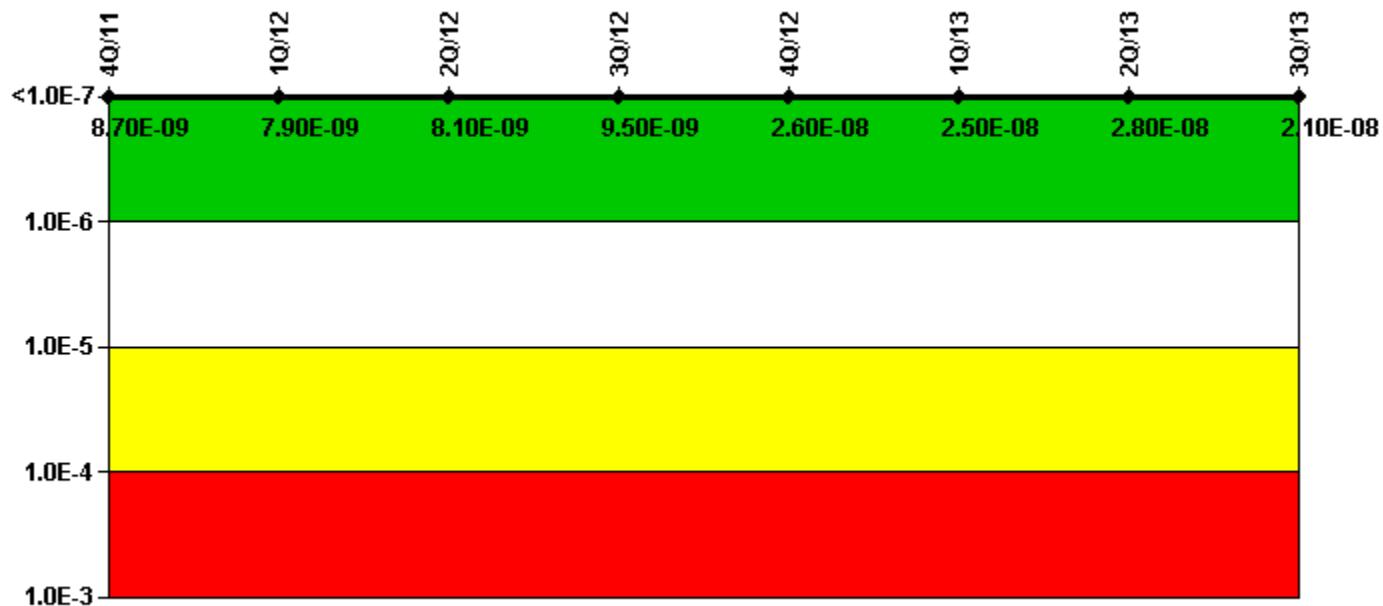
Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	9.17E-09	8.35E-09	8.54E-09	9.93E-09	2.62E-08	2.59E-08	2.86E-08	2.16E-08
URI (Δ CDF)	-4.22E-10	-4.22E-10	-4.23E-10	-4.24E-10	-6.33E-10	-6.34E-10	-6.34E-10	-6.35E-10
PLE	NO							
Indicator value	8.70E-09	7.90E-09	8.10E-09	9.50E-09	2.60E-08	2.50E-08	2.80E-08	2.10E-08

Licensee Comments:

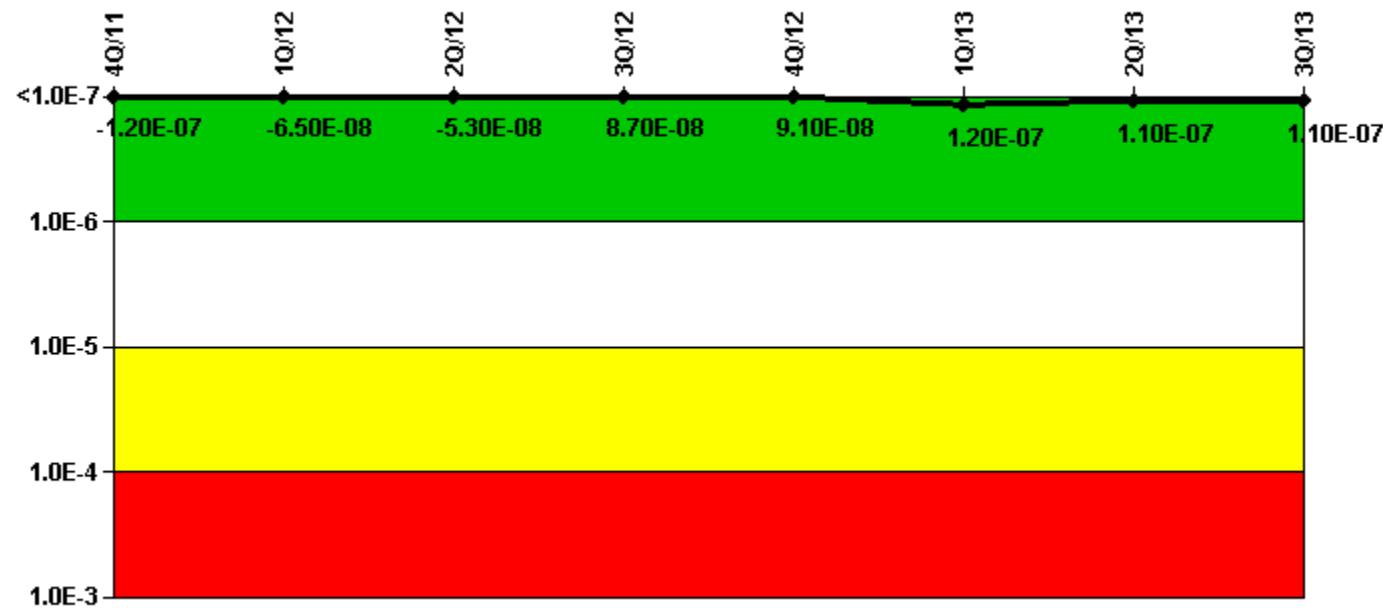
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	1.64E-07	2.15E-07	2.23E-07	3.62E-07	2.23E-07	2.50E-07	2.46E-07	2.41E-07
URI (Δ CDF)	-2.86E-07	-2.80E-07	-2.75E-07	-2.75E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-6.50E-08	-5.30E-08	8.70E-08	9.10E-08	1.20E-07	1.10E-07	1.10E-07

Licensee Comments:

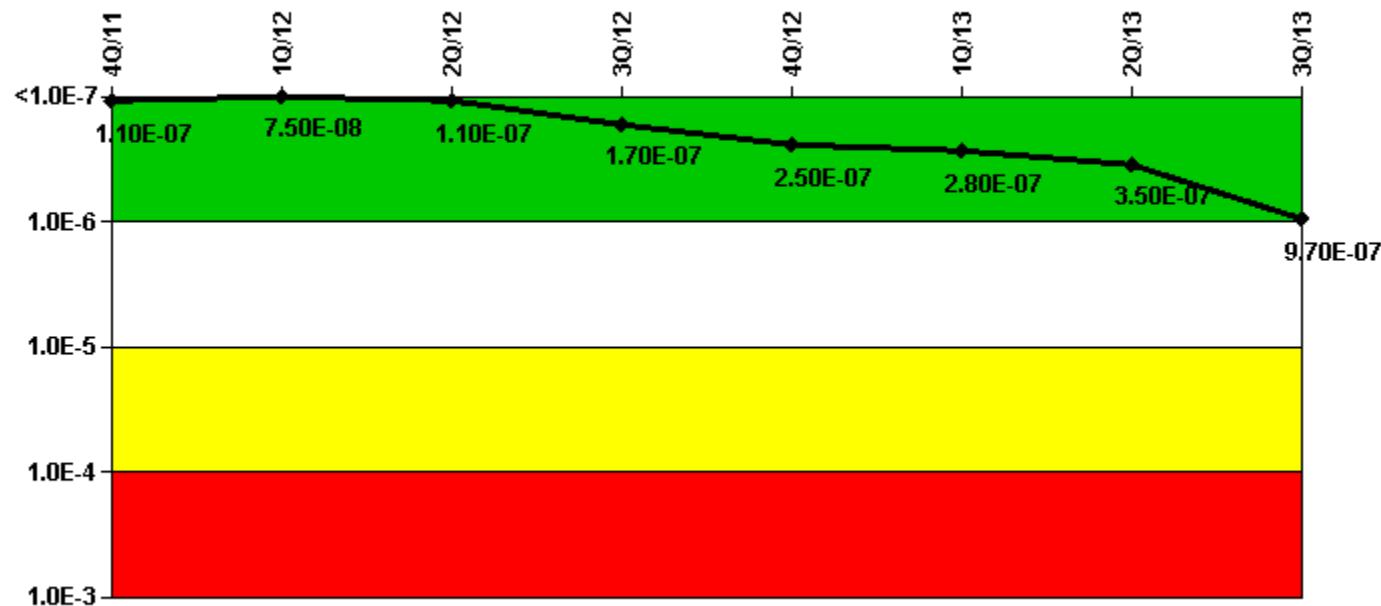
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by

NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

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)	2.86E-07	2.50E-07	2.87E-07	3.48E-07	4.63E-07	4.96E-07	5.65E-07	6.91E-07
URI (Δ CDF)	-1.75E-07	-1.75E-07	-1.75E-07	-1.75E-07	-2.10E-07	-2.14E-07	-2.17E-07	2.80E-07
PLE	NO							
Indicator value	1.10E-07	7.50E-08	1.10E-07	1.70E-07	2.50E-07	2.80E-07	3.50E-07	9.70E-07

Licensee Comments:

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

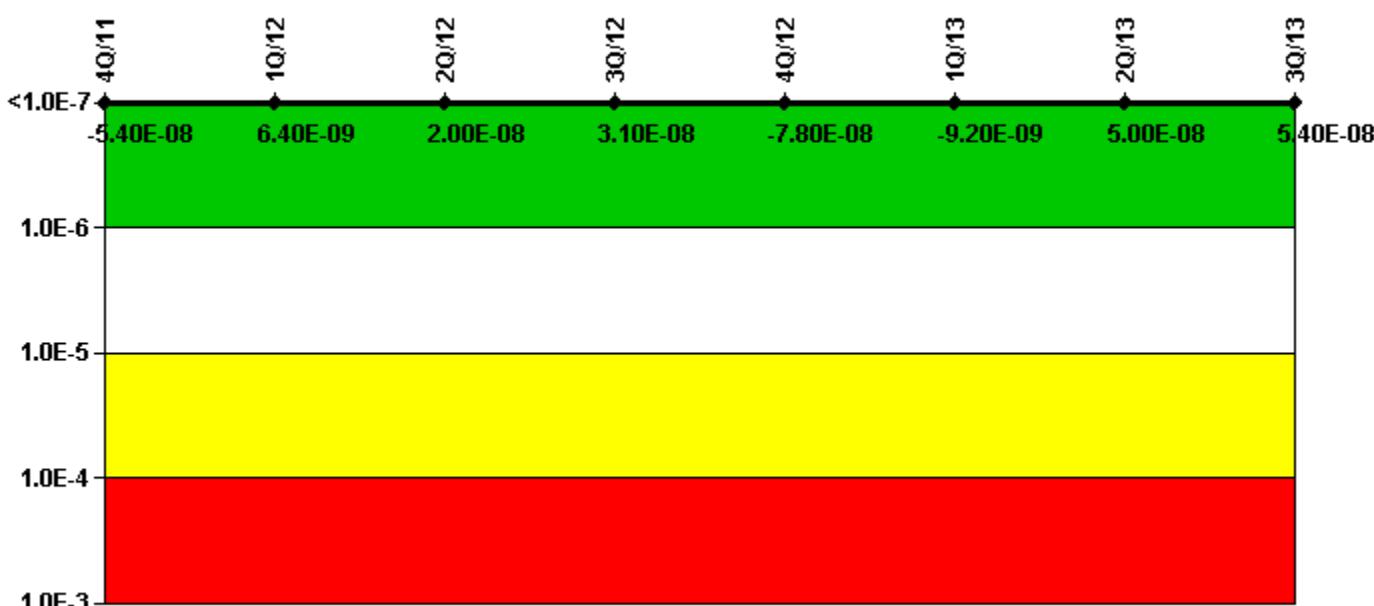
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

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)	2.07E-08	8.12E-08	9.48E-08	1.06E-07	5.07E-08	1.19E-07	1.78E-07	1.82E-07
URI (Δ CDF)	-7.49E-08	-7.49E-08	-7.49E-08	-7.49E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.40E-08	6.40E-09	2.00E-08	3.10E-08	-7.80E-08	-9.20E-09	5.00E-08	5.40E-08

Licensee Comments:

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or

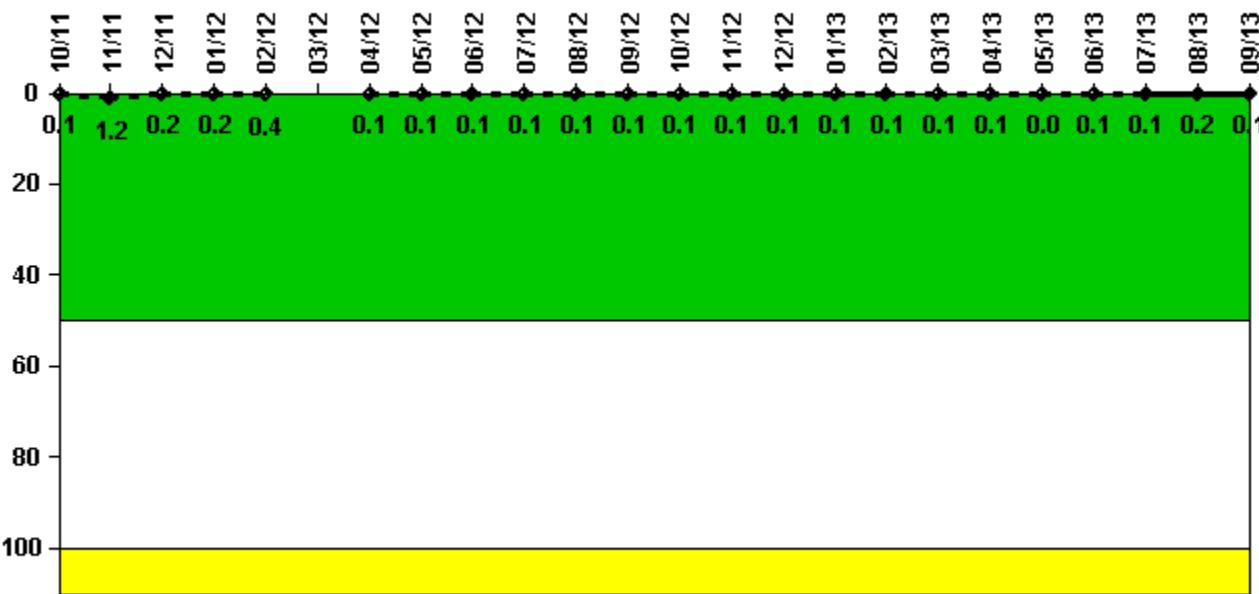
less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

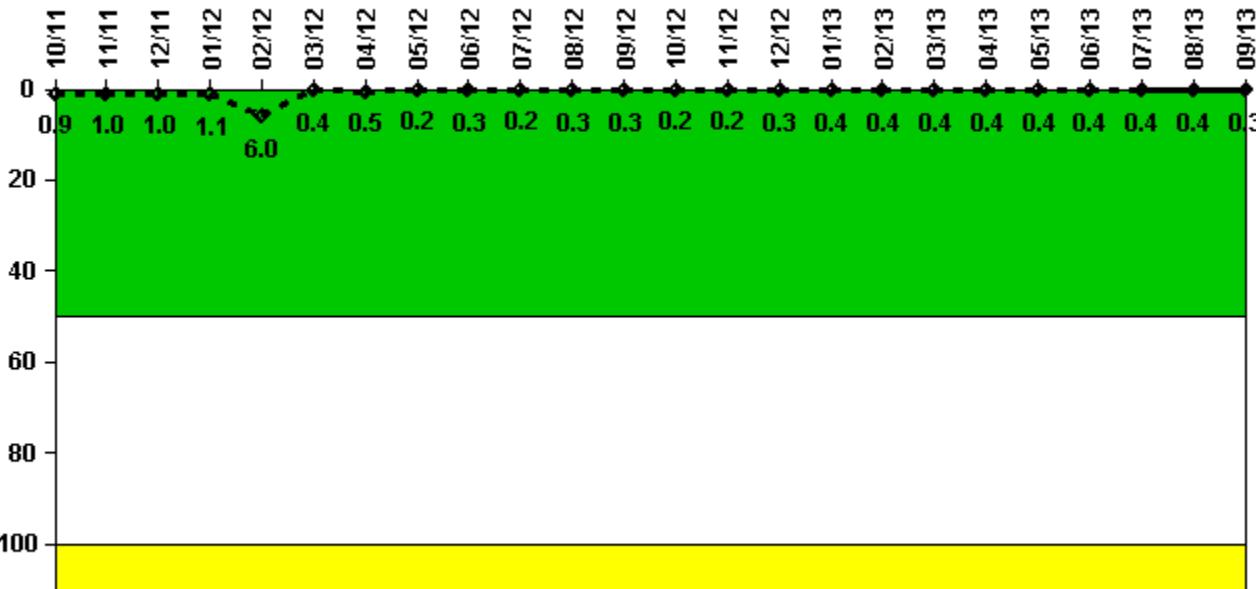
Notes

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	0.000436	0.004270	0.000609	0.000584	0.001269	N/A	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	1.2	0.2	0.2	0.4	N/A	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430	0.000465	0.000063	0.000491	0.000510	0.000566	0.000504
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

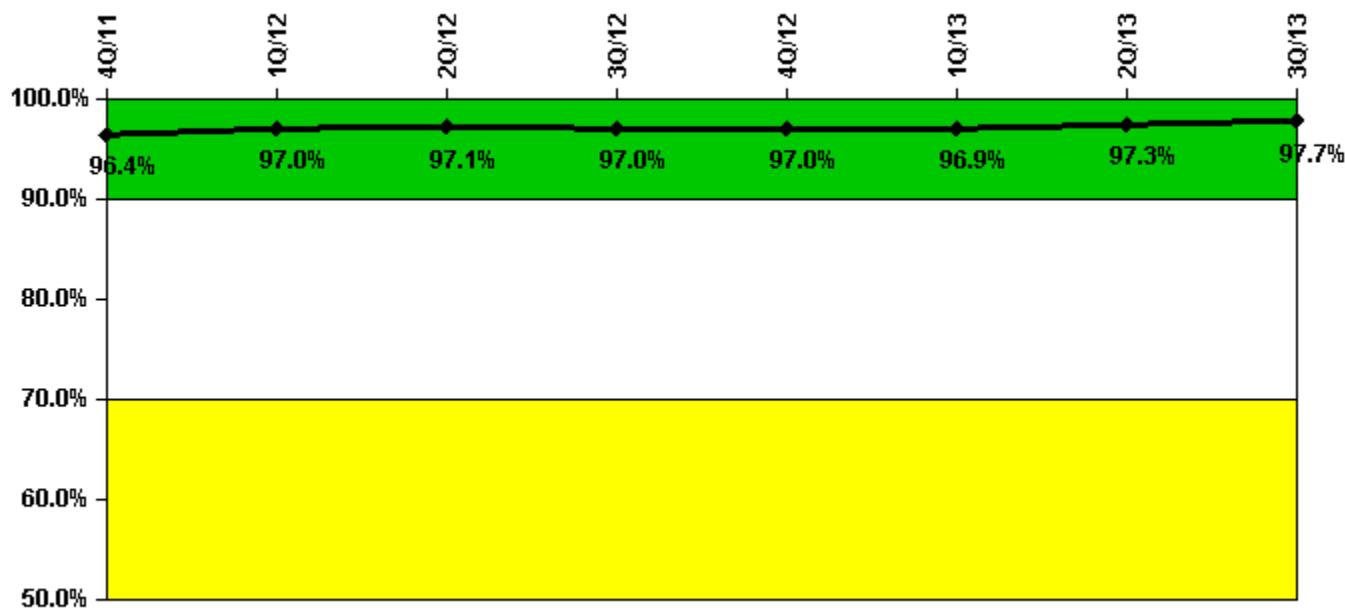
Notes

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	0.090	0.100	0.100	0.110	0.600	0.040	0.050	0.020	0.030	0.020	0.030	0.030
Indicator value	0.9	1.0	1.0	1.1	6.0	0.4	0.5	0.2	0.3	0.2	0.3	0.3
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	0.020	0.020	0.030	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.3	0.4	0.3							

Licensee Comments: none

Drill/Exercise Performance



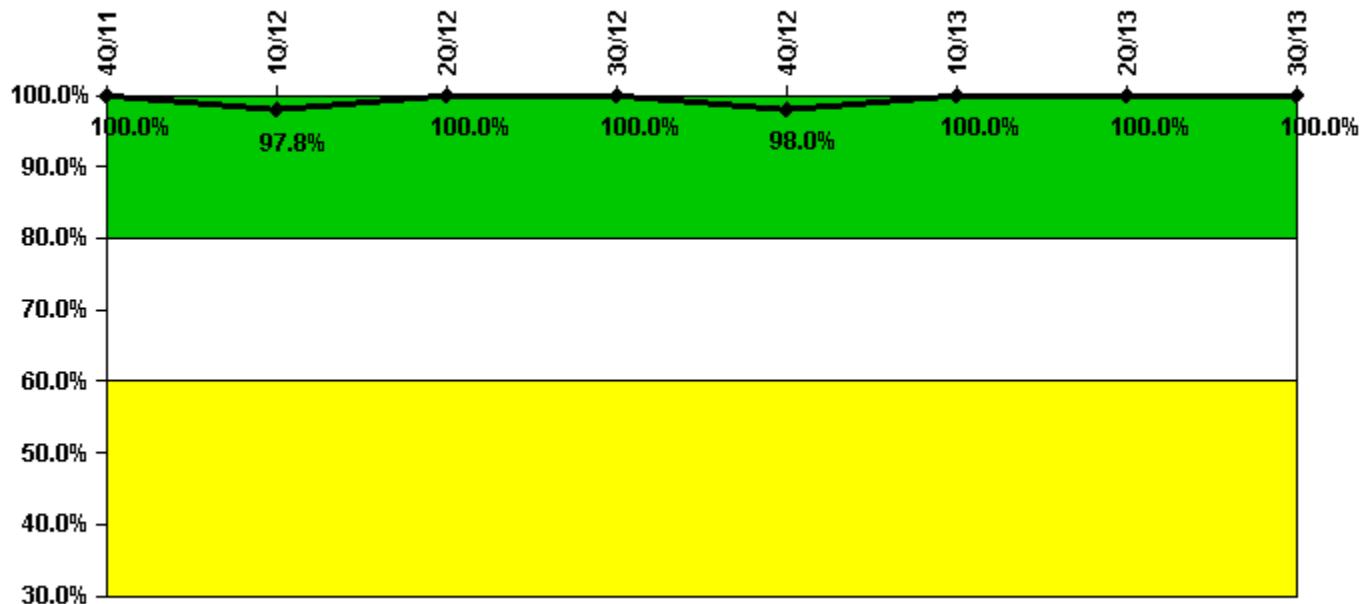
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	70.0	6.0	32.0	87.0	10.0	41.0	50.0	82.0
Total opportunities	73.0	6.0	32.0	90.0	10.0	42.0	50.0	84.0
Indicator value	96.4%	97.0%	97.1%	97.0%	97.0%	96.9%	97.3%	97.7%

Licensee Comments: none

ERO Drill Participation



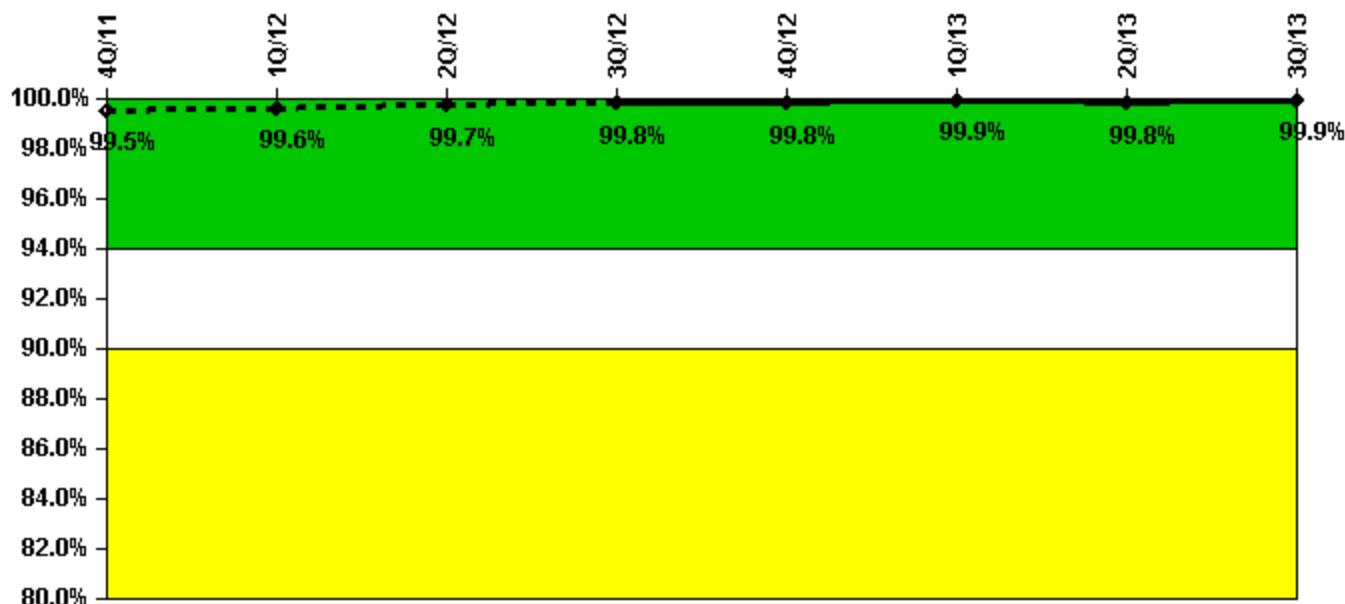
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	90.0	88.0	99.0	97.0	99.0	97.0	98.0	97.0
Total Key personnel	90.0	90.0	99.0	97.0	101.0	97.0	98.0	97.0
Indicator value	100.0%	97.8%	100.0%	100.0%	98.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



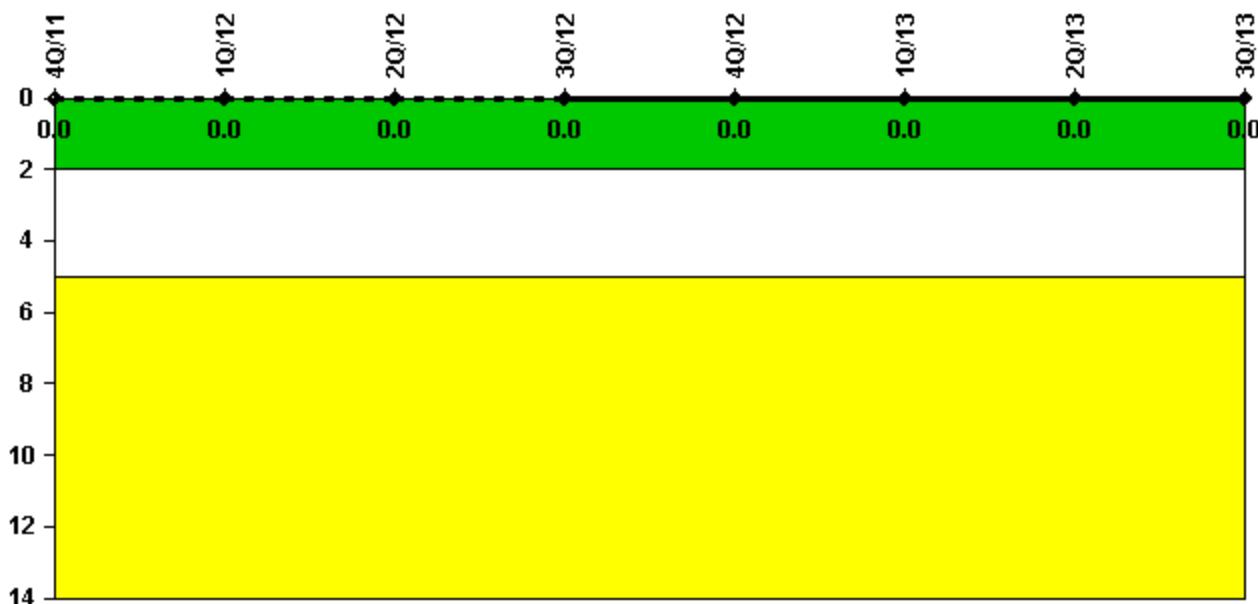
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	862	863	864	861	753	978	889	1014
Total sirens-tests	864	864	864	864	755	978	890	1016
Indicator value	99.5%	99.6%	99.7%	99.8%	99.8%	99.9%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



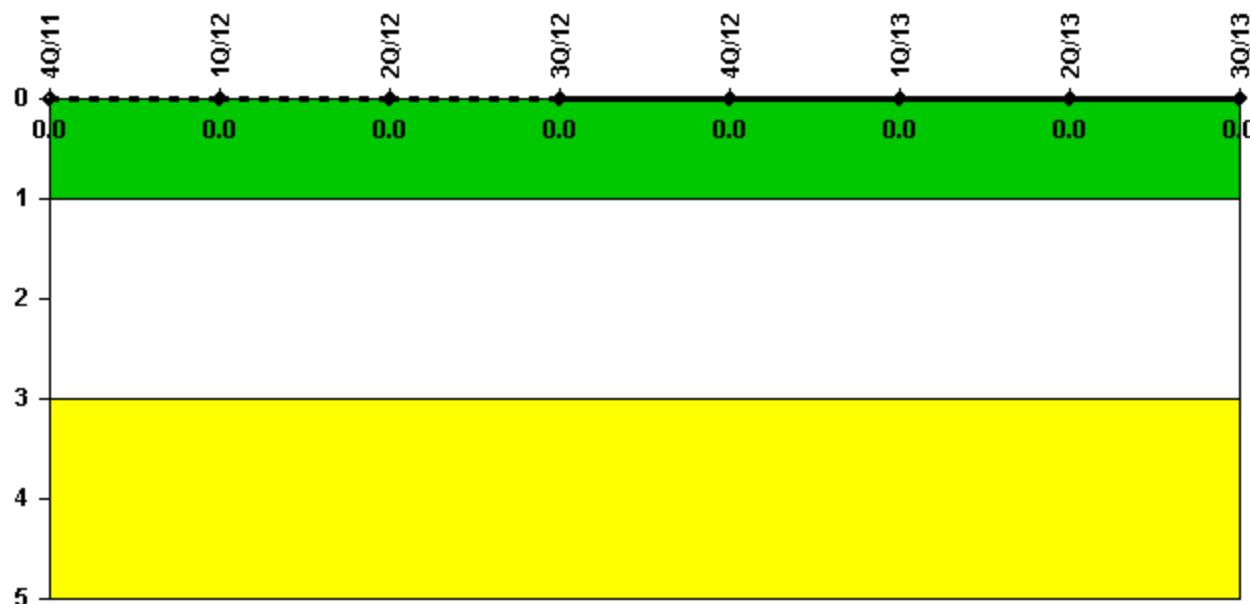
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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



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

Last Modified: October 22, 2013

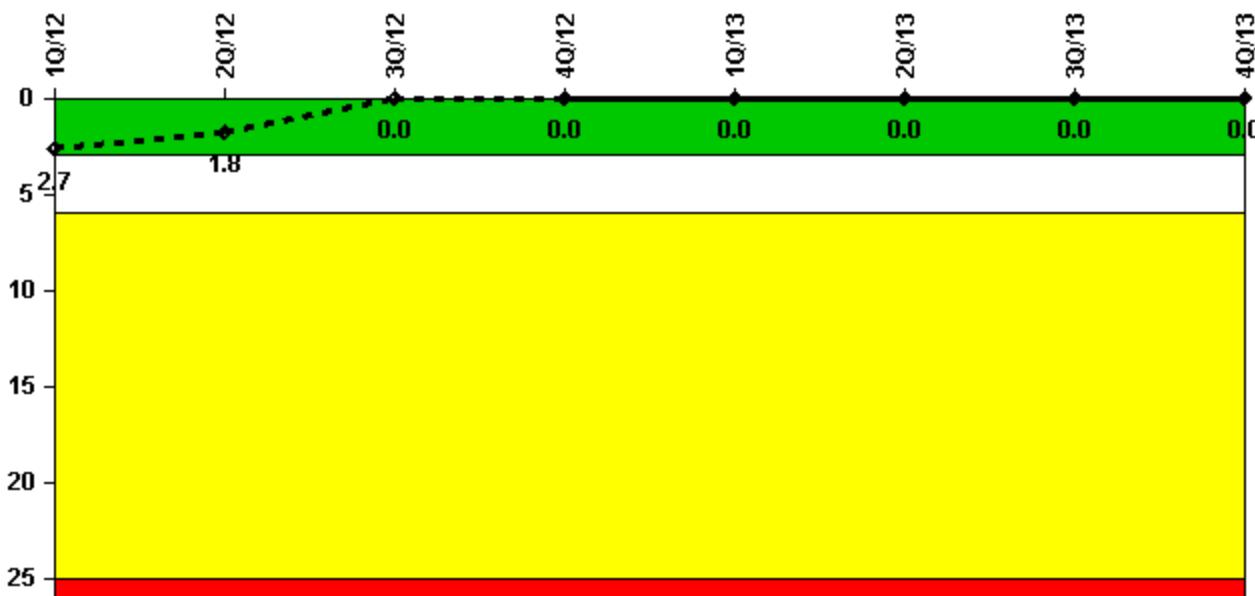
Sequoyah 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



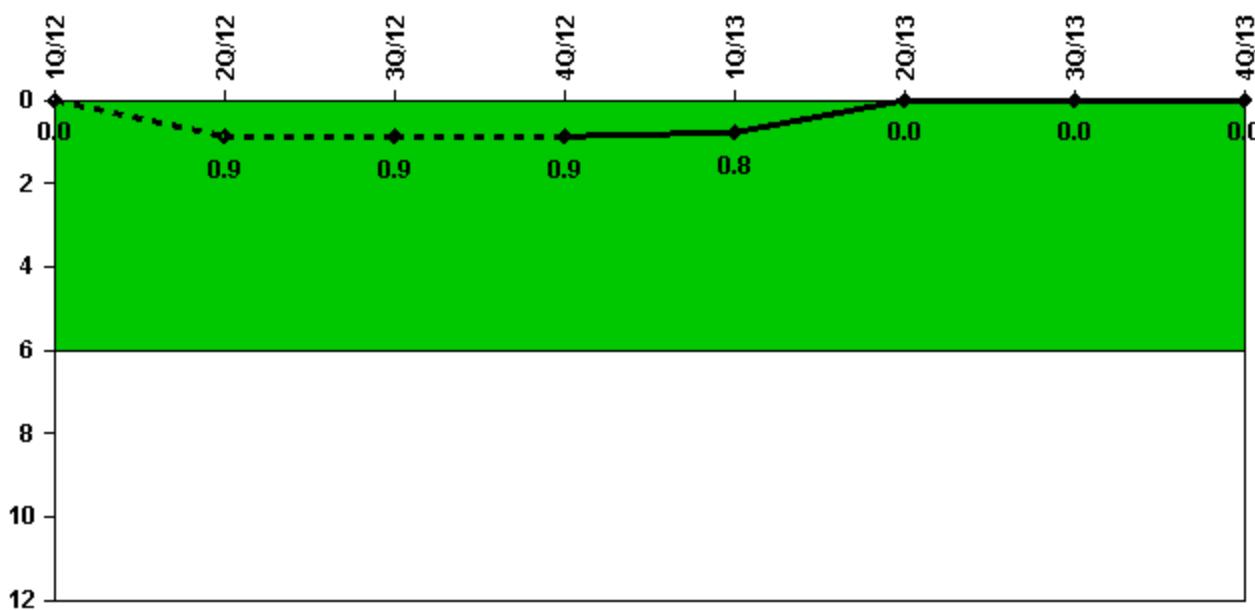
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1304.9
Indicator value	2.7	1.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



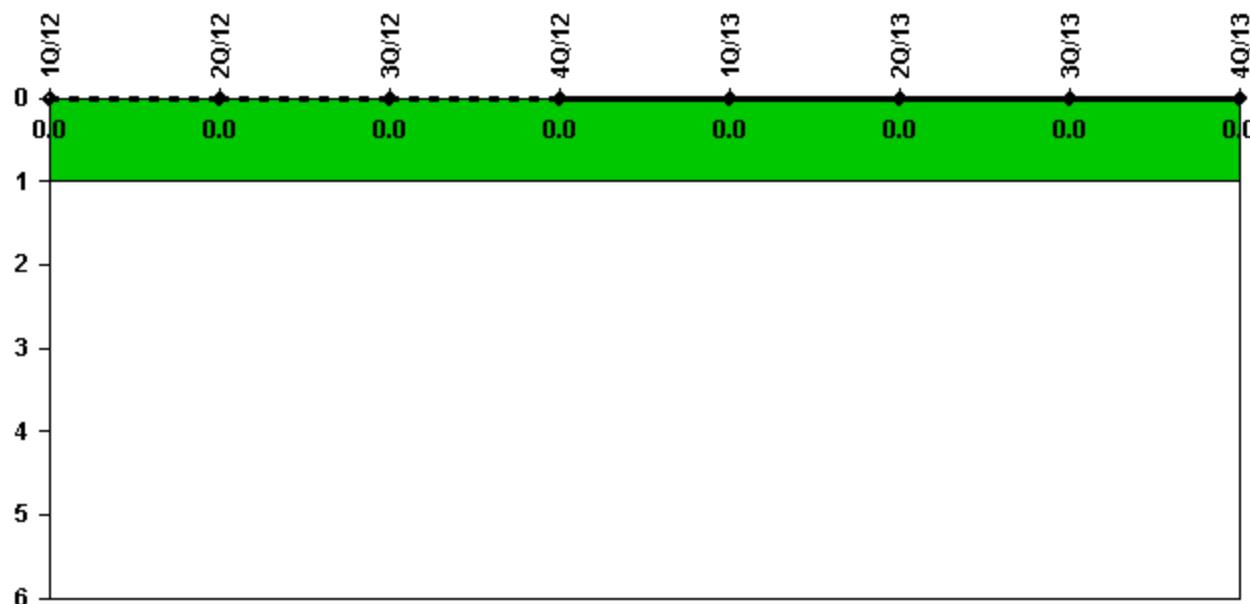
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1386.4	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1304.9
Indicator value	0	0.9	0.9	0.9	0.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



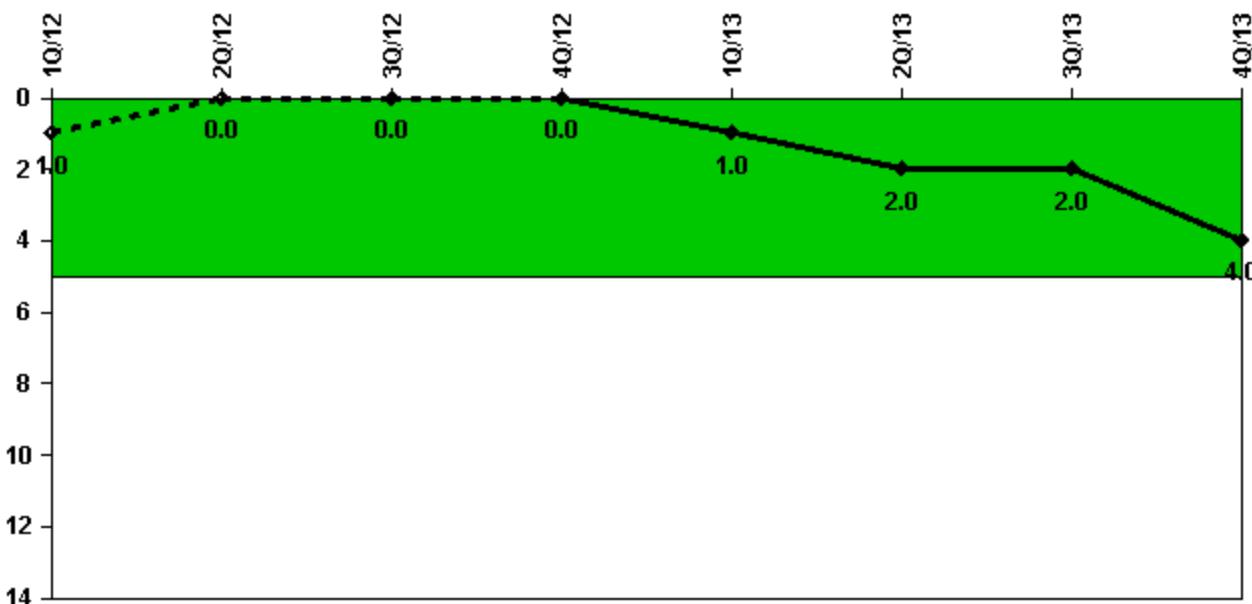
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

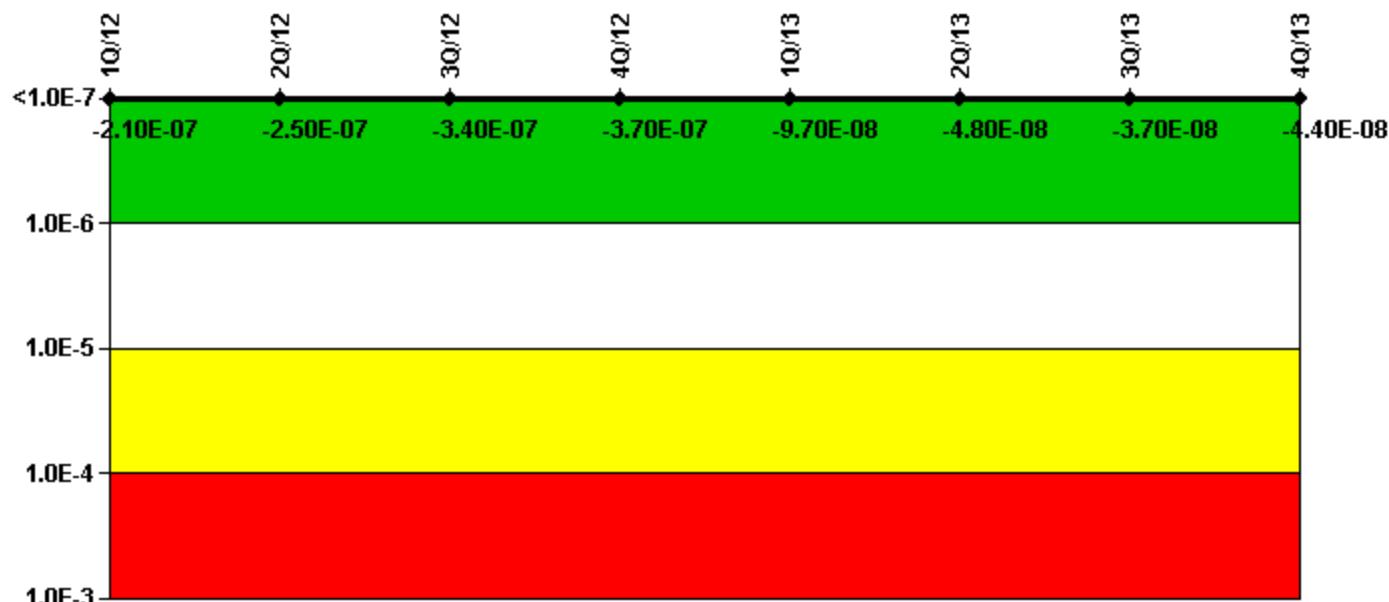
Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	0	1	1	0	2
Indicator value	1	0	0	0	1	2	2	4

Licensee Comments:

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

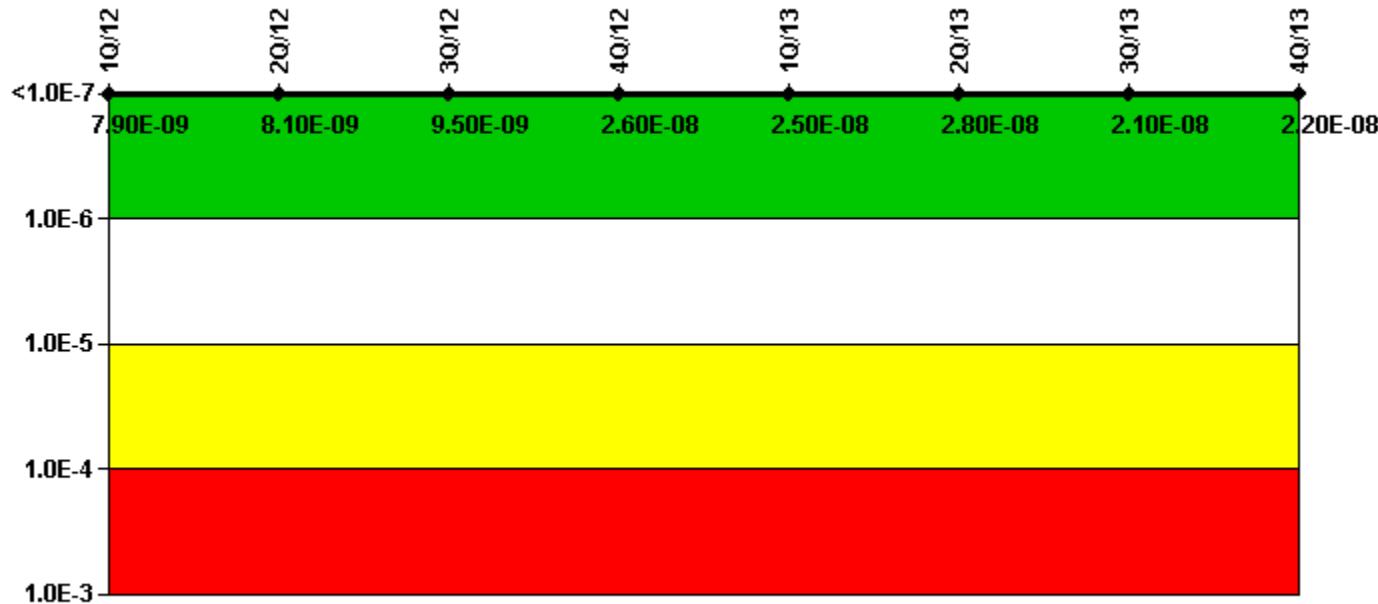
Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	6.06E-08	1.63E-08	1.67E-08	2.54E-08	4.18E-08	8.19E-08	9.71E-08	9.27E-08
URI (Δ CDF)	-2.72E-07	-2.65E-07	-3.60E-07	-3.95E-07	-1.39E-07	-1.29E-07	-1.34E-07	-1.36E-07
PLE	NO							
Indicator value	-2.10E-07	-2.50E-07	-3.40E-07	-3.70E-07	-9.70E-08	-4.80E-08	-3.70E-08	-4.40E-08

Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

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)	8.35E-09	8.54E-09	9.93E-09	2.62E-08	2.59E-08	2.86E-08	2.16E-08	2.22E-08
URI (Δ CDF)	-4.22E-10	-4.23E-10	-4.24E-10	-6.33E-10	-6.34E-10	-6.34E-10	-6.35E-10	-6.36E-10
PLE	NO							
Indicator value	7.90E-09	8.10E-09	9.50E-09	2.60E-08	2.50E-08	2.80E-08	2.10E-08	2.20E-08

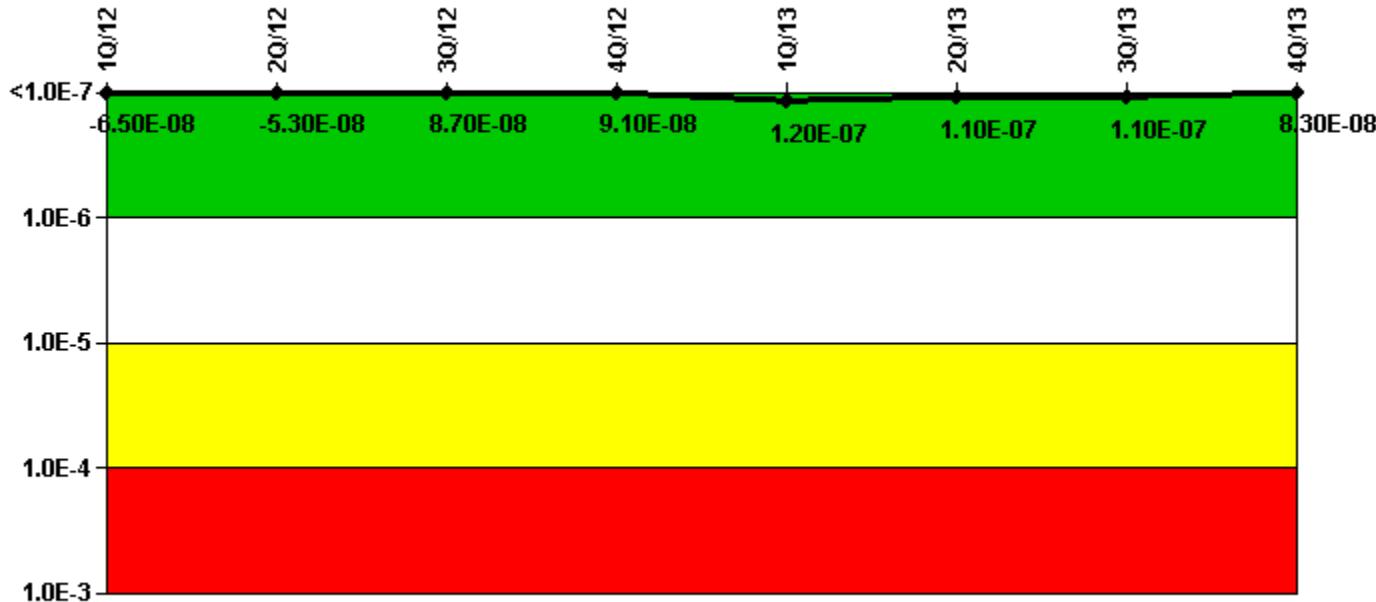
Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	2.15E-07	2.23E-07	3.62E-07	2.23E-07	2.50E-07	2.46E-07	2.41E-07	2.11E-07
URI (Δ CDF)	-2.80E-07	-2.75E-07	-2.75E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.50E-08	-5.30E-08	8.70E-08	9.10E-08	1.20E-07	1.10E-07	1.10E-07	8.30E-08

Licensee Comments:

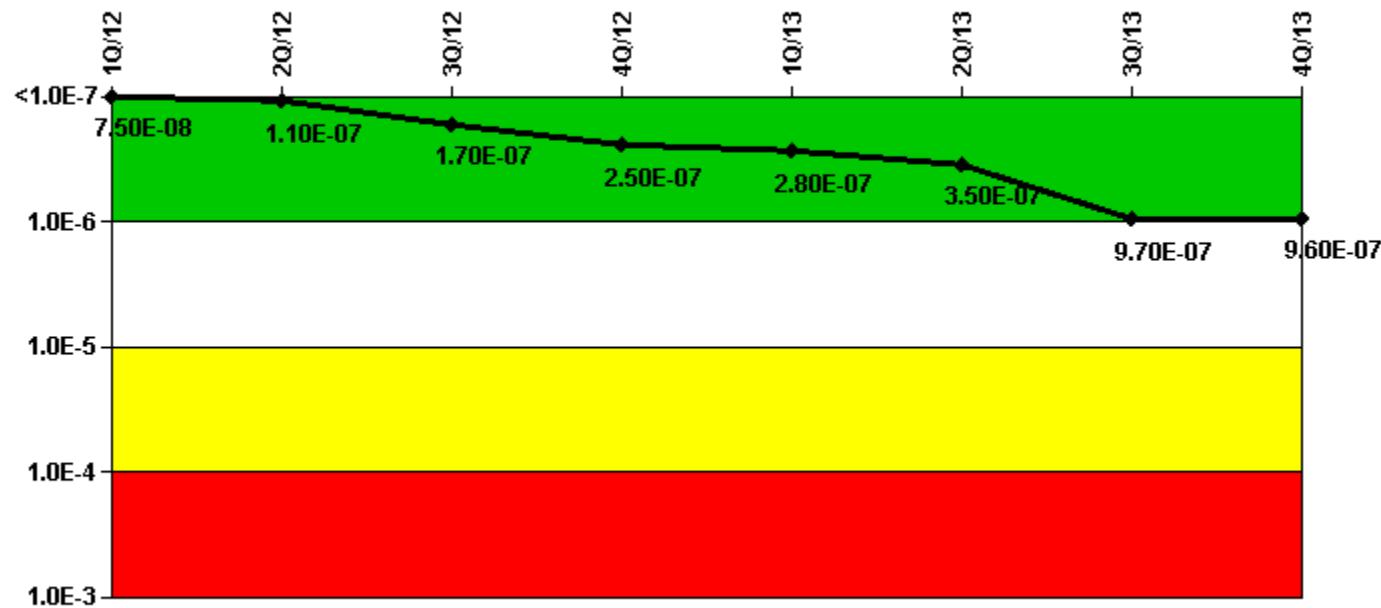
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by

NEI 99-02. Ref PER 483857.

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)	2.50E-07	2.87E-07	3.48E-07	4.63E-07	4.96E-07	5.65E-07	6.91E-07	6.81E-07
URI (Δ CDF)	-1.75E-07	-1.75E-07	-1.75E-07	-2.10E-07	-2.14E-07	-2.17E-07	2.80E-07	2.77E-07
PLE	NO							
Indicator value	7.50E-08	1.10E-07	1.70E-07	2.50E-07	2.80E-07	3.50E-07	9.70E-07	9.60E-07

Licensee Comments:

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The

base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

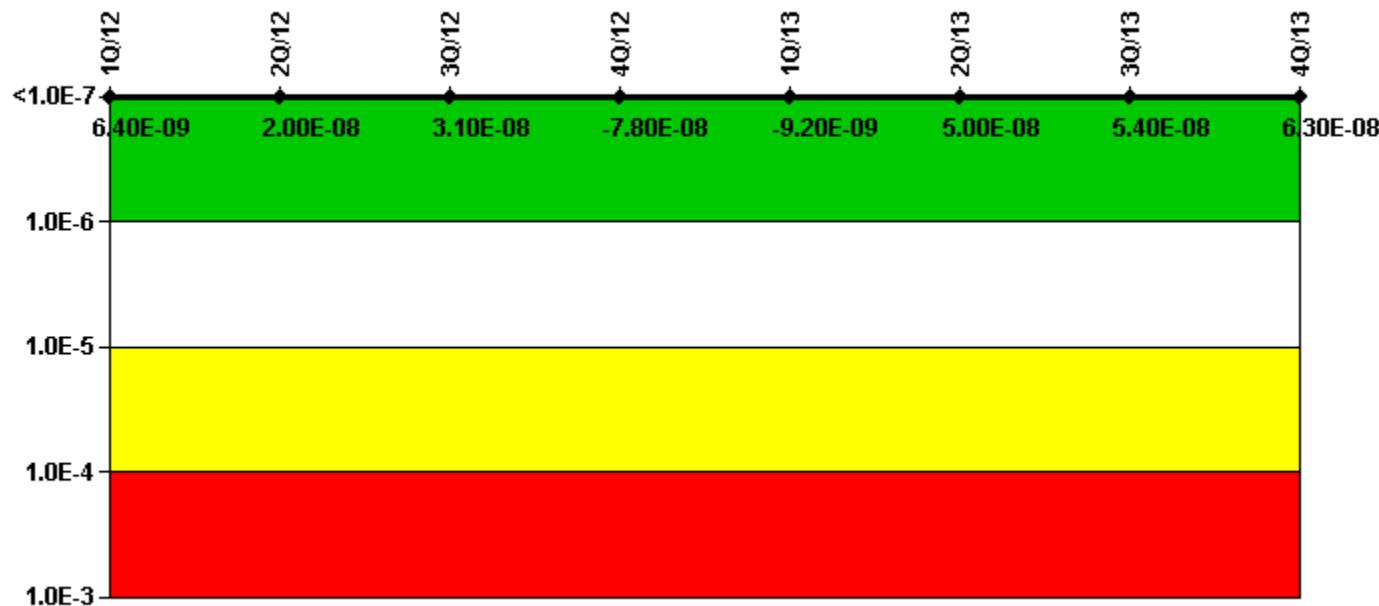
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

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)	8.12E-08	9.48E-08	1.06E-07	5.07E-08	1.19E-07	1.78E-07	1.82E-07	1.91E-07
URI (Δ CDF)	-7.49E-08	-7.49E-08	-7.49E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.40E-09	2.00E-08	3.10E-08	-7.80E-08	-9.20E-09	5.00E-08	5.40E-08	6.30E-08

Licensee Comments:

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

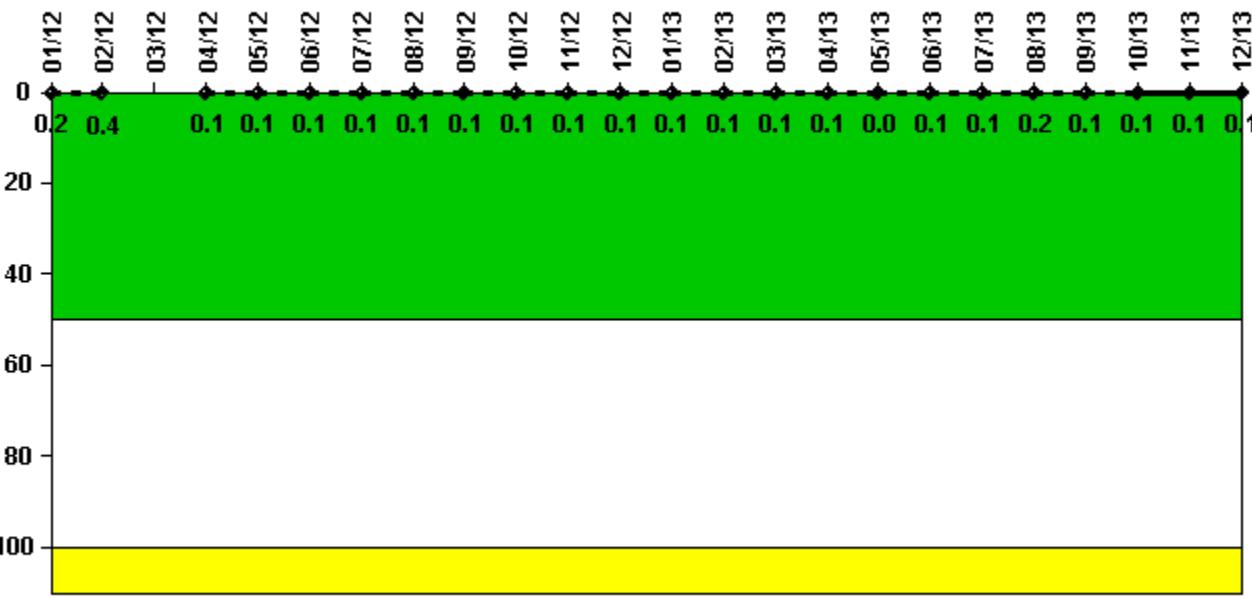
2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW

pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



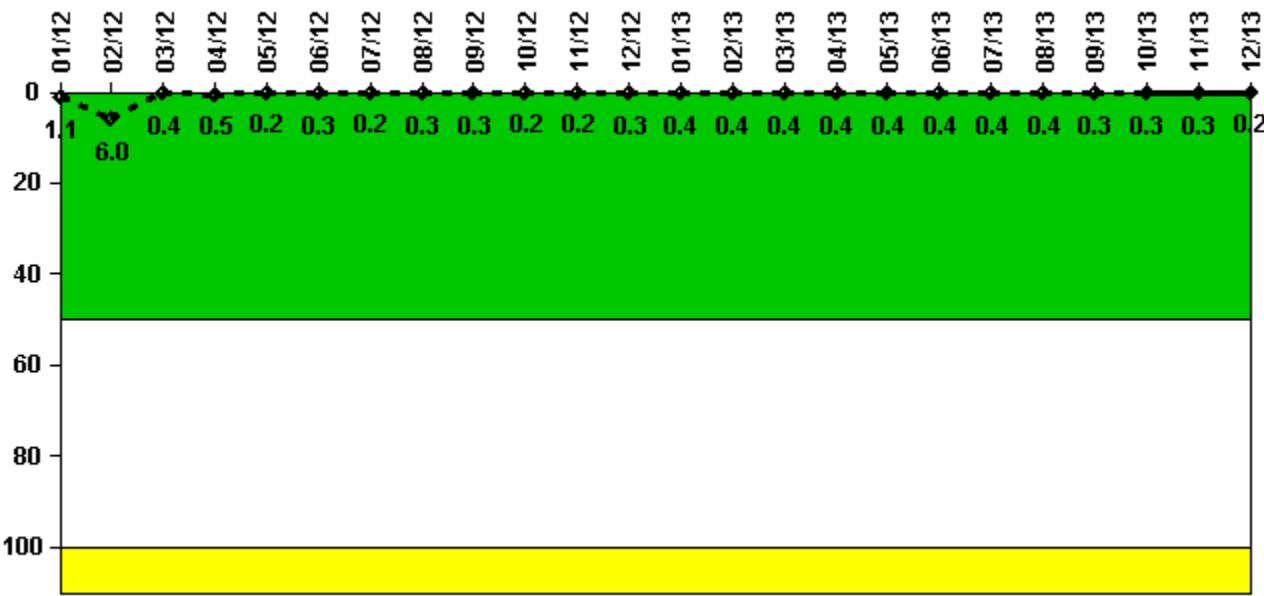
Thresholds: White > 50.0 Yellow > 100.0

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	0.000584	0.001269	N/A	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.4	N/A	0.1								
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	0.000412	0.000445	0.000430	0.000465	0.000063	0.000491	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0	0.1	0.1	0.2	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



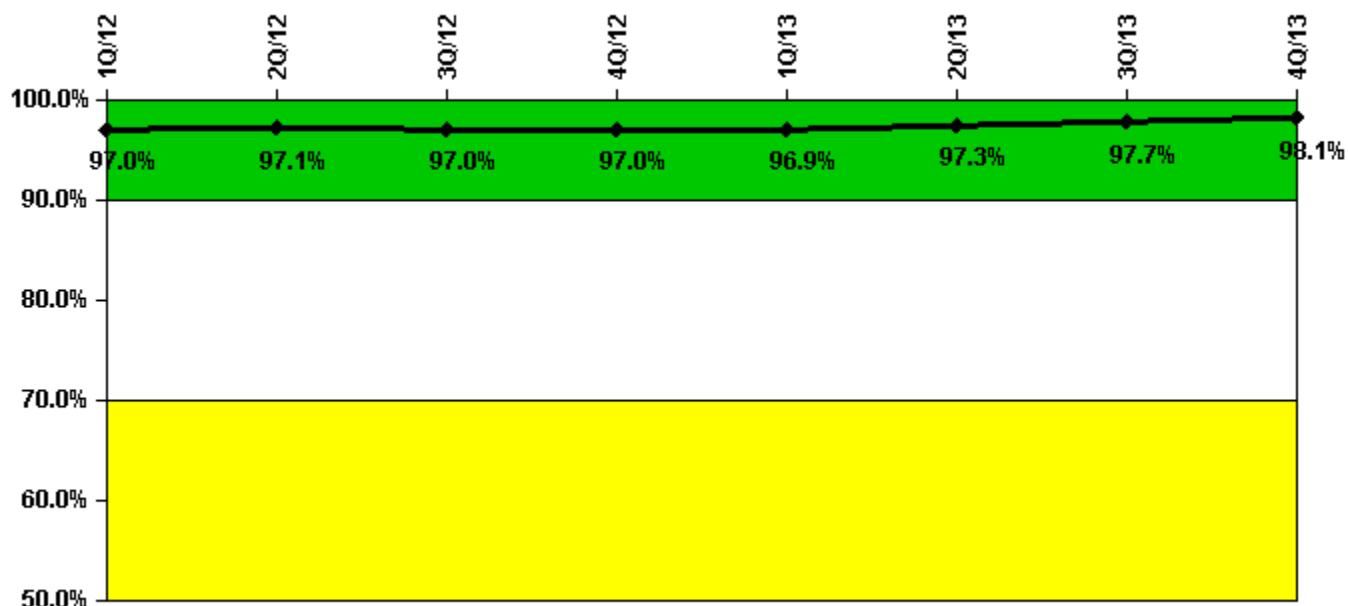
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.110	0.600	0.040	0.050	0.020	0.030	0.020	0.030	0.030	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	6.0	0.4	0.5	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3
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	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.3	0.3	0.2							

Licensee Comments: none

Drill/Exercise Performance



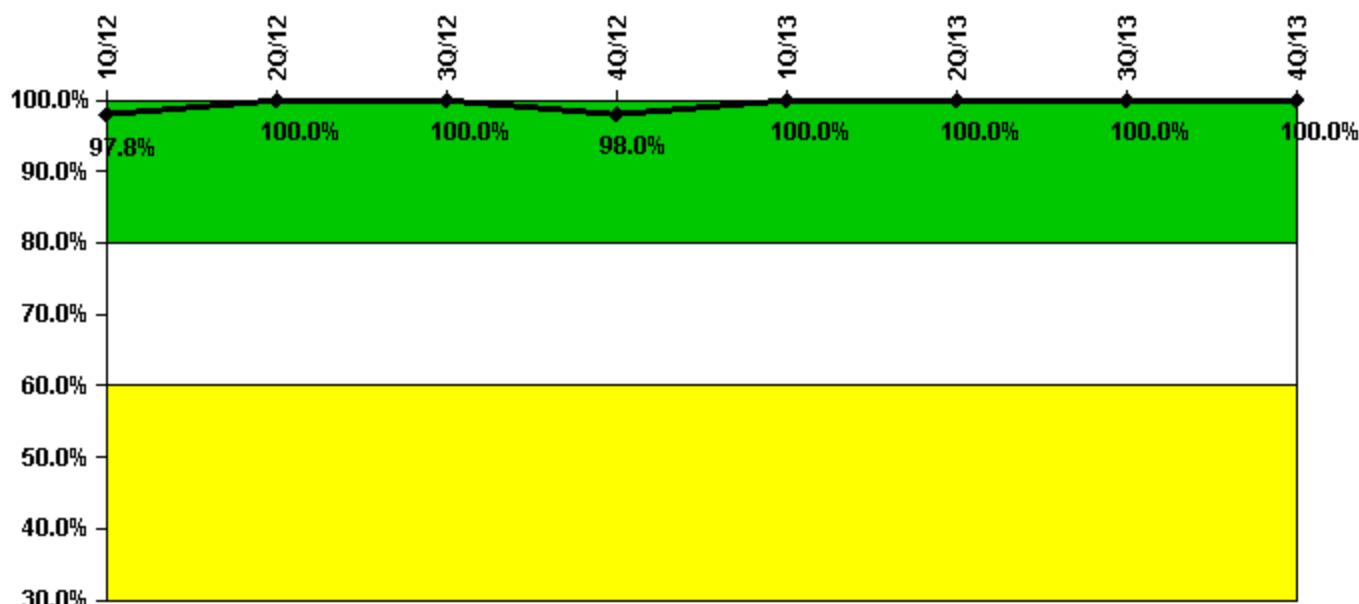
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	6.0	32.0	87.0	10.0	41.0	50.0	82.0	0
Total opportunities	6.0	32.0	90.0	10.0	42.0	50.0	84.0	0
Indicator value	97.0%	97.1%	97.0%	97.0%	96.9%	97.3%	97.7%	98.1%

Licensee Comments: none

ERO Drill Participation



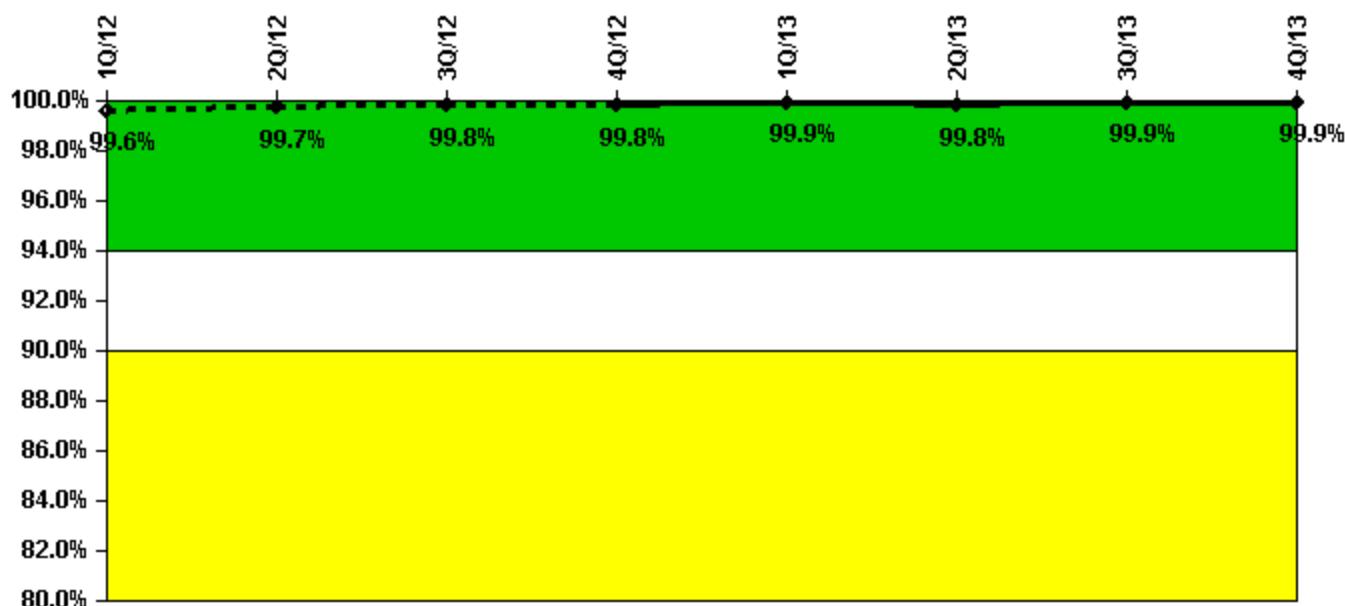
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	88.0	99.0	97.0	99.0	97.0	98.0	97.0	92.0
Total Key personnel	90.0	99.0	97.0	101.0	97.0	98.0	97.0	92.0
Indicator value	97.8%	100.0%	100.0%	98.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



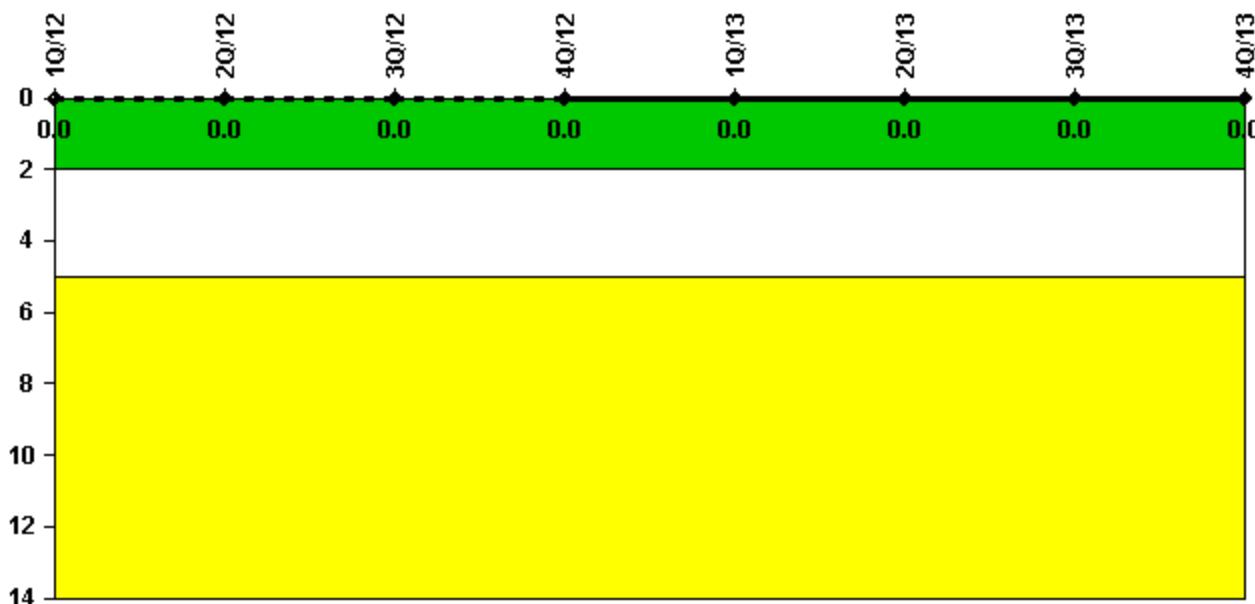
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	863	864	861	753	978	889	1014	790
Total sirens-tests	864	864	864	755	978	890	1016	791
Indicator value	99.6%	99.7%	99.8%	99.8%	99.9%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



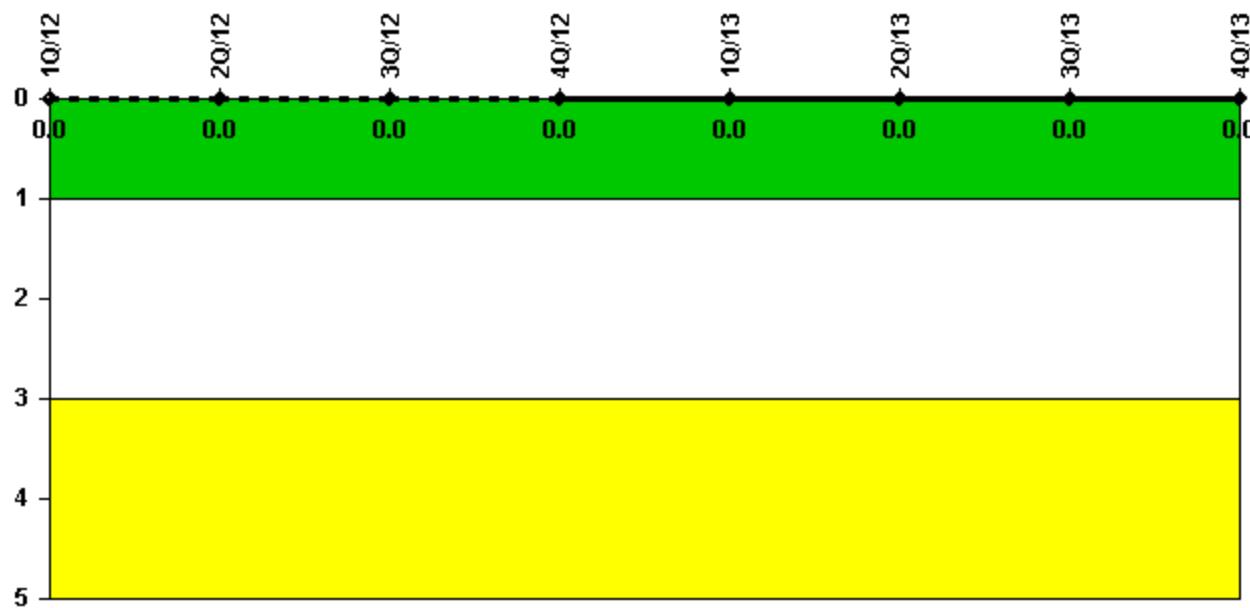
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

Sequoyah 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

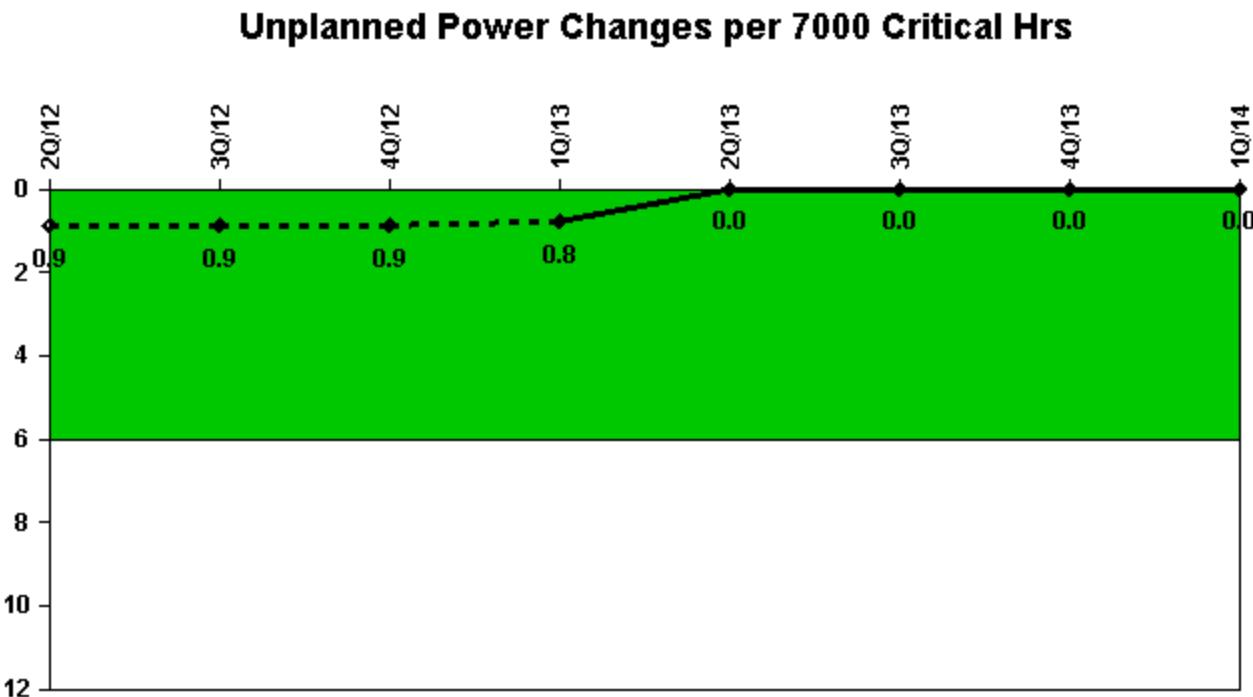


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2159.0	2184.0	2208.0	1304.9	2159.0
Indicator value	1.8	0	0	0	0	0	0	0

Licensee Comments: none



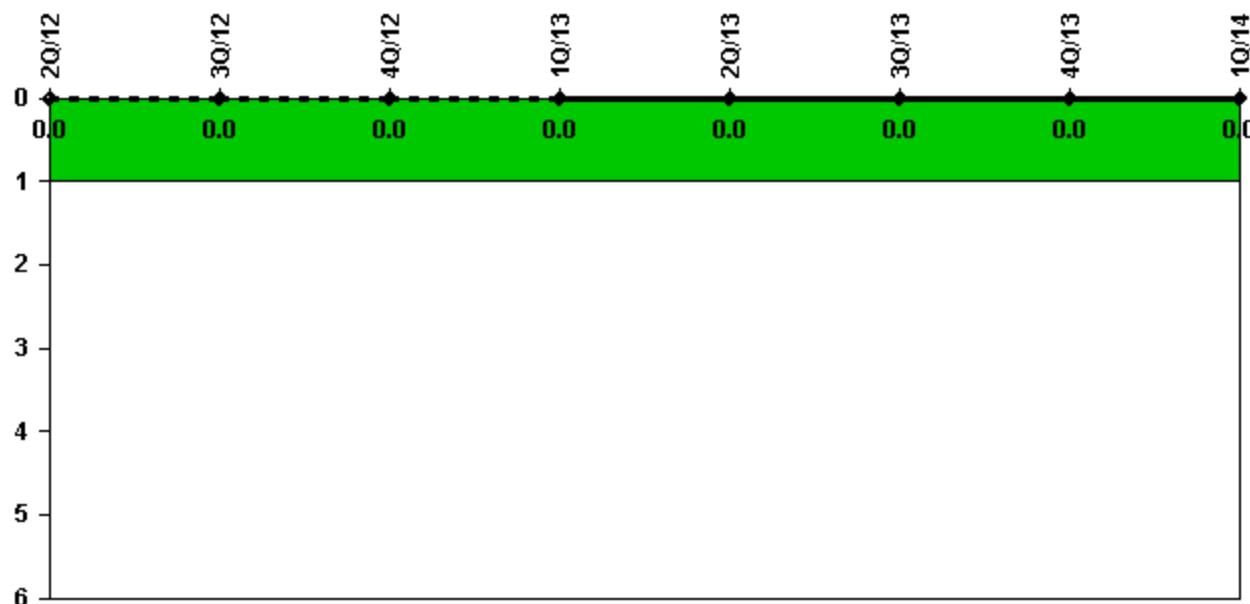
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1304.9	2159.0
Indicator value	0.9	0.9	0.9	0.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



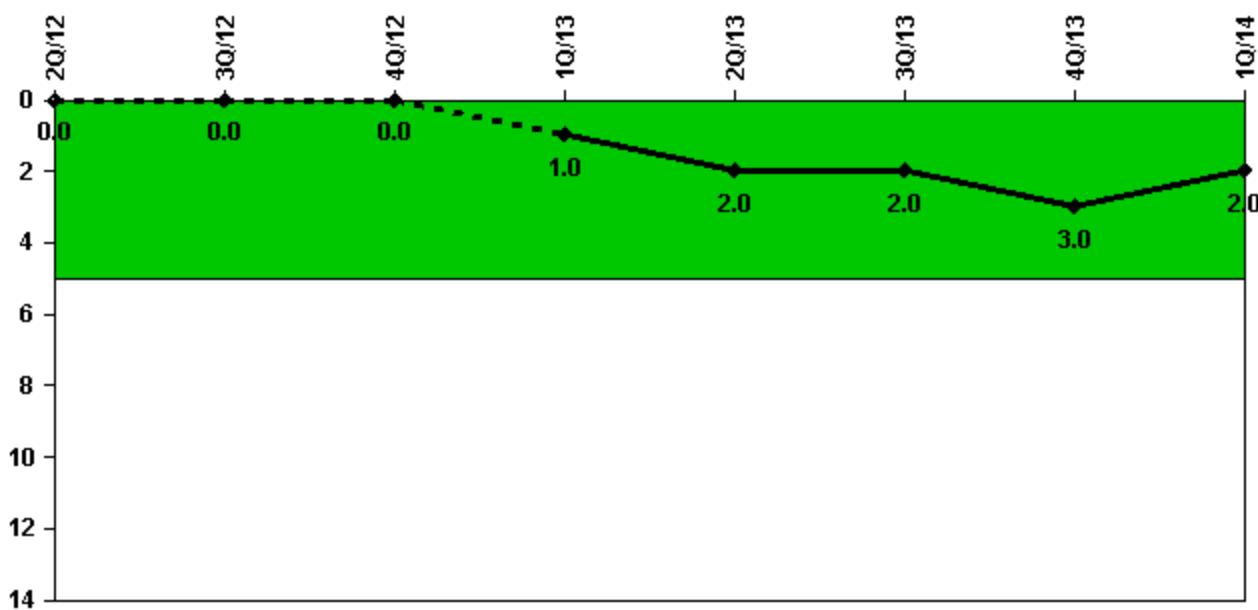
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	1	1	0	1	0
Indicator value	0	0	0	1	2	2	3	2

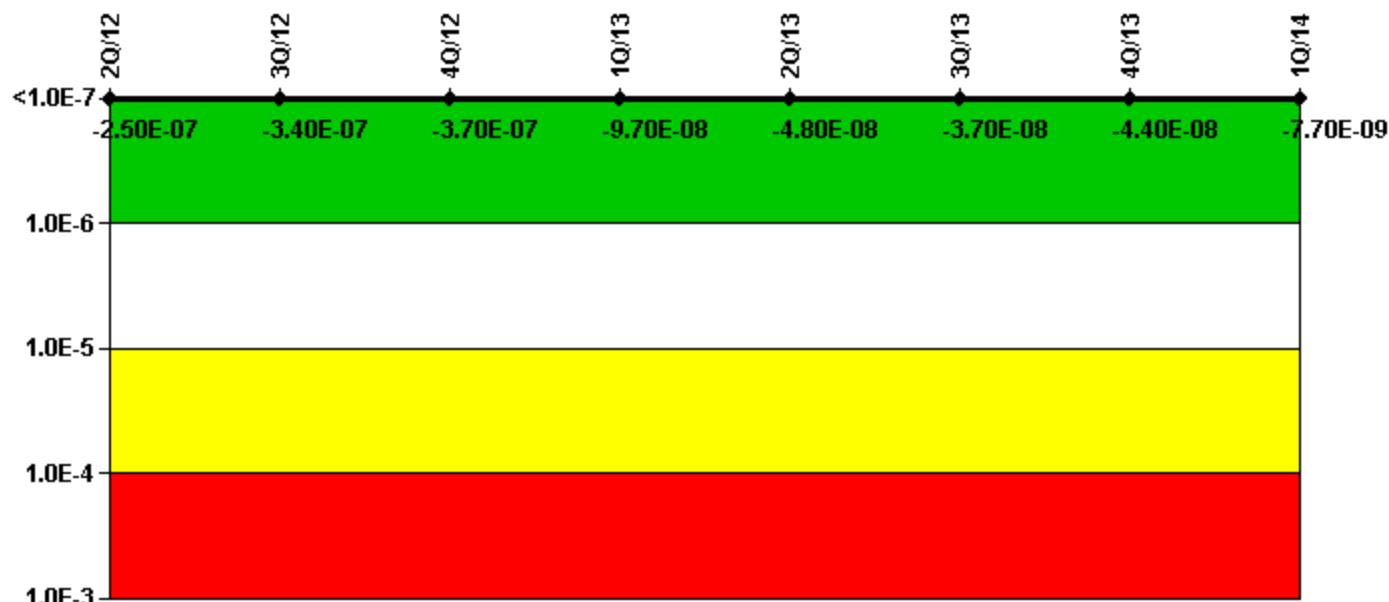
Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

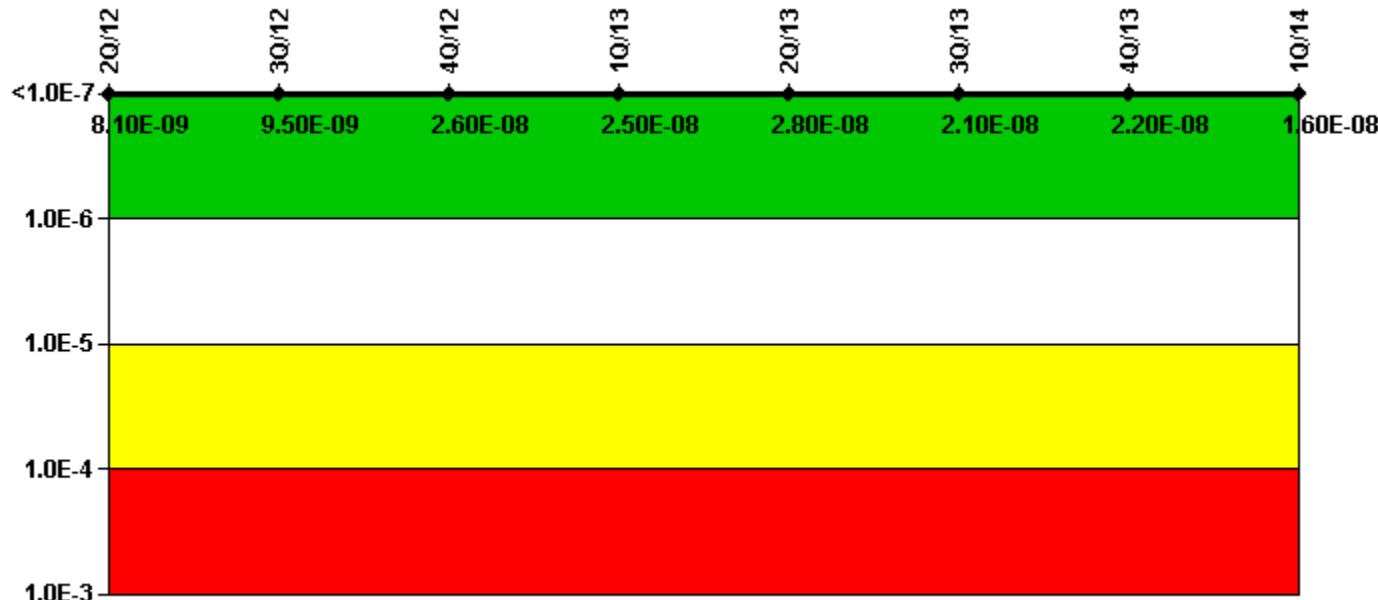
Mitigating Systems Performance Index, Emergency AC Power System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	1.63E-08	1.67E-08	2.54E-08	4.18E-08	8.19E-08	9.71E-08	9.27E-08	1.26E-08
URI (Δ CDF)	-2.65E-07	-3.60E-07	-3.95E-07	-1.39E-07	-1.29E-07	-1.34E-07	-1.36E-07	-2.03E-08
PLE	NO							
Indicator value	-2.50E-07	-3.40E-07	-3.70E-07	-9.70E-08	-4.80E-08	-3.70E-08	-4.40E-08	-7.70E-09

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

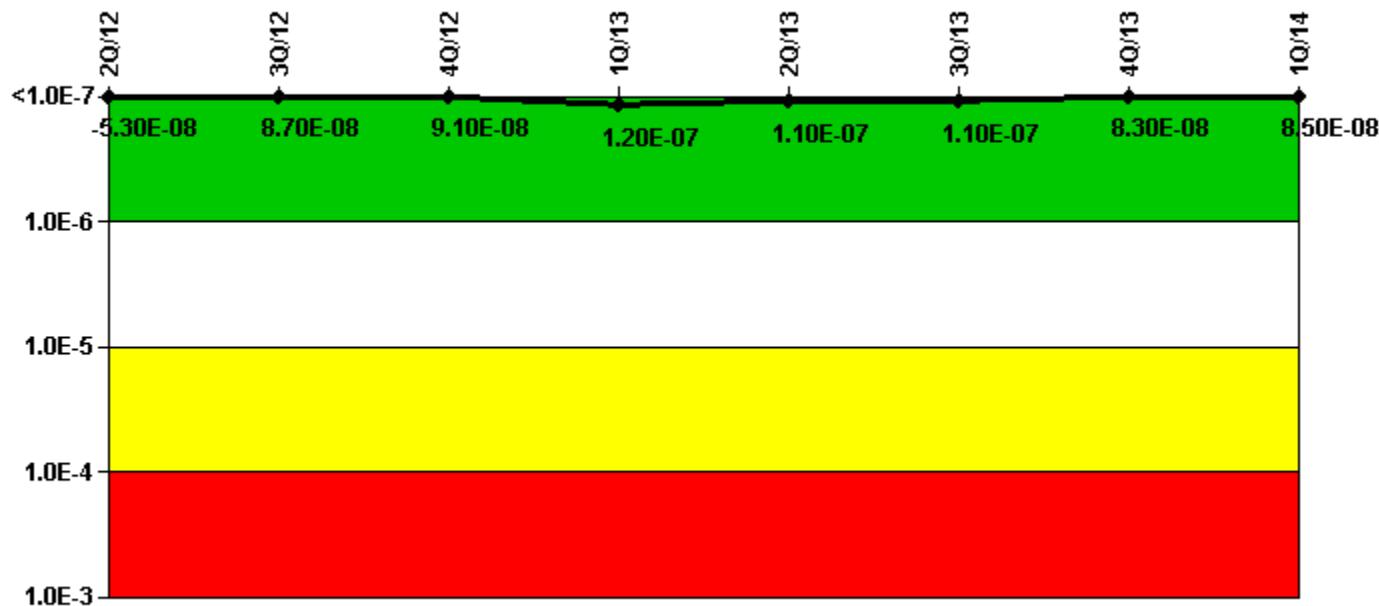
Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	8.54E-09	9.93E-09	2.62E-08	2.59E-08	2.86E-08	2.16E-08	2.22E-08	1.68E-08
URI (Δ CDF)	-4.23E-10	-4.24E-10	-6.33E-10	-6.34E-10	-6.34E-10	-6.35E-10	-6.36E-10	-4.76E-10
PLE	NO							
Indicator value	8.10E-09	9.50E-09	2.60E-08	2.50E-08	2.80E-08	2.10E-08	2.20E-08	1.60E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

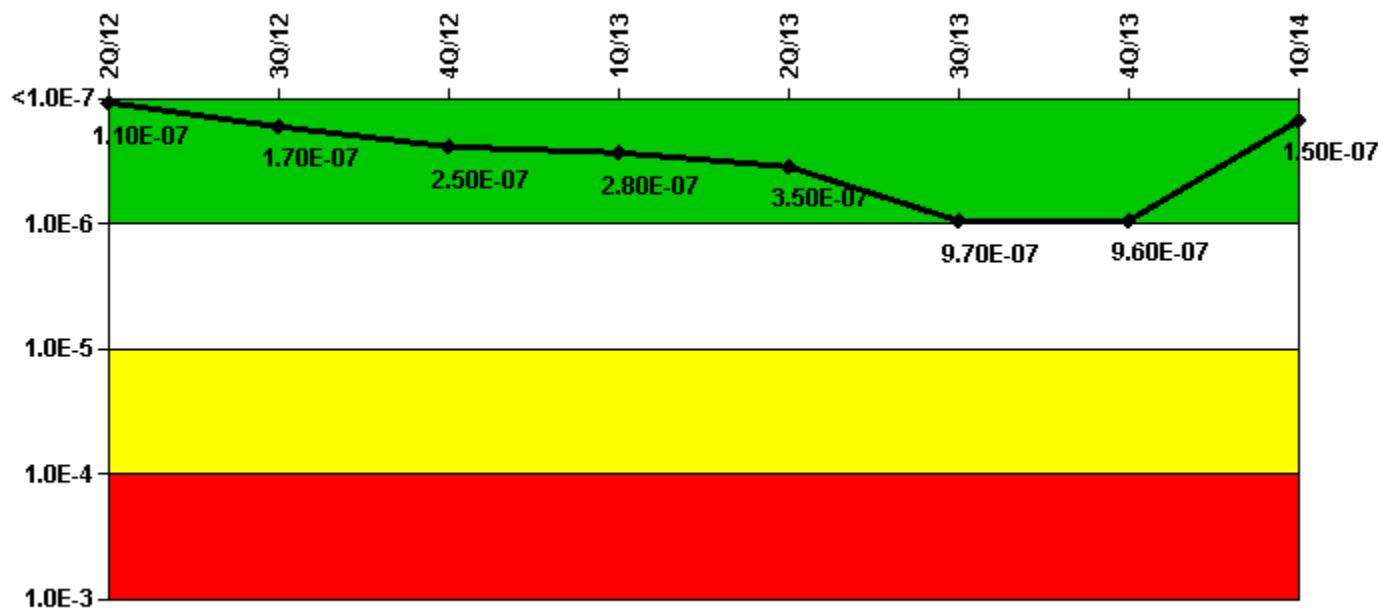
Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	2.23E-07	3.62E-07	2.23E-07	2.50E-07	2.46E-07	2.41E-07	2.11E-07	2.40E-07
URI (Δ CDF)		-2.75E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.27E-07	-1.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.30E-08	8.70E-08	9.10E-08	1.20E-07	1.10E-07	1.10E-07	8.30E-08	8.50E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	2.87E-07	3.48E-07	4.63E-07	4.96E-07	5.65E-07	6.91E-07	6.81E-07	3.59E-08
URI (Δ CDF)	-1.75E-07	-1.75E-07	-2.10E-07	-2.14E-07	-2.17E-07	2.80E-07	2.77E-07	1.14E-07
PLE	NO							
Indicator value	1.10E-07	1.70E-07	2.50E-07	2.80E-07	3.50E-07	9.70E-07	9.60E-07	1.50E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

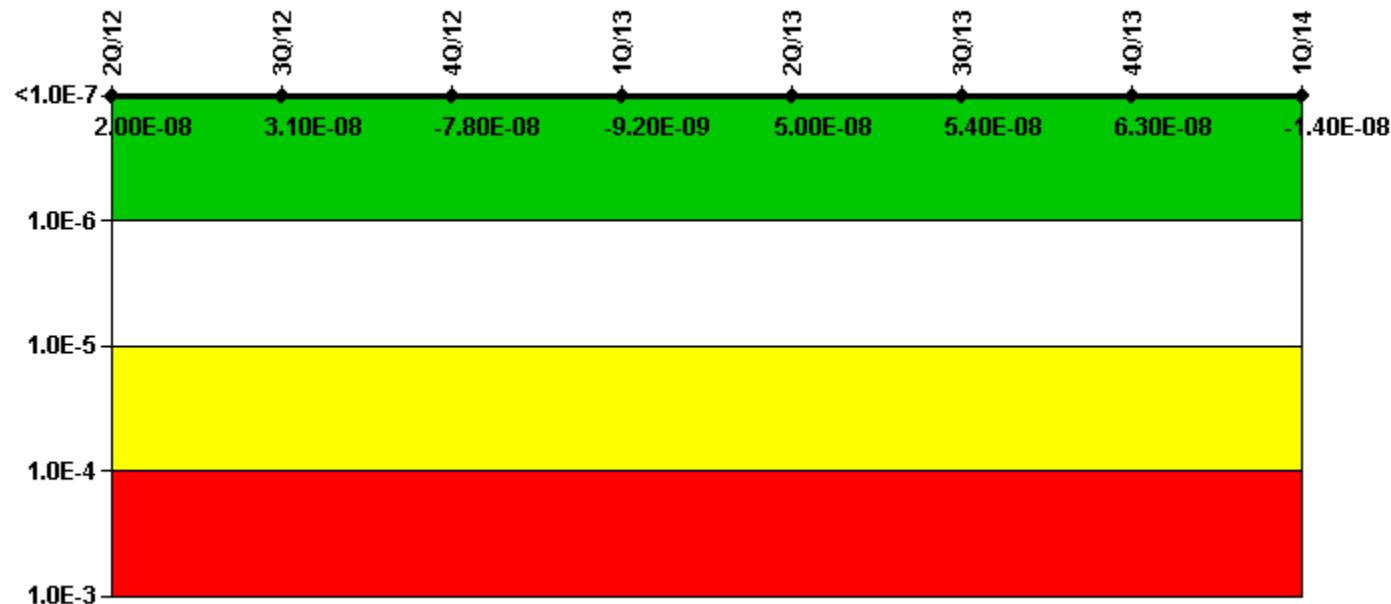
3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The

base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	9.48E-08	1.06E-07	5.07E-08	1.19E-07	1.78E-07	1.82E-07	1.91E-07	1.86E-08
URI (Δ CDF)	-7.49E-08	-7.49E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-3.25E-08
PLE	NO							
Indicator value	2.00E-08	3.10E-08	-7.80E-08	-9.20E-09	5.00E-08	5.40E-08	6.30E-08	-1.40E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

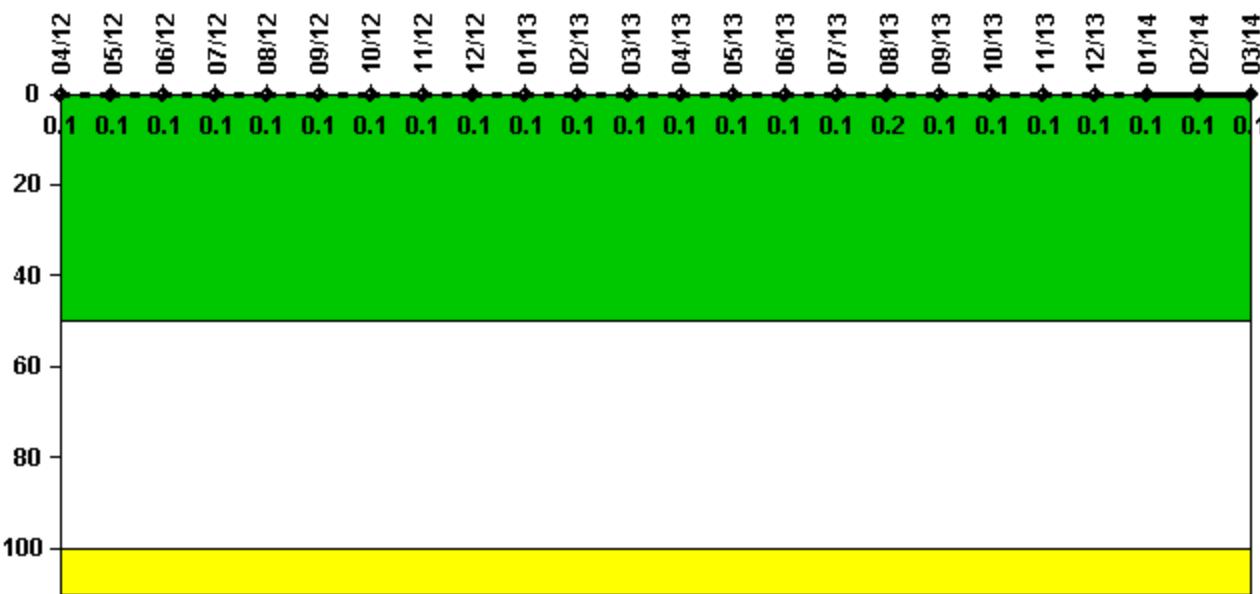
3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

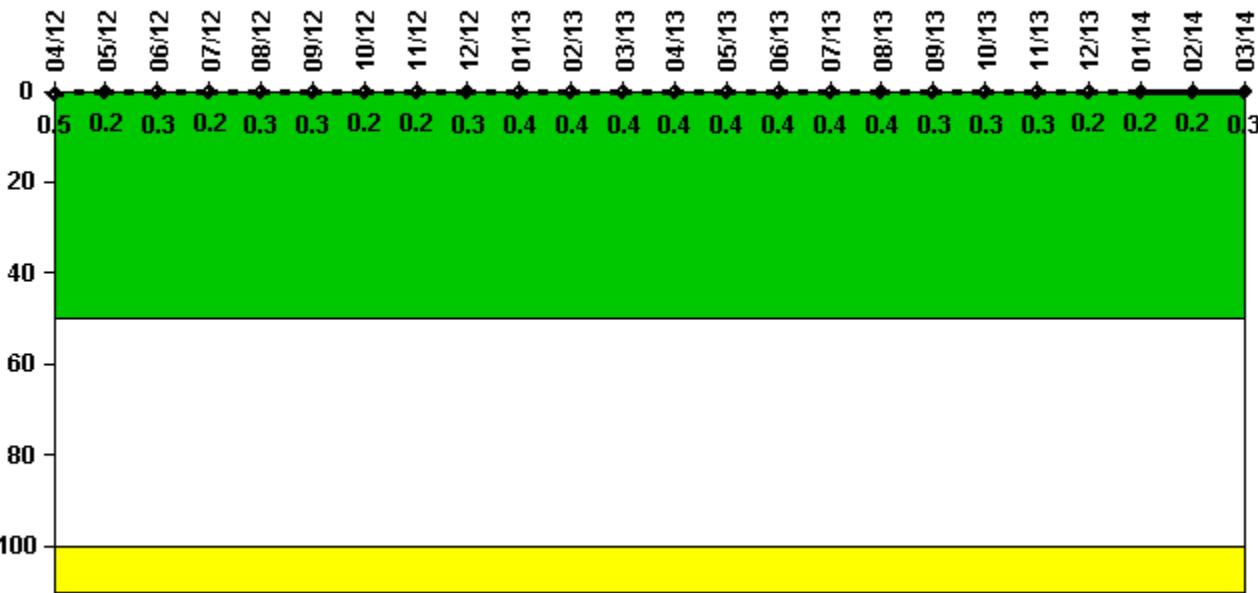
Notes

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	0.000284	0.000305	0.000289	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000465	0.000479	0.000491	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

Reactor Coolant System Leakage

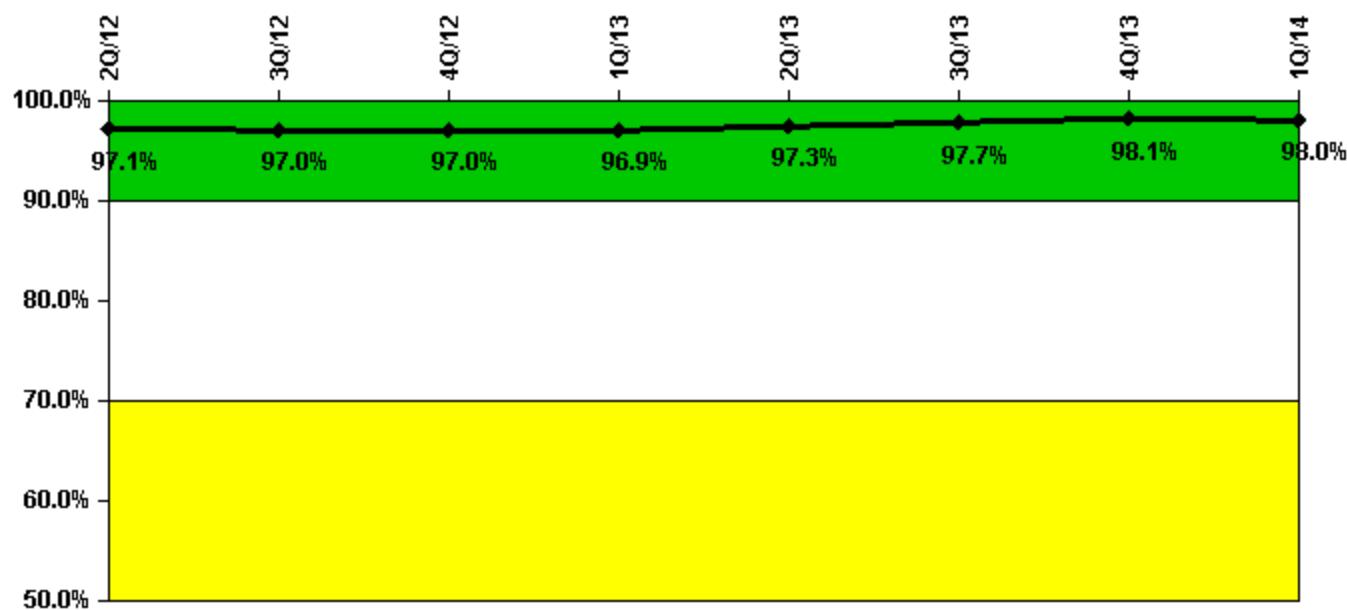


Thresholds: White > 50.0 Yellow > 100.0

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	0.050	0.020	0.030	0.020	0.030	0.030	0.020	0.020	0.030	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.4
Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance

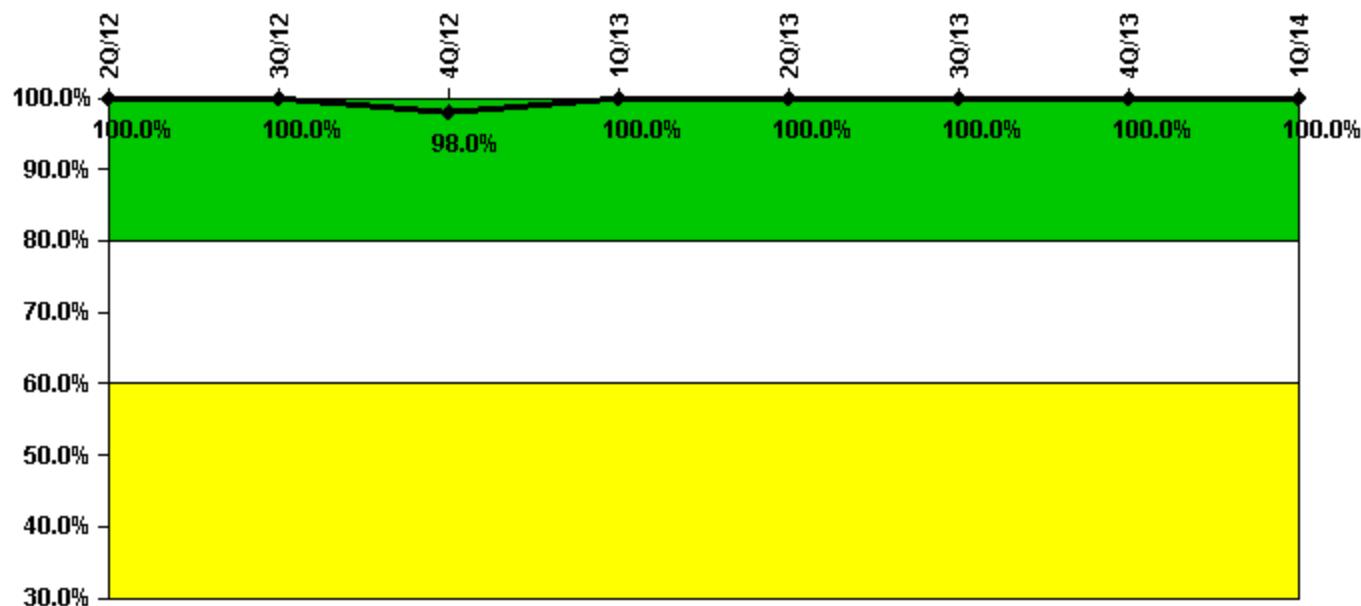
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	32.0	87.0	10.0	41.0	50.0	82.0	0	41.0
Total opportunities	32.0	90.0	10.0	42.0	50.0	84.0	0	42.0
Indicator value	97.1%	97.0%	97.0%	96.9%	97.3%	97.7%	98.1%	98.0%

Licensee Comments: none

ERO Drill Participation



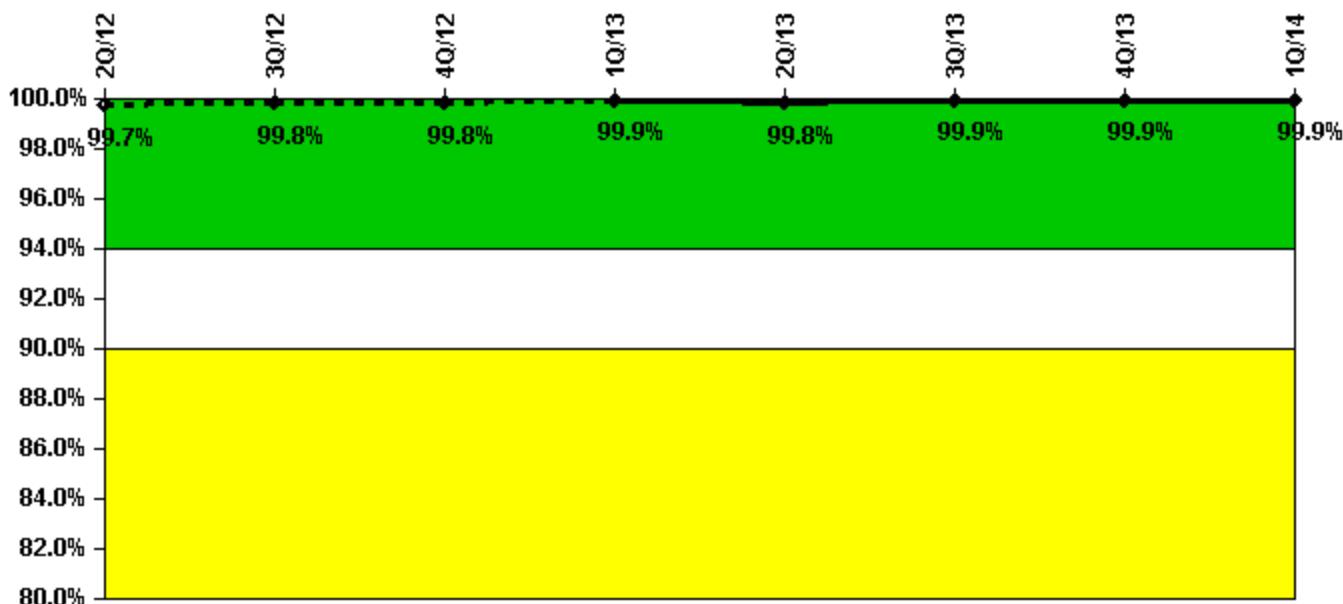
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	99.0	97.0	99.0	97.0	98.0	97.0	92.0	89.0
Total Key personnel	99.0	97.0	101.0	97.0	98.0	97.0	92.0	89.0
Indicator value	100.0%	100.0%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



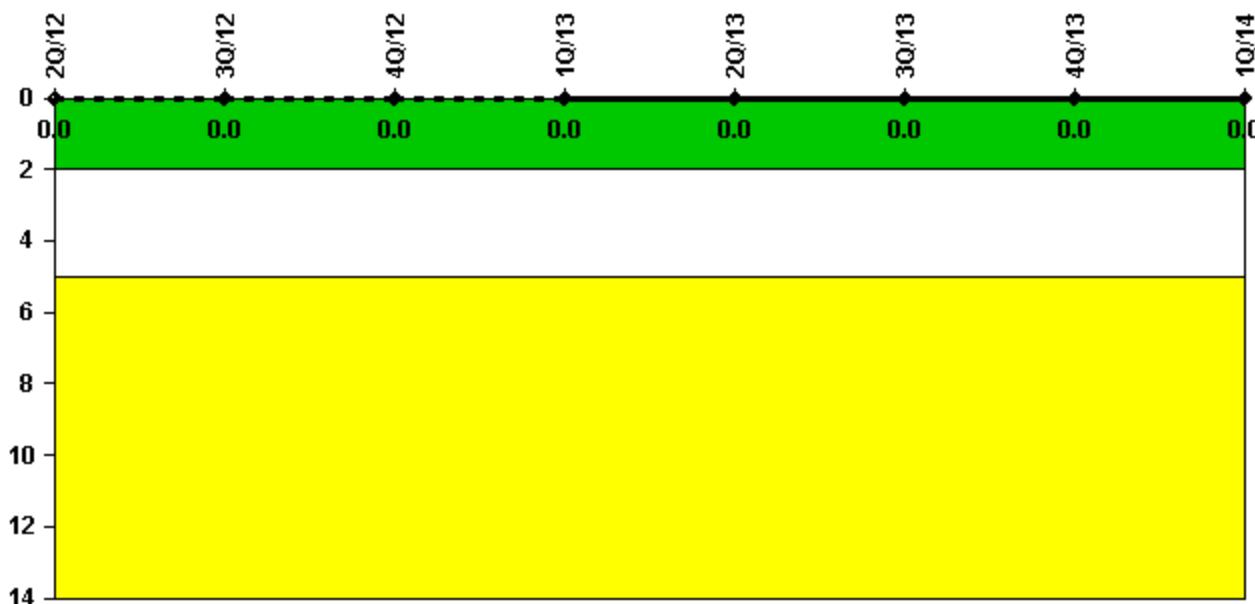
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	864	861	753	978	889	1014	790	1017
Total sirens-tests	864	864	755	978	890	1016	791	1017
Indicator value	99.7%	99.8%	99.8%	99.9%	99.8%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



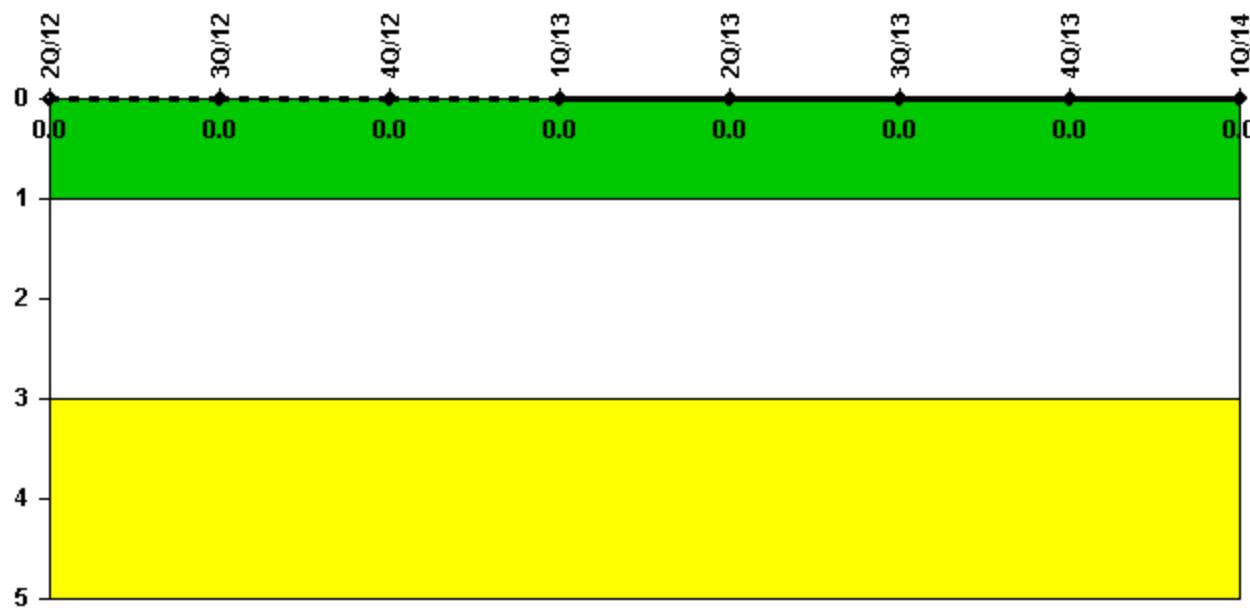
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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

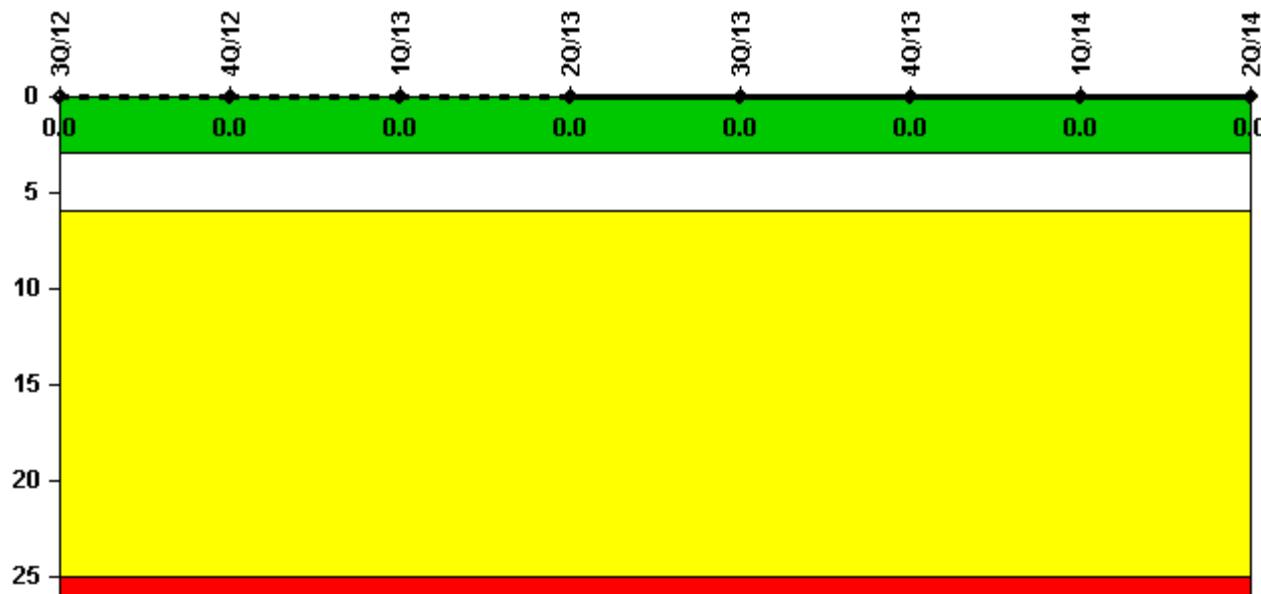
Sequoyah 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



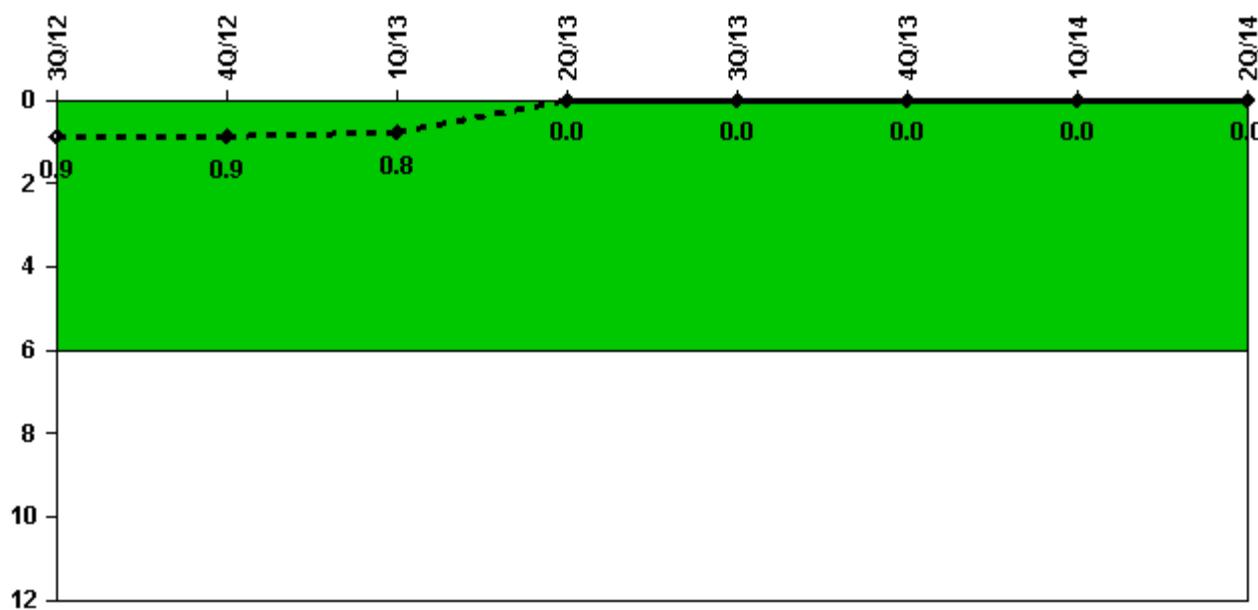
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



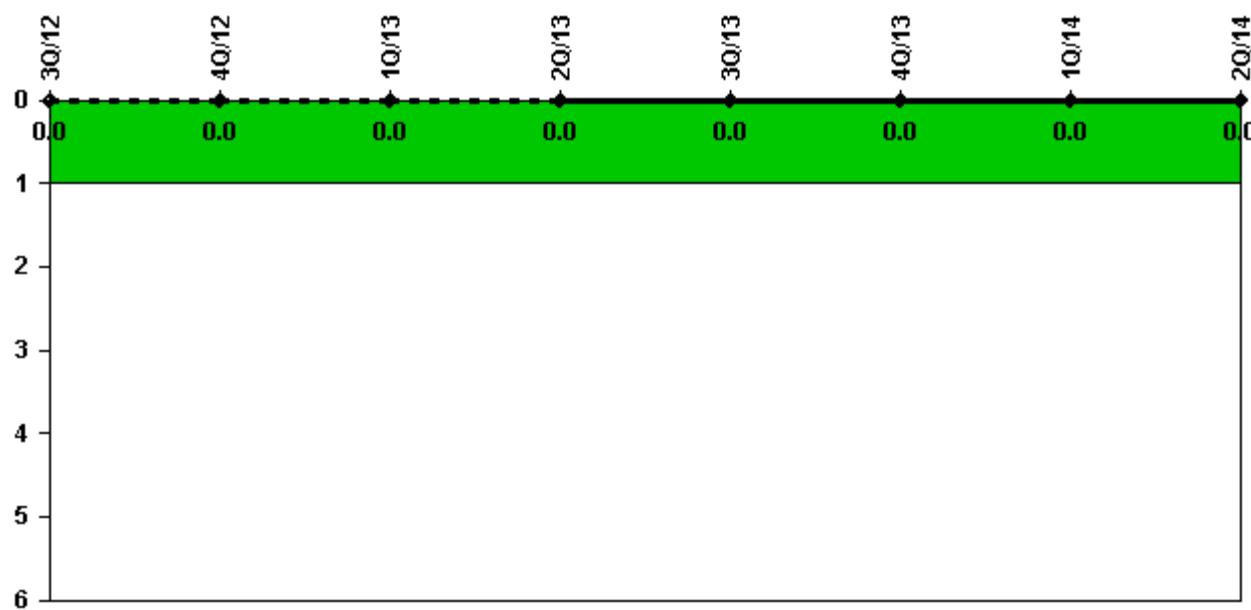
Thresholds: White > 6.0

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	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0
Indicator value	0.9	0.9	0.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



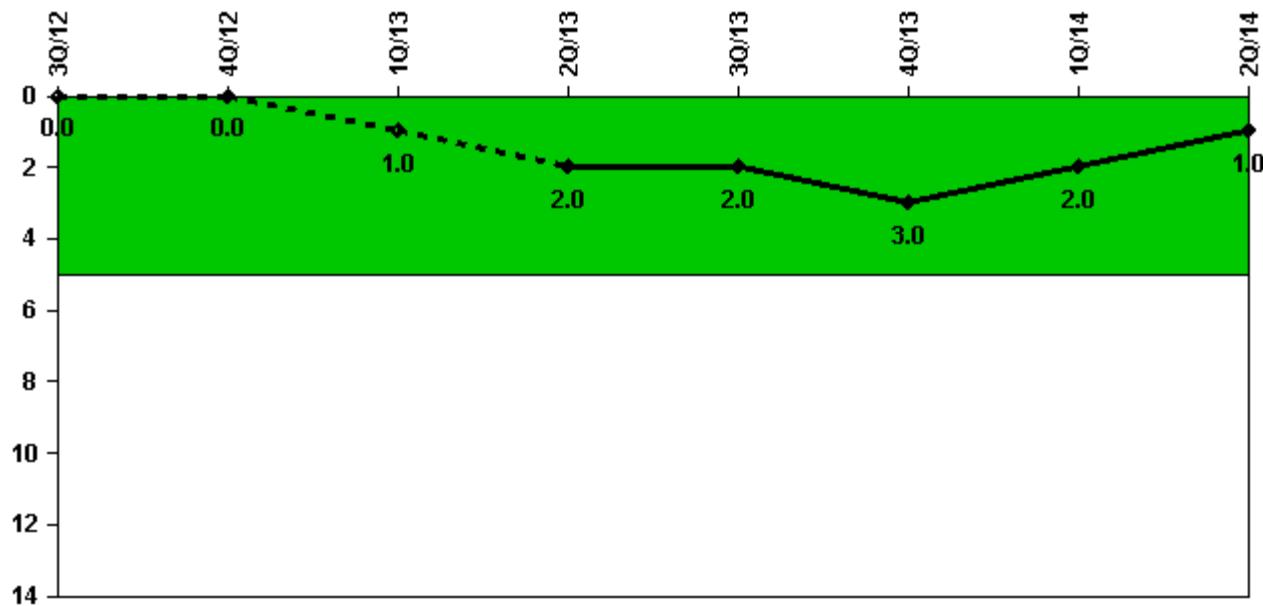
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	1	1	0	1	0	0
Indicator value	0	0	1	2	2	3	2	1

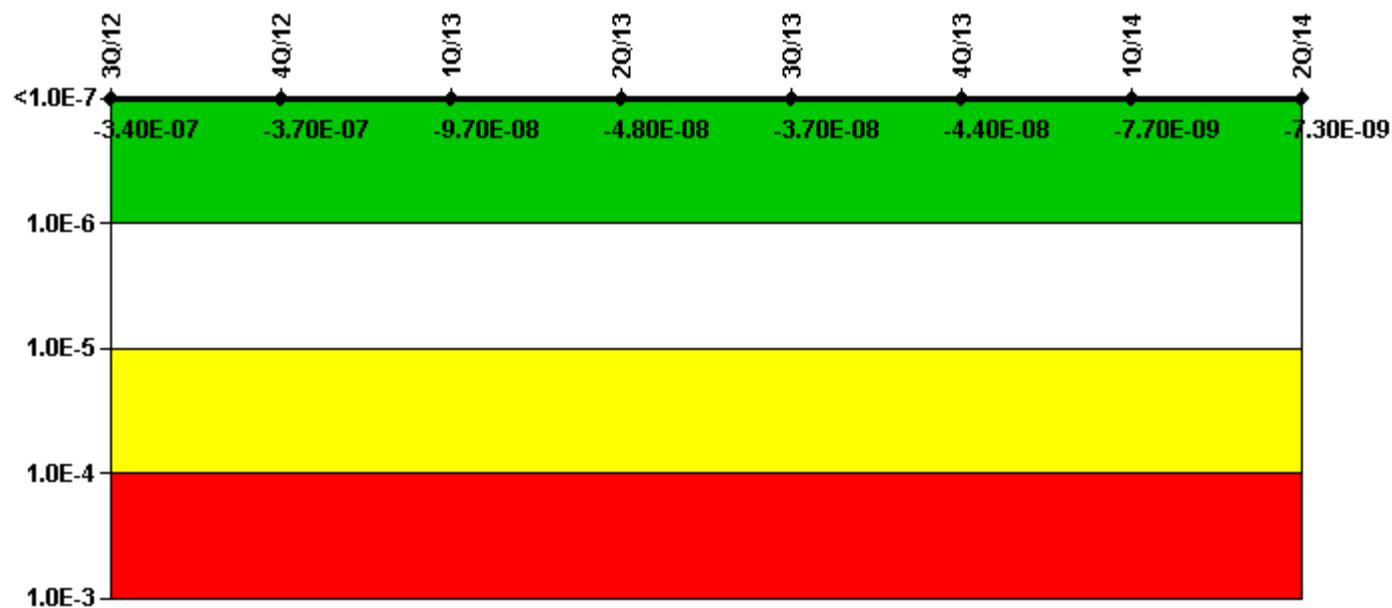
Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

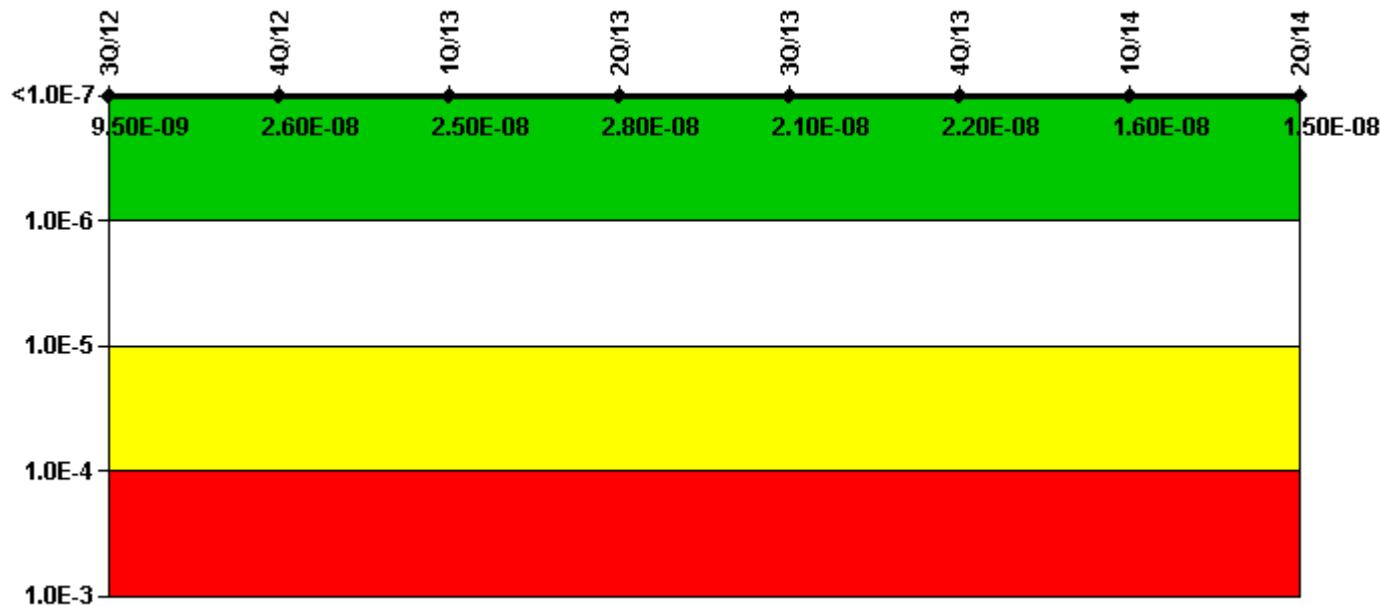
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	1.67E-08	2.54E-08	4.18E-08	8.19E-08	9.71E-08	9.27E-08	1.26E-08	1.16E-08
URI (Δ CDF)	-3.60E-07	-3.95E-07	-1.39E-07	-1.29E-07	-1.34E-07	-1.36E-07	-2.03E-08	-1.89E-08
PLE	NO							
Indicator value	-3.40E-07	-3.70E-07	-9.70E-08	-4.80E-08	-3.70E-08	-4.40E-08	-7.70E-09	-7.30E-09

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

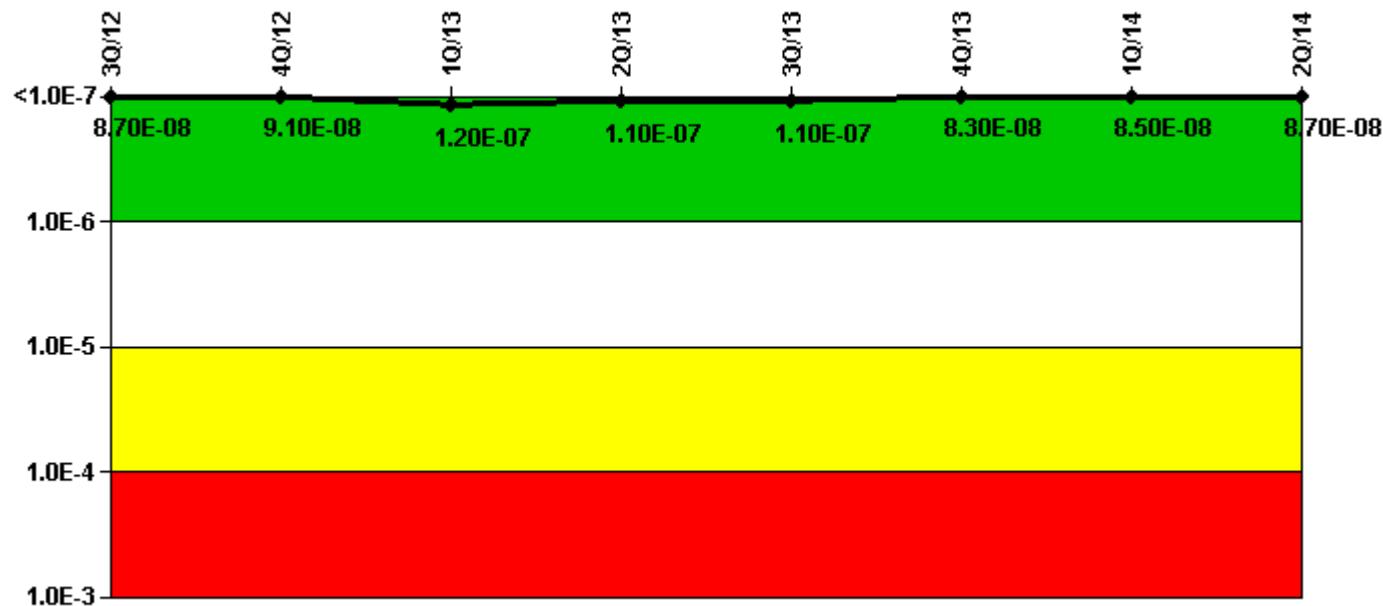
Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	9.93E-09	2.62E-08	2.59E-08	2.86E-08	2.16E-08	2.22E-08	1.68E-08	1.51E-08
URI (Δ CDF)	-4.24E-10	-6.33E-10	-6.34E-10	-6.34E-10	-6.35E-10	-6.36E-10	-4.76E-10	-4.77E-10
PLE	NO							
Indicator value	9.50E-09	2.60E-08	2.50E-08	2.80E-08	2.10E-08	2.20E-08	1.60E-08	1.50E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

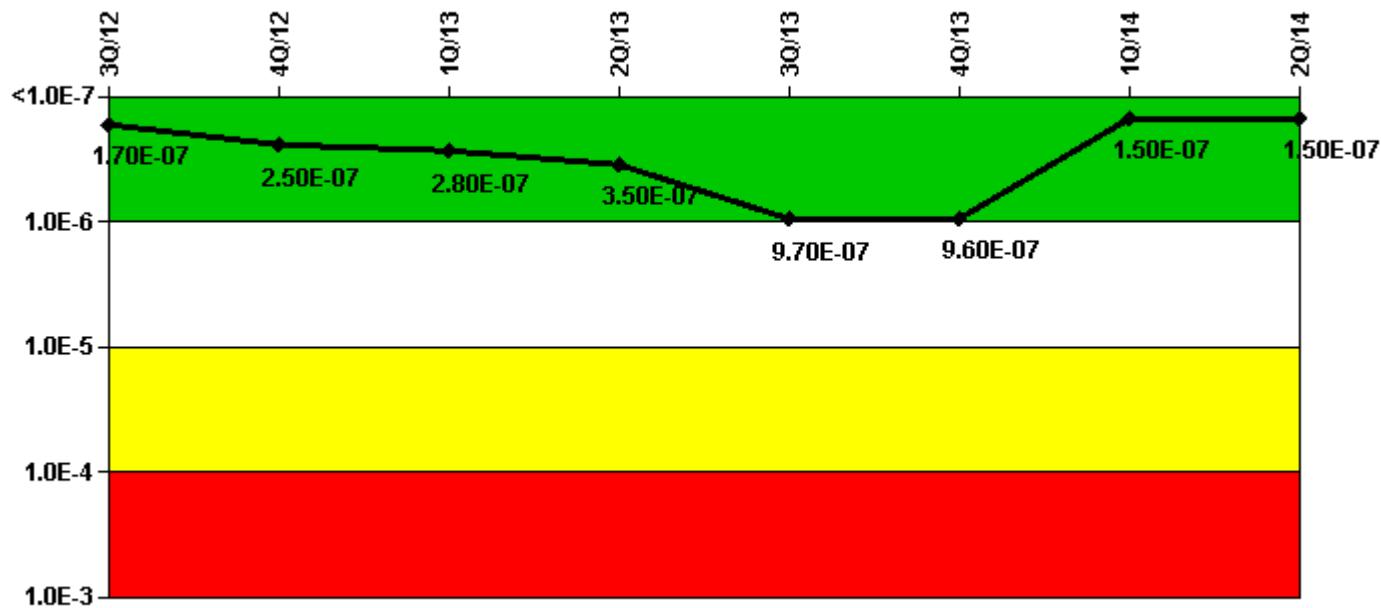
Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	3.62E-07	2.23E-07	2.50E-07	2.46E-07	2.41E-07	2.11E-07	2.40E-07	2.40E-07
URI (Δ CDF)	-2.75E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.27E-07	-1.55E-07	-1.53E-07
PLE	NO							
Indicator value	8.70E-08	9.10E-08	1.20E-07	1.10E-07	1.10E-07	8.30E-08	8.50E-08	8.70E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	3.48E-07	4.63E-07	4.96E-07	5.65E-07	6.91E-07	6.81E-07	3.59E-08	3.69E-08
URI (Δ CDF)	-1.75E-07	-2.10E-07	-2.14E-07	-2.17E-07	2.80E-07	2.77E-07	1.14E-07	1.12E-07
PLE	NO							
Indicator value	1.70E-07	2.50E-07	2.80E-07	3.50E-07	9.70E-07	9.60E-07	1.50E-07	1.50E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

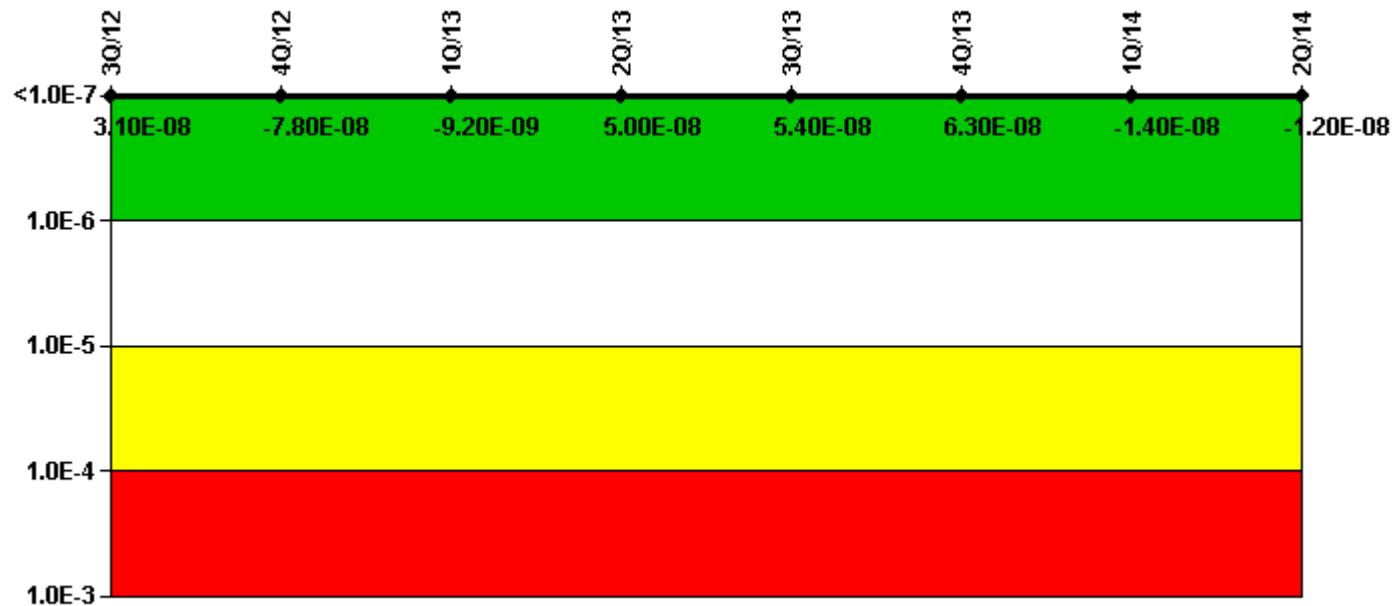
3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The

base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	1.06E-07	5.07E-08	1.19E-07	1.78E-07	1.82E-07	1.91E-07	1.86E-08	1.90E-08
URI (Δ CDF)	-7.49E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-3.25E-08	-3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.10E-08	-7.80E-08	-9.20E-09	5.00E-08	5.40E-08	6.30E-08	-1.40E-08	-1.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

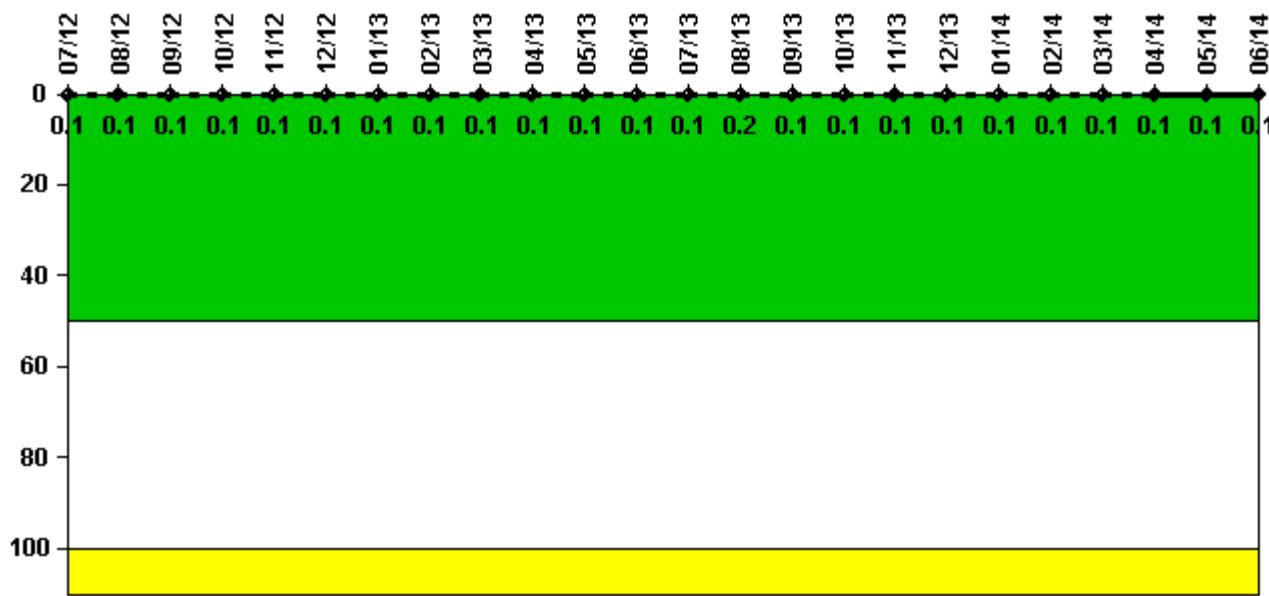
1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

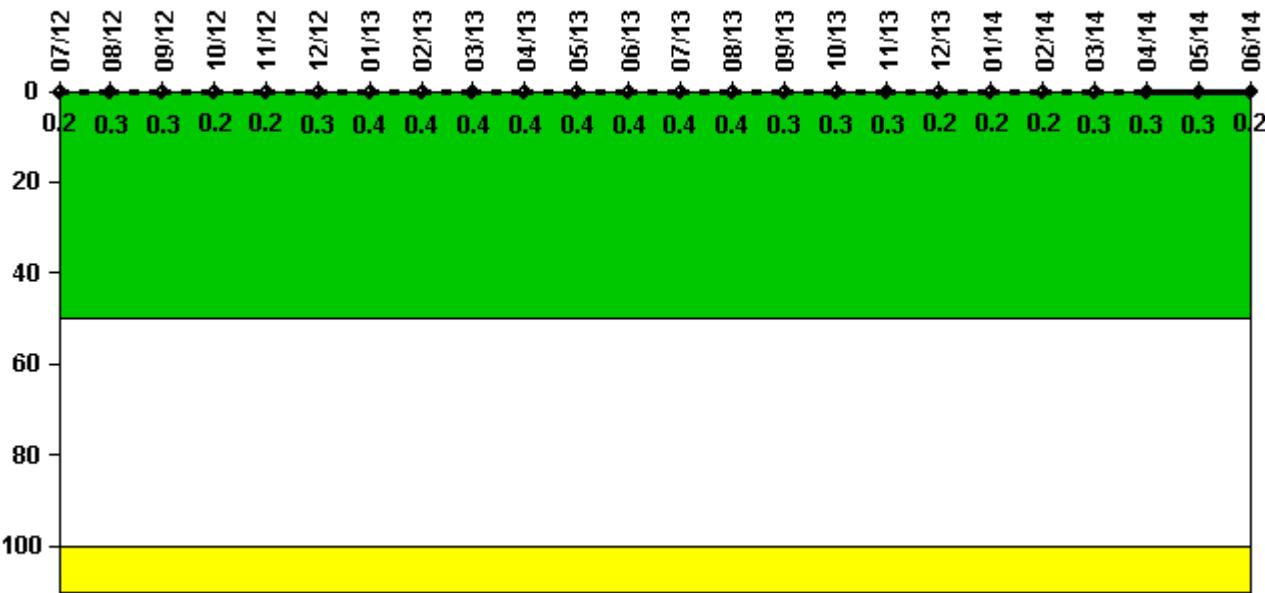
Notes

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	0.000327	0.000307	0.000326	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430	0.000465	0.000479	0.000491
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

Reactor Coolant System Leakage



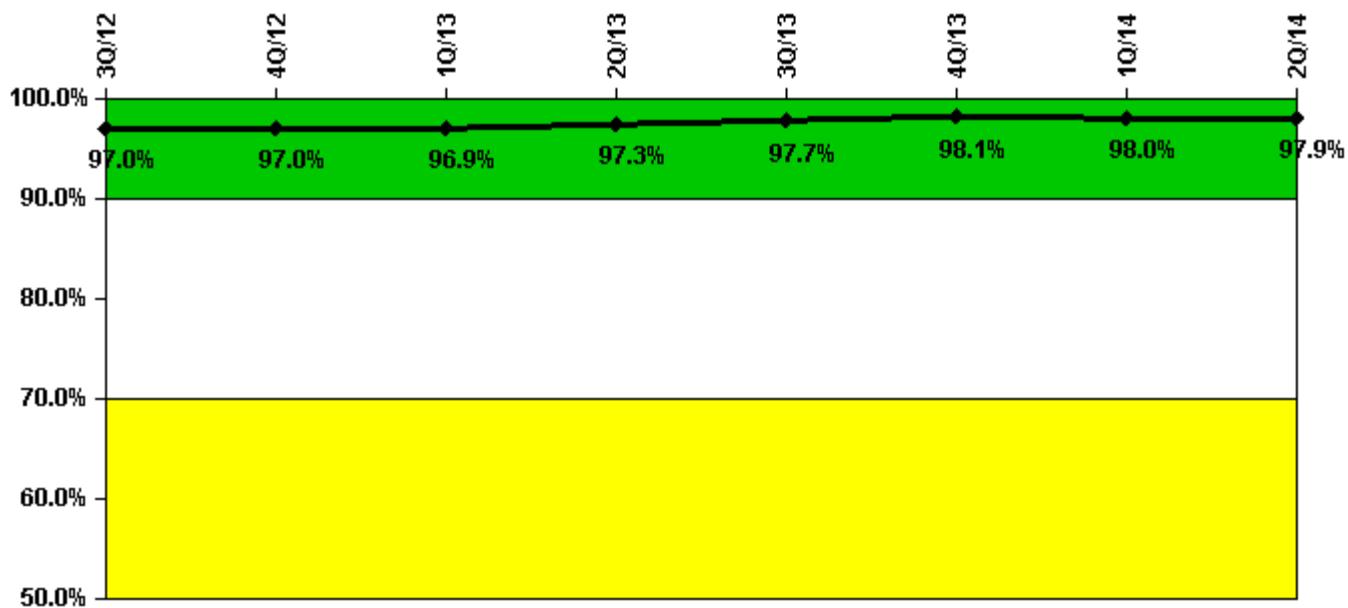
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.030	0.030	0.020	0.020	0.030	0.040	0.040	0.040	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.040	0.040	0.030	0.030	0.030	0.020	0.020	0.020	0.030	0.030	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance



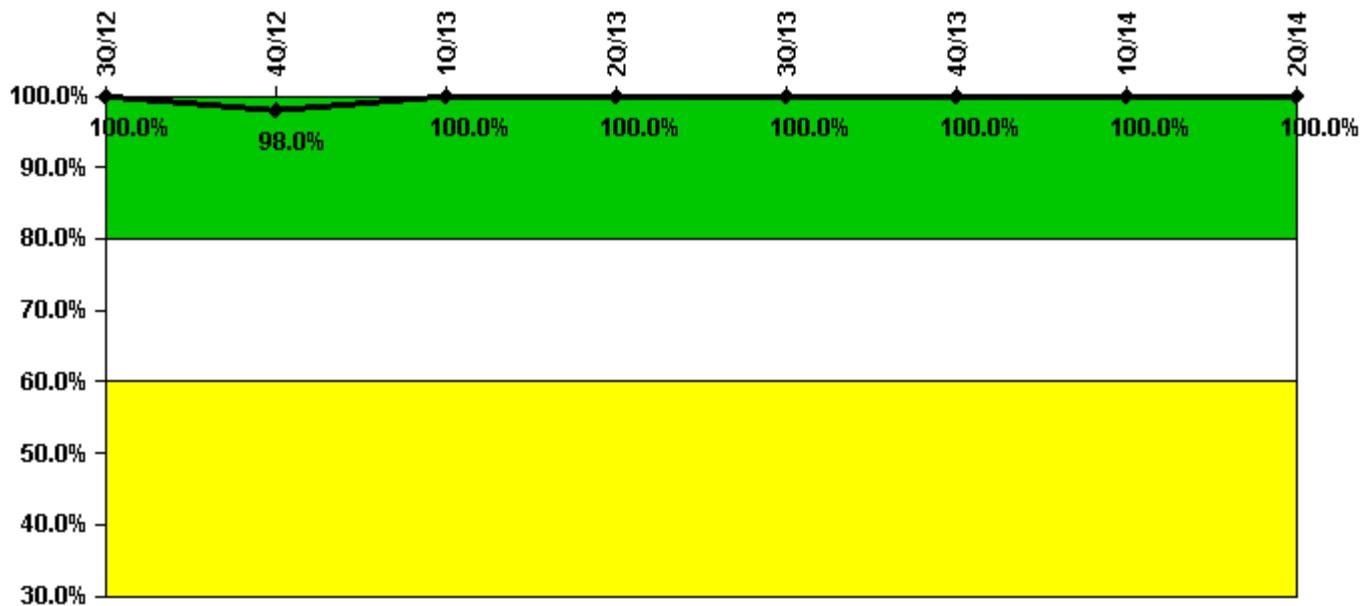
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	87.0	10.0	41.0	50.0	82.0	0	41.0	18.0
Total opportunities	90.0	10.0	42.0	50.0	84.0	0	42.0	18.0
Indicator value	97.0%	97.0%	96.9%	97.3%	97.7%	98.1%	98.0%	97.9%

Licensee Comments: none

ERO Drill Participation



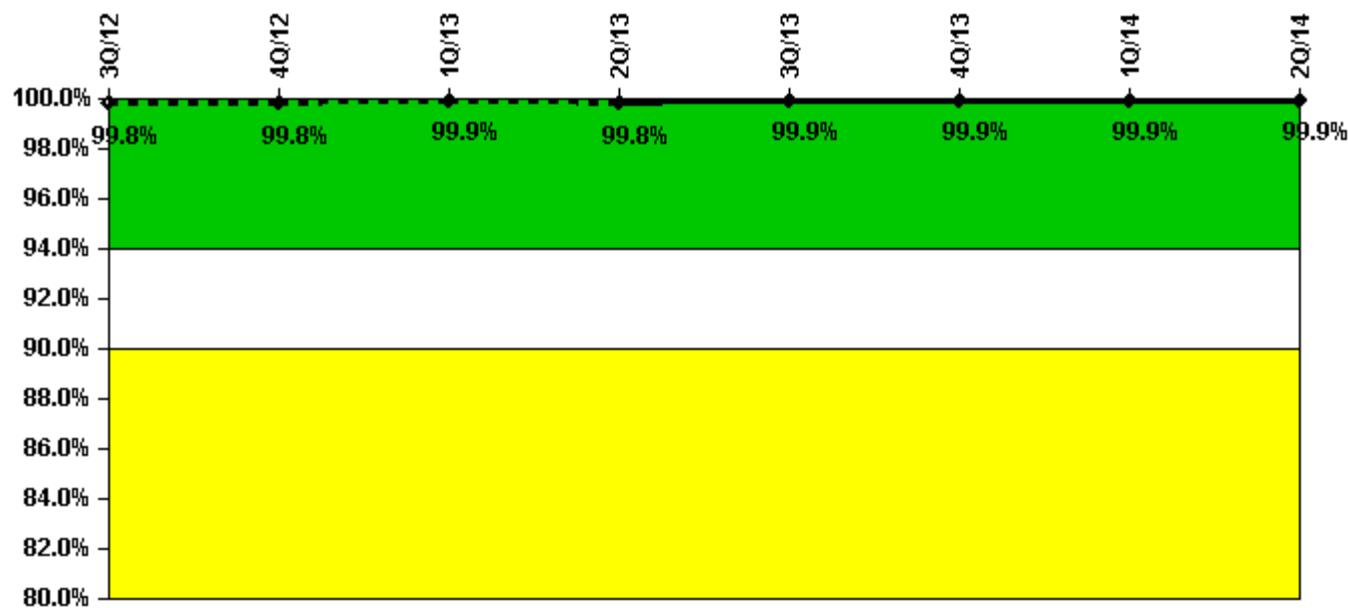
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	97.0	99.0	97.0	98.0	97.0	92.0	89.0	101.0
Total Key personnel	97.0	101.0	97.0	98.0	97.0	92.0	89.0	101.0
Indicator value	100.0%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



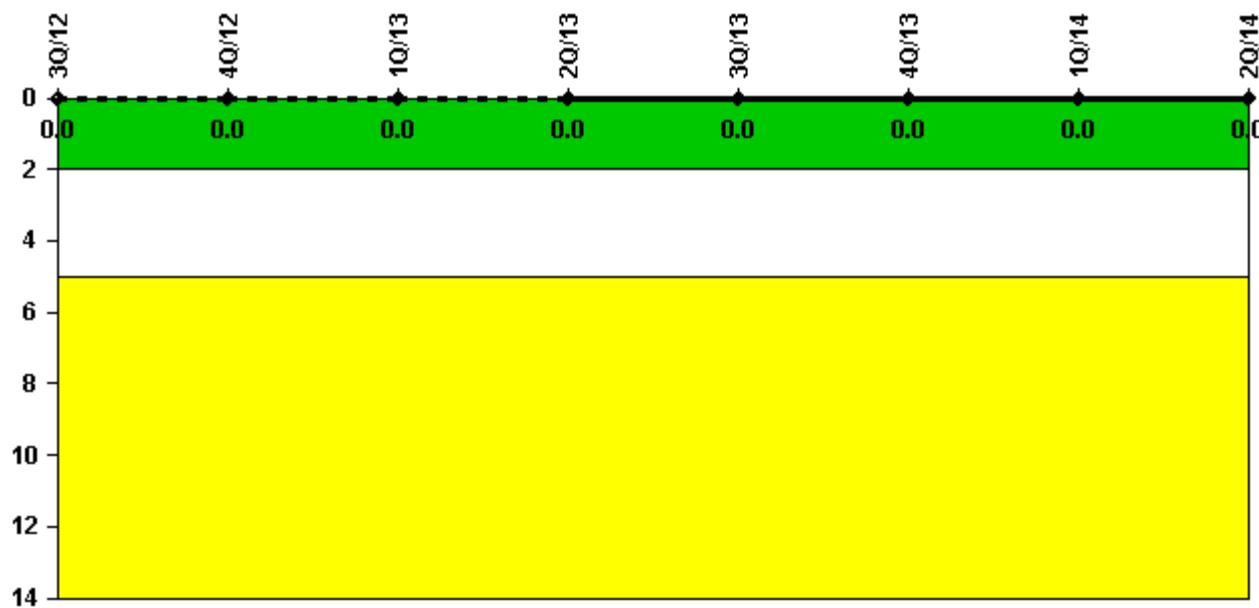
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	861	753	978	889	1014	790	1017	791
Total sirens-tests	864	755	978	890	1016	791	1017	791
Indicator value	99.8%	99.8%	99.9%	99.8%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

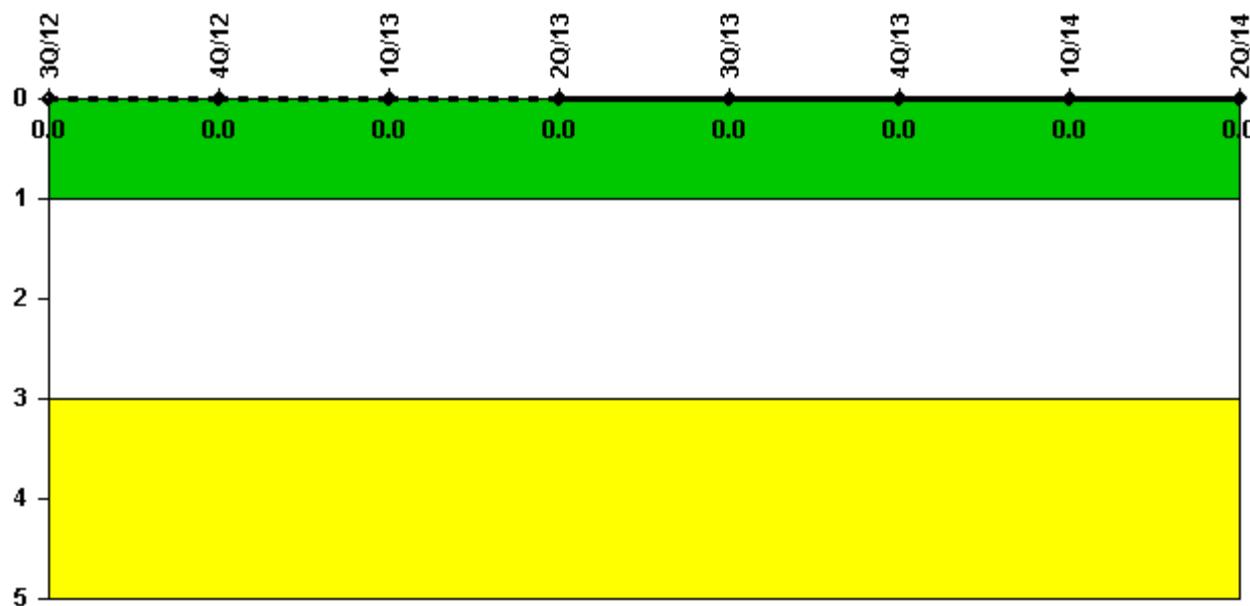


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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

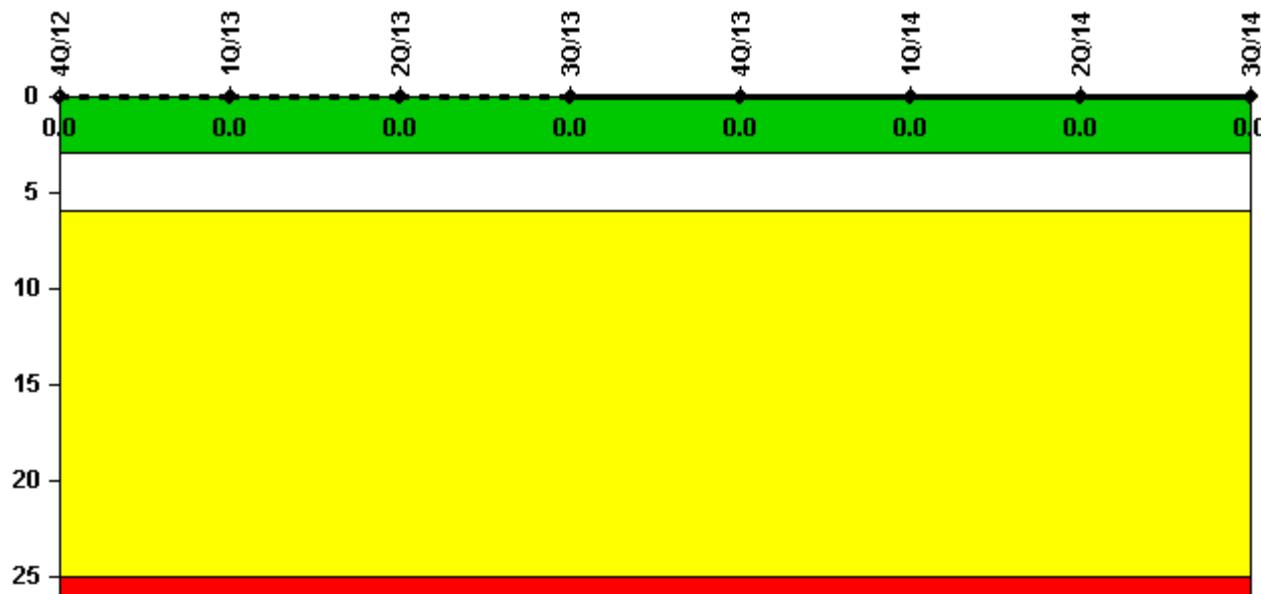
Sequoyah 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



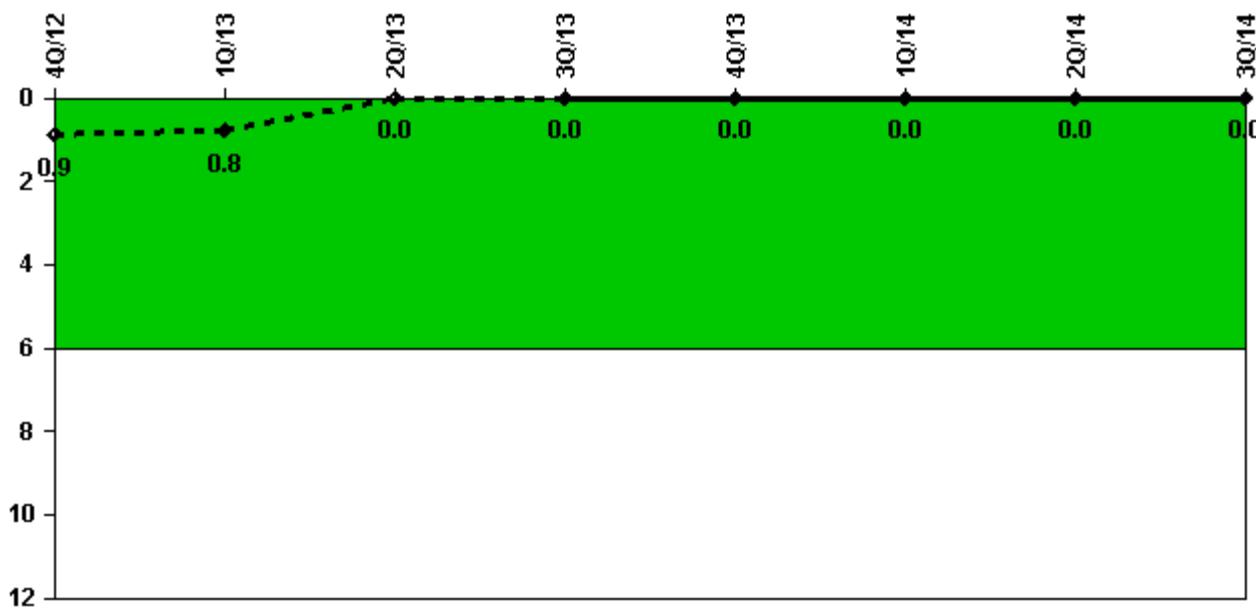
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



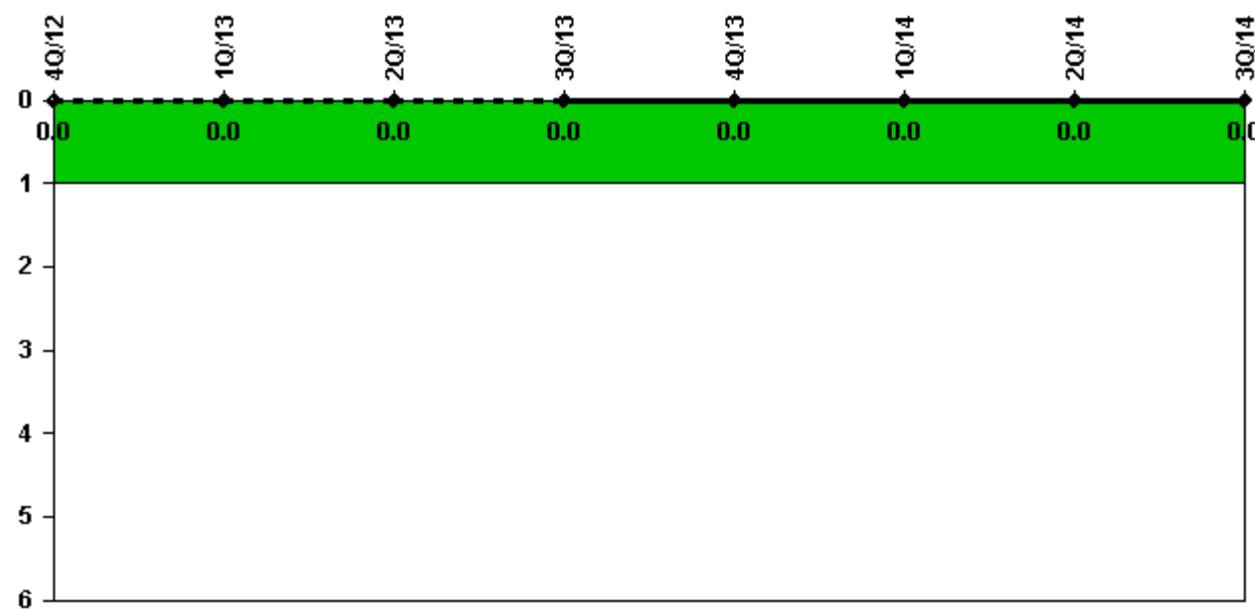
Thresholds: White > 6.0

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	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0
Indicator value	0.9	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



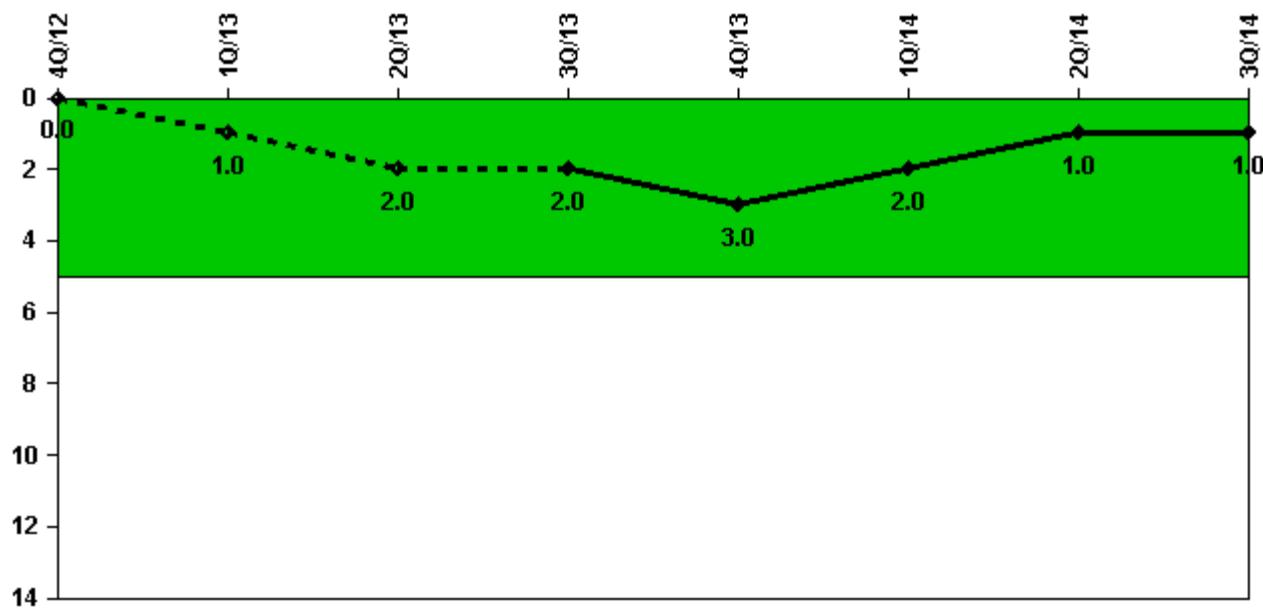
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	1	1	0	1	0	0	0
Indicator value	0	1	2	2	3	2	1	1

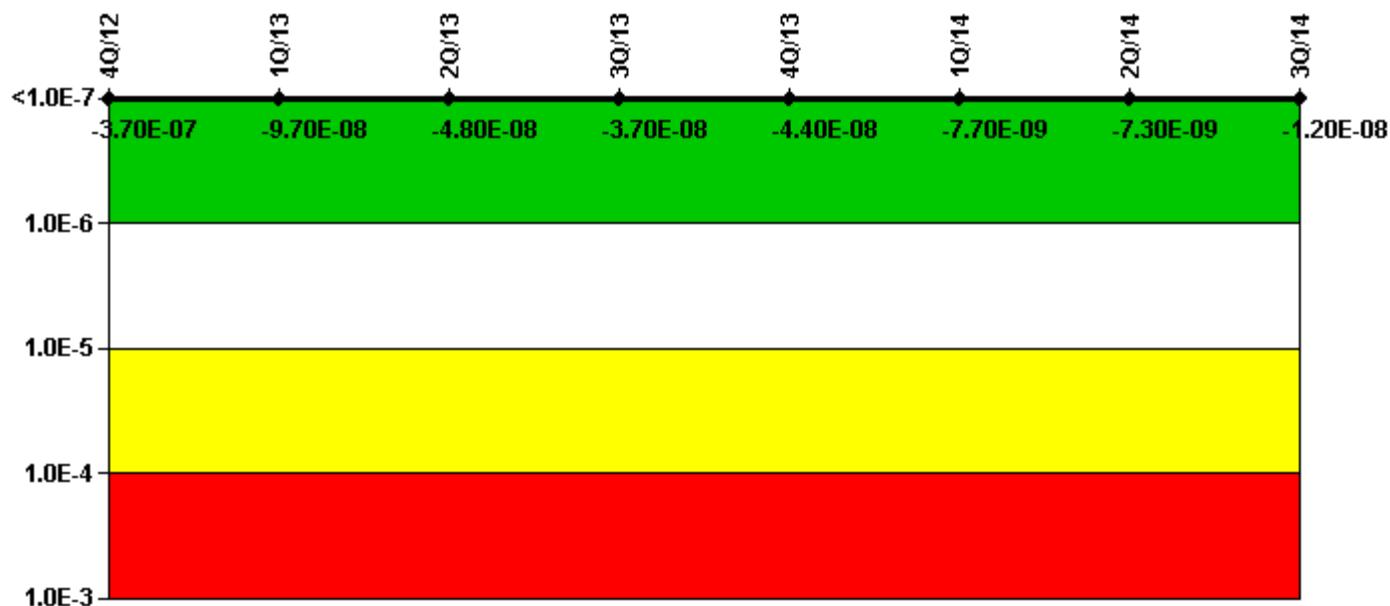
Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

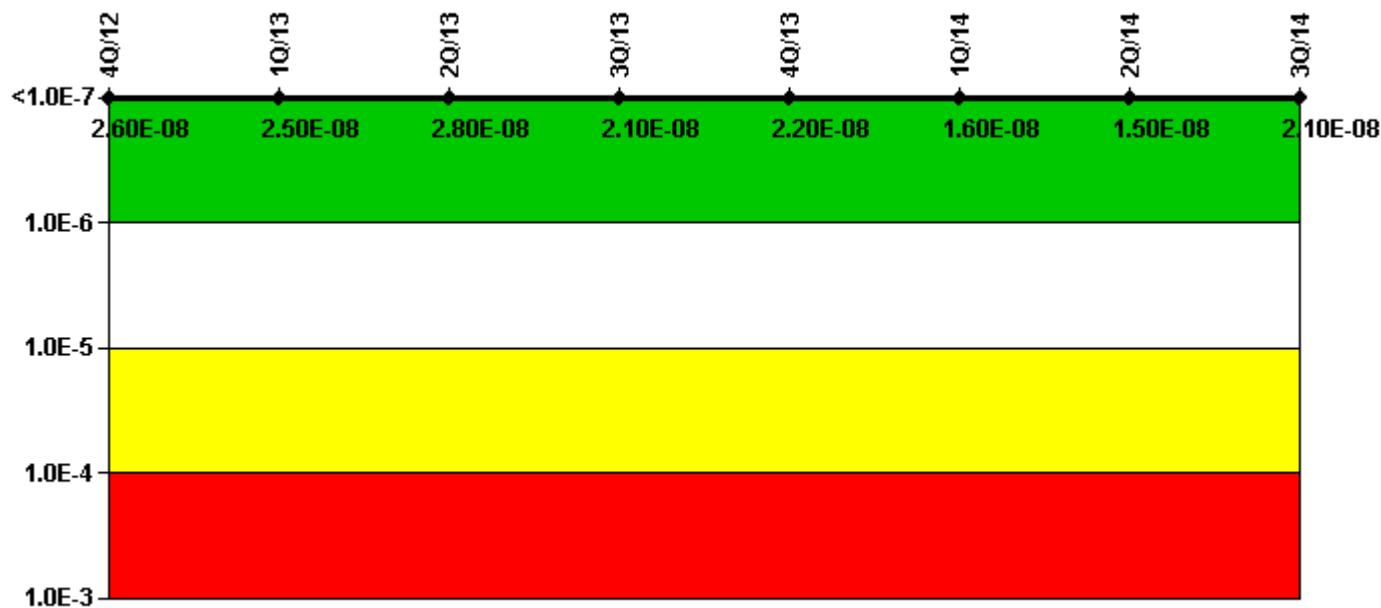
Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	2.54E-08	4.18E-08	8.19E-08	9.71E-08	9.27E-08	1.26E-08	1.16E-08	7.89E-09
URI (Δ CDF)	-3.95E-07	-1.39E-07	-1.29E-07	-1.34E-07	-1.36E-07	-2.03E-08	-1.89E-08	-1.96E-08
PLE	NO							
Indicator value	-3.70E-07	-9.70E-08	-4.80E-08	-3.70E-08	-4.40E-08	-7.70E-09	-7.30E-09	-1.20E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

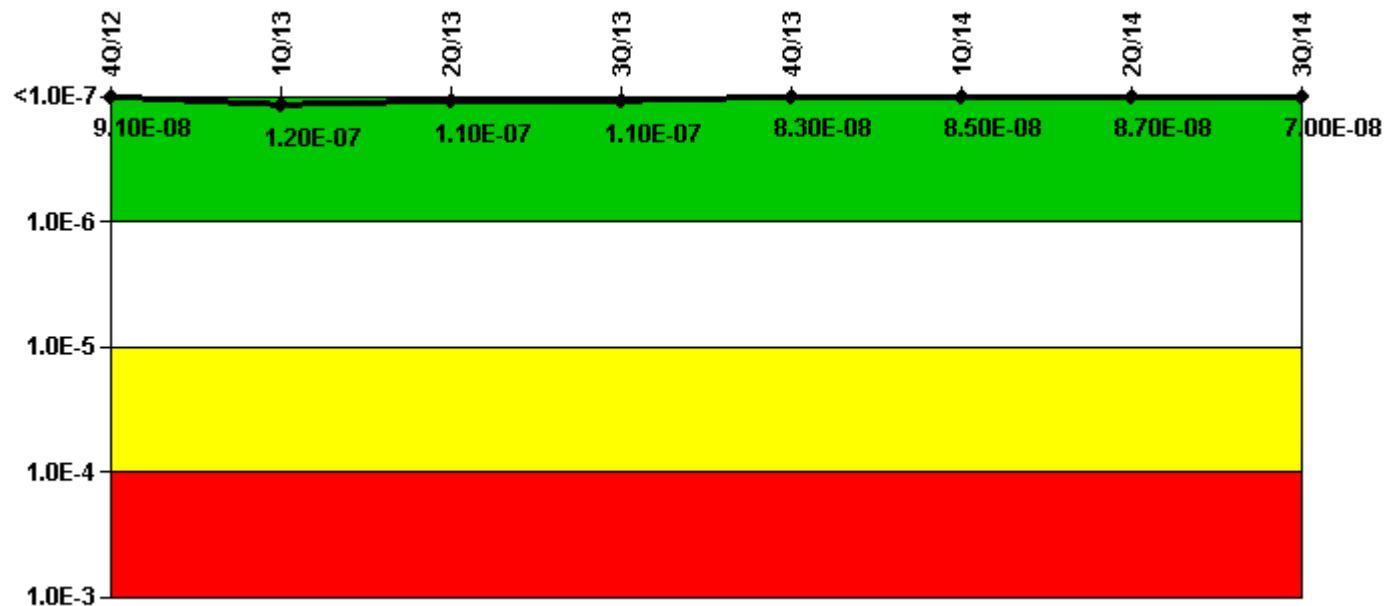
Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	2.62E-08	2.59E-08	2.86E-08	2.16E-08	2.22E-08	1.68E-08	1.51E-08	1.86E-08
URI (Δ CDF)	-6.33E-10	-6.34E-10	-6.34E-10	-6.35E-10	-6.36E-10	-4.76E-10	-4.77E-10	1.99E-09
PLE	NO							
Indicator value	2.60E-08	2.50E-08	2.80E-08	2.10E-08	2.20E-08	1.60E-08	1.50E-08	2.10E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

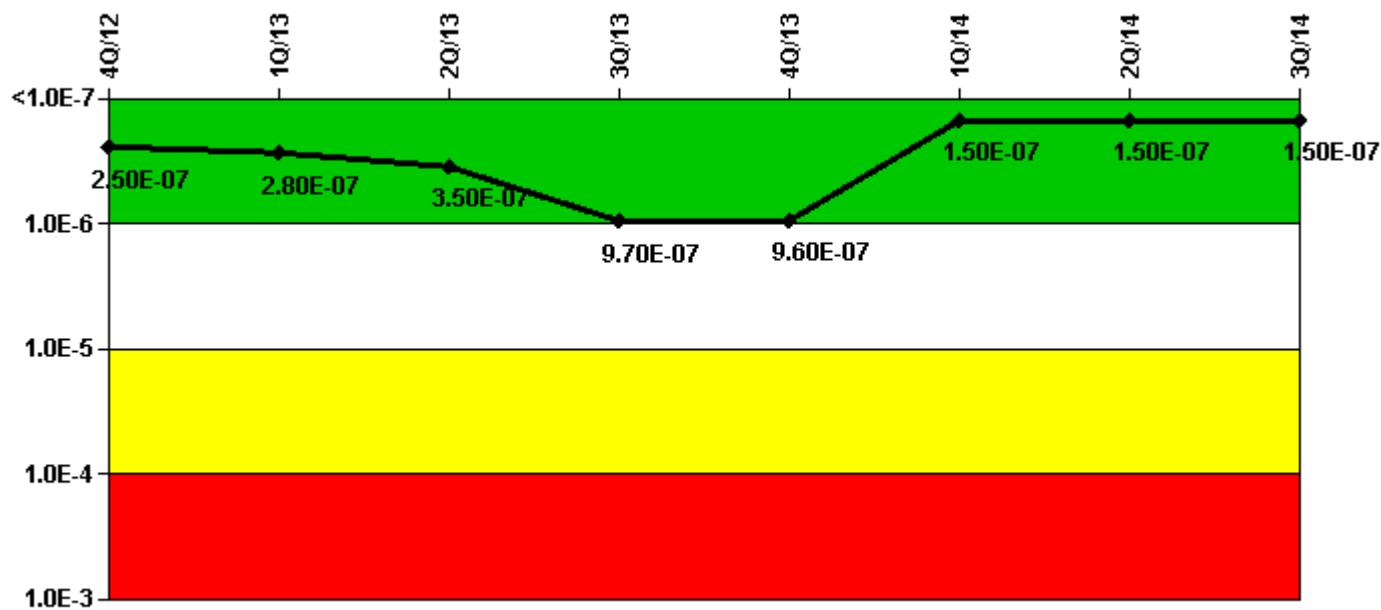
Mitigating Systems Performance Index, Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	2.23E-07	2.50E-07	2.46E-07	2.41E-07	2.11E-07	2.40E-07	2.40E-07	2.18E-07
URI (Δ CDF)	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.27E-07	-1.55E-07	-1.53E-07	-1.48E-07
PLE	NO							
Indicator value	9.10E-08	1.20E-07	1.10E-07	1.10E-07	8.30E-08	8.50E-08	8.70E-08	7.00E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	4.63E-07	4.96E-07	5.65E-07	6.91E-07	6.81E-07	3.59E-08	3.69E-08	3.89E-08
URI (Δ CDF)	-2.10E-07	-2.14E-07	-2.17E-07	2.80E-07	2.77E-07	1.14E-07	1.12E-07	1.09E-07
PLE	NO							
Indicator value	2.50E-07	2.80E-07	3.50E-07	9.70E-07	9.60E-07	1.50E-07	1.50E-07	1.50E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

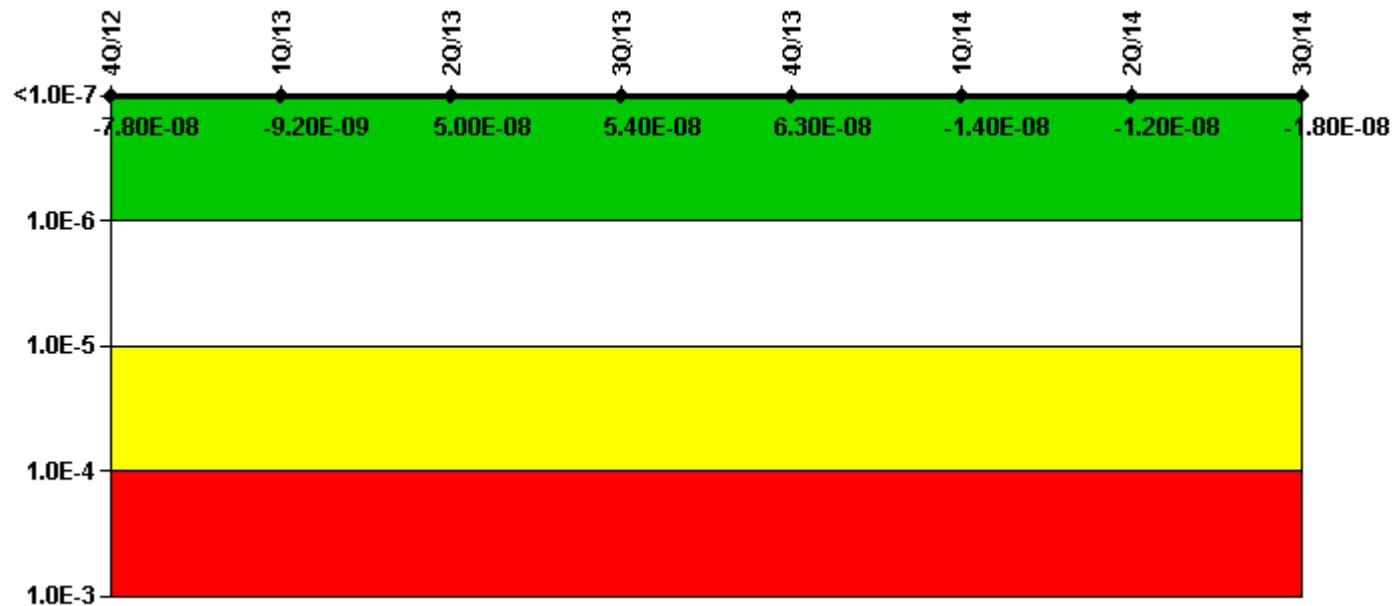
3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The

base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	5.07E-08	1.19E-07	1.78E-07	1.82E-07	1.91E-07	1.86E-08	1.90E-08	1.34E-08
URI (Δ CDF)	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-3.25E-08	-3.13E-08	-3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.80E-08	-9.20E-09	5.00E-08	5.40E-08	6.30E-08	-1.40E-08	-1.20E-08	-1.80E-08

Licensee Comments:

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

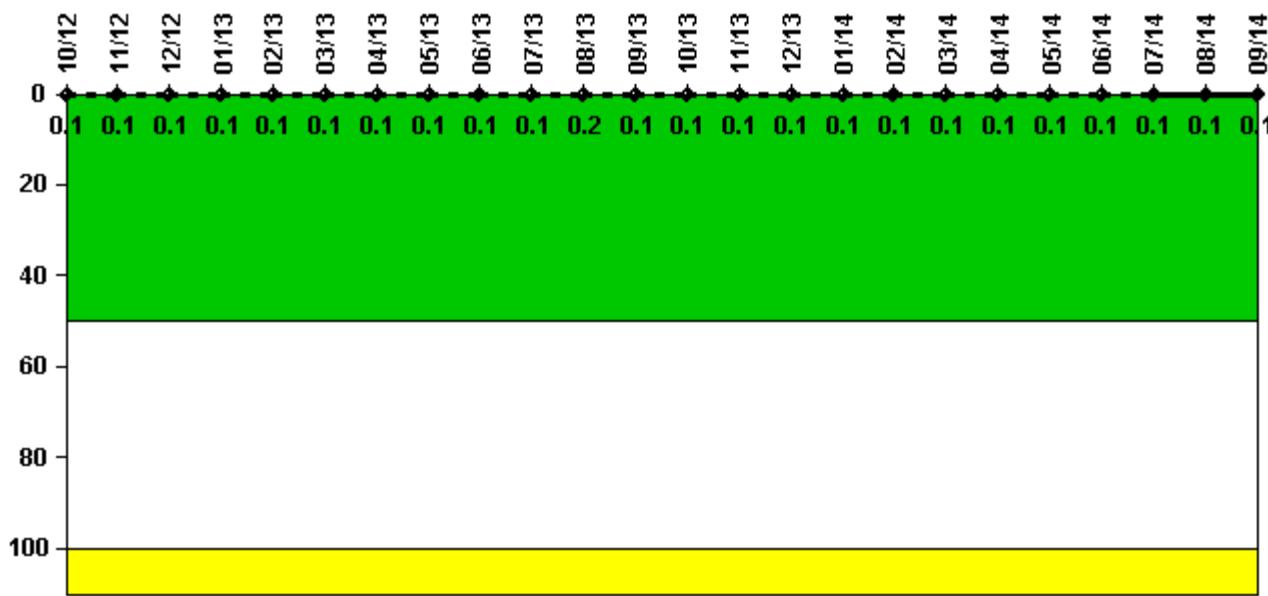
3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

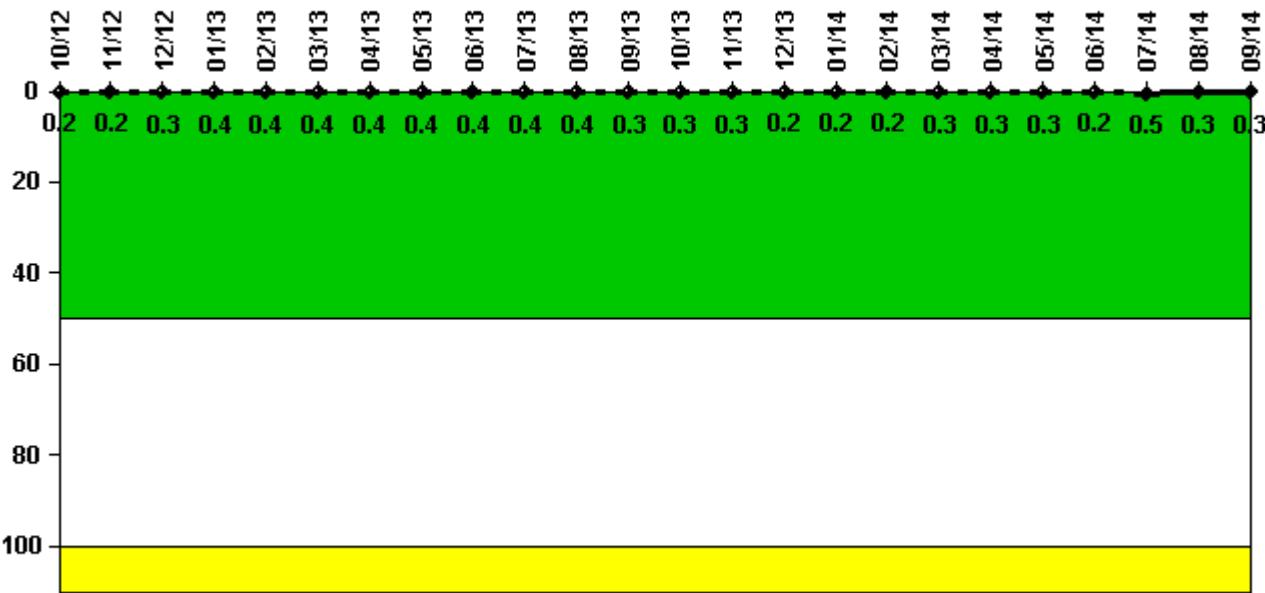
Notes

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	0.000380	0.000360	0.000452	0.000412	0.000445	0.000430	0.000465	0.000479	0.000491	0.000510	0.000566	0.000504
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
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	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

Reactor Coolant System Leakage



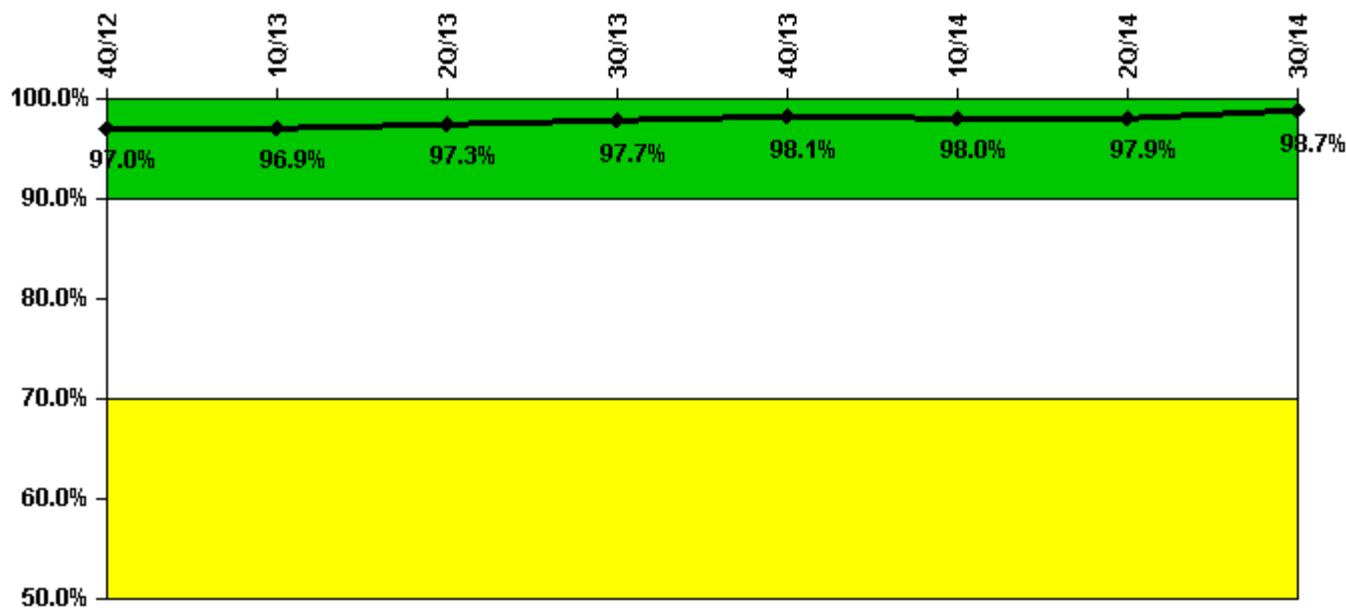
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.020	0.030	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.3	0.4	0.3							
Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.030	0.030	0.020	0.020	0.020	0.030	0.030	0.030	0.020	0.050	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



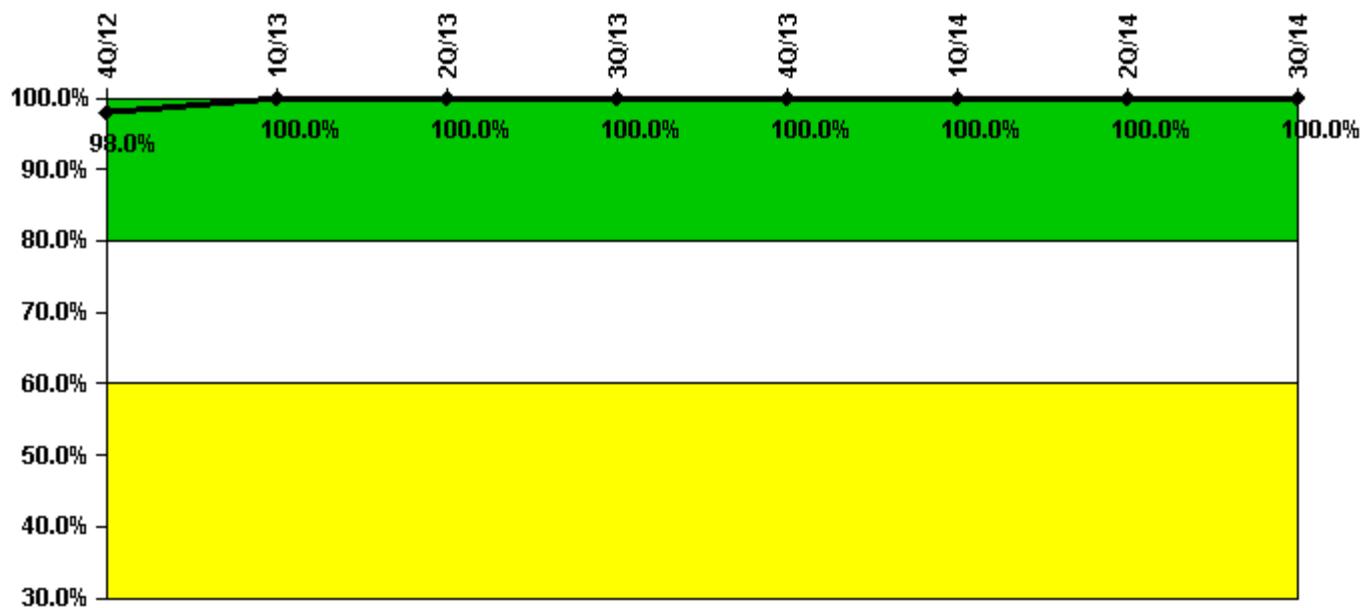
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	10.0	41.0	50.0	82.0	0	41.0	18.0	52.0
Total opportunities	10.0	42.0	50.0	84.0	0	42.0	18.0	52.0
Indicator value	97.0%	96.9%	97.3%	97.7%	98.1%	98.0%	97.9%	98.7%

Licensee Comments: none

ERO Drill Participation



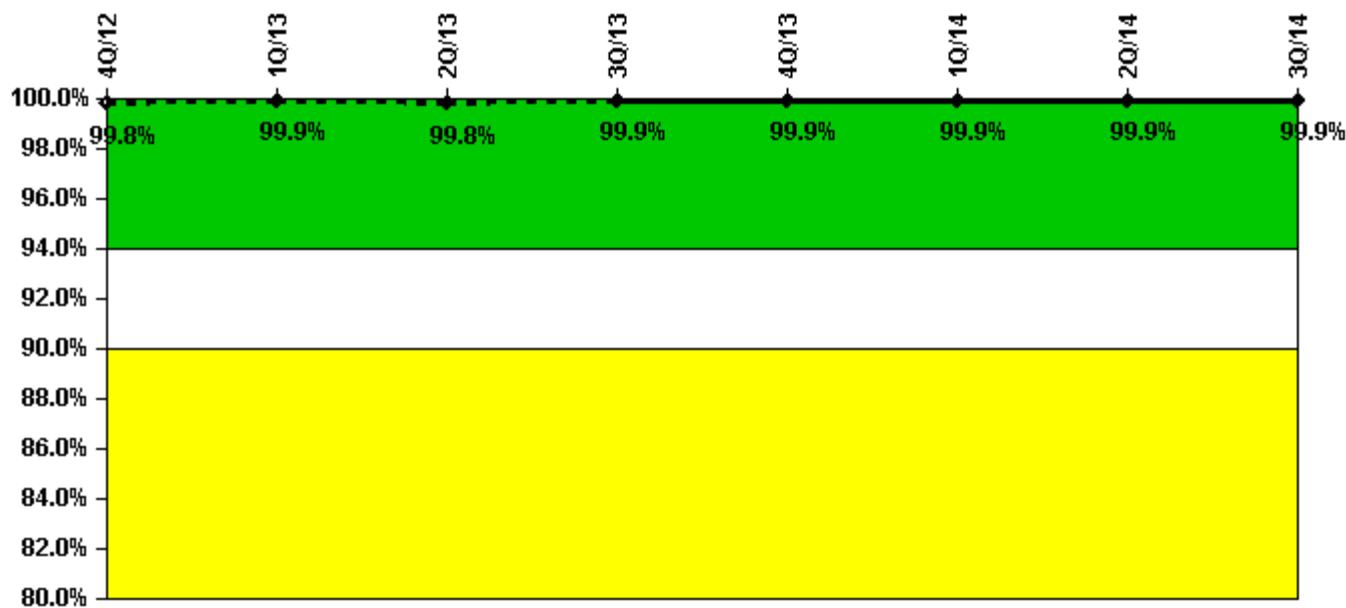
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	99.0	97.0	98.0	97.0	92.0	89.0	101.0	89.0
Total Key personnel	101.0	97.0	98.0	97.0	92.0	89.0	101.0	89.0
Indicator value	98.0%	100.0%						

Licensee Comments: none

Alert & Notification System



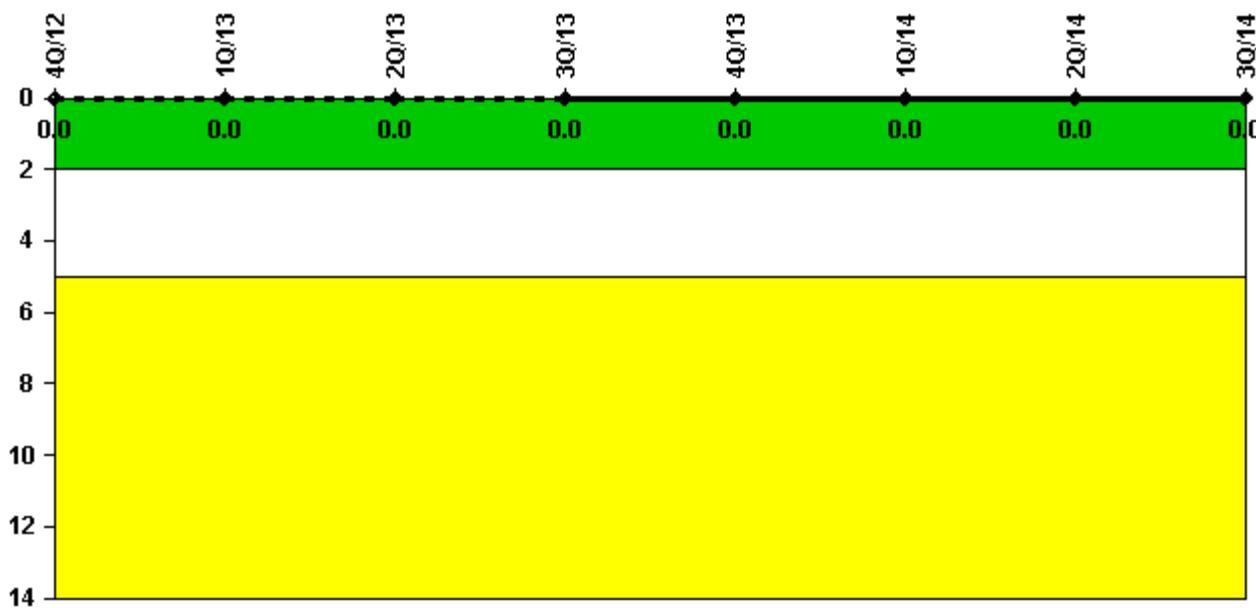
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	753	978	889	1014	790	1017	791	1016
Total sirens-tests	755	978	890	1016	791	1017	791	1017
Indicator value	99.8%	99.9%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



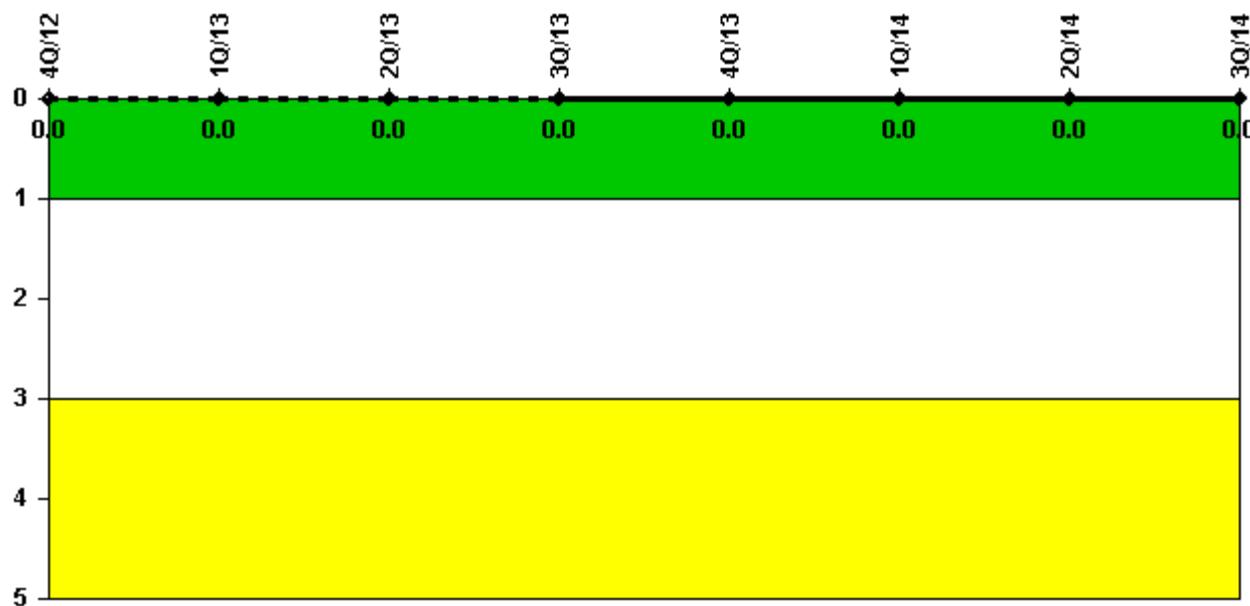
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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

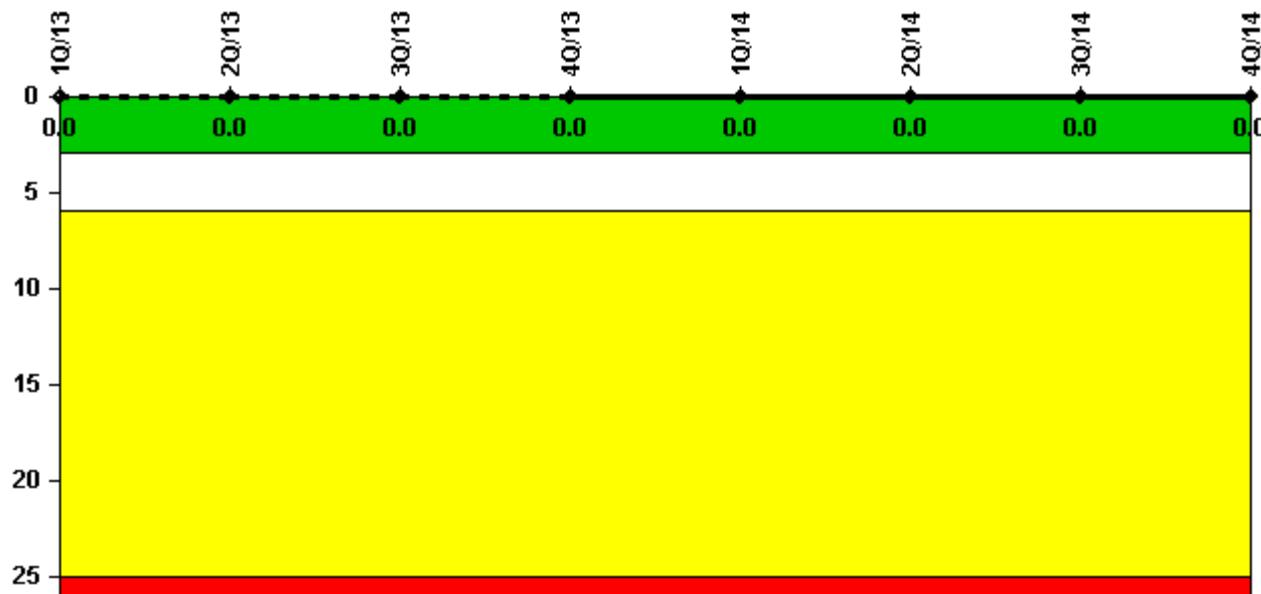
Sequoyah 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



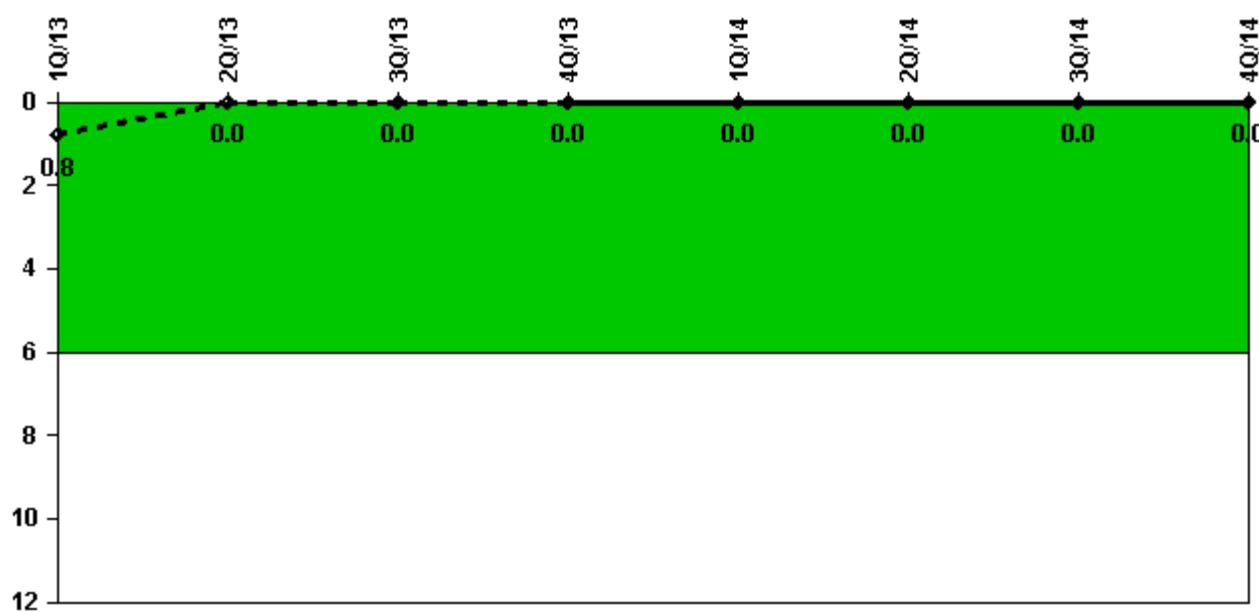
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0	2209.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



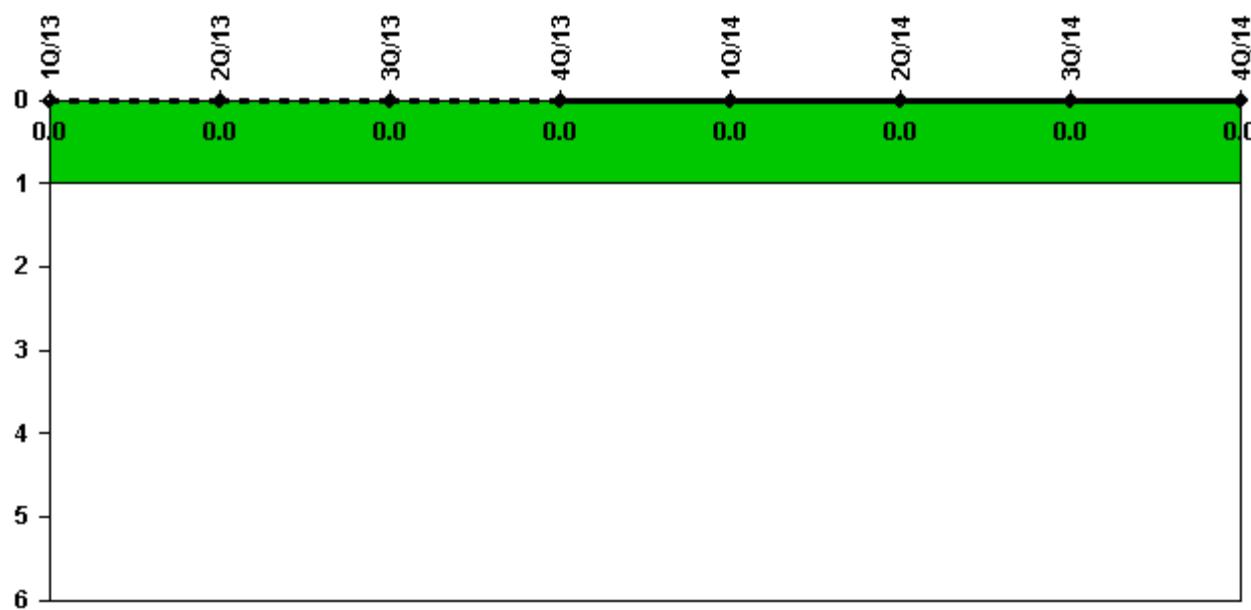
Thresholds: White > 6.0

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	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0	2209.0
Indicator value	0.8	0						

Licensee Comments: none

Unplanned Scrams with Complications



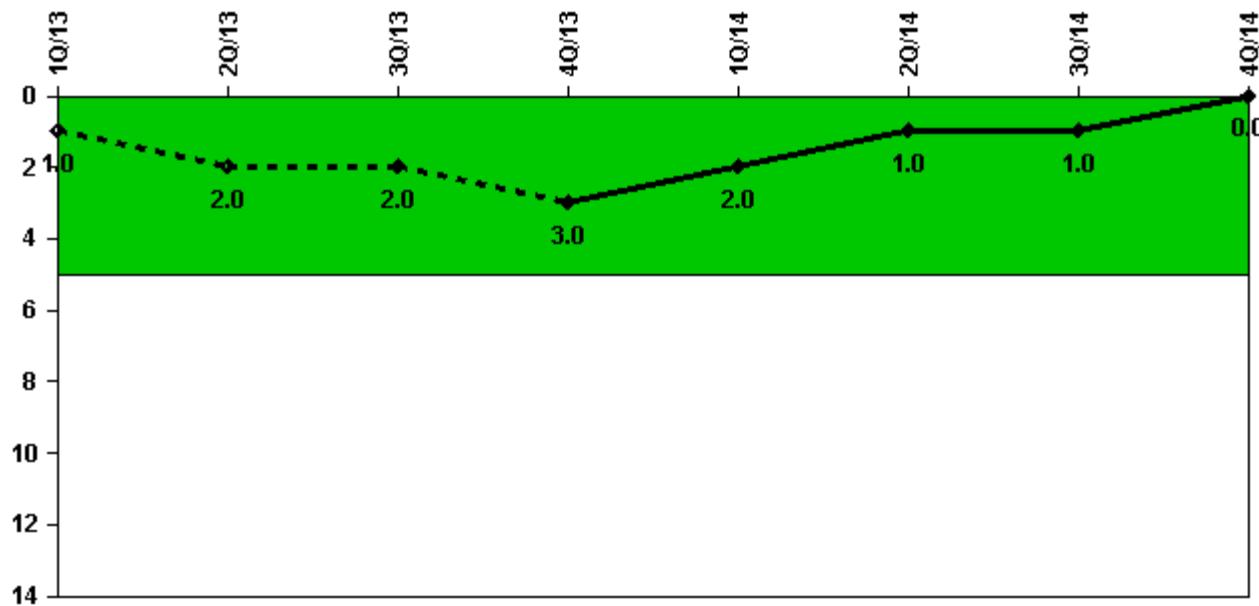
Thresholds: White > 1.0

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

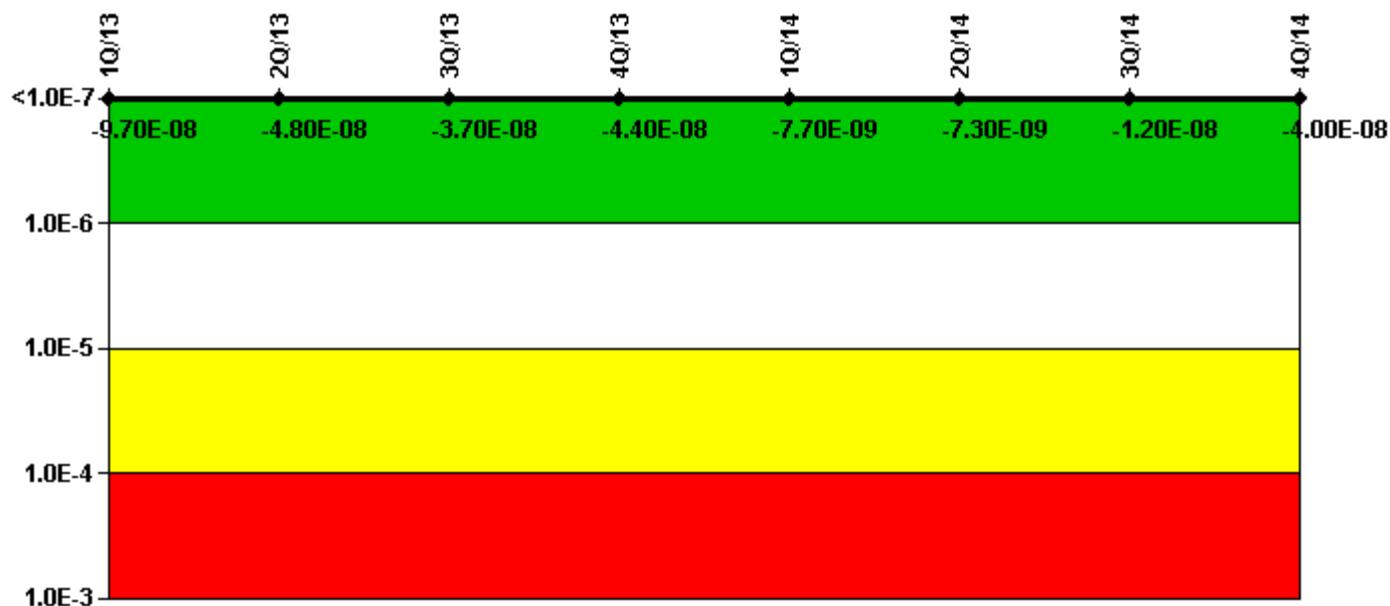
Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

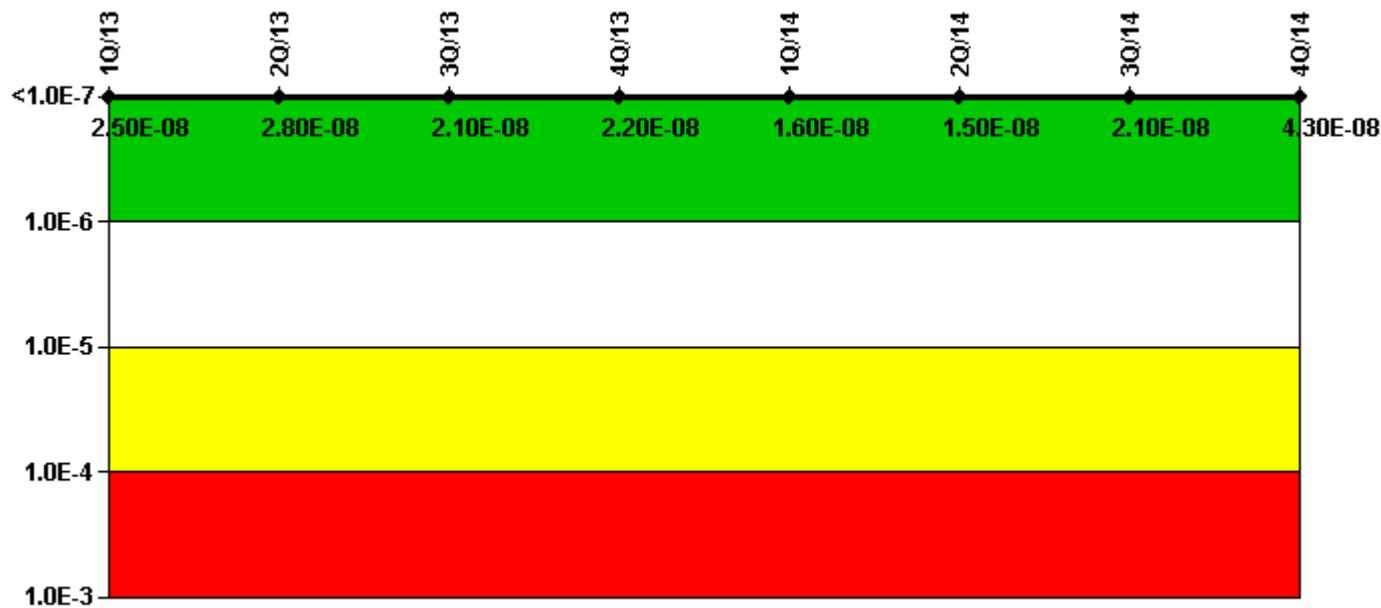
Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	4.18E-08	8.19E-08	9.71E-08	9.27E-08	1.26E-08	1.16E-08	7.89E-09	3.63E-09
URI (Δ CDF)	-1.39E-07	-1.29E-07	-1.34E-07	-1.36E-07	-2.03E-08	-1.89E-08	-1.96E-08	-4.33E-08
PLE	NO							
Indicator value	-9.70E-08	-4.80E-08	-3.70E-08	-4.40E-08	-7.70E-09	-7.30E-09	-1.20E-08	-4.00E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

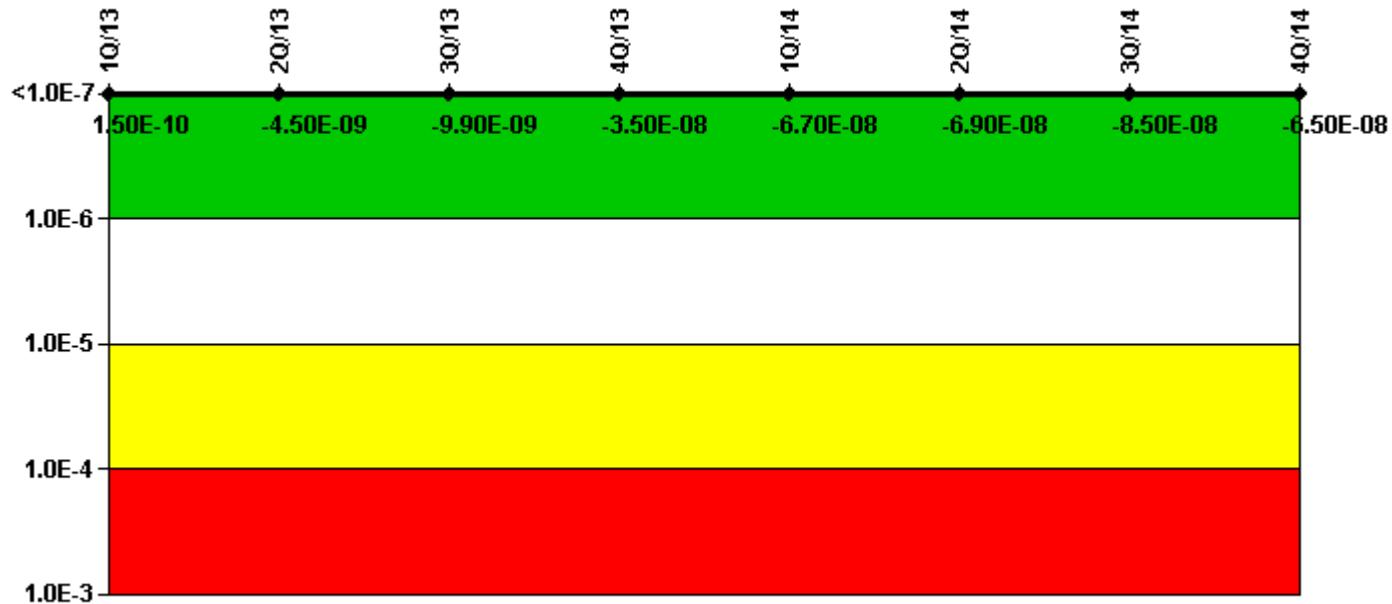
Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	2.59E-08	2.86E-08	2.17E-08	2.22E-08	1.68E-08	1.51E-08	1.86E-08	3.61E-08
URI (Δ CDF)	-6.34E-10	-6.34E-10	-6.35E-10	-6.36E-10	-4.76E-10	-4.77E-10	1.99E-09	7.22E-09
PLE	NO							
Indicator value	2.50E-08	2.80E-08	2.10E-08	2.20E-08	1.60E-08	1.50E-08	2.10E-08	4.30E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	1.32E-07	1.28E-07	1.22E-07	9.26E-08	8.77E-08	8.39E-08	6.29E-08	2.37E-08
URI (Δ CDF)	-1.32E-07	-1.32E-07	-1.32E-07	-1.27E-07	-1.55E-07	-1.53E-07	-1.48E-07	-8.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-10	-4.50E-09	-9.90E-09	-3.50E-08	-6.70E-08	-6.90E-08	-8.50E-08	-6.50E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of

service. Reference PER 913726

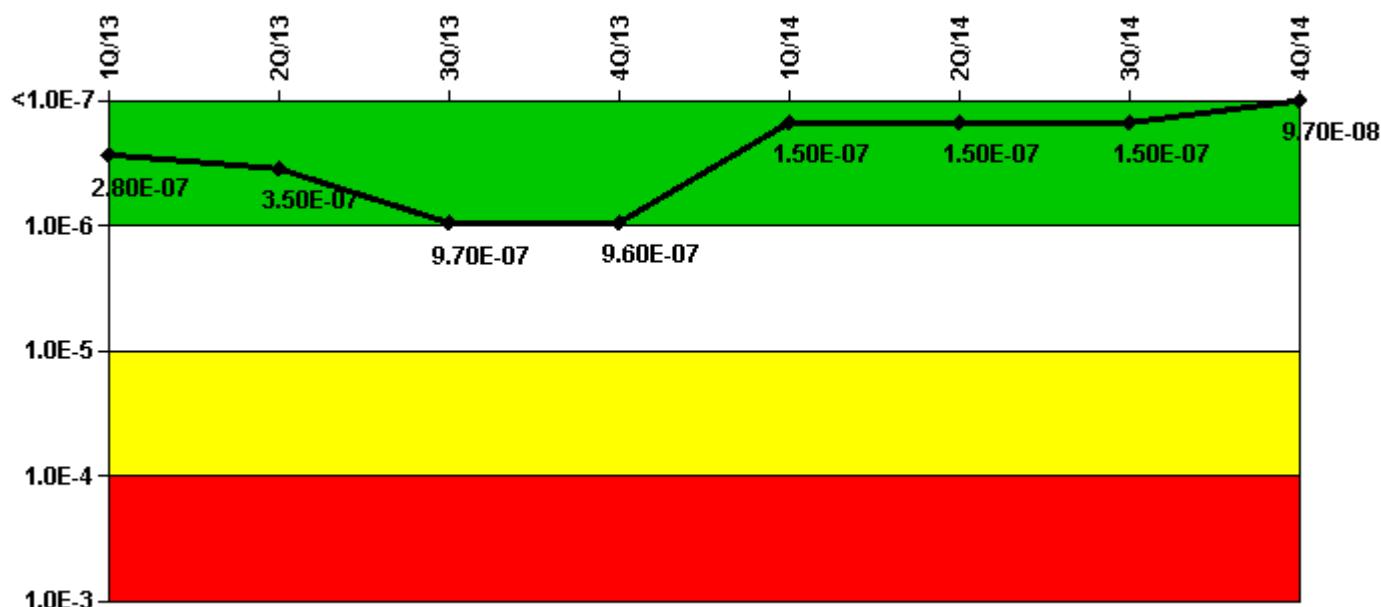
1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/14: The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Note in 1A (1) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

3Q/13: Note in 1A (1) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/13: Note in 1B (2) Removed 10:34 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 10:34 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

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)	4.96E-07	5.65E-07	6.91E-07	6.81E-07	3.59E-08	3.69E-08	3.89E-08	2.86E-08
URI (Δ CDF)	-2.14E-07	-2.17E-07	2.80E-07	2.77E-07	1.14E-07	1.12E-07	1.09E-07	6.88E-08
PLE	NO							
Indicator value	2.80E-07	3.50E-07	9.70E-07	9.60E-07	1.50E-07	1.50E-07	1.50E-07	9.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

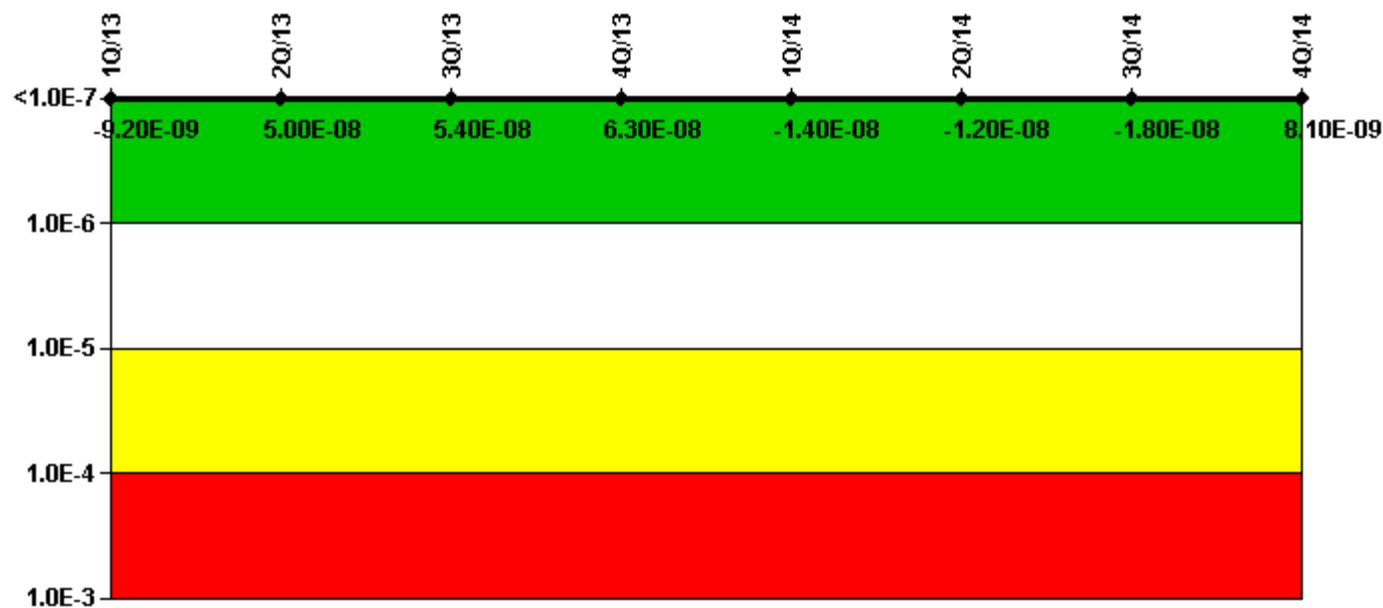
1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

2Q/13: Note in 1A (1) Removed 0:01 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 0:01 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

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)	1.19E-07	1.78E-07	1.83E-07	1.91E-07	1.86E-08	1.90E-08	1.34E-08	1.58E-08
URI (Δ CDF)		-1.28E-07	-1.28E-07	-1.28E-07	-3.25E-08	-3.13E-08	-3.13E-08	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-09	5.00E-08	5.40E-08	6.30E-08	-1.40E-08	-1.20E-08	-1.80E-08	8.10E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with

NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

3Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

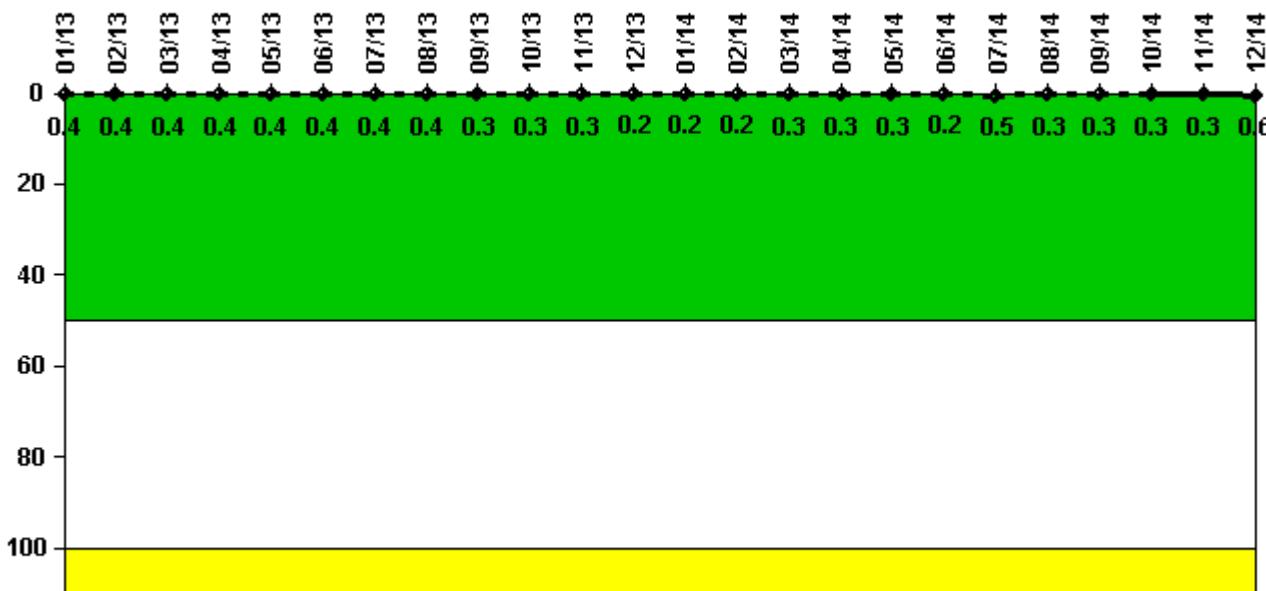
Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
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Maximum activity	0.000412	0.000445	0.000430	0.000465	0.000479	0.000491	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1	0.1	0.1	0.1						
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	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1									

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

Reactor Coolant System Leakage

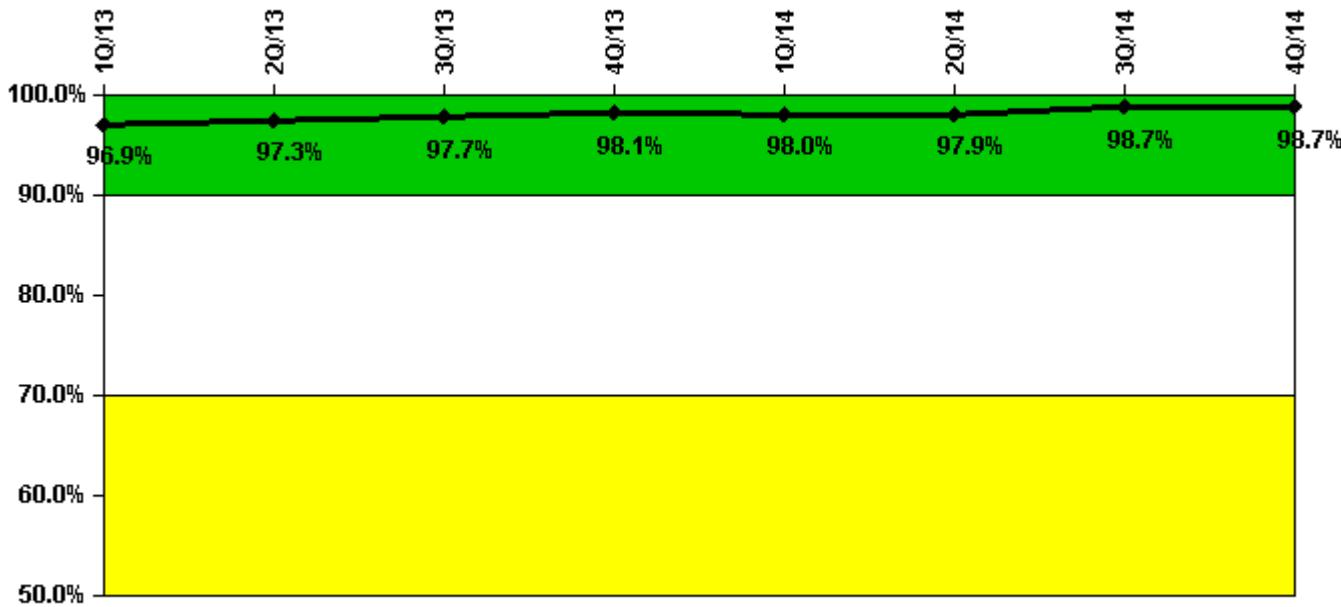


Thresholds: White > 50.0 Yellow > 100.0

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	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.3	0.3	0.2							
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.020	0.020	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.030	0.030	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.6

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

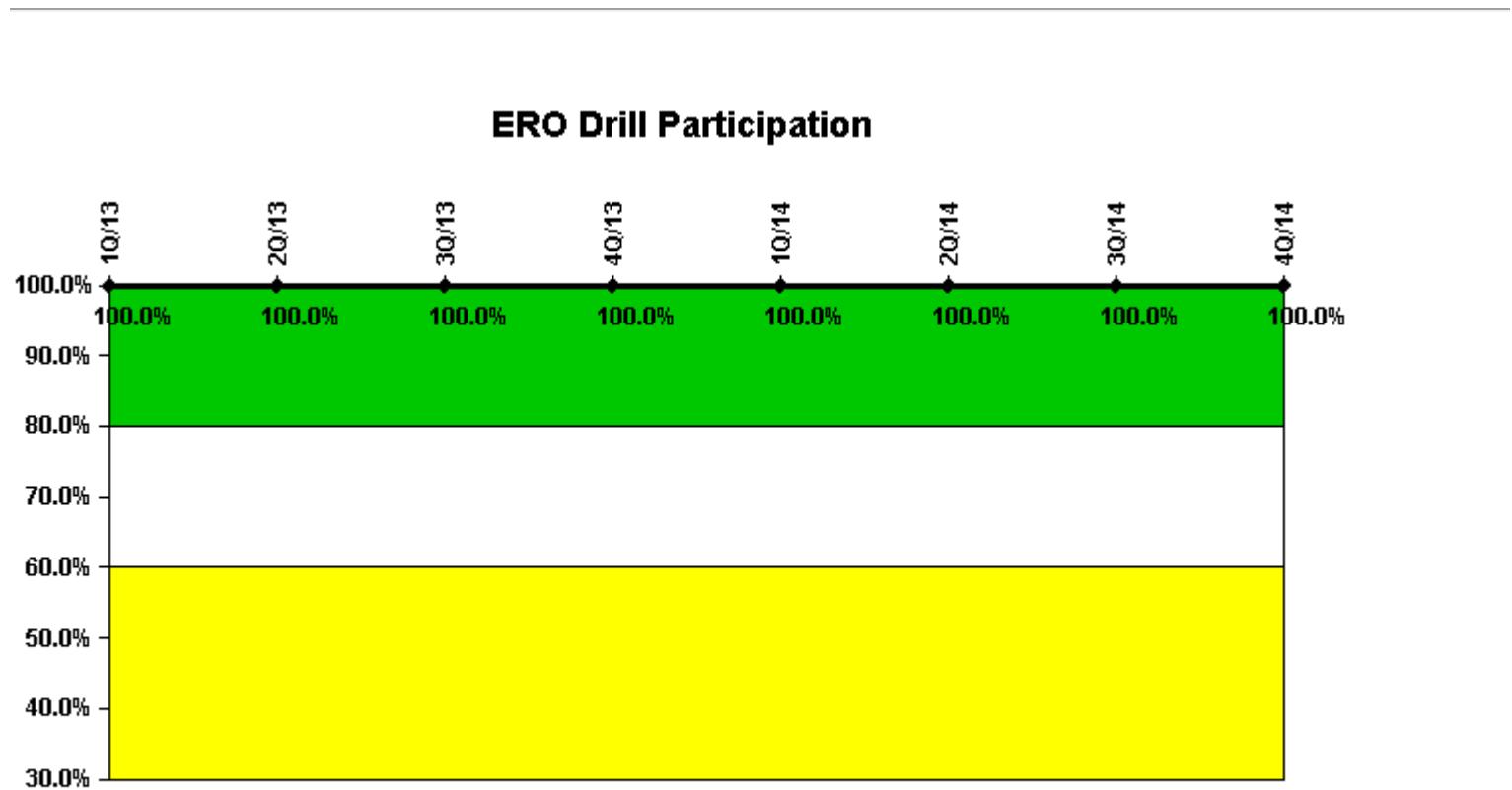
Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	41.0	50.0	84.0	0	41.0	18.0	52.0	85.0
Total opportunities	42.0	50.0	86.0	0	42.0	18.0	52.0	86.0

Indicator value	96.9%	97.3%	97.7%	98.1%	98.0%	97.9%	98.7%	98.7%
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Licensee Comments:

3Q/13: During the Nov 2014 HAB inspection it was noted that the August 2013 Notifications and classifications count for the month had an error. This was found by the NRC inspector. Data has been changed to accurately reflect the appropriate count. PER 959227



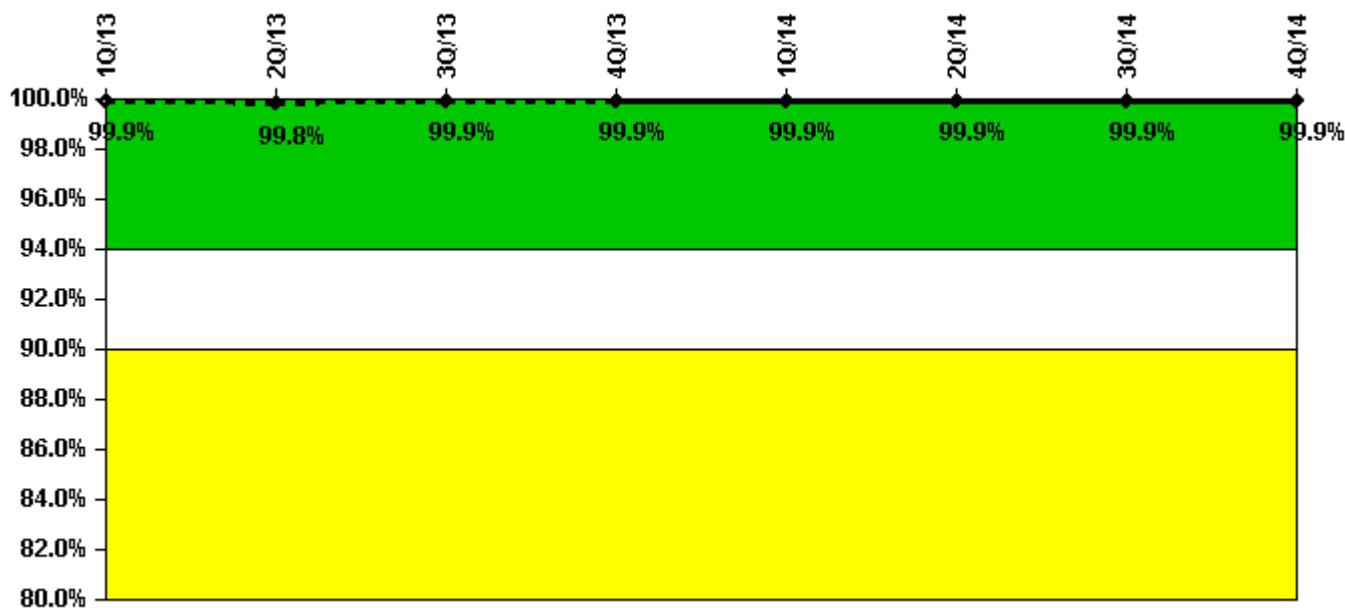
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	97.0	98.0	97.0	92.0	89.0	101.0	89.0	92.0
Total Key personnel	97.0	98.0	97.0	92.0	89.0	101.0	89.0	92.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



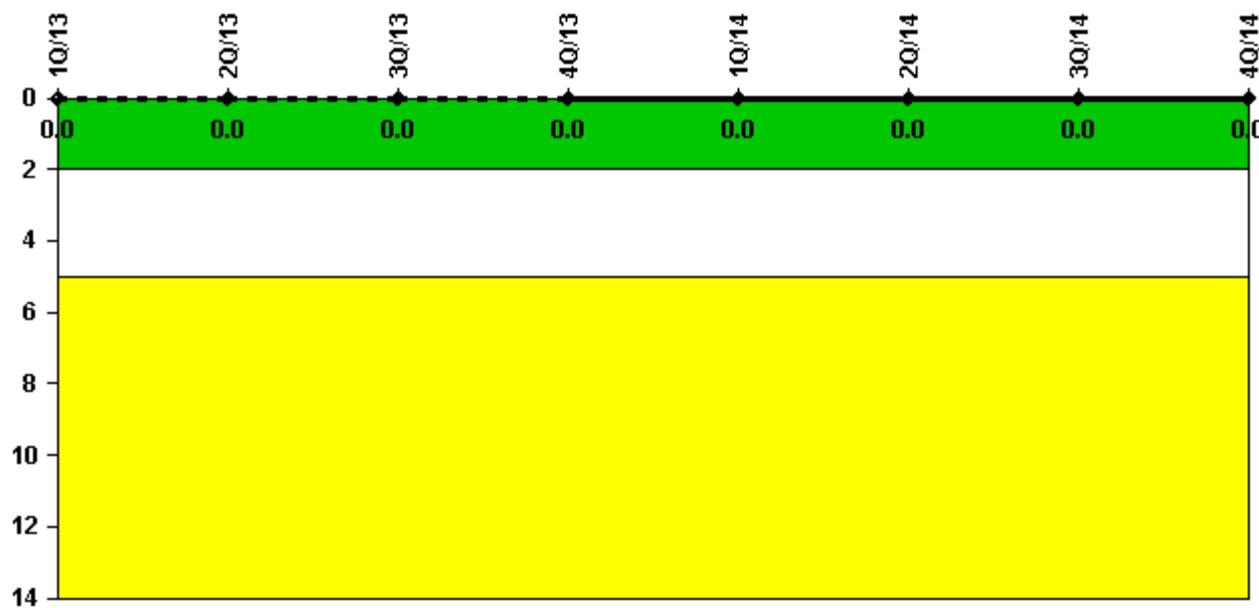
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	978	889	1014	790	1017	791	1016	903
Total sirens-tests	978	890	1016	791	1017	791	1017	904
Indicator value	99.9%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



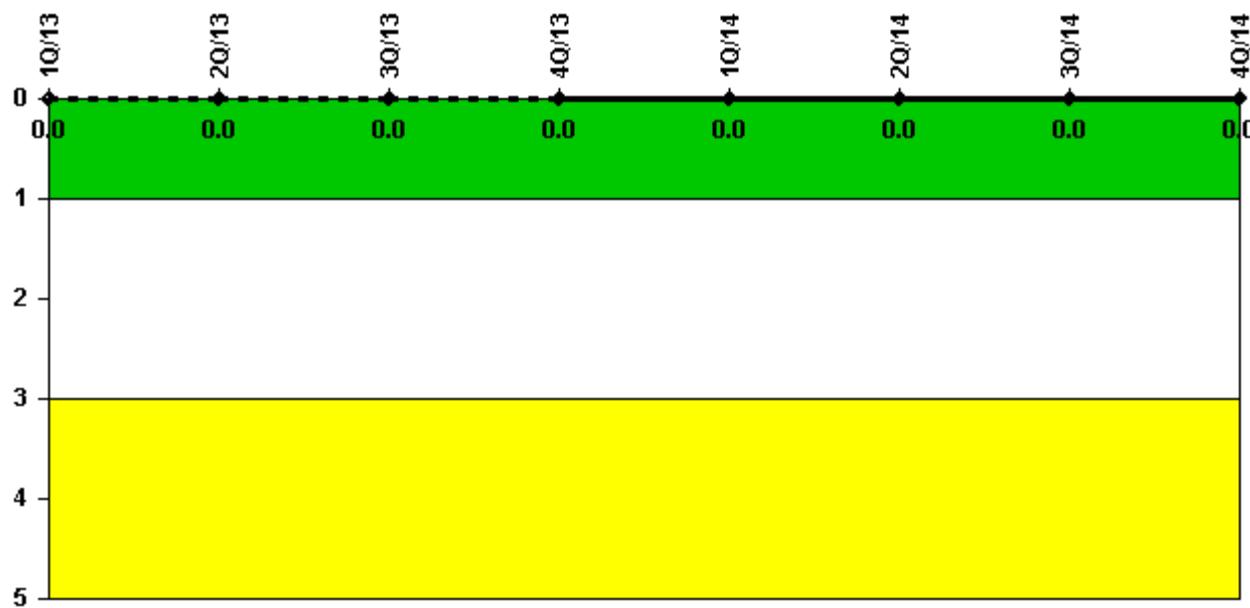
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

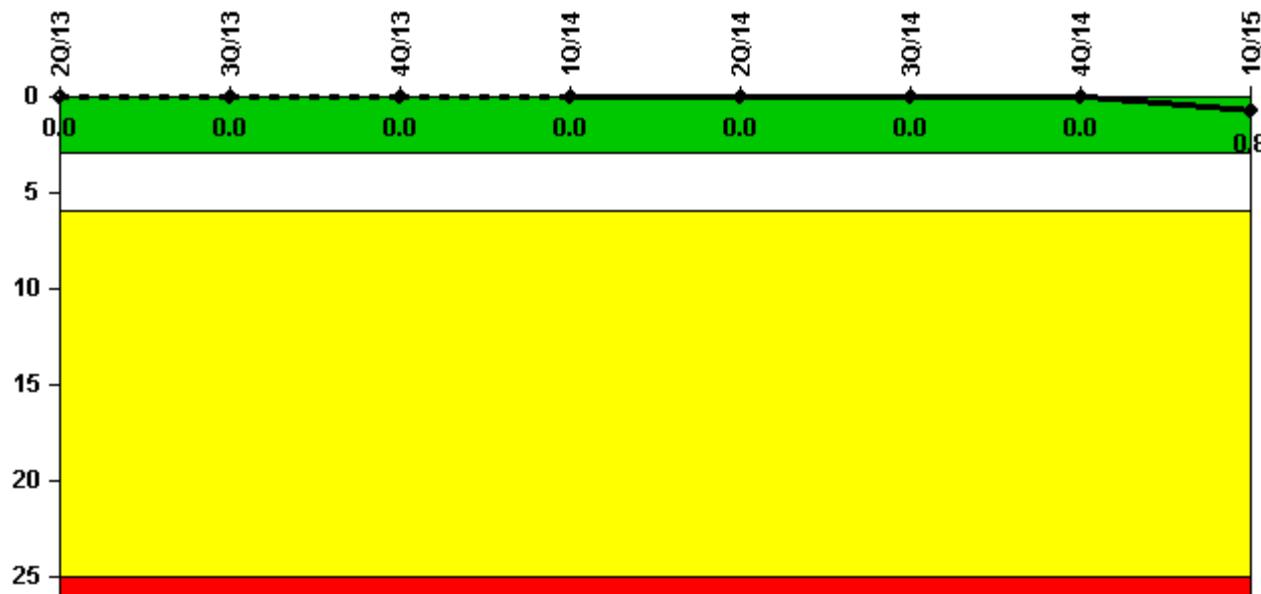
Sequoyah 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



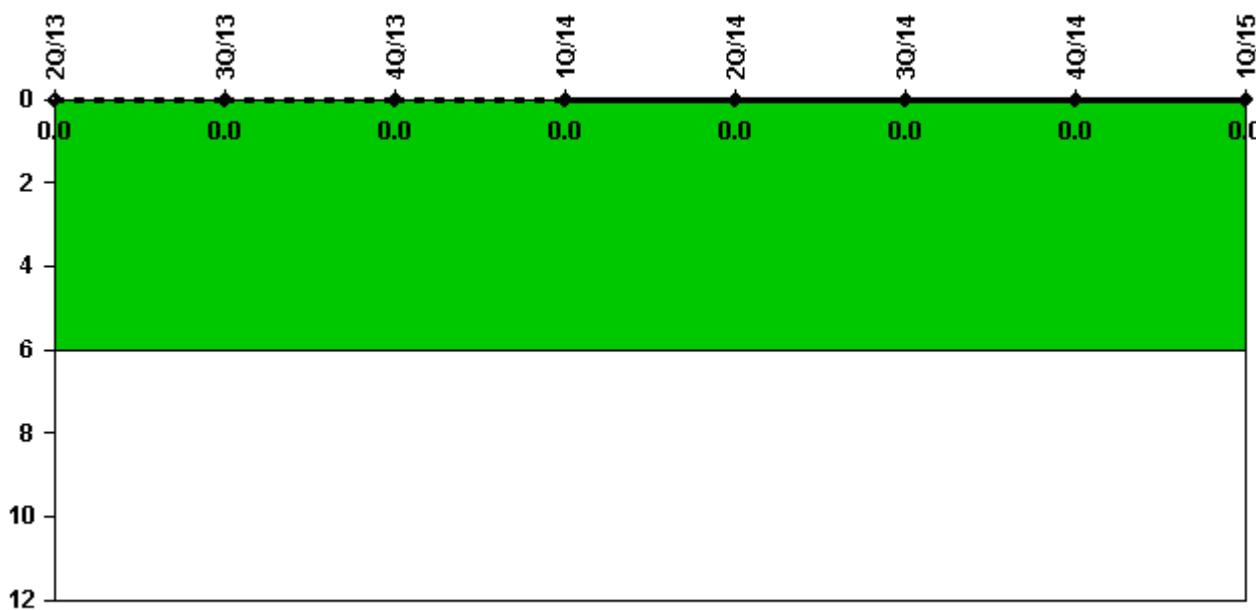
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0
Critical hours	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0	2209.0	2086.6
Indicator value	0	0.8						

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



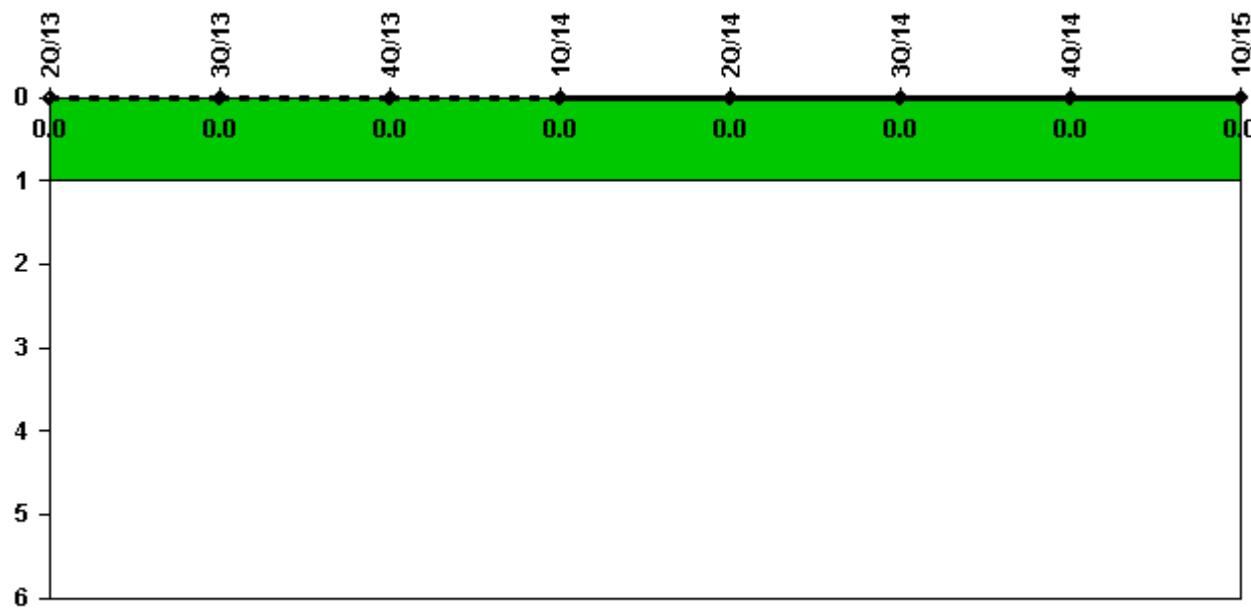
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1304.9	2159.0	2184.0	2208.0	2209.0	2086.6
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



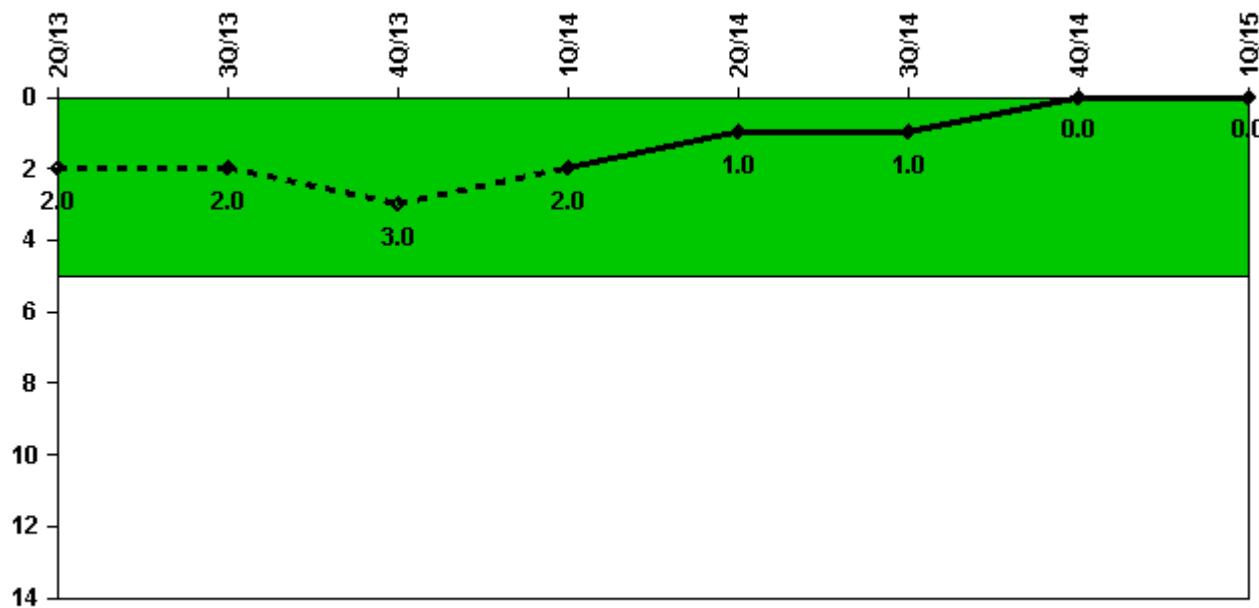
Thresholds: White > 1.0

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

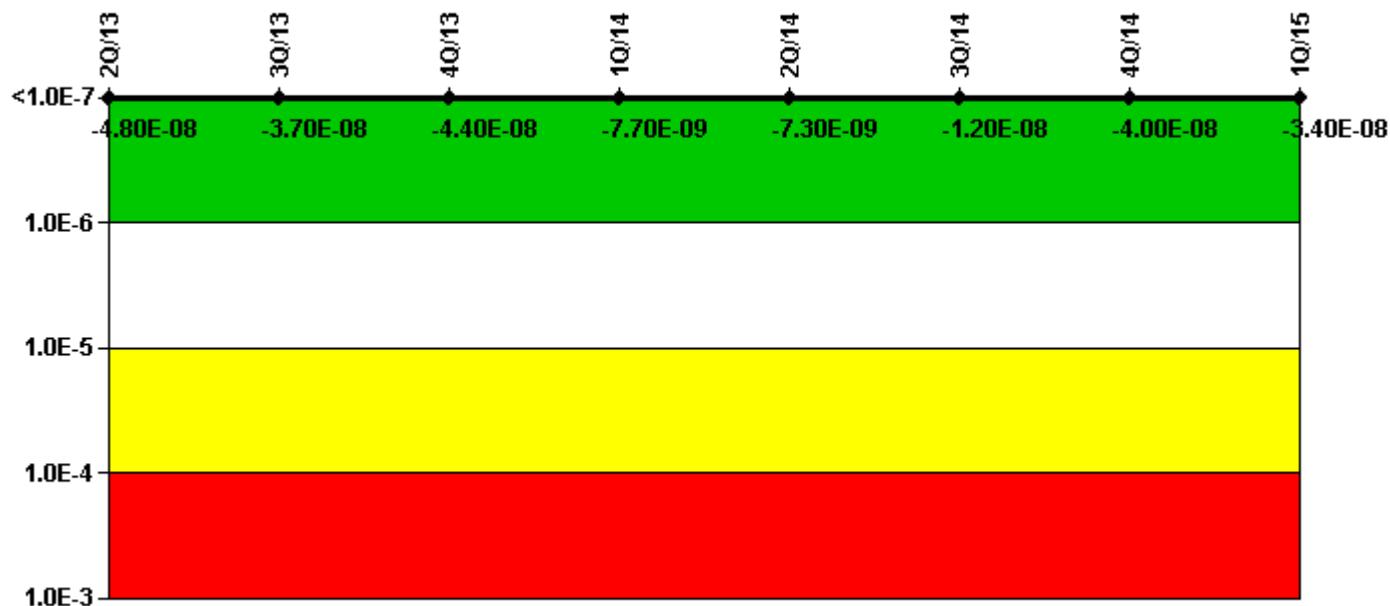
Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	1	0	1	0	0	0	0	0
Indicator value	2	2	3	2	1	1	0	0

Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

2Q/13: LER 327/328/2013-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

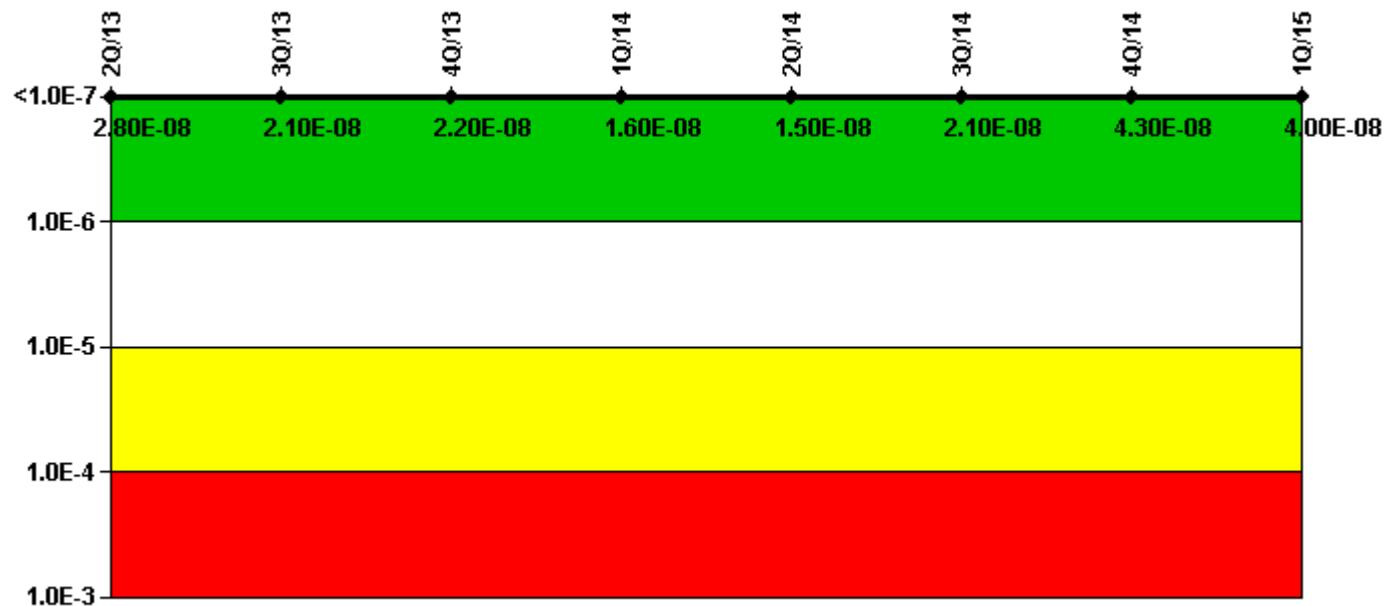
Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	8.19E-08	9.71E-08	9.27E-08	1.26E-08	1.16E-08	7.89E-09	3.63E-09	8.49E-09
URI (Δ CDF)	-1.29E-07	-1.34E-07	-1.36E-07	-2.03E-08	-1.89E-08	-1.96E-08	-4.33E-08	-4.30E-08
PLE	NO							
Indicator value	-4.80E-08	-3.70E-08	-4.40E-08	-7.70E-09	-7.30E-09	-1.20E-08	-4.00E-08	-3.40E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	2.86E-08	2.17E-08	2.22E-08	1.68E-08	1.51E-08	1.86E-08	3.61E-08	3.30E-08
URI (Δ CDF)	-6.34E-10	-6.35E-10	-6.36E-10	-4.76E-10	-4.77E-10	1.99E-09	7.22E-09	7.22E-09
PLE	NO							
Indicator value	2.80E-08	2.10E-08	2.20E-08	1.60E-08	1.50E-08	2.10E-08	4.30E-08	4.00E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	1.28E-07	1.22E-07	9.26E-08	8.77E-08	8.39E-08	6.29E-08	2.37E-08	6.79E-09
URI (Δ CDF)	-1.32E-07	-1.32E-07	-1.27E-07	-1.55E-07	-1.53E-07	-1.48E-07	-8.91E-08	-9.08E-08
PLE	NO							
Indicator value	-4.50E-09	-9.90E-09	-3.50E-08	-6.70E-08	-6.90E-08	-8.50E-08	-6.50E-08	-8.40E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of

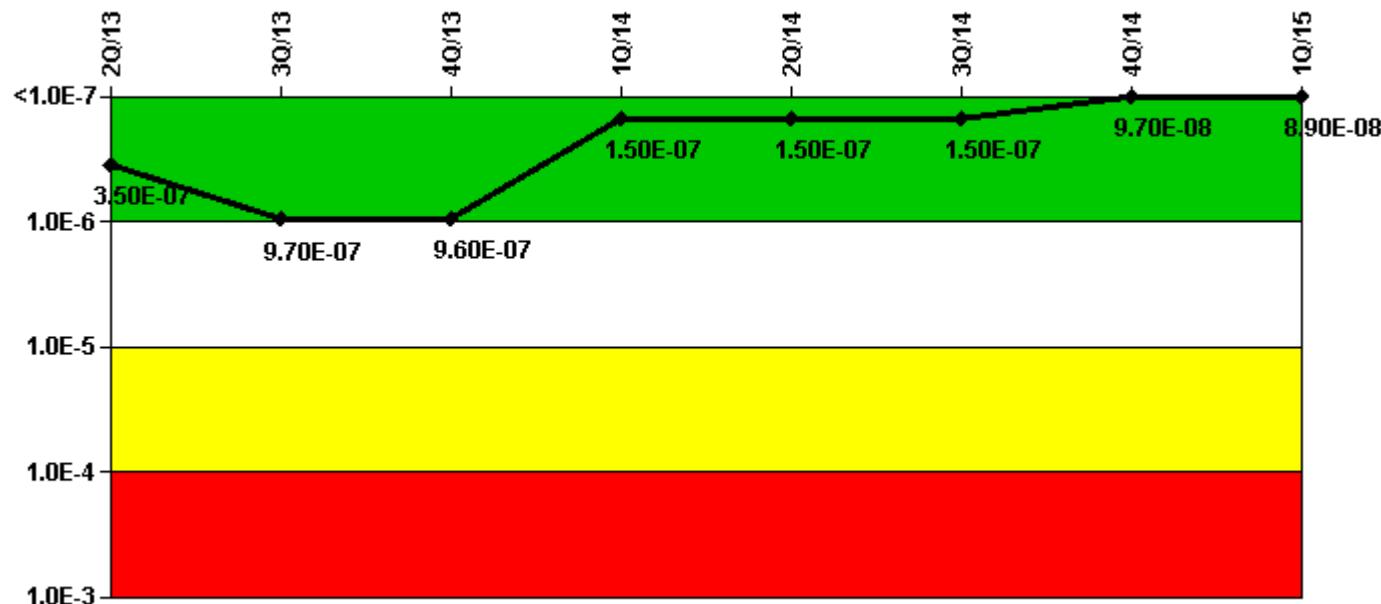
service. Reference PER 913726

1Q/14: The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Note in 1A (1) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/13: Note in 1A (1) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

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)	5.65E-07	6.91E-07	6.81E-07	3.59E-08	3.69E-08	3.89E-08	2.86E-08	2.17E-08
URI (Δ CDF)	-2.17E-07	2.80E-07	2.77E-07	1.14E-07	1.12E-07	1.09E-07	6.88E-08	6.74E-08
PLE	NO							
Indicator value	3.50E-07	9.70E-07	9.60E-07	1.50E-07	1.50E-07	1.50E-07	9.70E-08	8.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

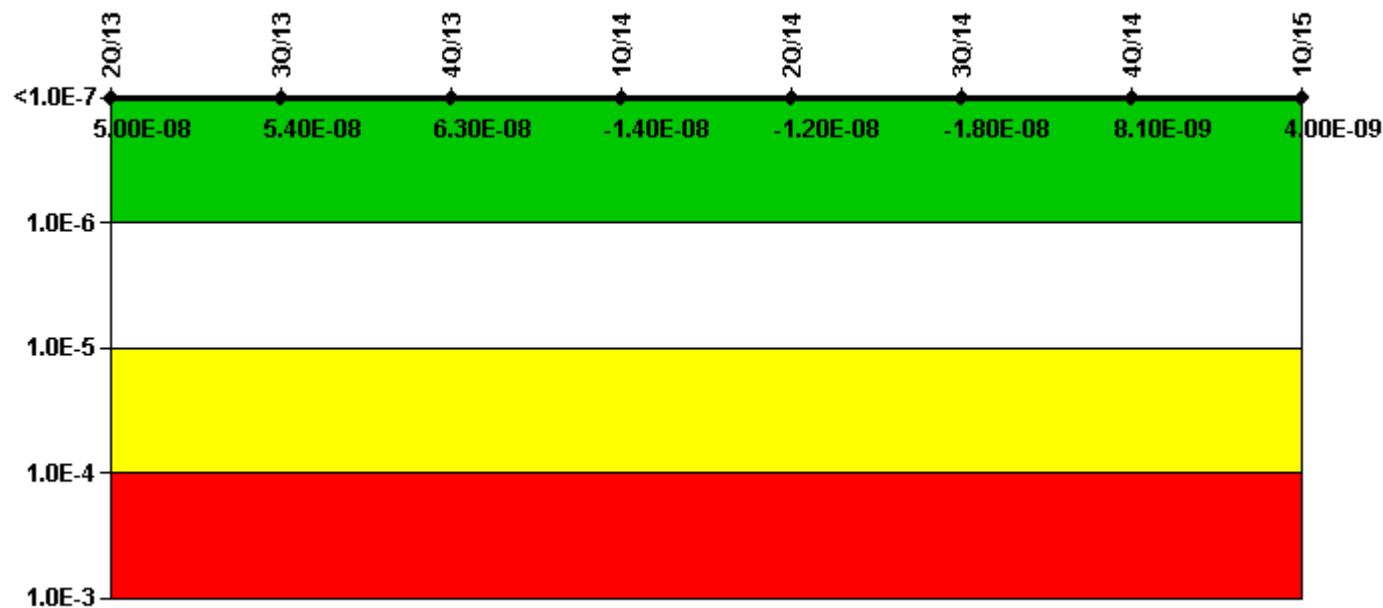
1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

2Q/13: Note in 1A (1) Removed 0:01 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 0:01 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

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)	1.78E-07	1.83E-07	1.91E-07	1.86E-08	1.90E-08	1.34E-08	1.58E-08	1.17E-08
URI (Δ CDF)	-1.28E-07	-1.28E-07	-1.28E-07	-3.25E-08	-3.13E-08	-3.13E-08	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-08	5.40E-08	6.30E-08	-1.40E-08	-1.20E-08	-1.80E-08	8.10E-09	4.00E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with

NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

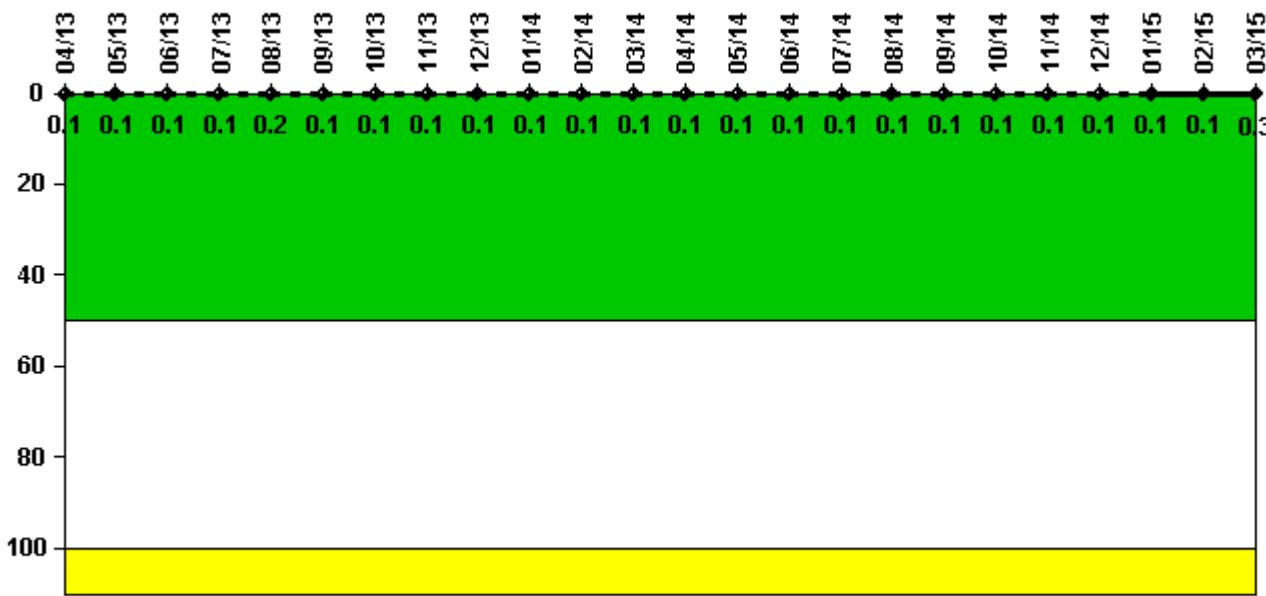
4Q/13: Changed PRA Parameter(s).

3Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

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2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

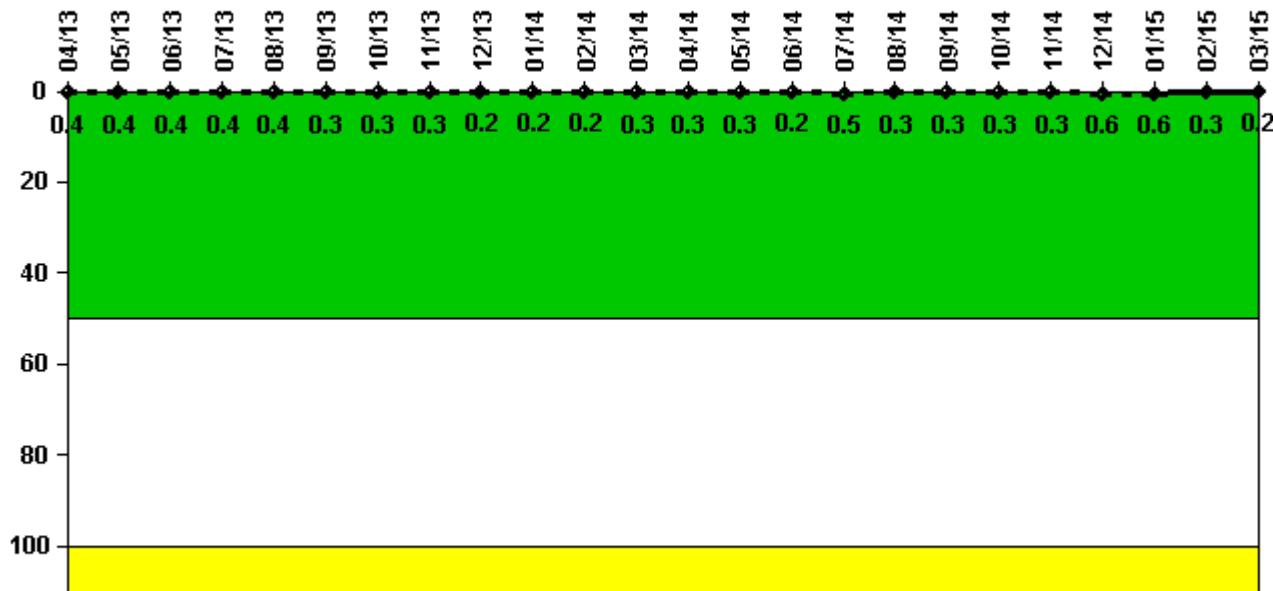
Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000465	0.000479	0.000491	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289
Technical												

specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.3						

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

Reactor Coolant System Leakage



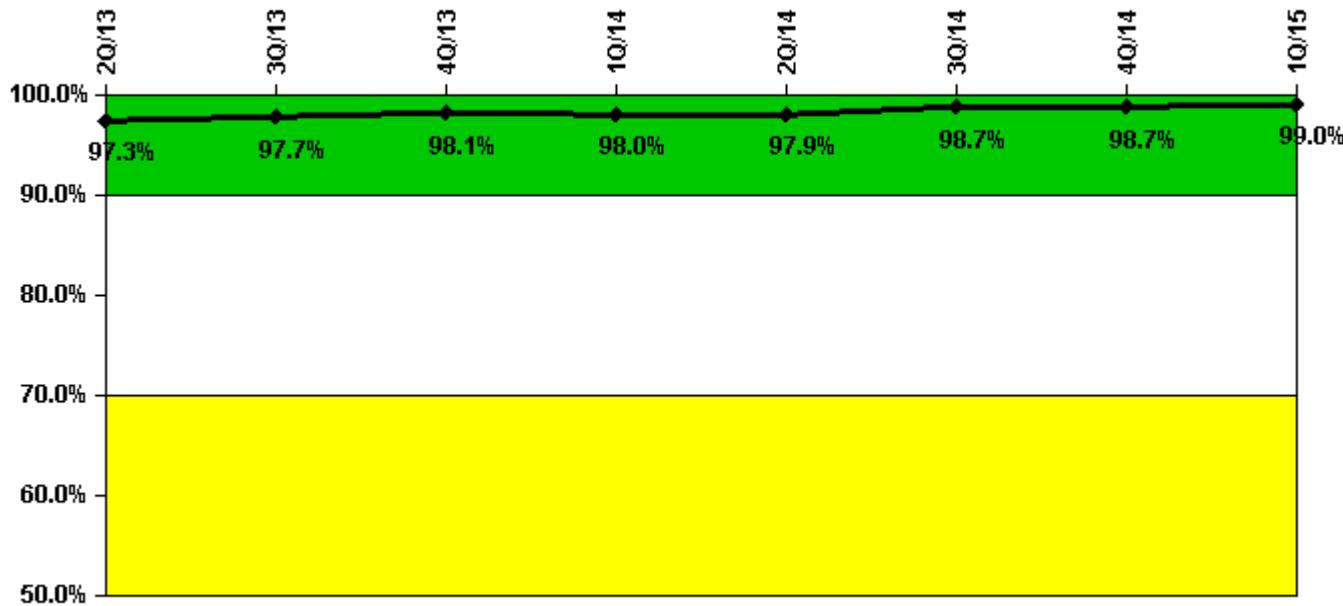
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3
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	0.030	0.030	0.020	0.050	0.030	0.030	0.030	0.030	0.060	0.060	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.6	0.6	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance



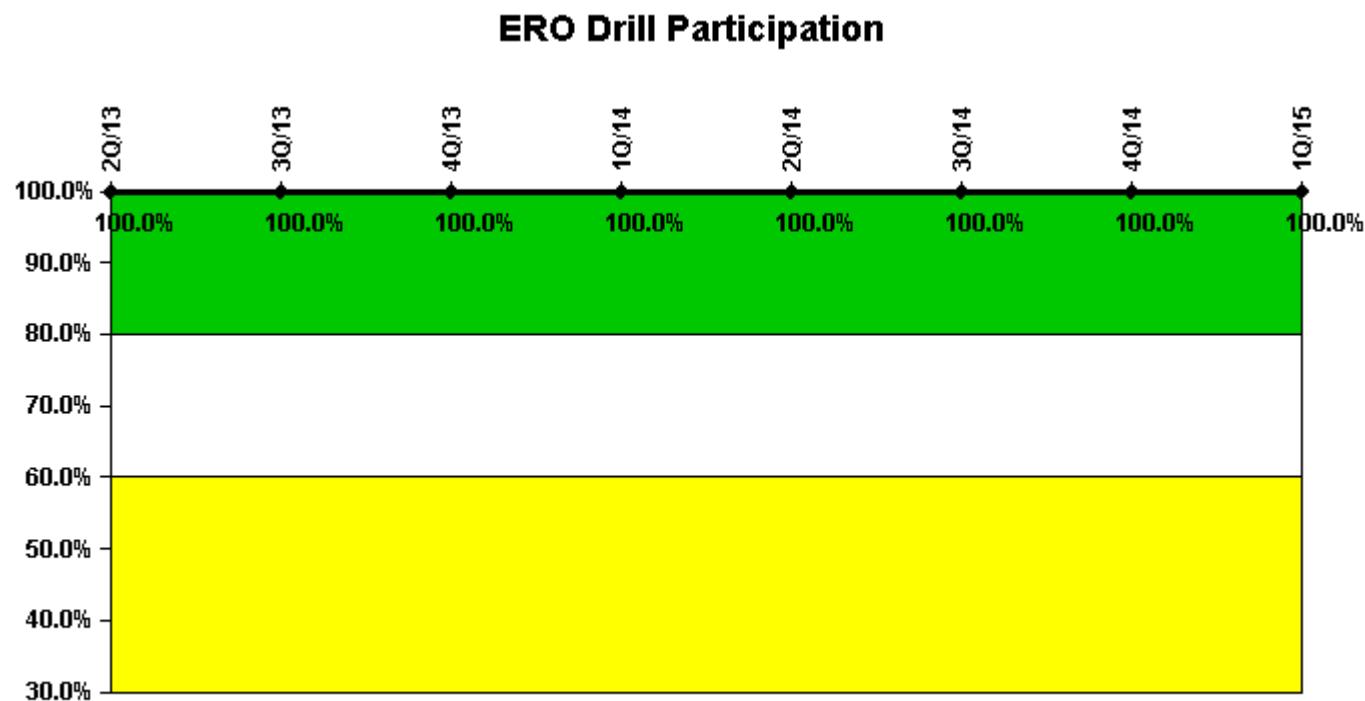
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	50.0	84.0	0	41.0	18.0	52.0	85.0	58.0
Total opportunities	50.0	86.0	0	42.0	18.0	52.0	86.0	58.0
Indicator value	97.3%	97.7%	98.1%	98.0%	97.9%	98.7%	98.7%	99.0%

Licensee Comments:

3Q/13: During the Nov 2014 HAB inspection it was noted that the August 2013 Notifications and classifications count for the month had an error. This was found by the NRC inspector. Data has been changed to accurately reflect the appropriate count. PER 959227



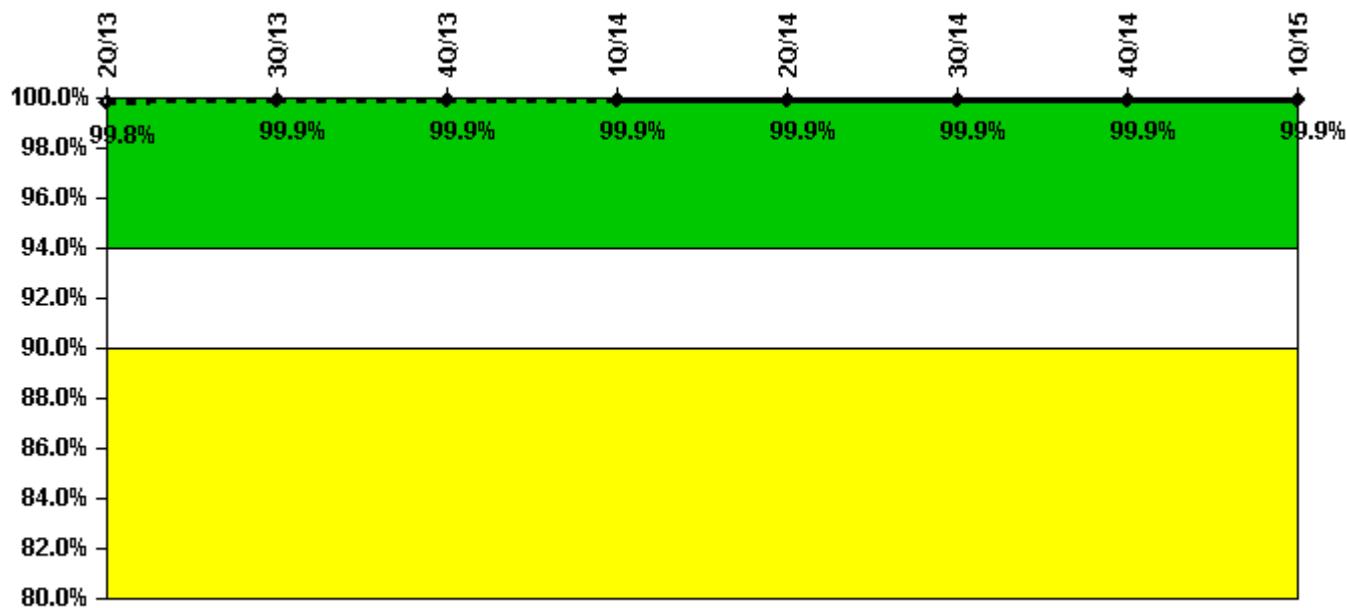
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	98.0	97.0	92.0	89.0	101.0	89.0	92.0	95.0
Total Key personnel	98.0	97.0	92.0	89.0	101.0	89.0	92.0	95.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



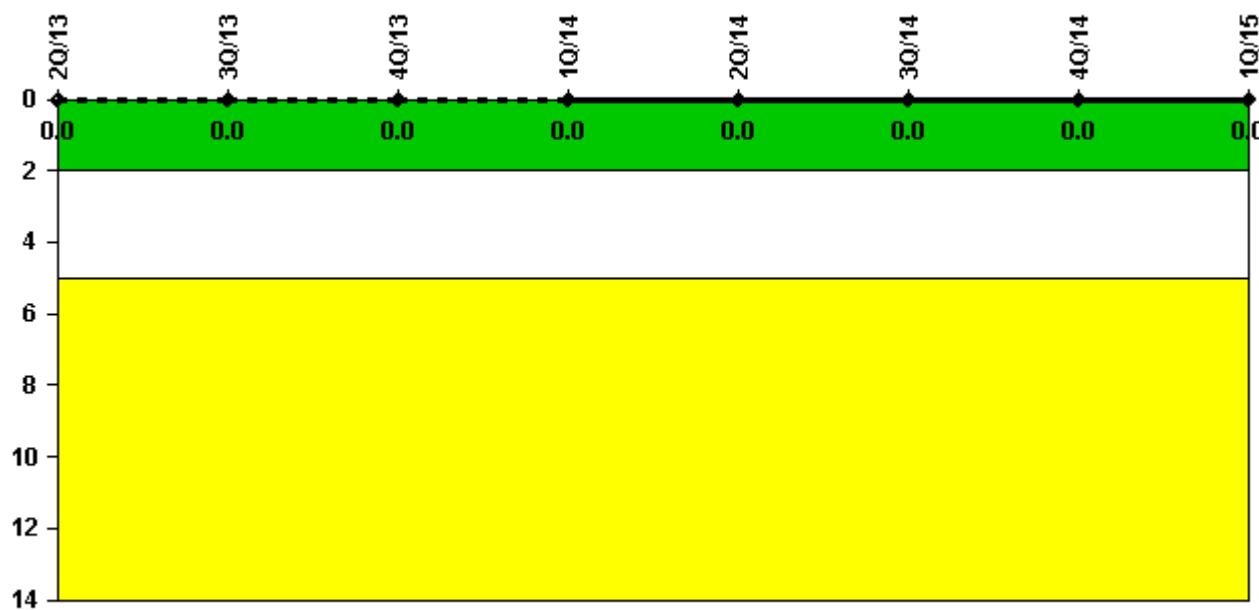
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	889	1014	790	1017	791	1016	903	1017
Total sirens-tests	890	1016	791	1017	791	1017	904	1017
Indicator value	99.8%	99.9%						

Licensee Comments: none

Occupational Exposure Control Effectiveness

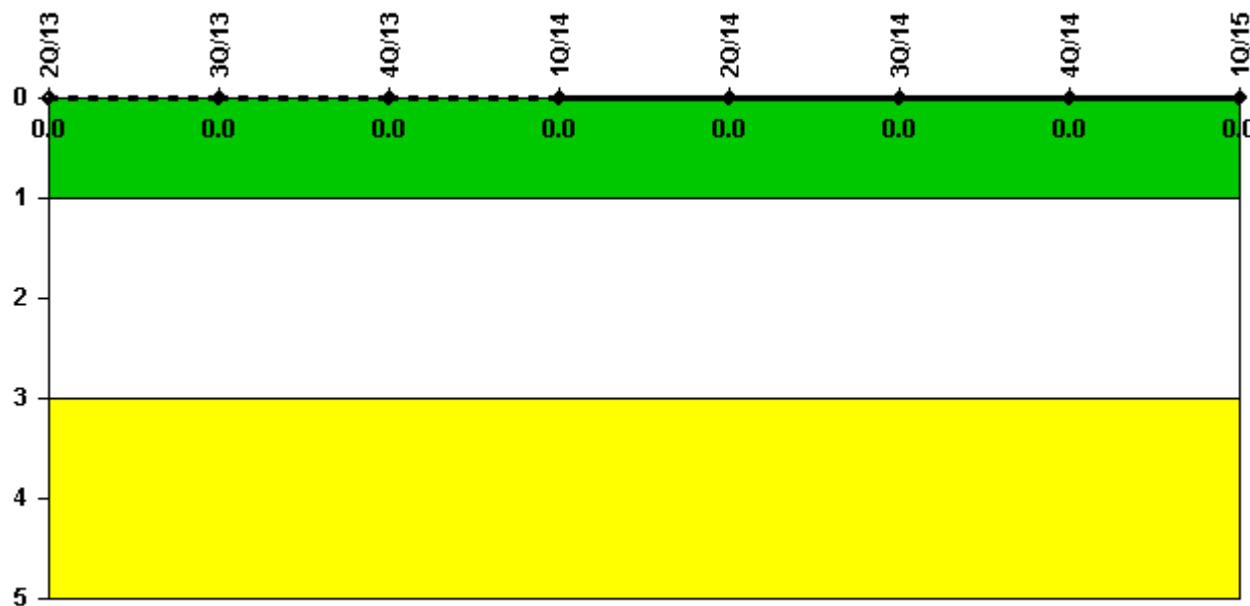


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

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

Last Modified: April 23, 2015

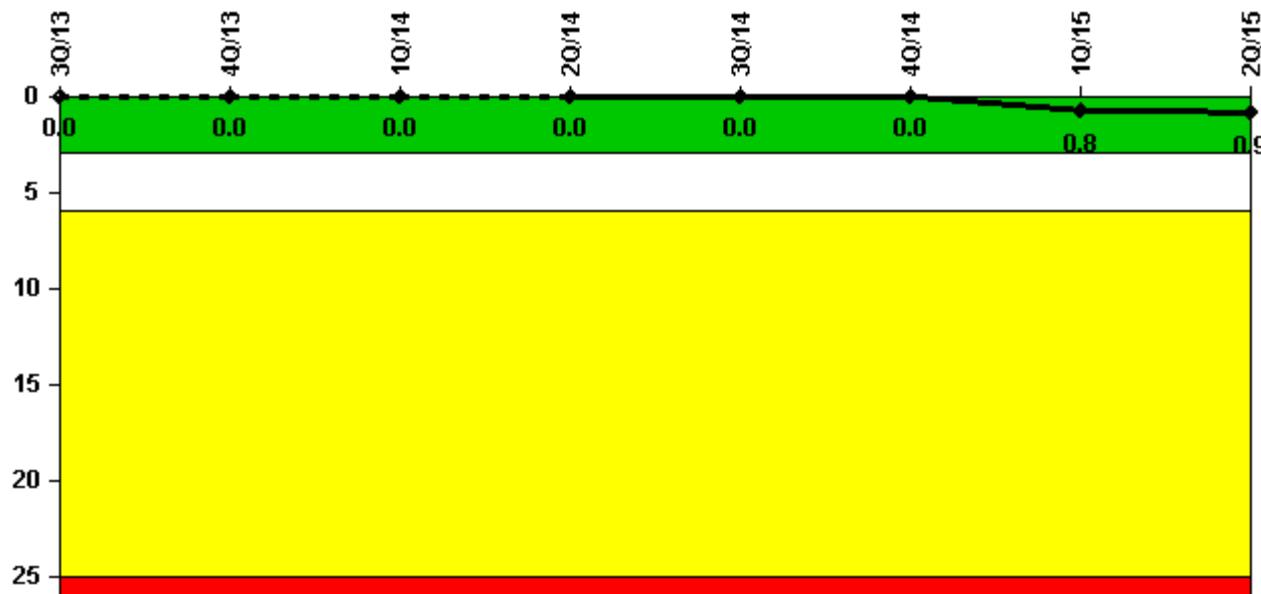
Sequoyah 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



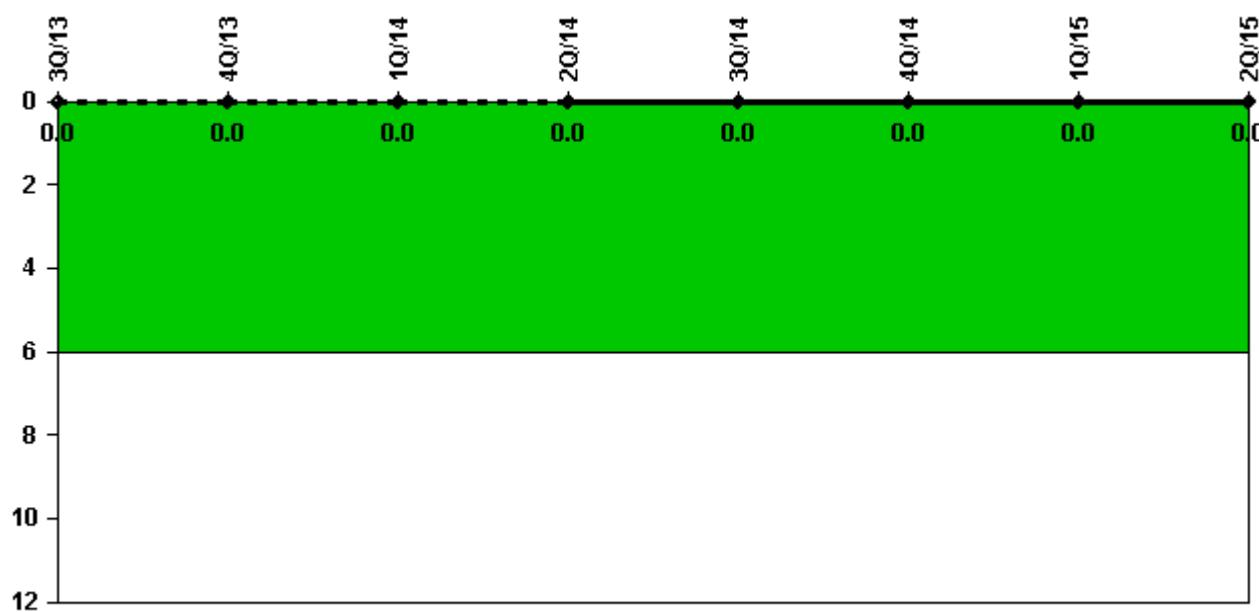
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0
Critical hours	2208.0	1304.9	2159.0	2184.0	2208.0	2209.0	2086.6	1357.5
Indicator value	0	0	0	0	0	0	0.8	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



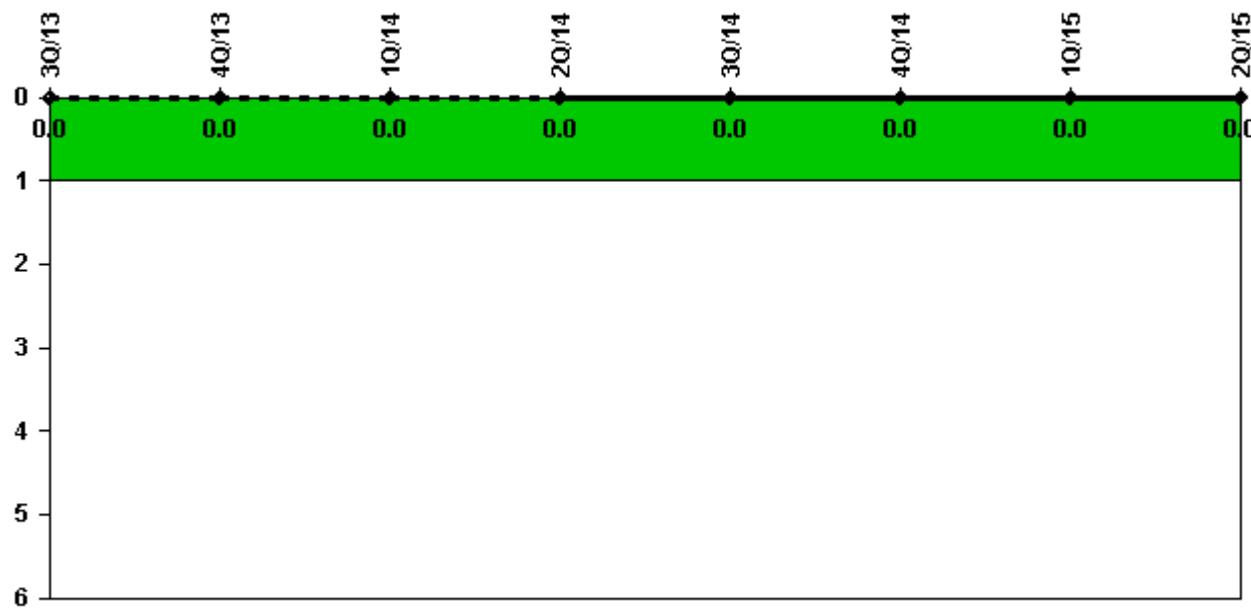
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	22080.0	1304.9	21590.0	21840.0	22080.0	22090.0	2086.6	1357.5
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



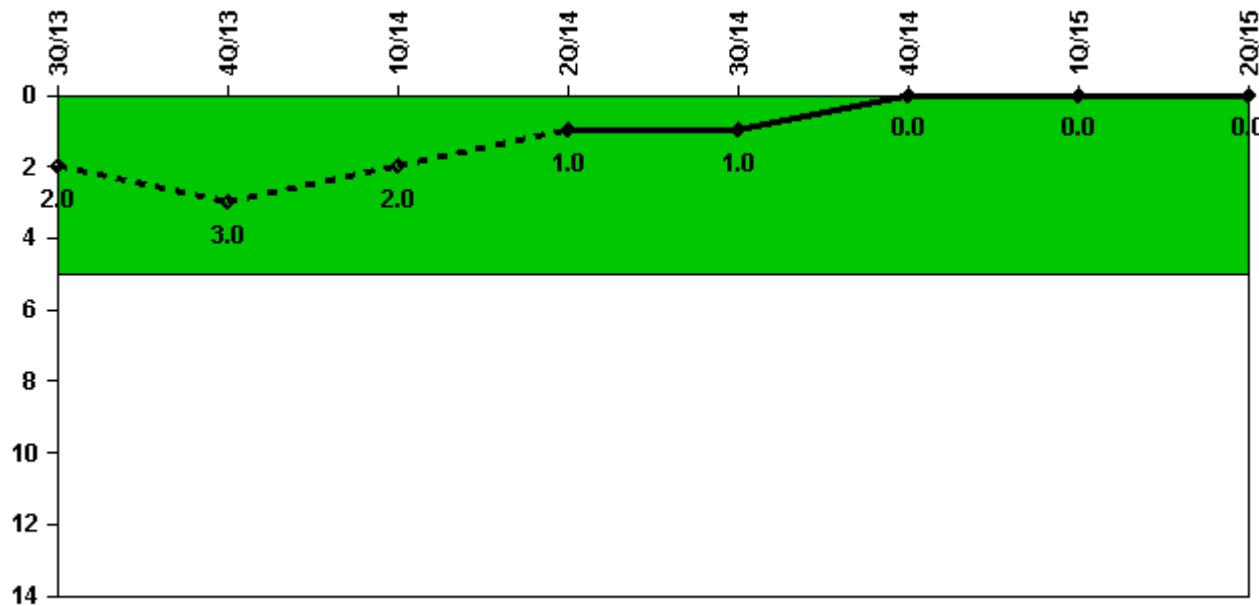
Thresholds: White > 1.0

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

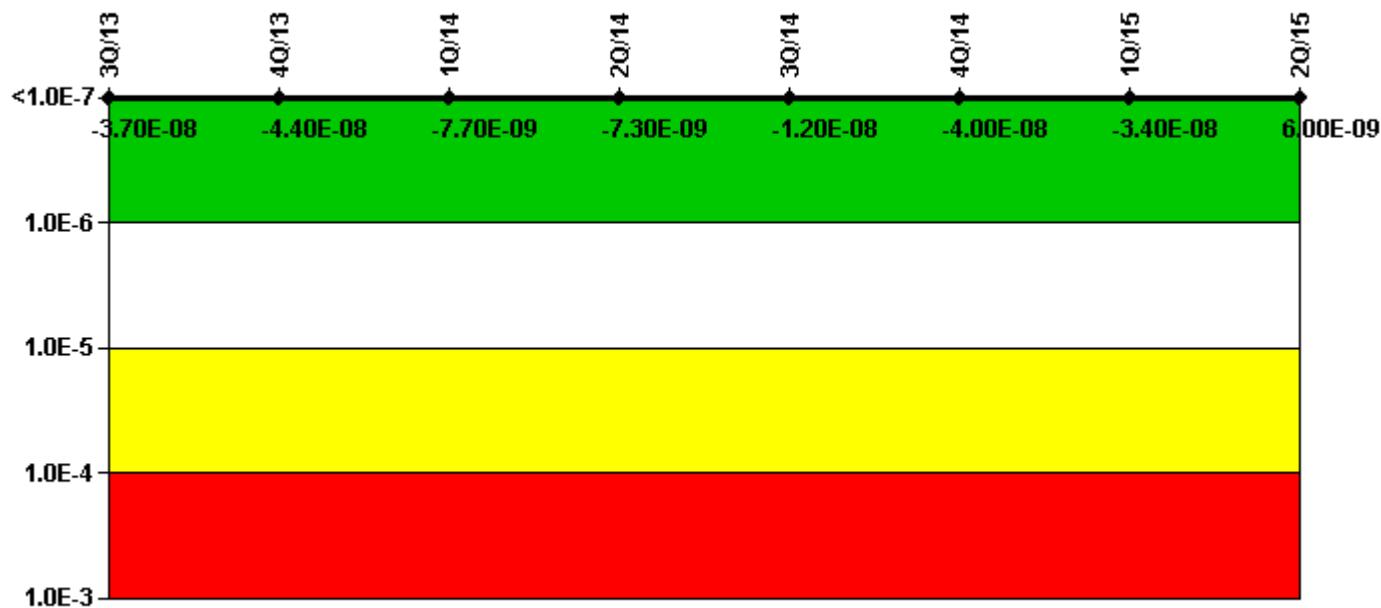
Notes

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

Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

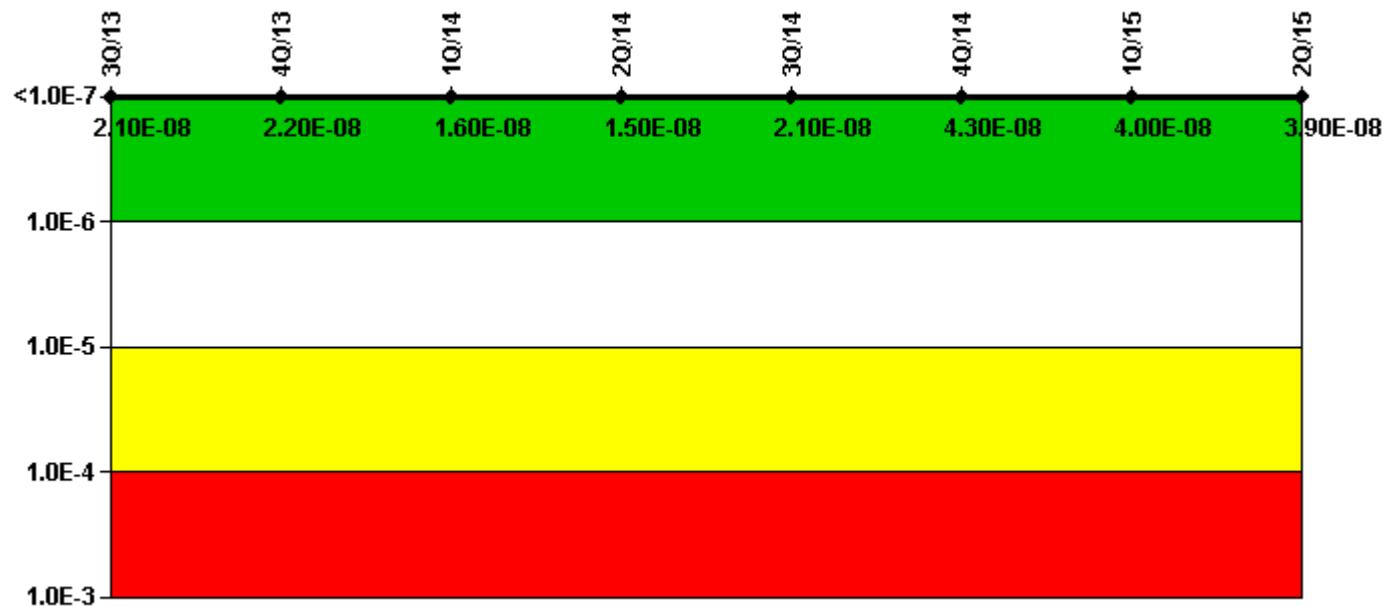
Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	9.71E-08	9.27E-08	1.26E-08	1.16E-08	7.89E-09	3.63E-09	8.49E-09	1.86E-08
URI (Δ CDF)	-1.34E-07	-1.36E-07	-2.03E-08	-1.89E-08	-1.96E-08	-4.33E-08	-4.30E-08	-1.26E-08
PLE	NO	NO						
Indicator value	-3.70E-08	-4.40E-08	-7.70E-09	-7.30E-09	-1.20E-08	-4.00E-08	-3.40E-08	6.00E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	2.17E-08	2.22E-08	1.68E-08	1.51E-08	1.86E-08	3.61E-08	3.30E-08	3.21E-08
URI (Δ CDF)	-6.35E-10	-6.36E-10	-4.76E-10	-4.77E-10	1.99E-09	7.22E-09	7.22E-09	7.22E-09
PLE	NO							
Indicator value	2.10E-08	2.20E-08	1.60E-08	1.50E-08	2.10E-08	4.30E-08	4.00E-08	3.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.22E-07	9.26E-08	8.77E-08	8.39E-08	6.29E-08	2.37E-08	6.79E-09	4.45E-09
URI (Δ CDF)	-1.32E-07	-1.27E-07	-1.55E-07	-1.53E-07	-1.48E-07	-8.91E-08	-9.08E-08	-9.20E-08
PLE	NO							
Indicator value	-9.90E-09	-3.50E-08	-6.70E-08	-6.90E-08	-8.50E-08	-6.50E-08	-8.40E-08	-8.80E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of

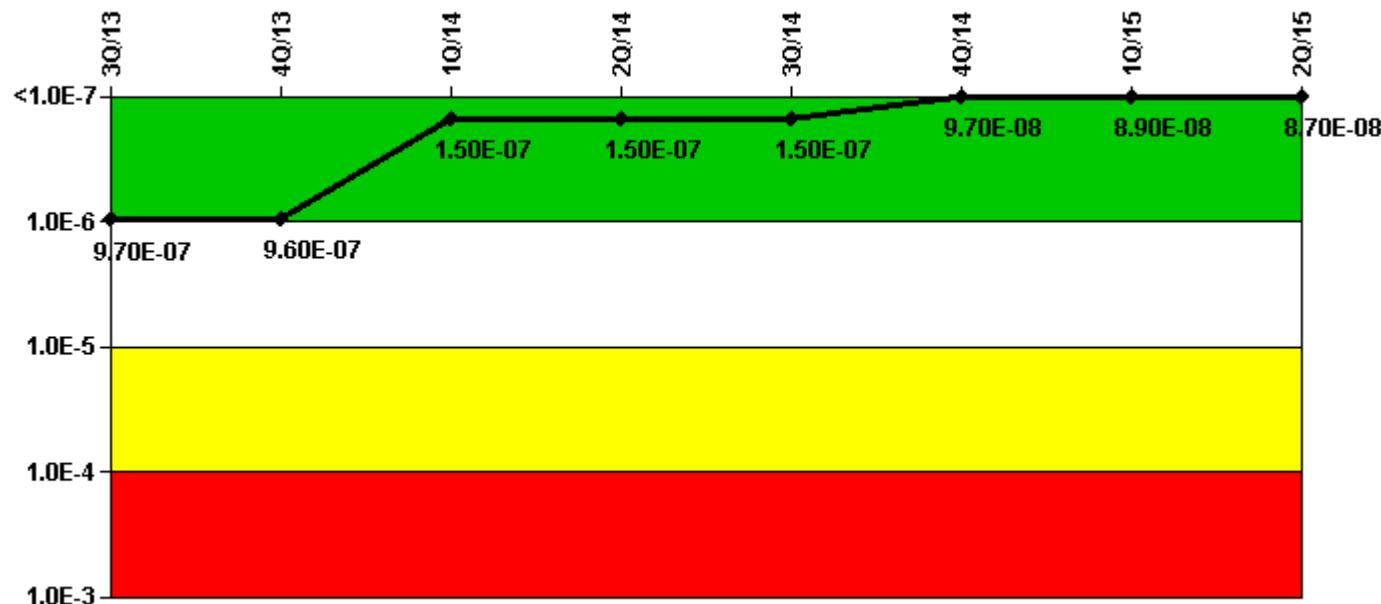
service. Reference PER 913726

1Q/14: The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Note in 1A (1) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

3Q/13: Note in 1A (1) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 0:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

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)	6.91E-07	6.81E-07	3.59E-08	3.69E-08	3.89E-08	2.86E-08	2.17E-08	2.12E-08
URI (Δ CDF)	2.80E-07	2.77E-07	1.14E-07	1.12E-07	1.09E-07	6.88E-08	6.74E-08	6.61E-08
PLE	NO							
Indicator value	9.70E-07	9.60E-07	1.50E-07	1.50E-07	1.50E-07	9.70E-08	8.90E-08	8.70E-08

Licensee Comments:

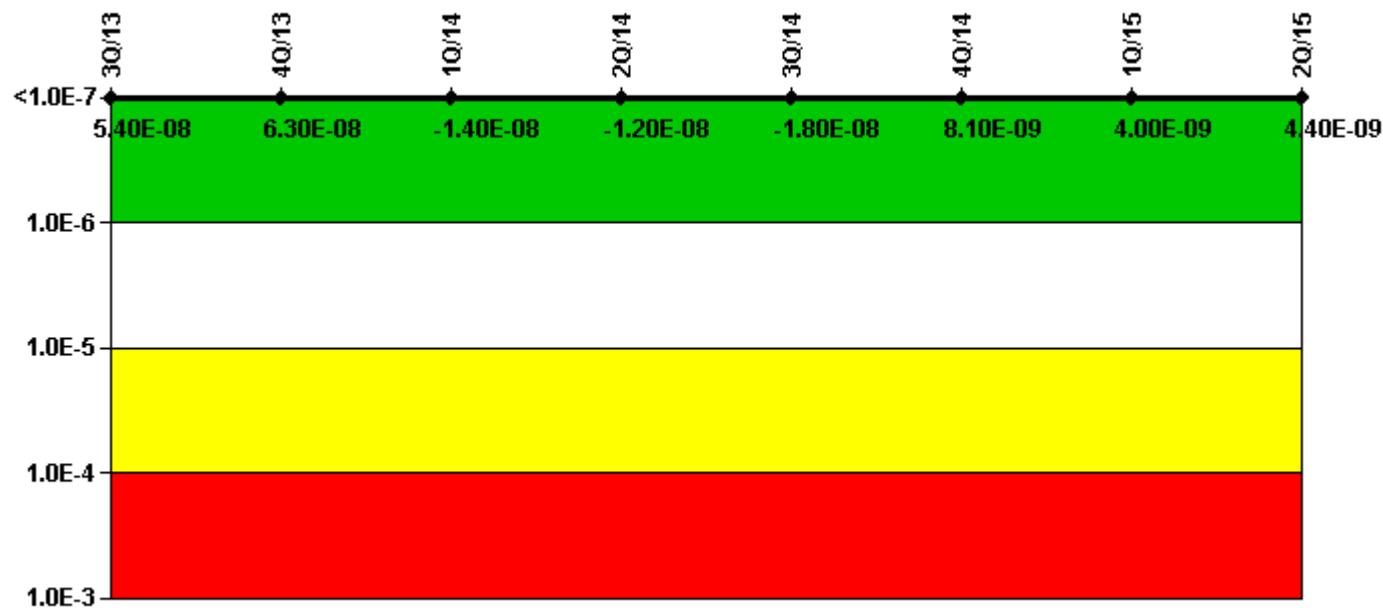
4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.

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)	1.83E-07	1.91E-07	1.86E-08	1.90E-08	1.34E-08	1.58E-08	1.17E-08	1.21E-08
URI (Δ CDF)	-1.28E-07	-1.28E-07	-3.25E-08	-3.13E-08	-3.13E-08	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.40E-08	6.30E-08	-1.40E-08	-1.20E-08	-1.80E-08	8.10E-09	4.00E-09	4.40E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with

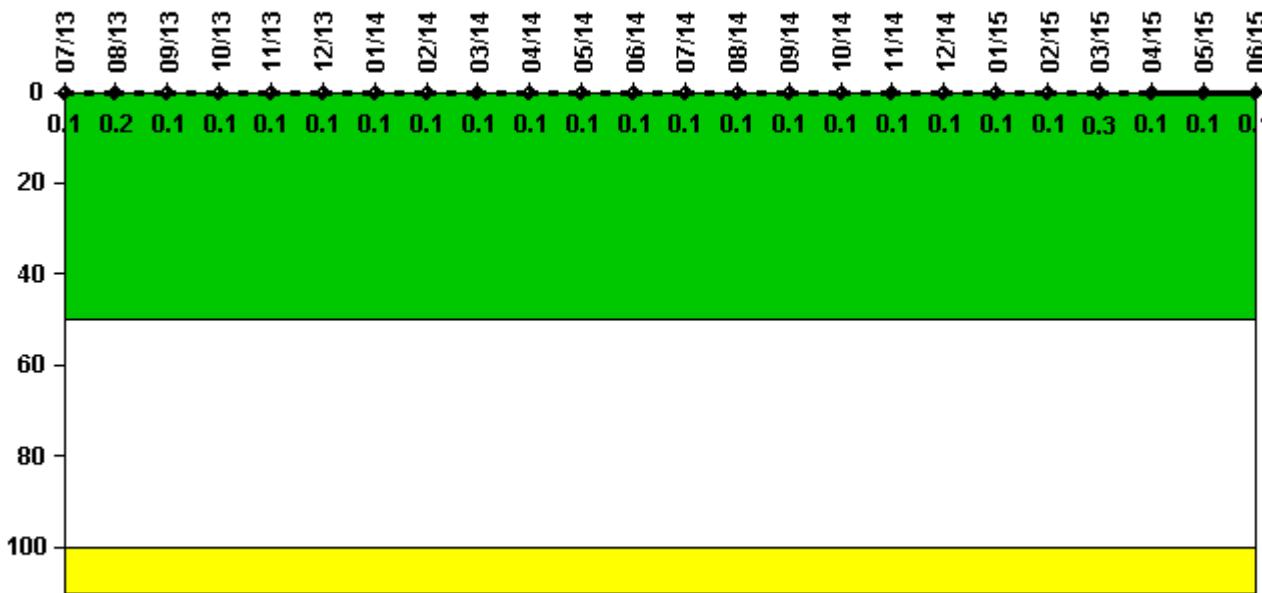
NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

3Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

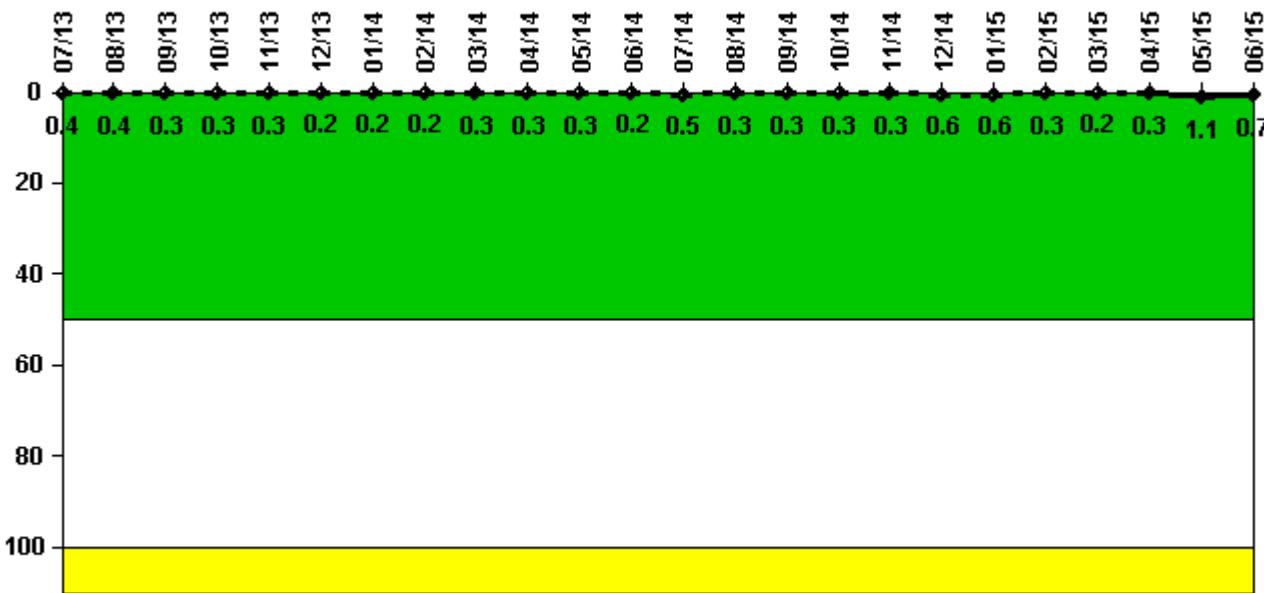
Notes

Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000510	0.000566	0.000504	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator												

value	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15		
Maximum activity	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193		
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1		

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

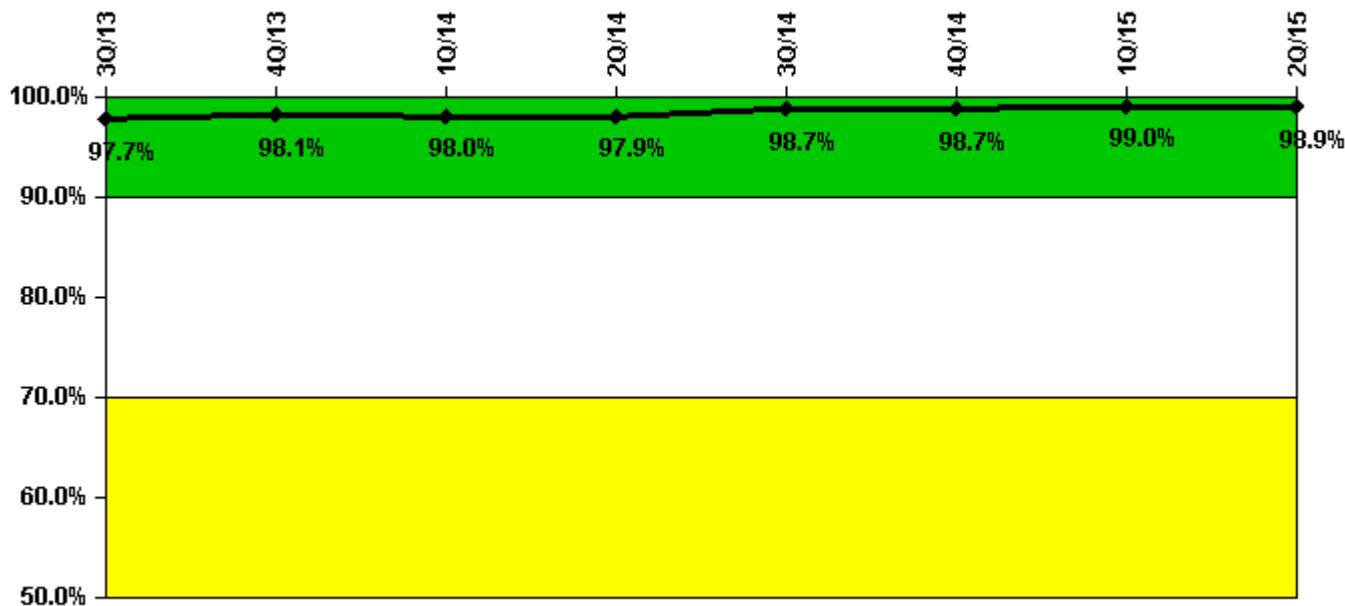
Notes

Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.040	0.040	0.030	0.030	0.030	0.020	0.020	0.020	0.030	0.030	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.050	0.030	0.030	0.030	0.030	0.060	0.060	0.030	0.020	0.030	0.110	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	0.3	0.3	0.3	0.6	0.6	0.3	0.2	0.3	1.1	0.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

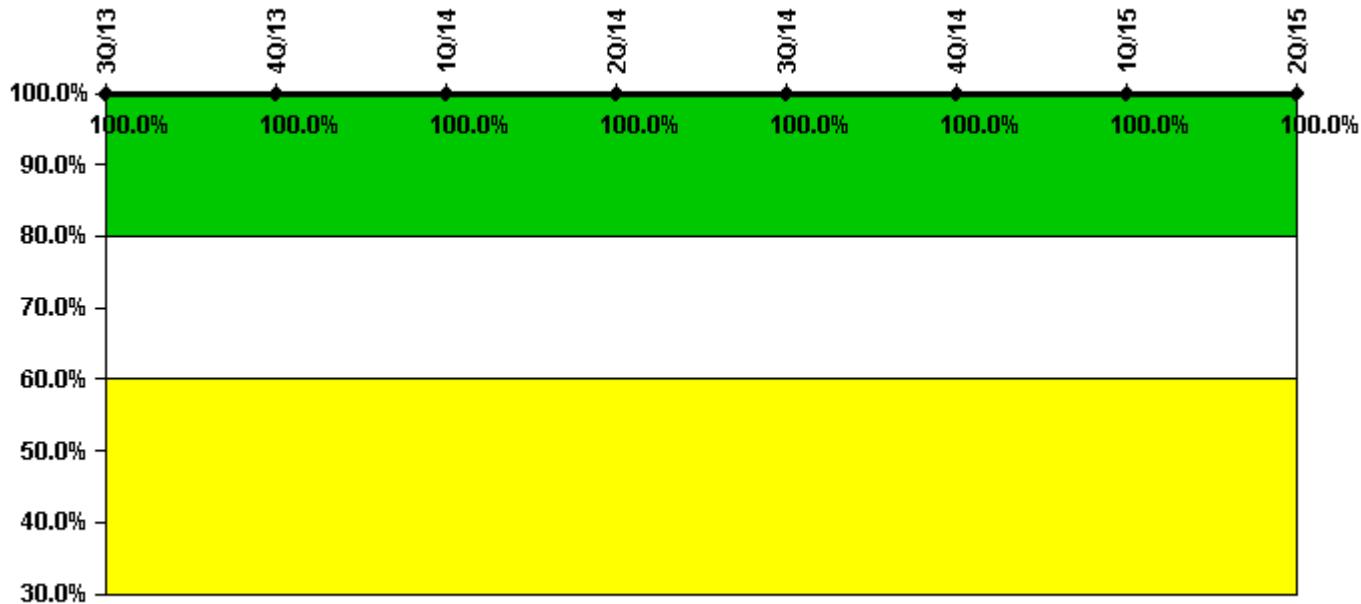
Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	84.0	0	41.0	18.0	52.0	85.0	58.0	10.0
Total opportunities	86.0	0	42.0	18.0	52.0	86.0	58.0	10.0
Indicator value	97.7%	98.1%	98.0%	97.9%	98.7%	98.7%	99.0%	98.9%

Licensee Comments:

3Q/13: During the Nov 2014 HAB inspection it was noted that the August 2013 Notifications and classifications count for the month had an error. This was found by the NRC inspector. Data has been changed to accurately reflect the appropriate count. PER 959227

ERO Drill Participation



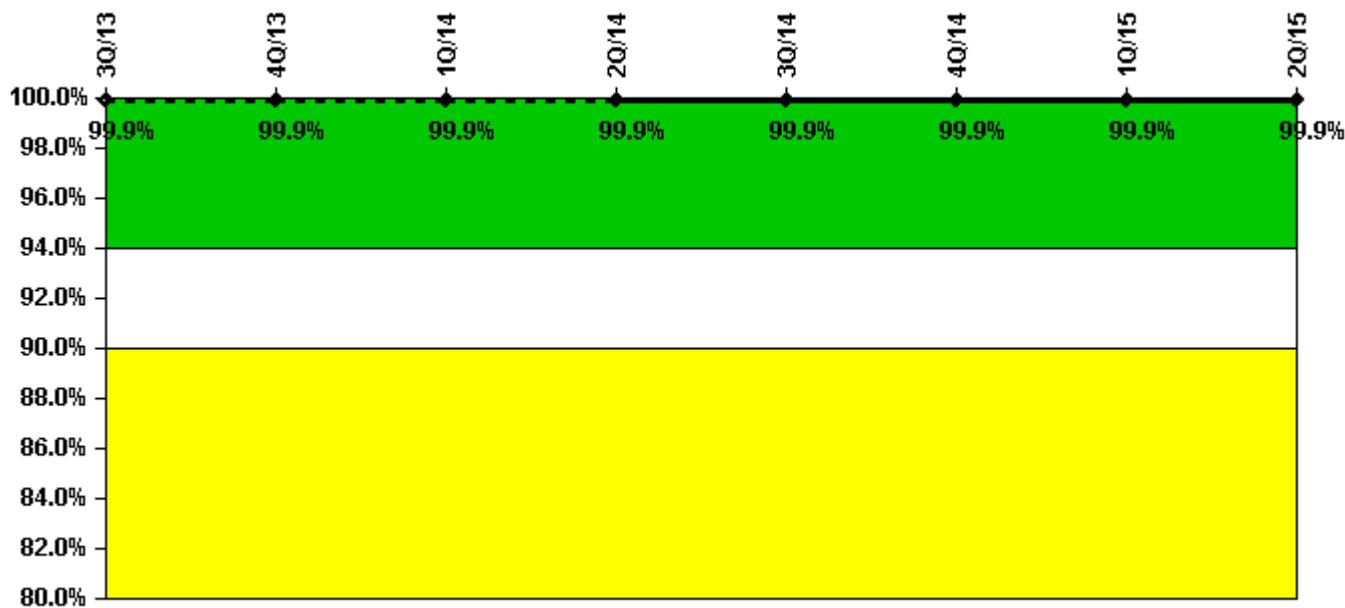
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	97.0	92.0	89.0	101.0	89.0	92.0	95.0	96.0
Total Key personnel	97.0	92.0	89.0	101.0	89.0	92.0	95.0	96.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



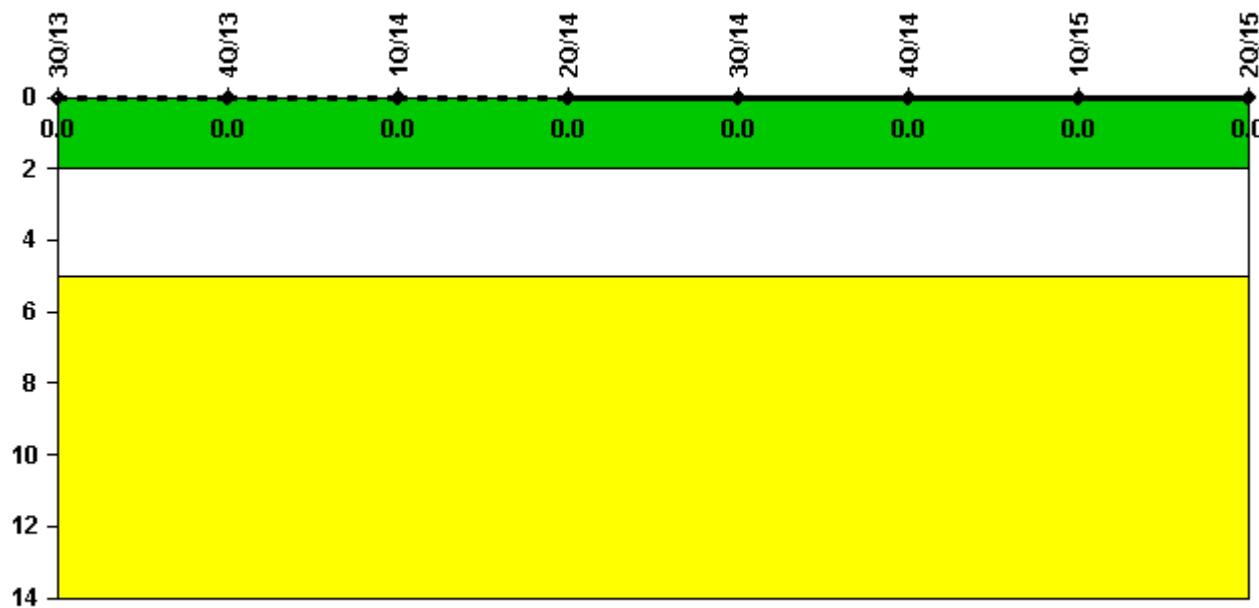
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	1014	790	1017	791	1016	903	1017	791
Total sirens-tests	1016	791	1017	791	1017	904	1017	791
Indicator value	99.9%							

Licensee Comments: none

Occupational Exposure Control Effectiveness

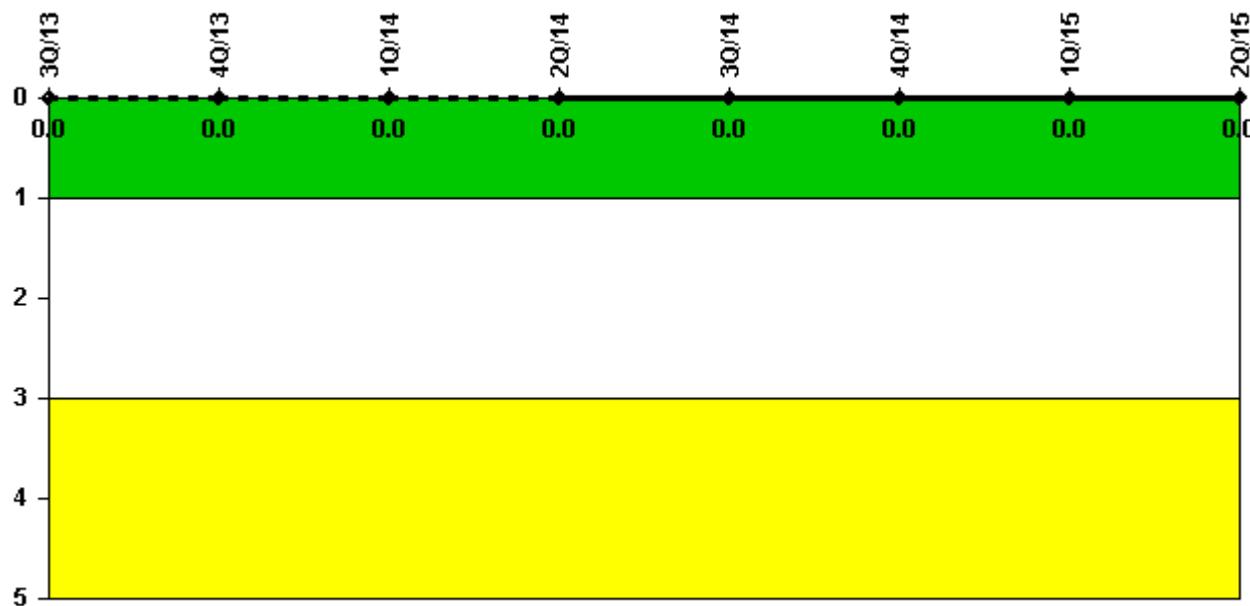


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

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

Last Modified: July 24, 2015

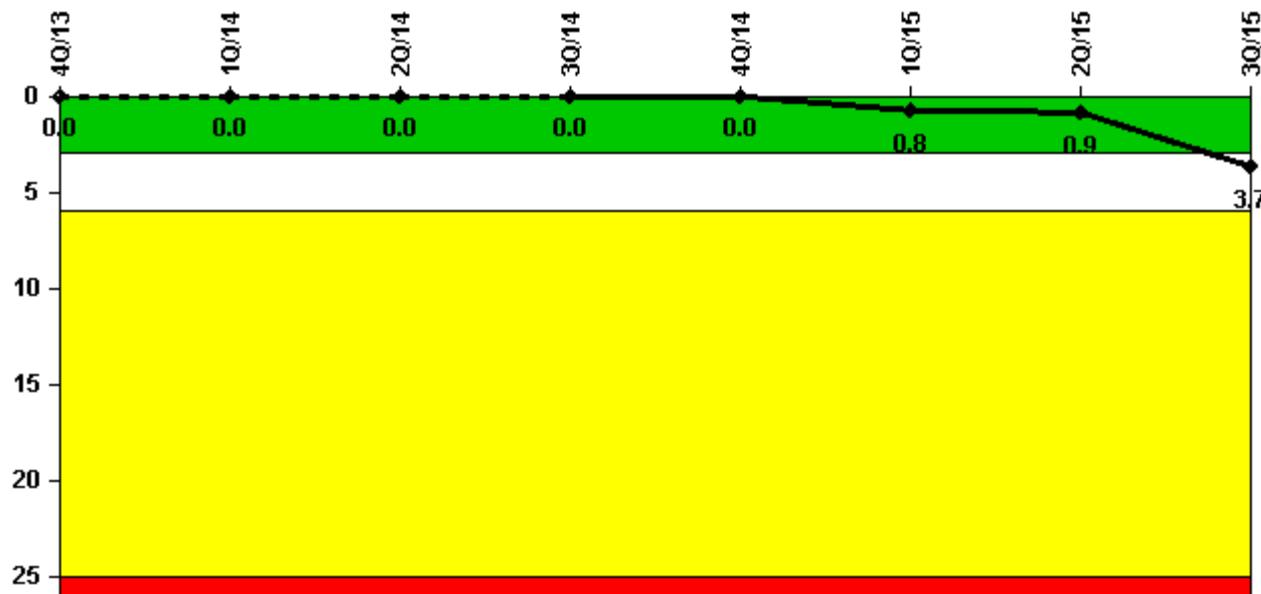
Sequoyah 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



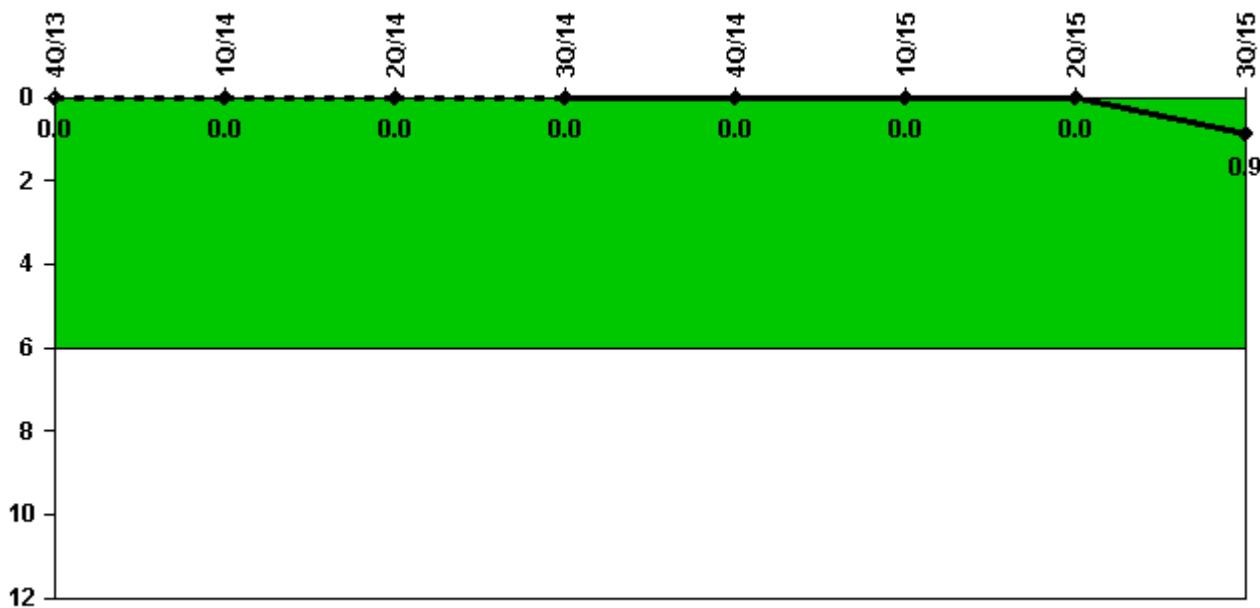
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0
Critical hours	1304.9	2159.0	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5
Indicator value	0	0	0	0	0	0.8	0.9	3.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



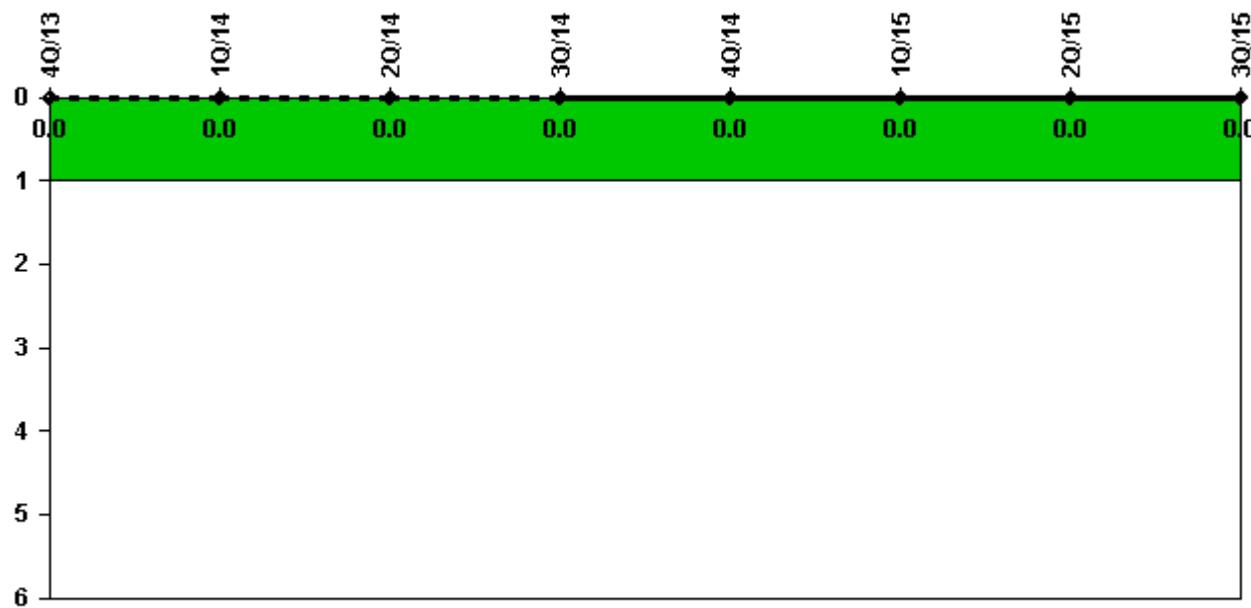
Thresholds: White > 6.0

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	1.0
Critical hours	1304.9	2159.0	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5
Indicator value	0	0.9						

Licensee Comments: none

Unplanned Scrams with Complications



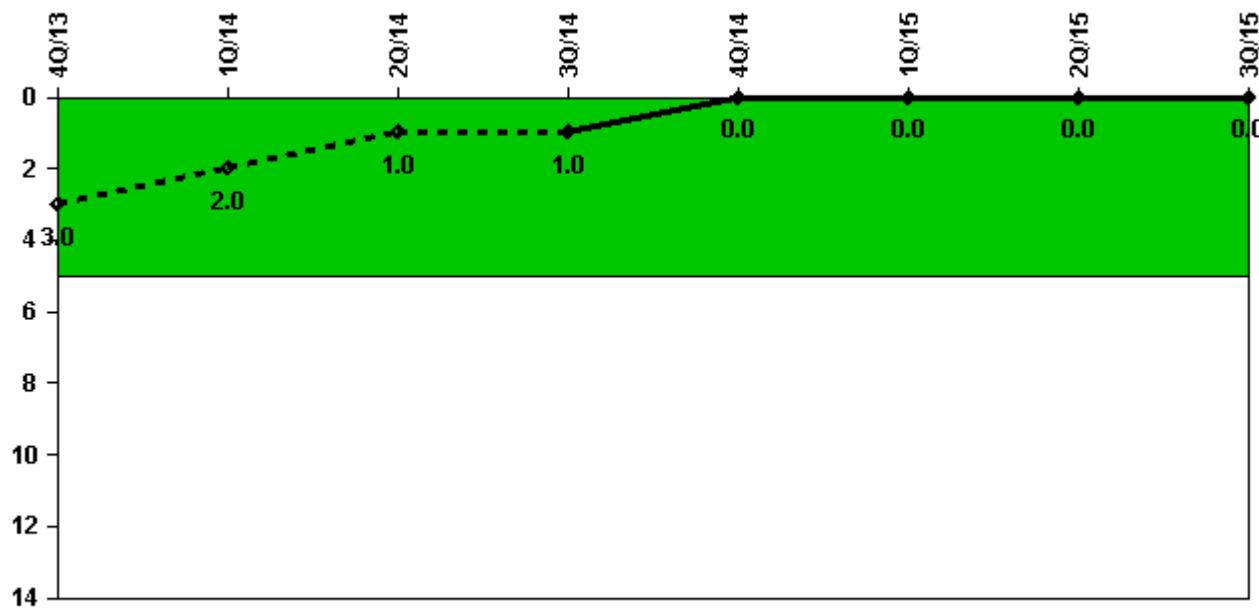
Thresholds: White > 1.0

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

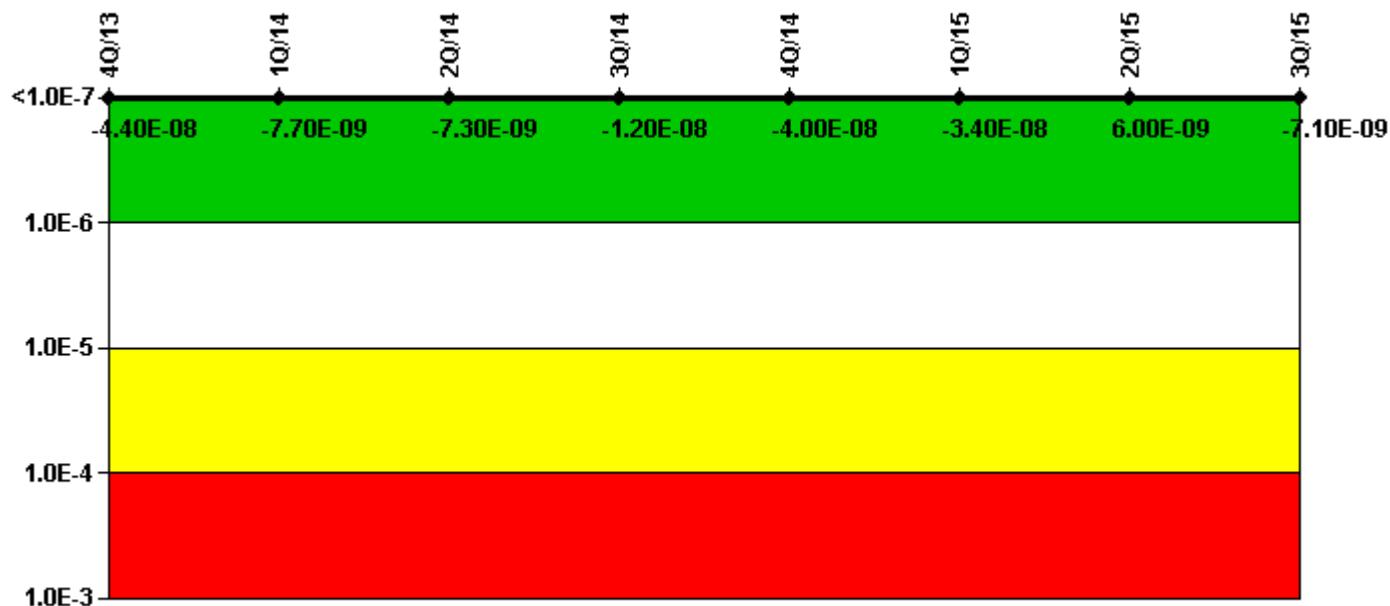
Notes

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

Licensee Comments:

4Q/13: 03/27/2014 LER 1-2013-004-01 - Revised LER indicates safety system functional failure did not occur. Affected 4th Qtr 2013 and 1st Qtr 2014. No change to indicator color.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

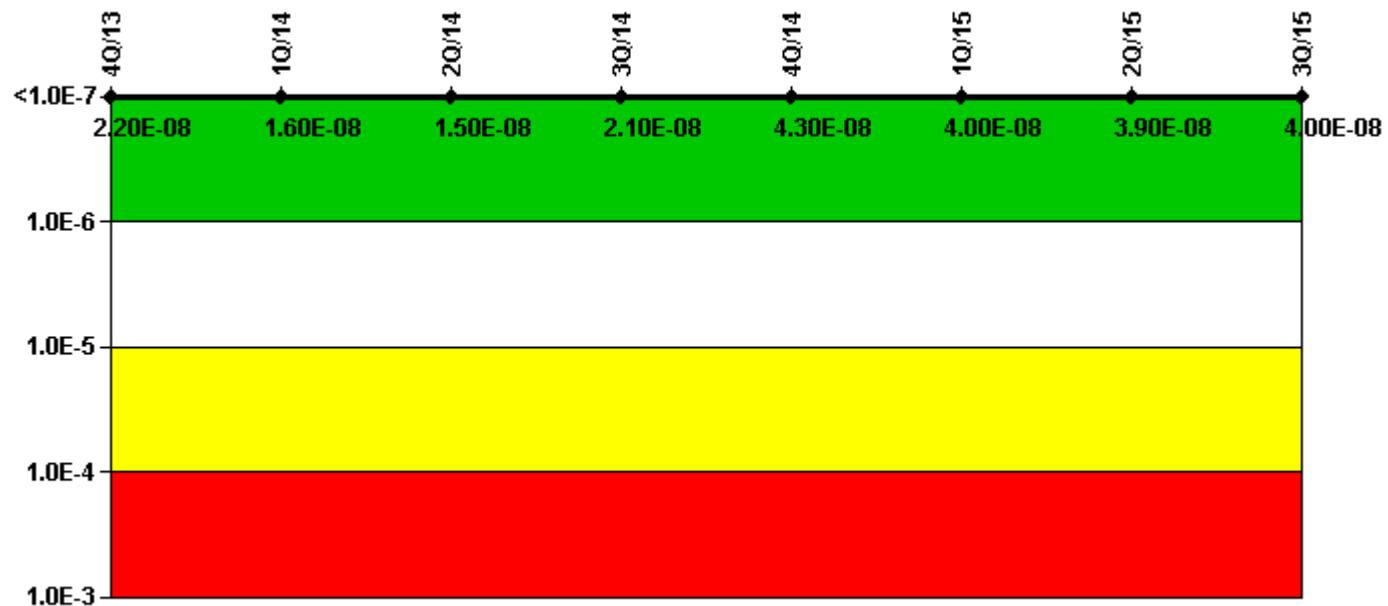
Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	9.27E-08	1.26E-08	1.16E-08	7.89E-09	3.63E-09	8.49E-09	1.86E-08	1.35E-08
URI (Δ CDF)	-1.36E-07	-2.03E-08	-1.89E-08	-1.96E-08	-4.33E-08	-4.30E-08	-1.26E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-7.70E-09	-7.30E-09	-1.20E-08	-4.00E-08	-3.40E-08	6.00E-09	-7.10E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

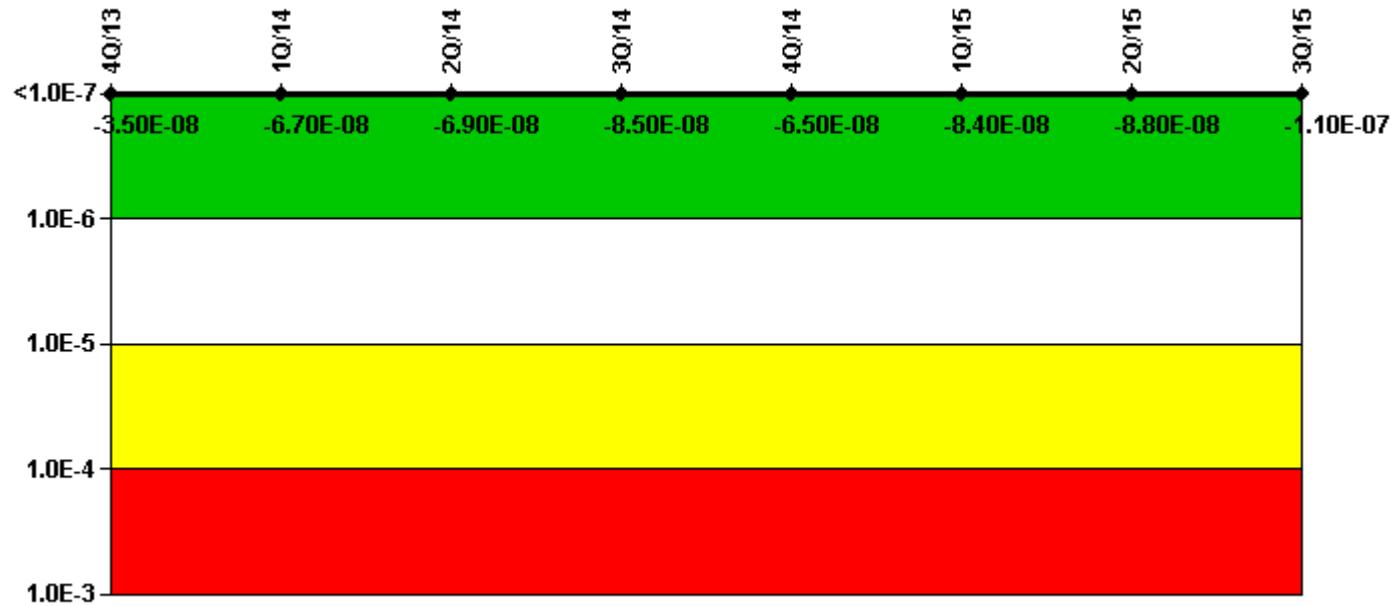
Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	2.22E-08	1.68E-08	1.51E-08	1.86E-08	3.61E-08	3.30E-08	3.21E-08	3.24E-08
URI (Δ CDF)	-6.36E-10	-4.76E-10	-4.77E-10	1.99E-09	7.22E-09	7.22E-09	7.22E-09	7.22E-09
PLE	NO							
Indicator value	2.20E-08	1.60E-08	1.50E-08	2.10E-08	4.30E-08	4.00E-08	3.90E-08	4.00E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	9.26E-08	8.77E-08	8.39E-08	6.29E-08	2.37E-08	6.79E-09	4.45E-09	-1.07E-08
URI (Δ CDF)	-1.27E-07	-1.55E-07	-1.53E-07	-1.48E-07	-8.91E-08	-9.08E-08	-9.20E-08	-9.95E-08
PLE	NO							
Indicator value	-3.50E-08	-6.70E-08	-6.90E-08	-8.50E-08	-6.50E-08	-8.40E-08	-8.80E-08	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

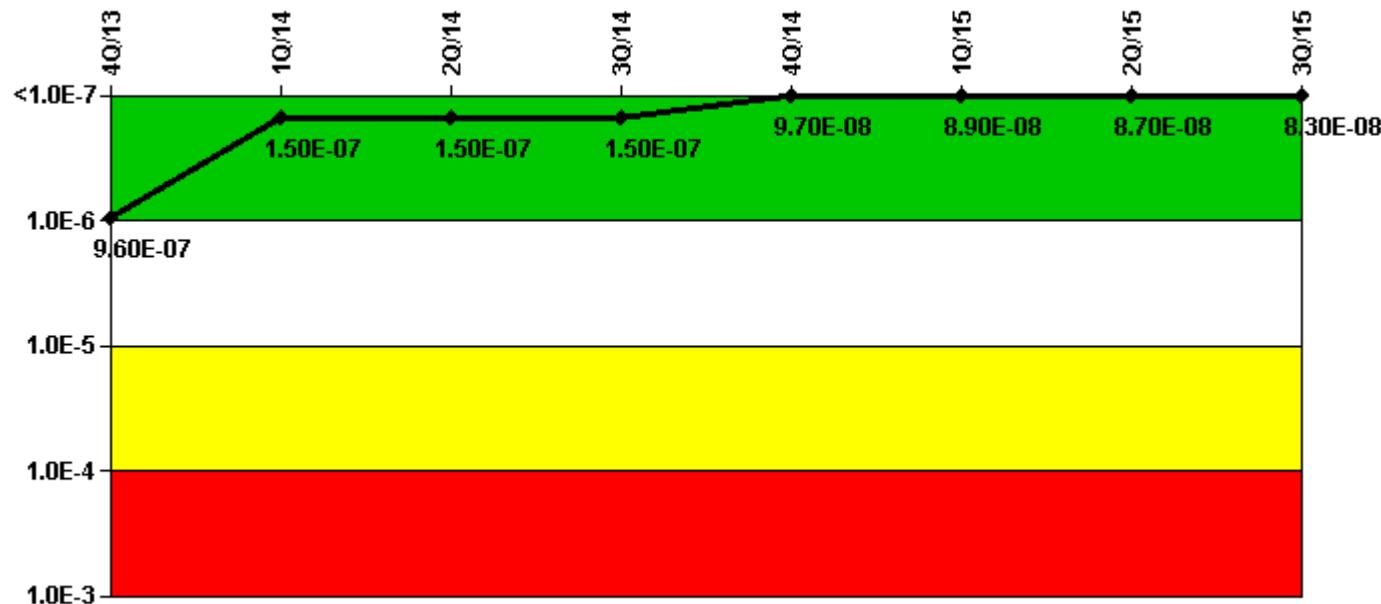
2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours.

Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/14: The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Note in 1A (1) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	6.81E-07	3.59E-08	3.69E-08	3.89E-08	2.86E-08	2.17E-08	2.12E-08	1.85E-08
URI (Δ CDF)	2.77E-07	1.14E-07	1.12E-07	1.09E-07	6.88E-08	6.74E-08	6.61E-08	6.48E-08
PLE	NO							

Indicator value	9.60E-07	1.50E-07	1.50E-07	1.50E-07	9.70E-08	8.90E-08	8.70E-08	8.30E-08
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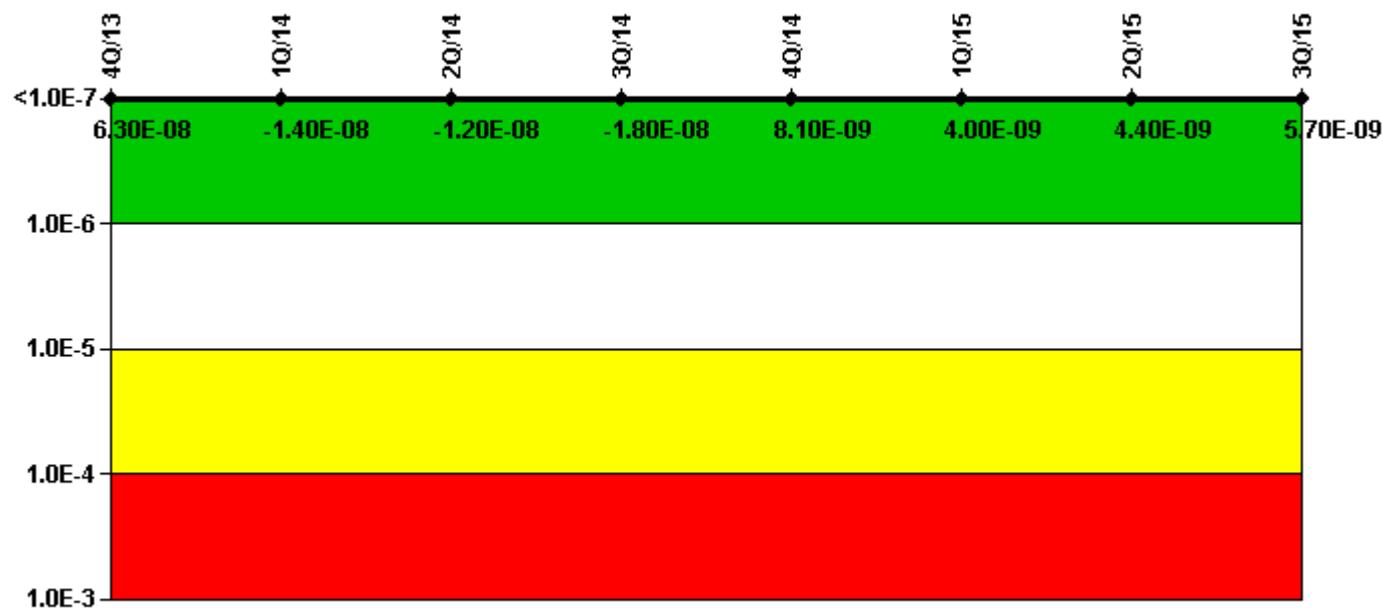
Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Risk Cap Invoked.

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
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UAI (Δ CDF)	1.91E-07	1.86E-08	1.90E-08	1.34E-08	1.58E-08	1.17E-08	1.21E-08	1.34E-08
URI (Δ CDF)	-1.28E-07	-3.25E-08	-3.13E-08	-3.13E-08	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.30E-08	-1.40E-08	-1.20E-08	-1.80E-08	8.10E-09	4.00E-09	4.40E-09	5.70E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

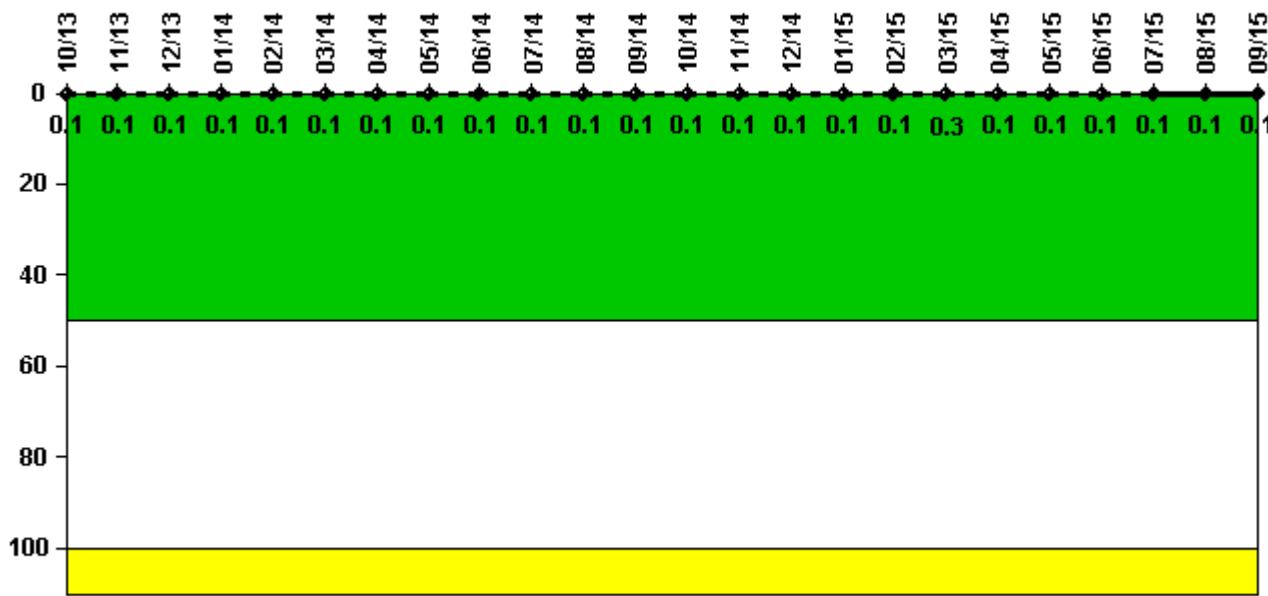
3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

4Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



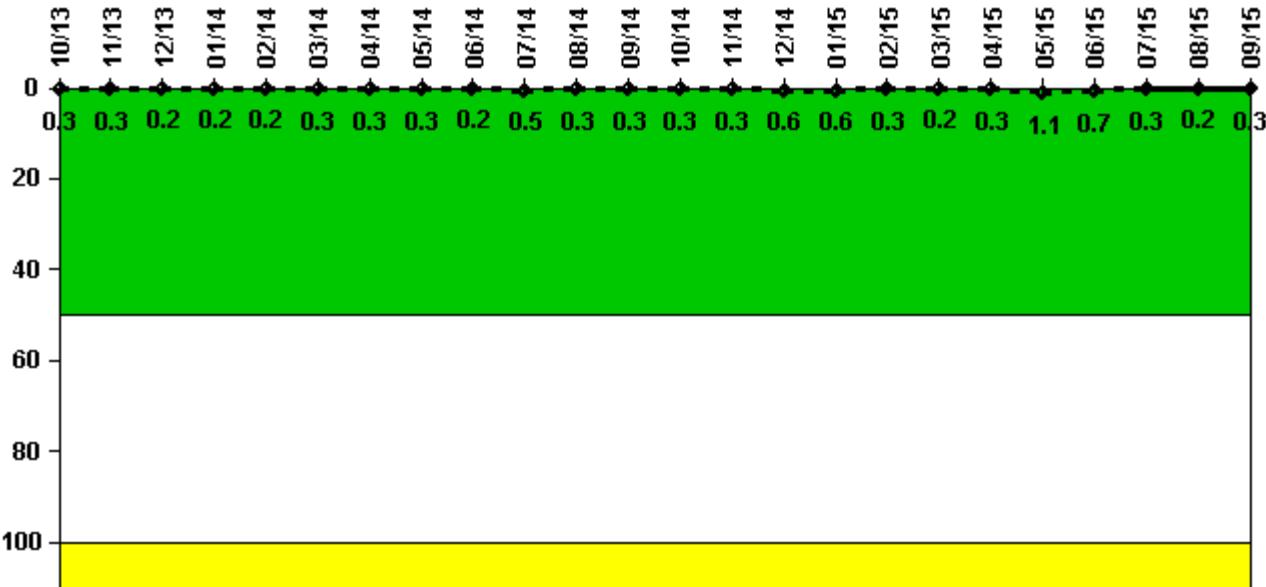
Thresholds: White > 50.0 Yellow > 100.0

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	0.000405	0.000187	0.000232	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372
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	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	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



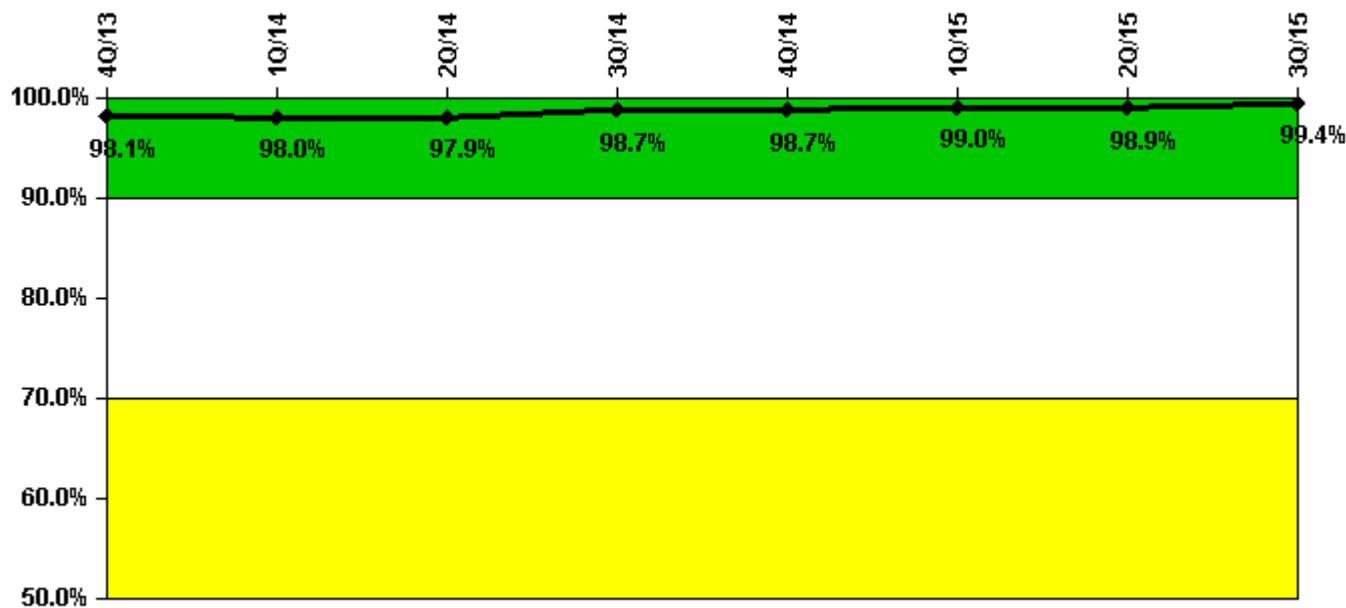
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.030	0.030	0.020	0.020	0.020	0.030	0.030	0.030	0.020	0.050	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.3	0.3
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.030	0.030	0.060	0.060	0.030	0.020	0.030	0.110	0.070	0.030	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.6	0.6	0.3	0.2	0.3	1.1	0.7	0.3	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance



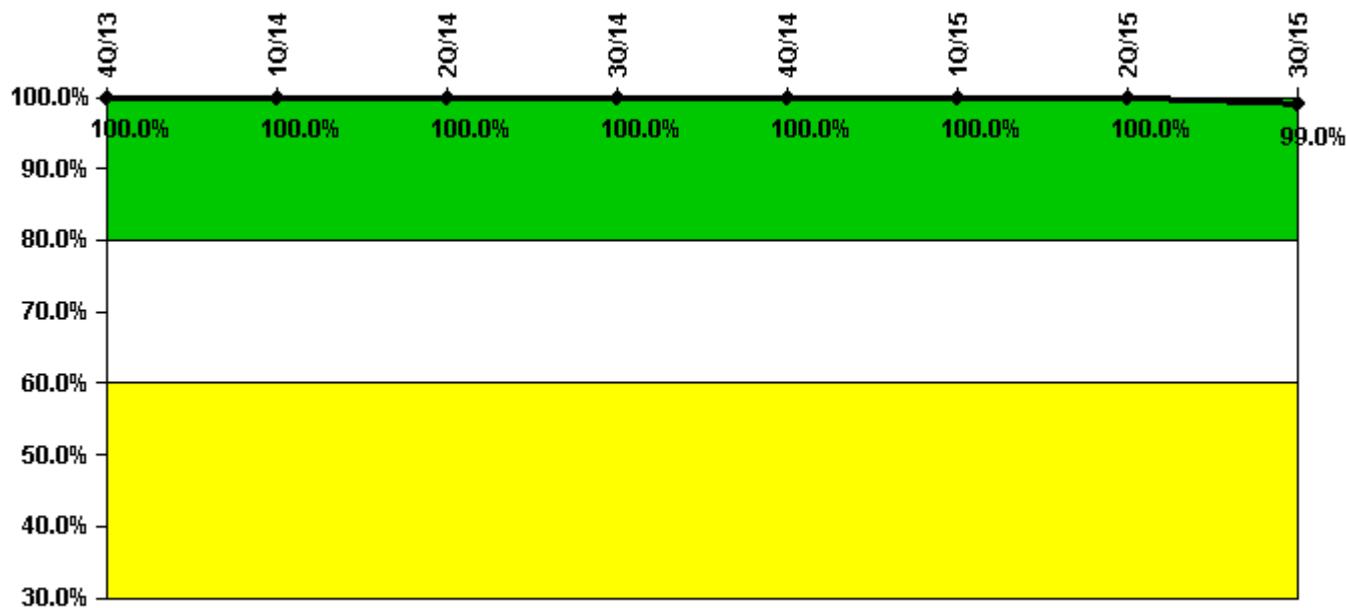
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	0	41.0	18.0	52.0	85.0	58.0	10.0	58.0
Total opportunities	0	42.0	18.0	52.0	86.0	58.0	10.0	58.0
Indicator value	98.1%	98.0%	97.9%	98.7%	98.7%	99.0%	98.9%	99.4%

Licensee Comments: none

ERO Drill Participation



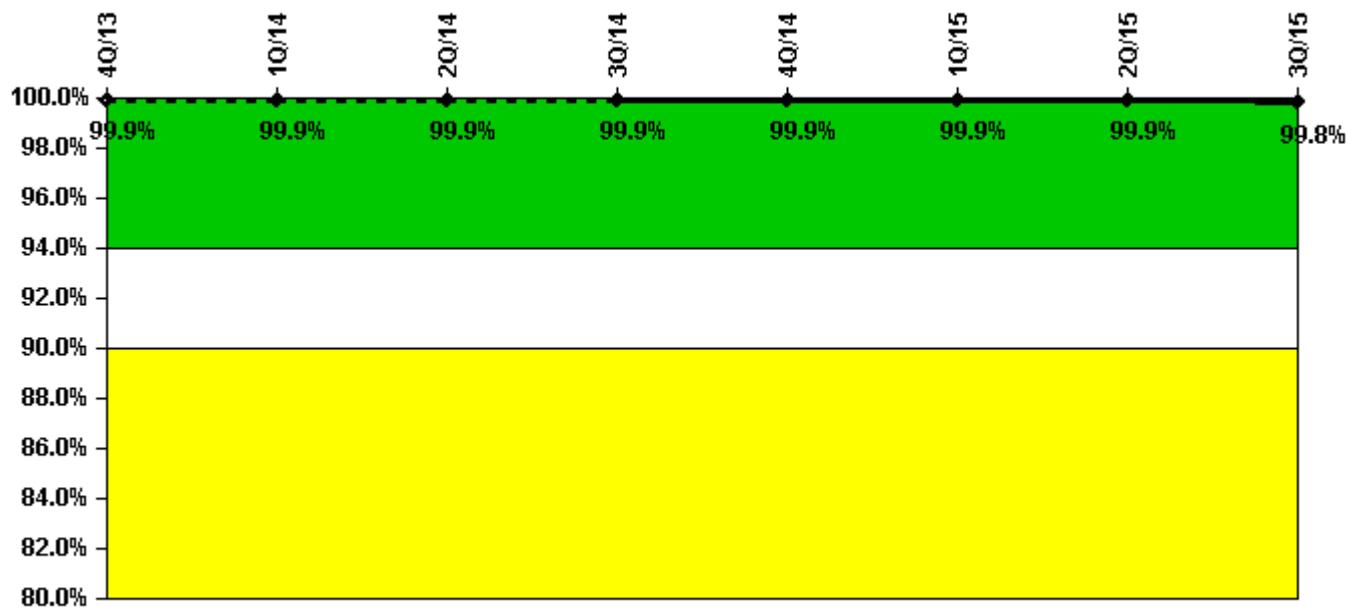
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	92.0	89.0	101.0	89.0	92.0	95.0	96.0	95.0
Total Key personnel	92.0	89.0	101.0	89.0	92.0	95.0	96.0	96.0
Indicator value	100.0%	99.0%						

Licensee Comments: none

Alert & Notification System



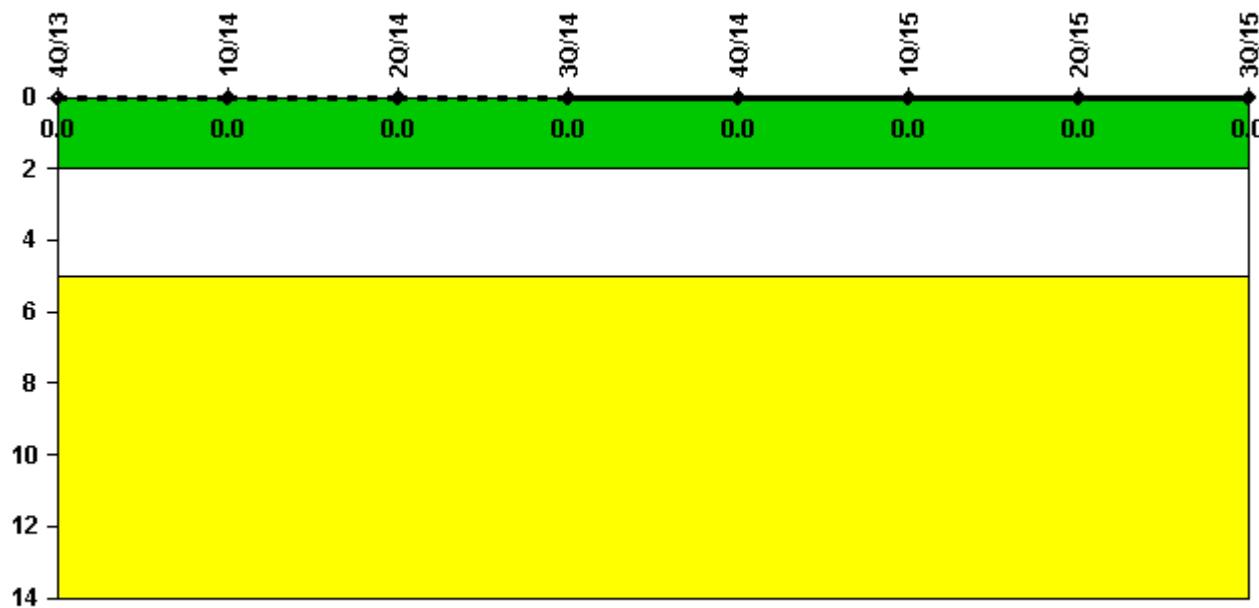
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	790	1017	791	1016	903	1017	791	1012
Total sirens-tests	791	1017	791	1017	904	1017	791	1017
Indicator value	99.9%	99.8%						

Licensee Comments: none

Occupational Exposure Control Effectiveness

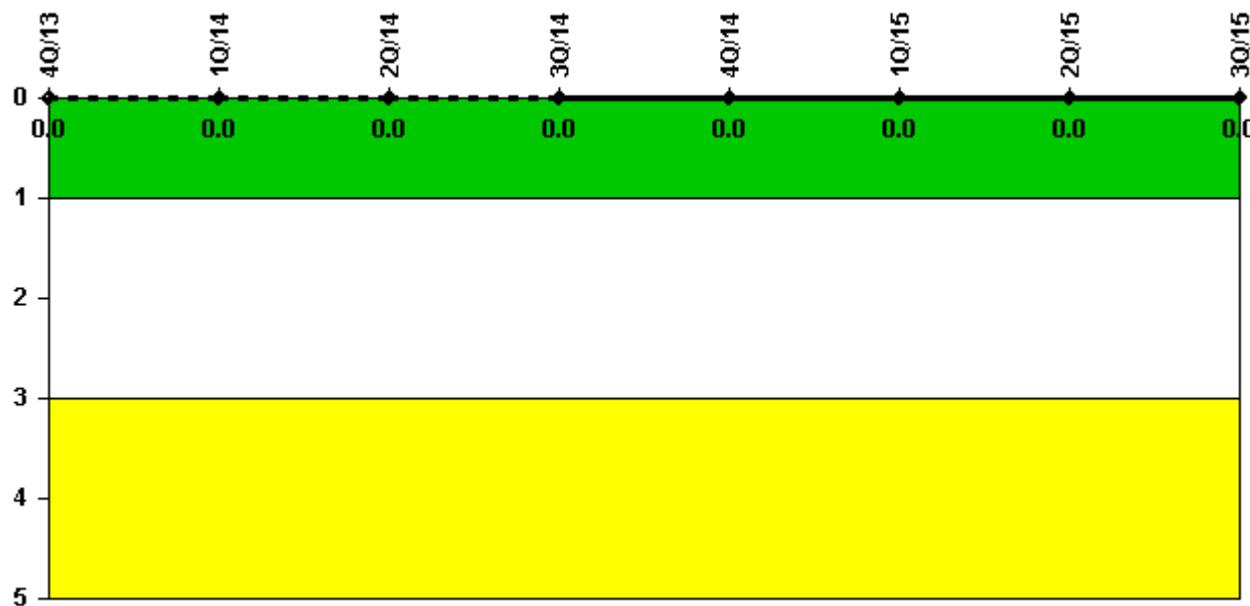


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

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

Last Modified: December 15, 2015

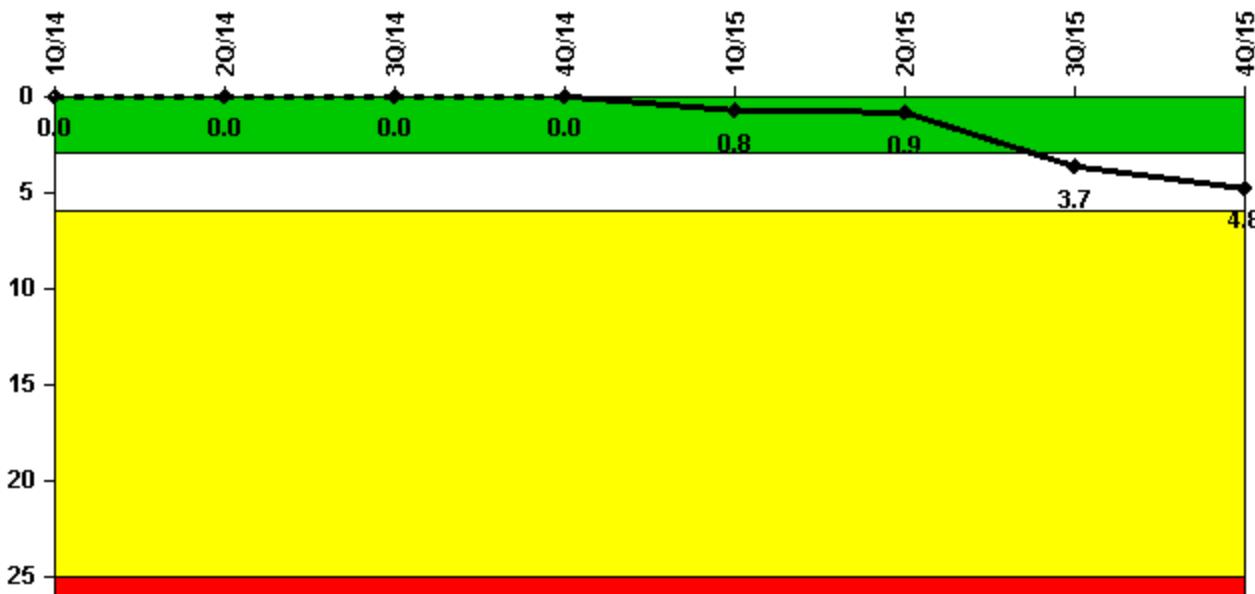
Sequoyah 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



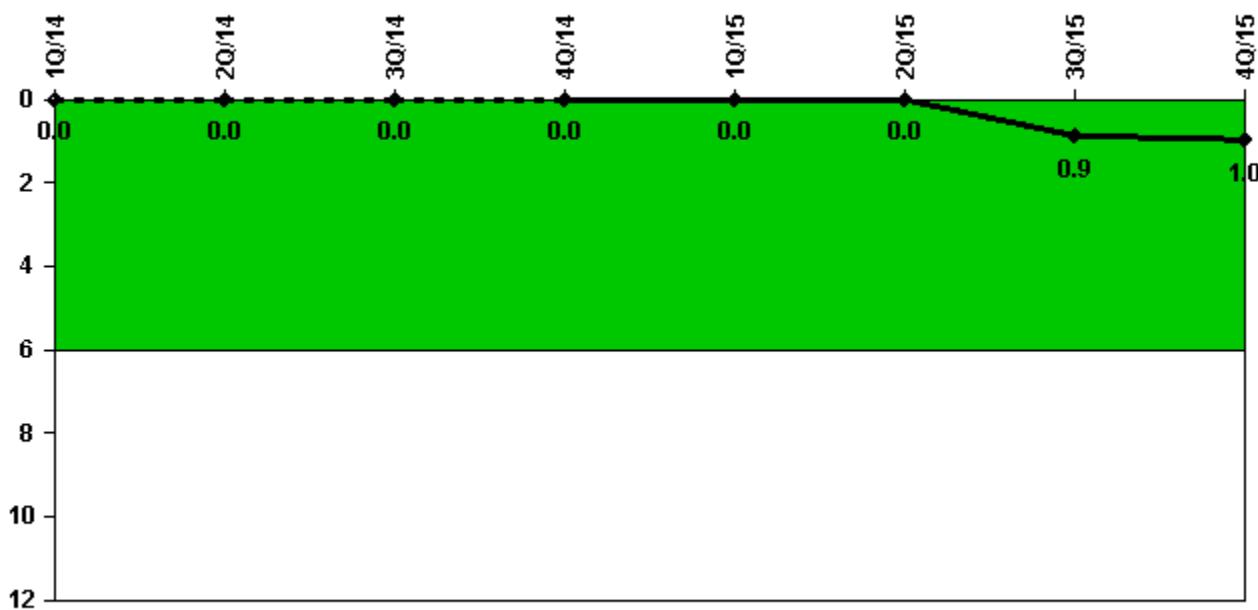
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	1.0
Critical hours	2159.0	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5
Indicator value	0	0	0	0	0.8	0.9	3.7	4.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



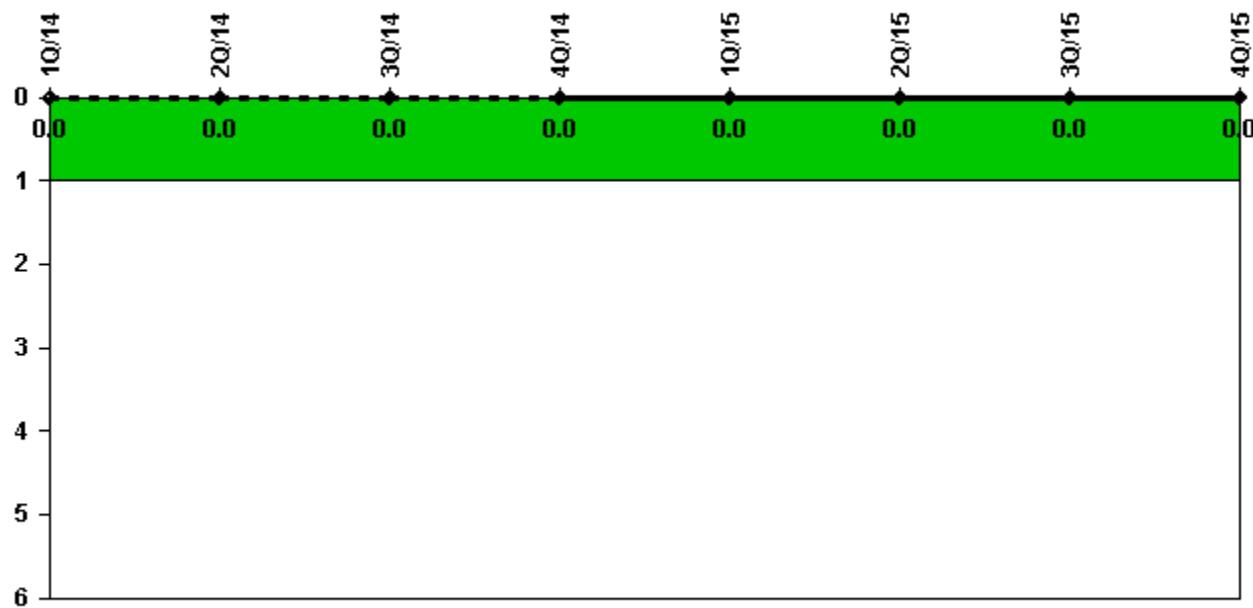
Thresholds: White > 6.0

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	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5
Indicator value	0	0	0	0	0	0	0.9	1.0

Licensee Comments: none

Unplanned Scrams with Complications



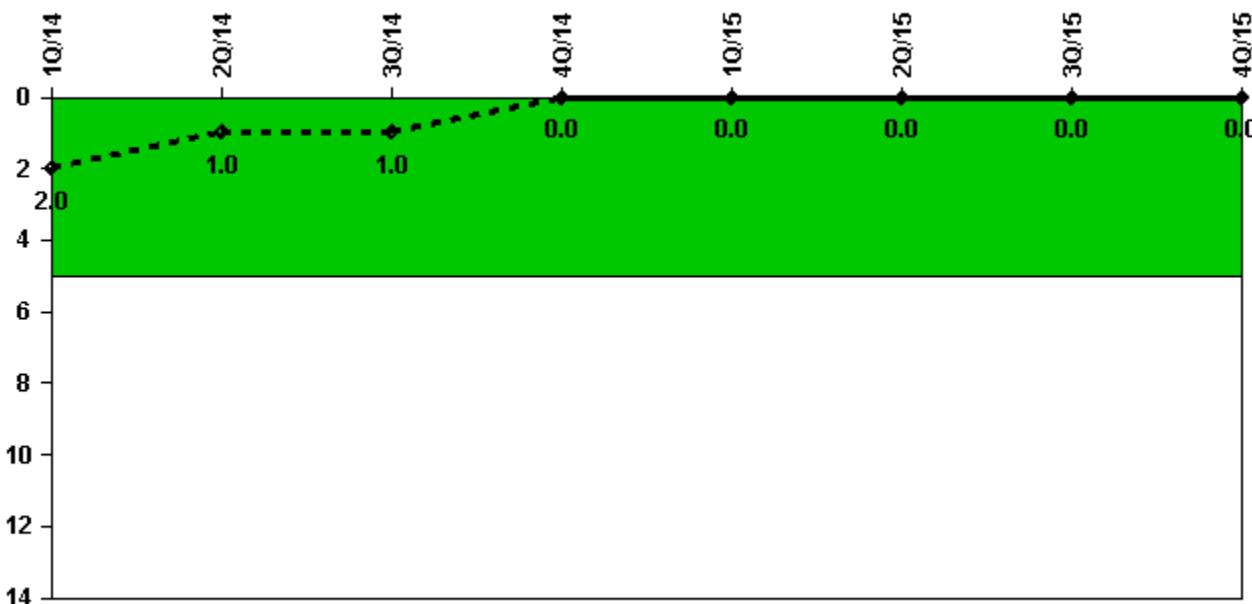
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



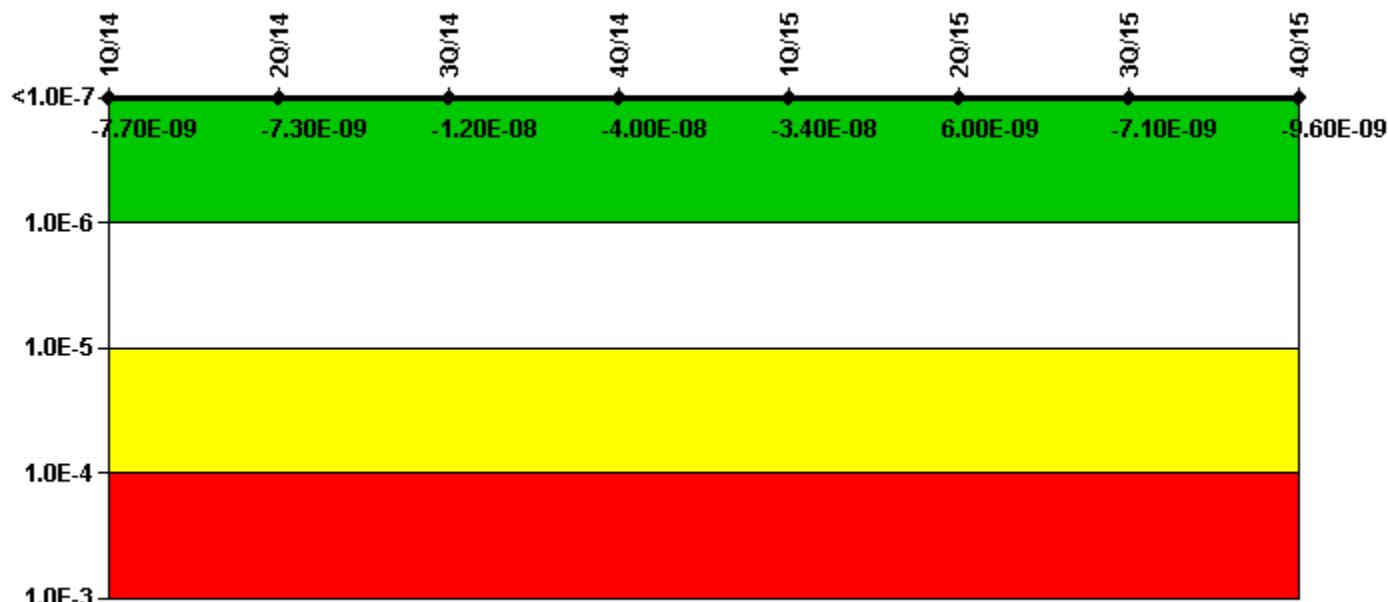
Thresholds: White > 5.0

Notes

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

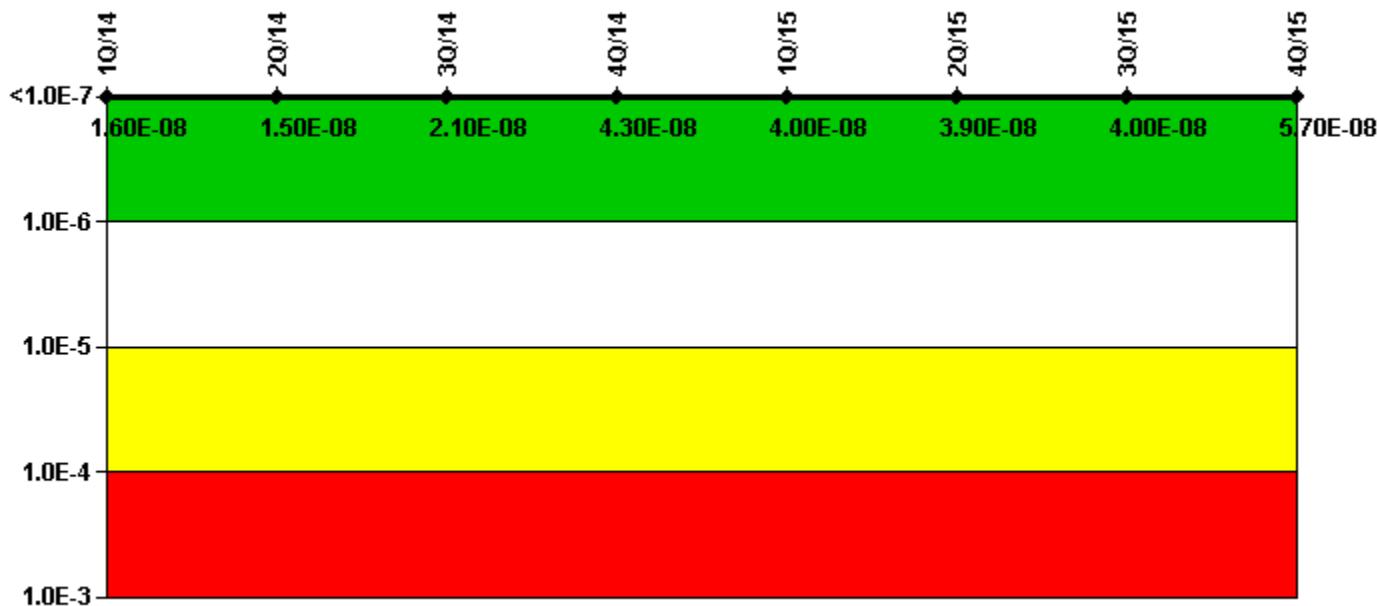
Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	1.26E-08	1.16E-08	7.89E-09	3.63E-09	8.49E-09	1.86E-08	1.35E-08	1.17E-08
URI (Δ CDF)	-2.03E-08	-1.89E-08	-1.96E-08	-4.33E-08	-4.30E-08	-1.26E-08	-2.06E-08	-2.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.70E-09	-7.30E-09	-1.20E-08	-4.00E-08	-3.40E-08	6.00E-09	-7.10E-09	-9.60E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

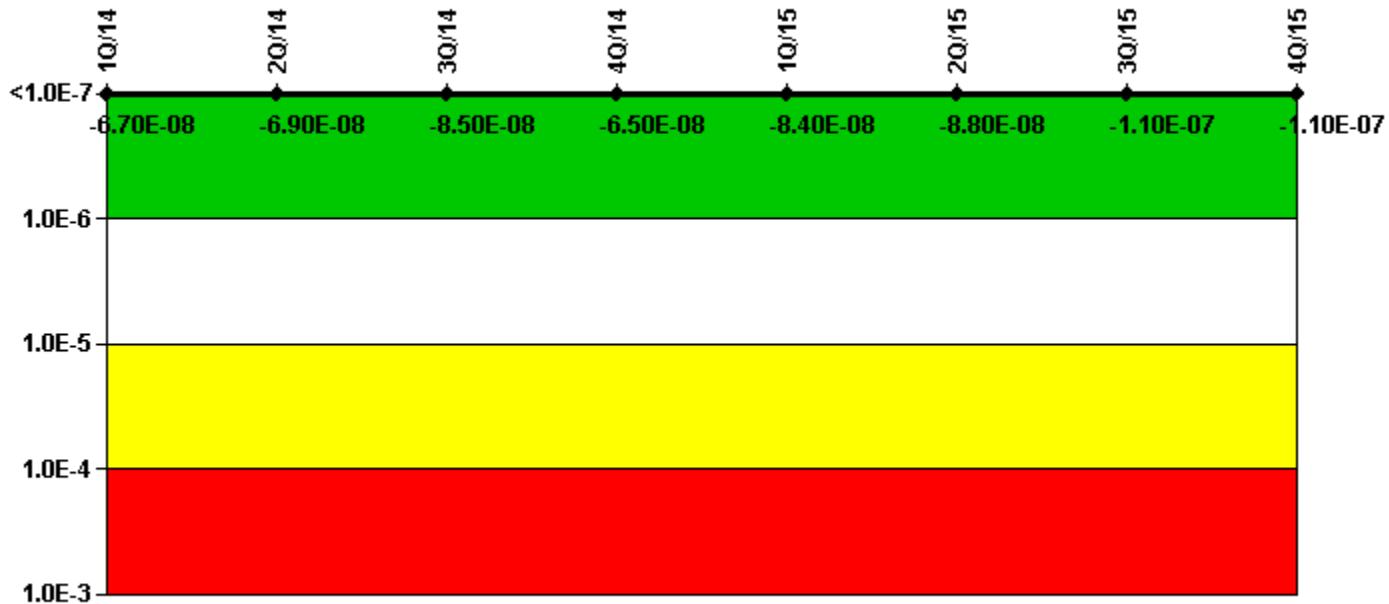
Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	1.68E-08	1.51E-08	1.86E-08	3.61E-08	3.30E-08	3.21E-08	3.24E-08	4.05E-08
URI (Δ CDF)	-4.76E-10	-4.77E-10	1.99E-09	7.22E-09	7.22E-09	7.22E-09	7.22E-09	1.67E-08
PLE	NO							
Indicator value	1.60E-08	1.50E-08	2.10E-08	4.30E-08	4.00E-08	3.90E-08	4.00E-08	5.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	8.77E-08	8.39E-08	6.29E-08	2.37E-08	6.79E-09	4.45E-09	-1.07E-08	-1.13E-08
URI (Δ CDF)	-1.55E-07	-1.53E-07	-1.48E-07	-8.91E-08	-9.08E-08	-9.20E-08	-9.95E-08	-1.01E-07
PLE	NO							
Indicator value	-6.70E-08	-6.90E-08	-8.50E-08	-6.50E-08	-8.40E-08	-8.80E-08	-1.10E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

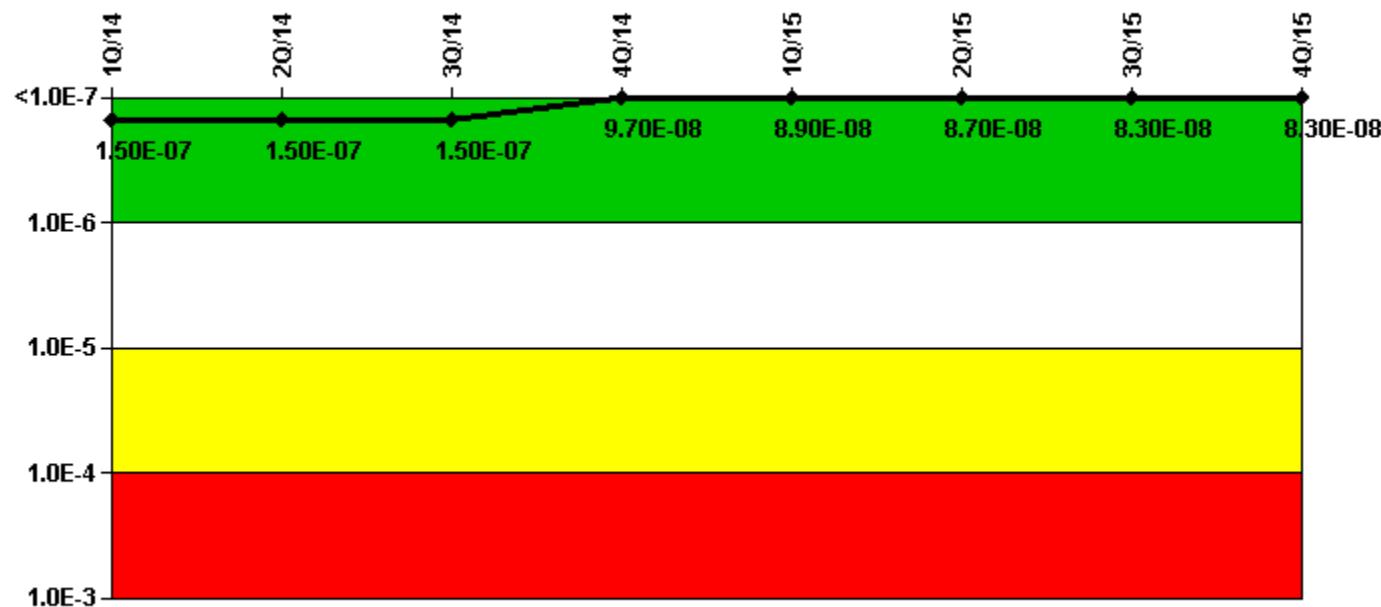
2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of

service. Reference PER 913726

1Q/14: The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Note in 1A (1) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 7:57 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

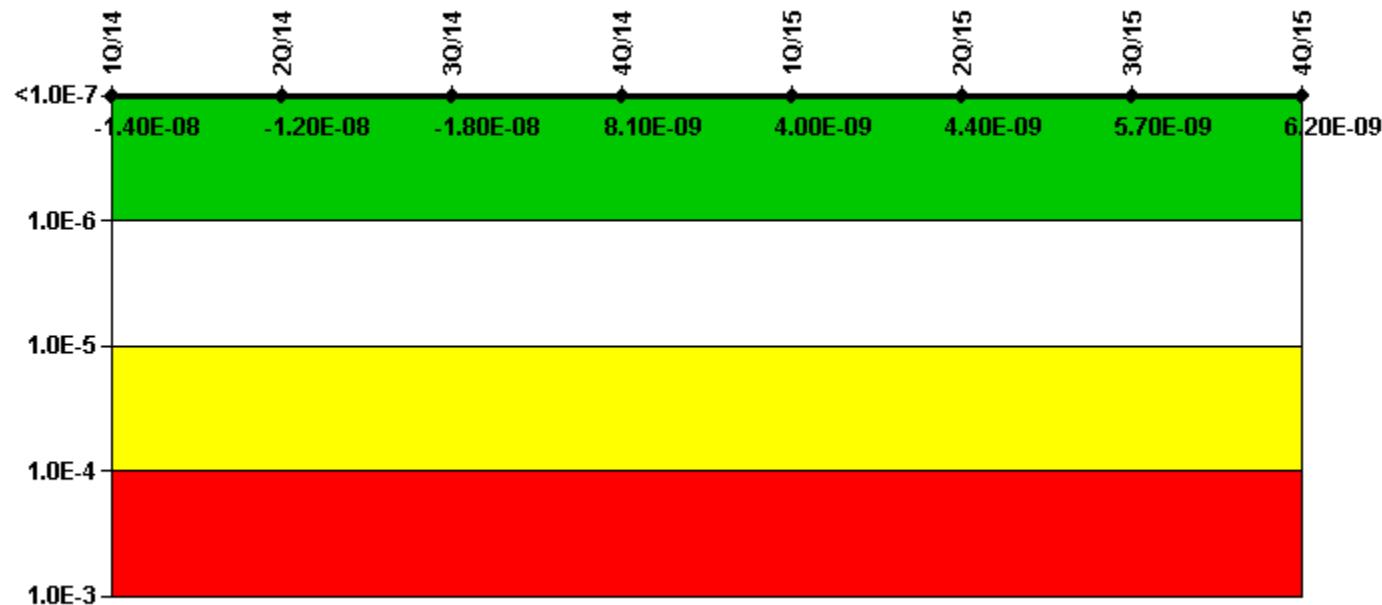
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	3.59E-08	3.69E-08	3.89E-08	2.86E-08	2.17E-08	2.12E-08	1.85E-08	1.82E-08
URI (Δ CDF)	1.14E-07	1.12E-07	1.09E-07	6.88E-08	6.74E-08	6.61E-08	6.48E-08	6.48E-08
PLE	NO							

Indicator value	1.50E-07	1.50E-07	1.50E-07	9.70E-08	8.90E-08	8.70E-08	8.30E-08	8.30E-08
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Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

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)	1.86E-08	1.90E-08	1.34E-08	1.58E-08	1.17E-08	1.21E-08	1.34E-08	1.39E-08
URI (Δ CDF)	-3.25E-08	-3.13E-08	-3.13E-08	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.20E-08	-1.80E-08	8.10E-09	4.00E-09	4.40E-09	5.70E-09	6.20E-09

Licensee Comments:

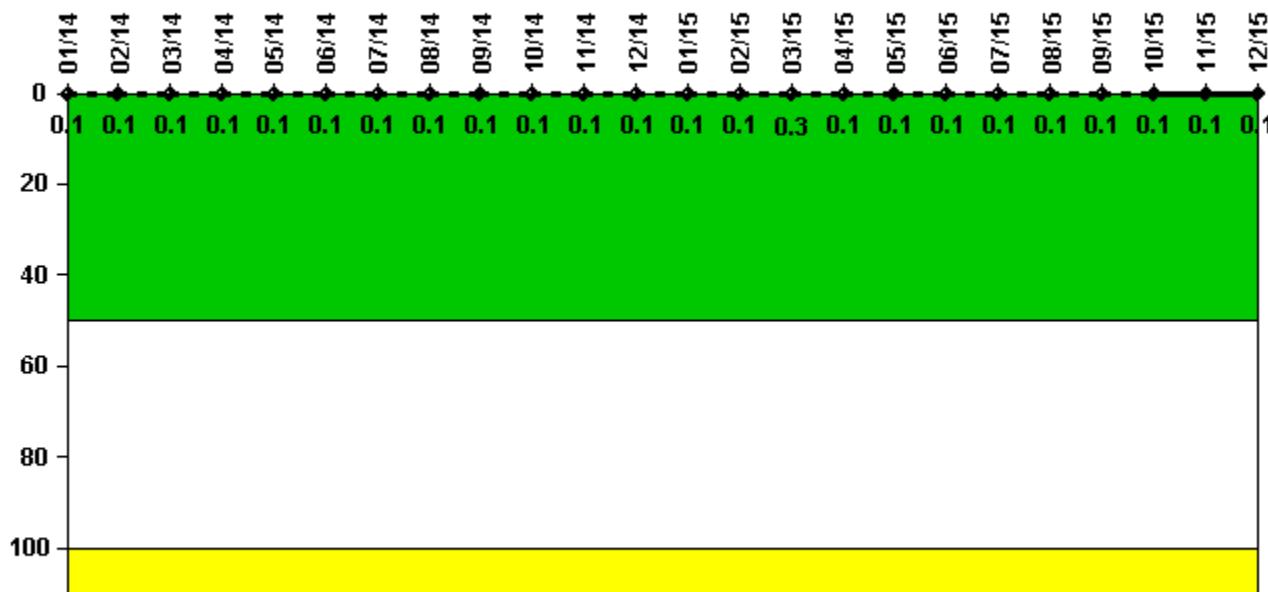
4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/14: Changed PRA Parameter(s). The PRA Model of Record was revised 12/31/13, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



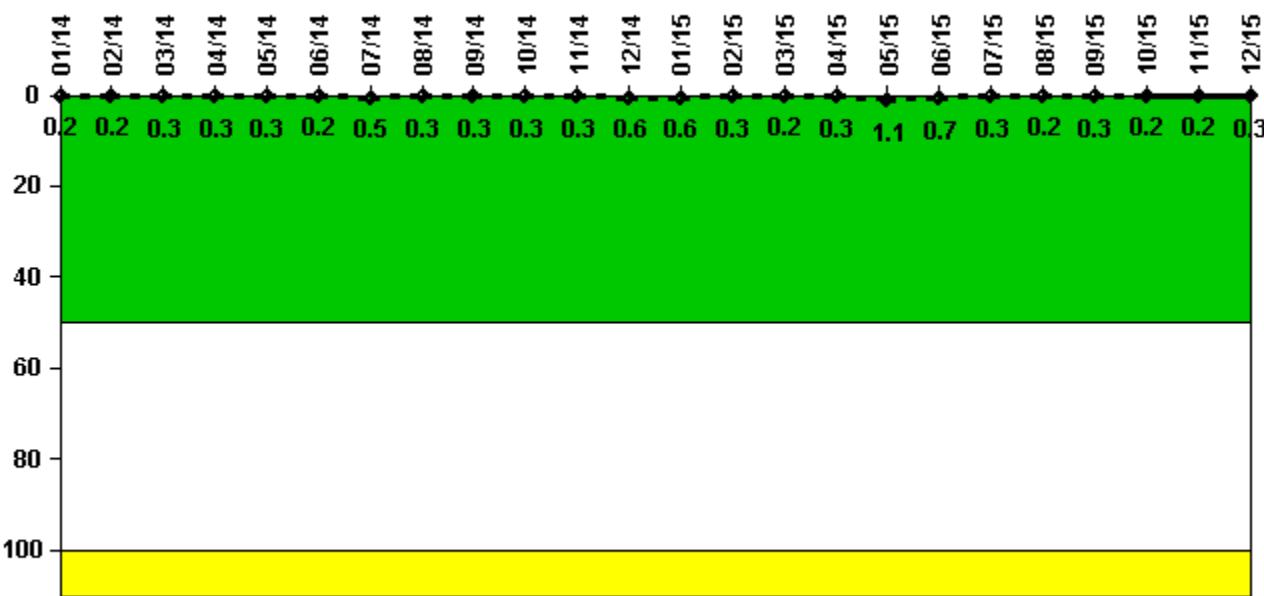
Thresholds: White > 50.0 Yellow > 100.0

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	0.000252	0.000277	0.000289	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1									
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	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.3	0.1	0.1	0.1						

Licensee Comments: none

Reactor Coolant System Leakage



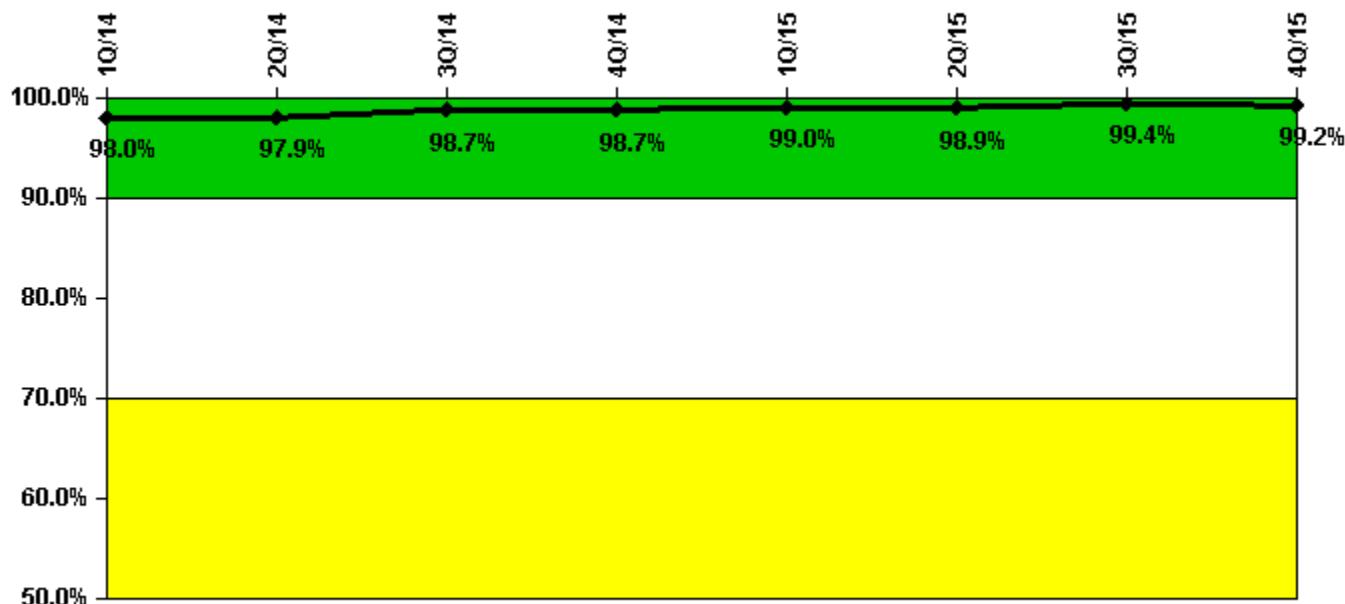
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.020	0.020	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.030	0.030	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.6
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	0.060	0.030	0.020	0.030	0.110	0.070	0.030	0.020	0.030	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.3	0.2	0.3	1.1	0.7	0.3	0.2	0.3	0.2	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance



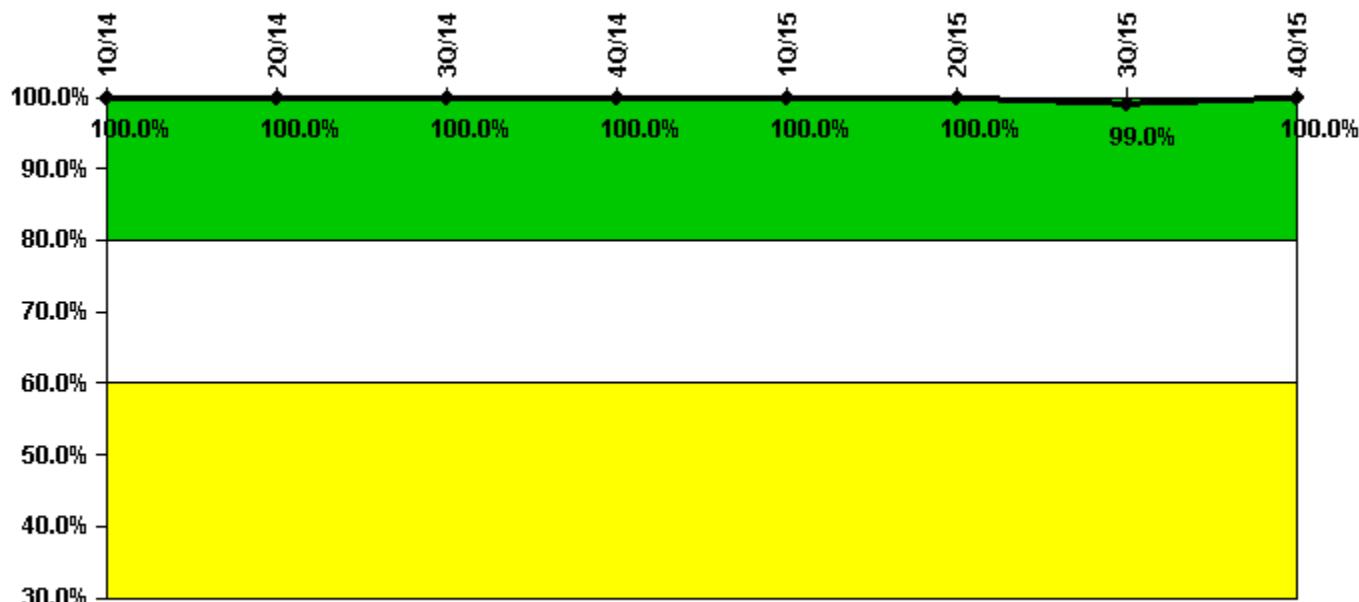
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	41.0	18.0	52.0	85.0	58.0	10.0	58.0	63.0
Total opportunities	42.0	18.0	52.0	86.0	58.0	10.0	58.0	64.0
Indicator value	98.0%	97.9%	98.7%	98.7%	99.0%	98.9%	99.4%	99.2%

Licensee Comments: none

ERO Drill Participation



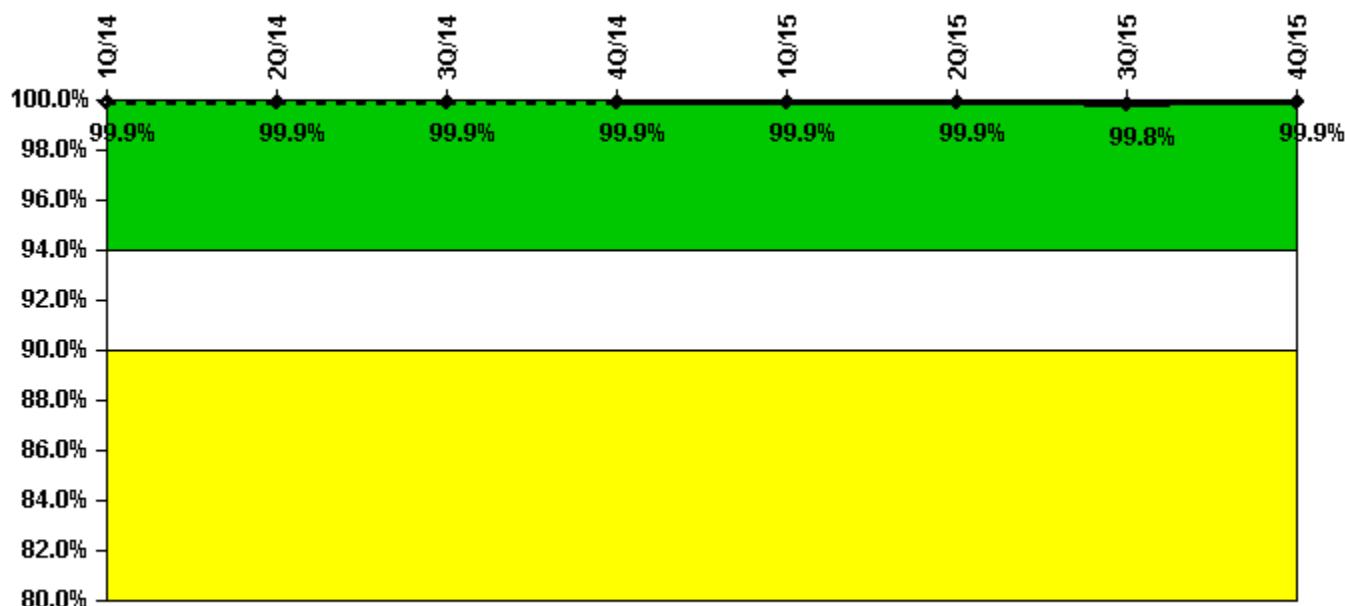
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	89.0	101.0	89.0	92.0	95.0	96.0	95.0	99.0
Total Key personnel	89.0	101.0	89.0	92.0	95.0	96.0	96.0	99.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.0%	100.0%

Licensee Comments: none

Alert & Notification System



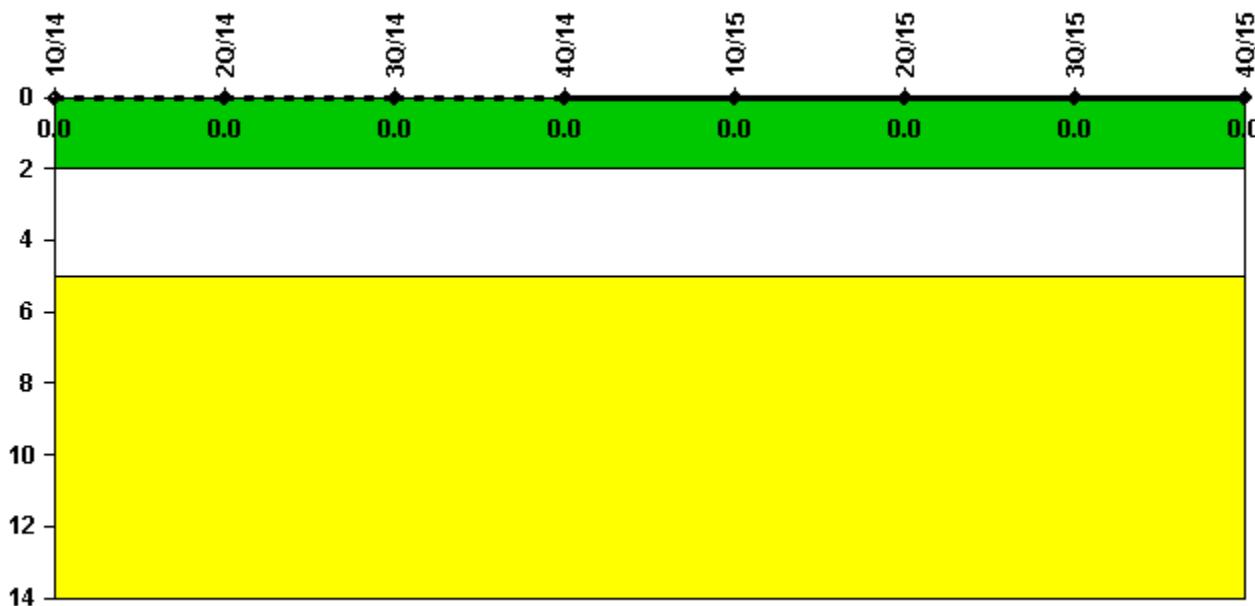
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	1017	791	1016	903	1017	791	1012	791
Total sirens-tests	1017	791	1017	904	1017	791	1017	791
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



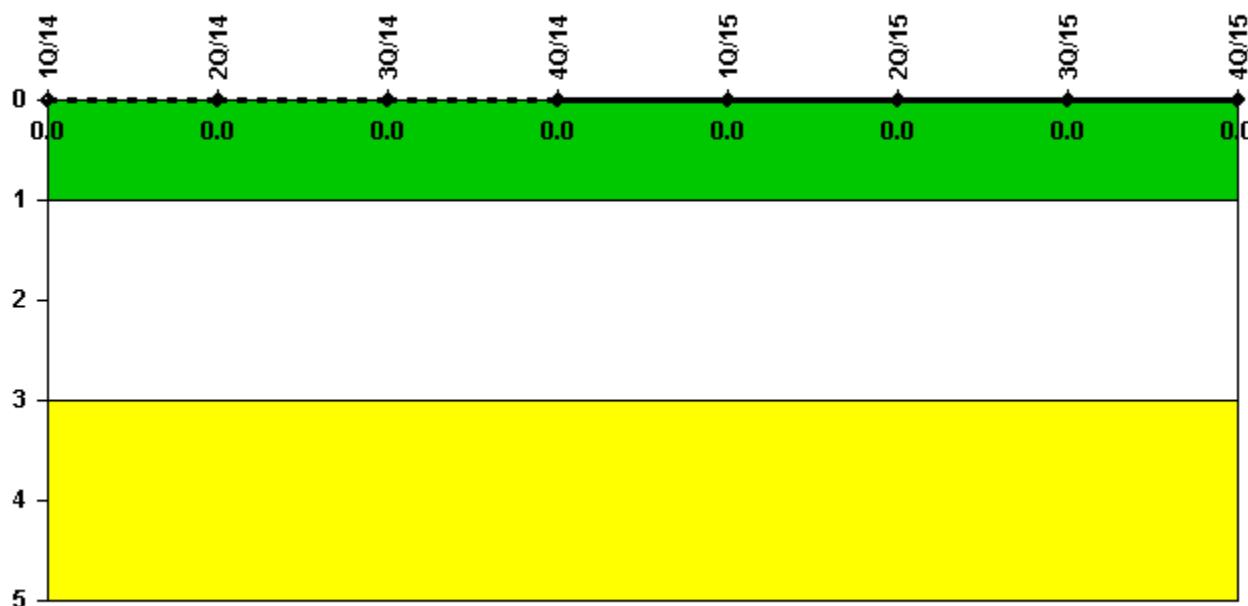
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

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

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

Last Modified: March 1, 2016

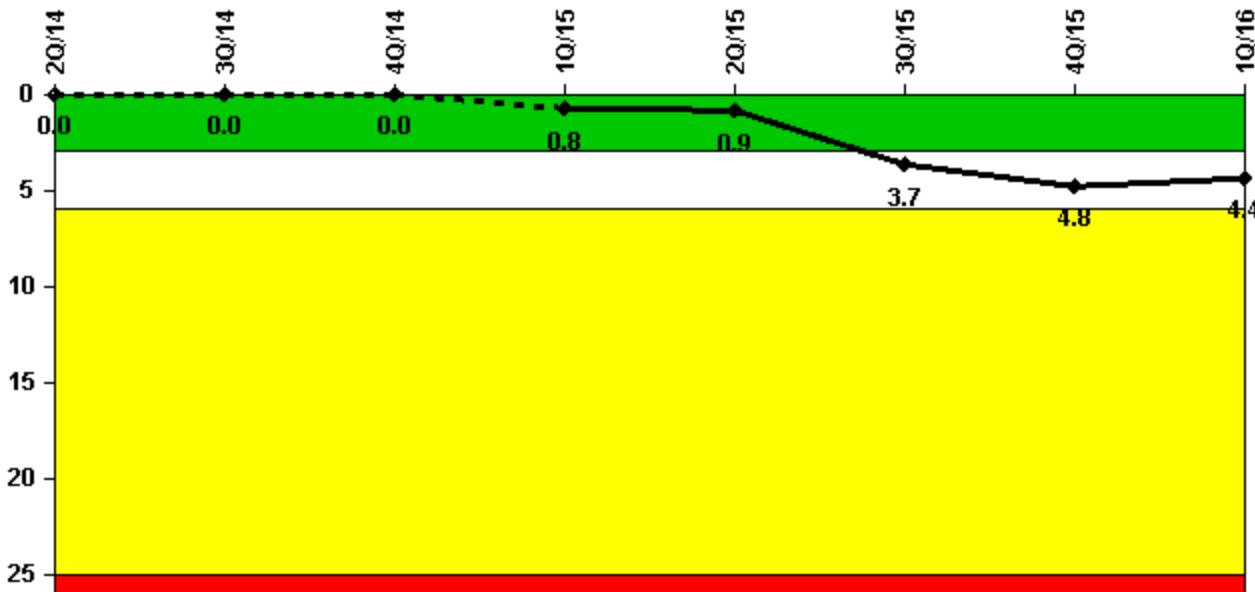
Sequoyah 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



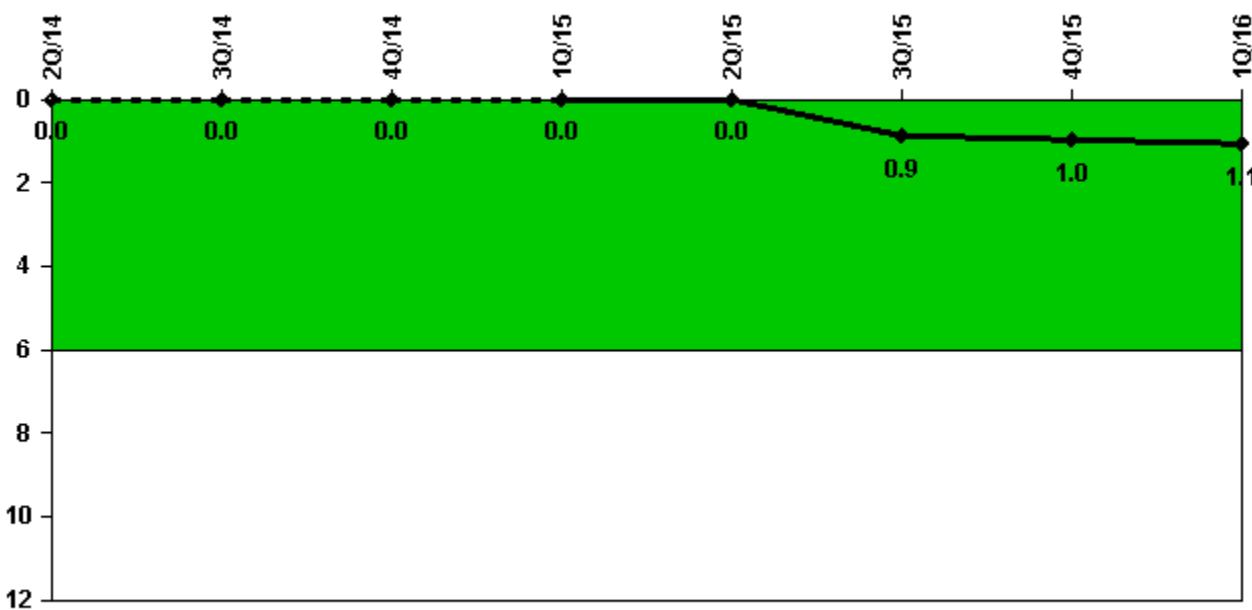
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2
Indicator value	0	0	0	0.8	0.9	3.7	4.8	4.4

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



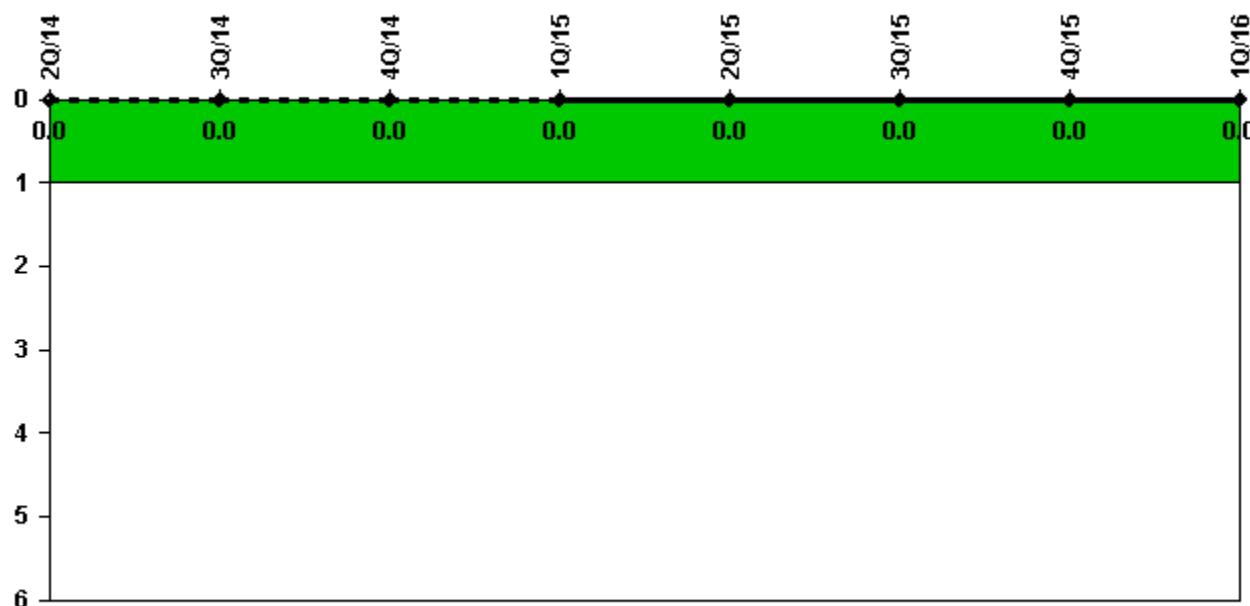
Thresholds: White > 6.0

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	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2
Indicator value	0	0	0	0	0	0.9	1.0	1.1

Licensee Comments: none

Unplanned Scrams with Complications



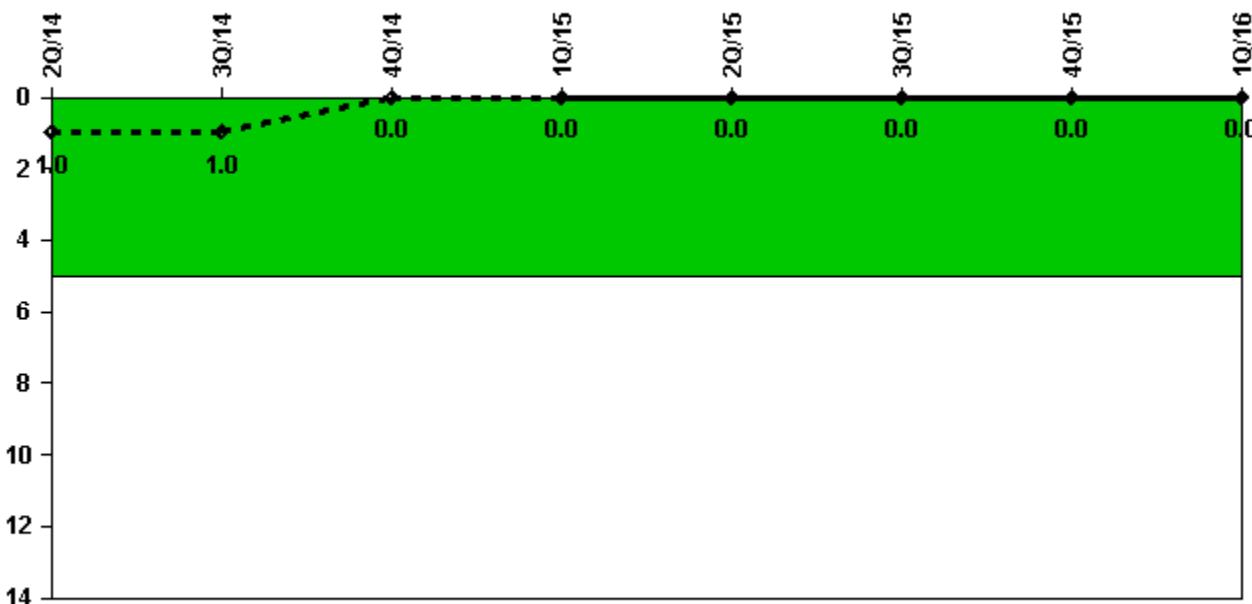
Thresholds: White > 1.0

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)



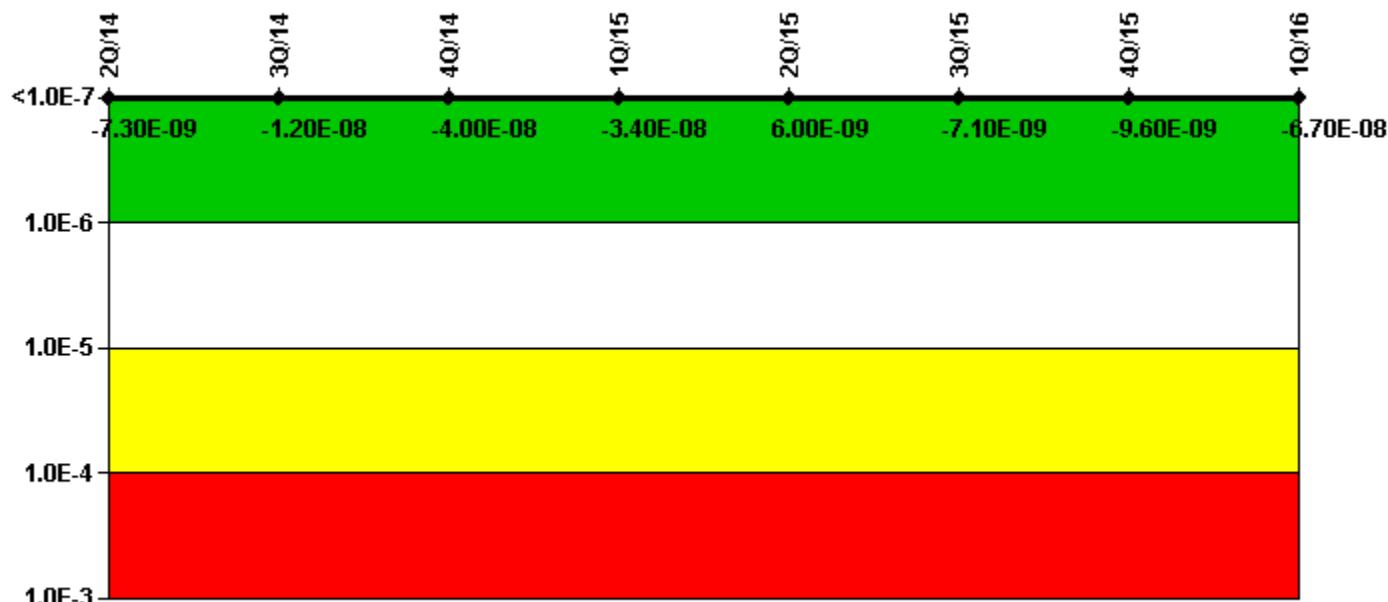
Thresholds: White > 5.0

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	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

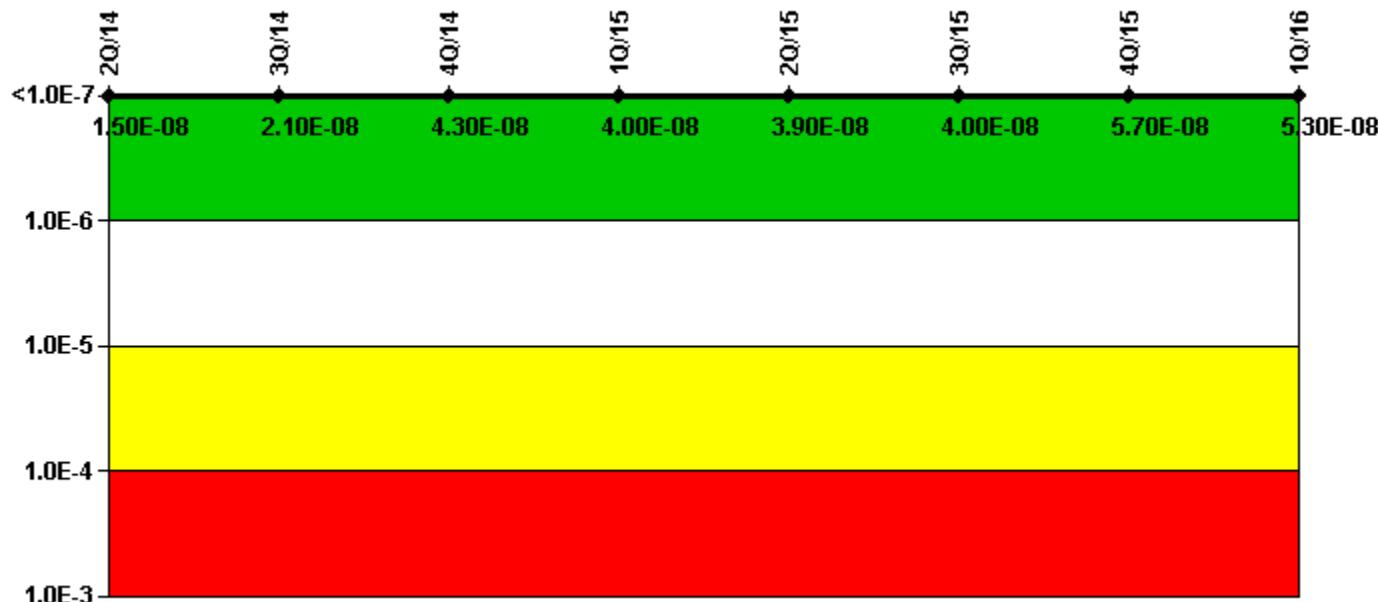
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	1.16E-08	7.89E-09	3.63E-09	8.49E-09	1.86E-08	1.35E-08	1.17E-08	5.91E-09
URI (Δ CDF)	-1.89E-08	-1.96E-08	-4.33E-08	-4.30E-08	-1.26E-08	-2.06E-08	-2.13E-08	-7.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.30E-09	-1.20E-08	-4.00E-08	-3.40E-08	6.00E-09	-7.10E-09	-9.60E-09	-6.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, High Pressure Injection System



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

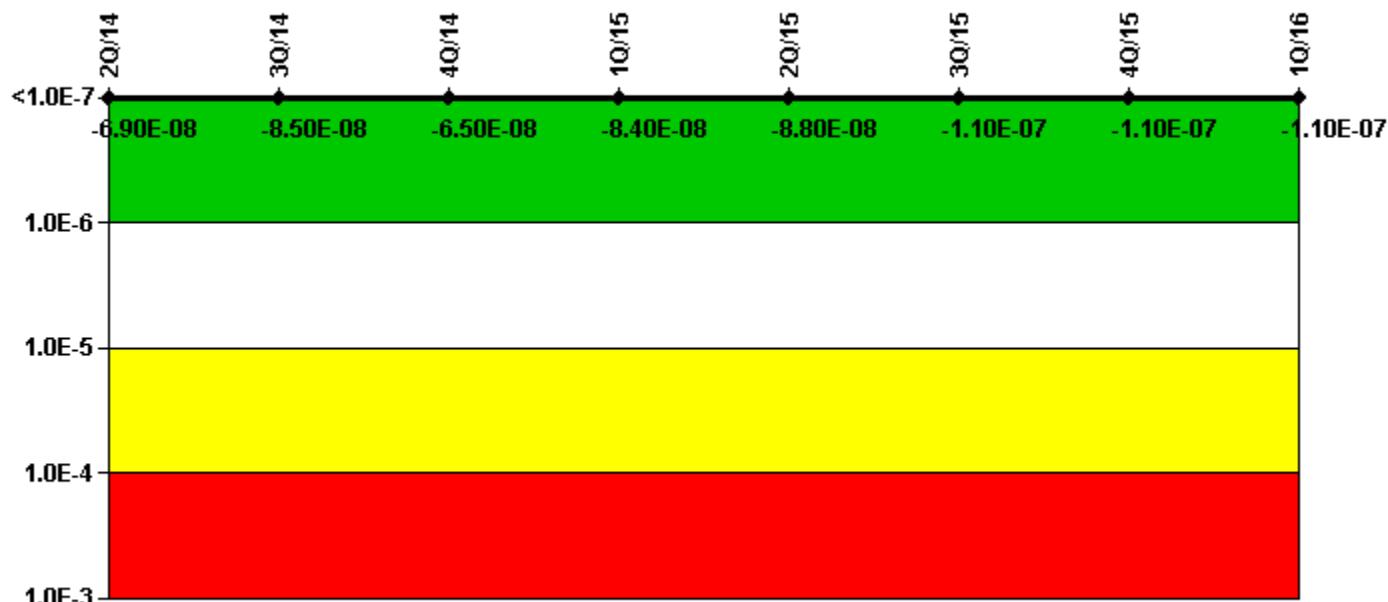
Notes

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)	1.51E-08	1.86E-08	3.61E-08	3.30E-08	3.21E-08	3.24E-08	4.05E-08	3.63E-08
URI (Δ CDF)	-4.77E-10	1.99E-09	7.22E-09	7.22E-09	7.22E-09	7.22E-09	1.67E-08	1.66E-08
PLE	NO							
Indicator value	1.50E-08	2.10E-08	4.30E-08	4.00E-08	3.90E-08	4.00E-08	5.70E-08	5.30E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Heat Removal System



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

Notes

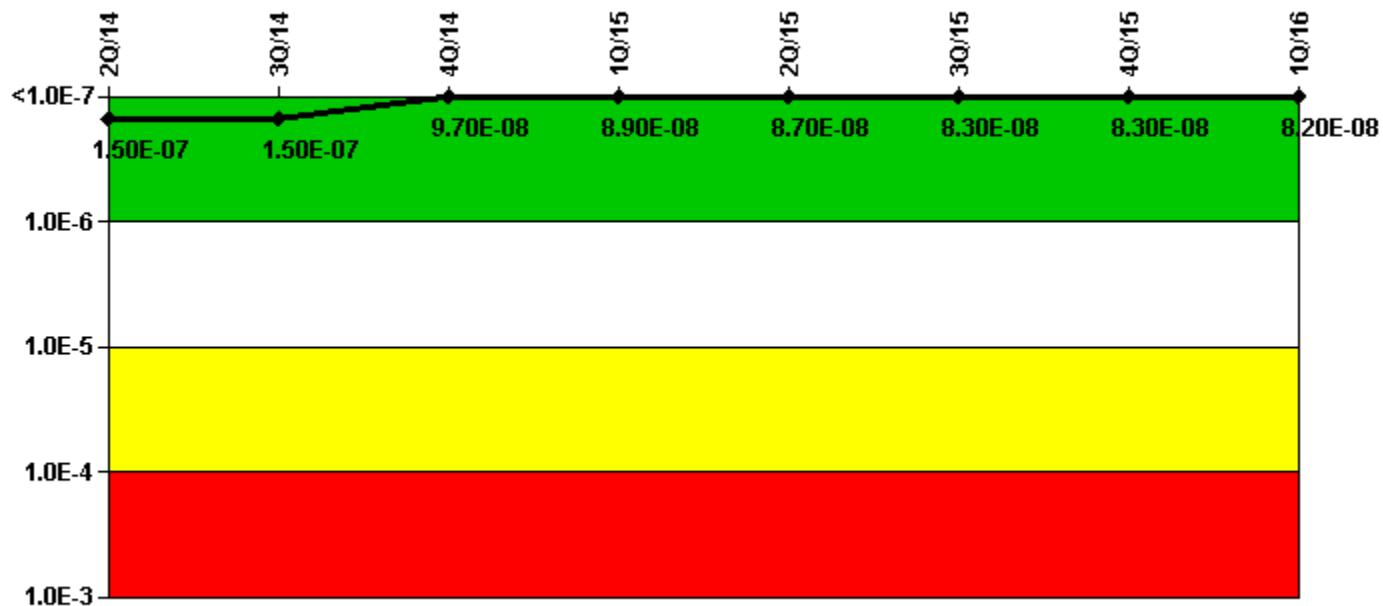
Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	8.39E-08	6.29E-08	2.37E-08	6.79E-09	4.45E-09	-1.07E-08	-1.13E-08	-5.57E-09
URI (Δ CDF)	-1.53E-07	-1.48E-07	-8.91E-08	-9.08E-08	-9.20E-08	-9.95E-08	-1.01E-07	-1.02E-07
PLE	NO							
Indicator value	-6.90E-08	-8.50E-08	-6.50E-08	-8.40E-08	-8.80E-08	-1.10E-07	-1.10E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

2Q/14: Note in 1B (2) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726 Note in 1A-S (3) Removed 1:46 hours. Unavailability was previously counted against AFW due to one train of Auxiliary Compressed Air being out of service. Reference PER 913726

Mitigating Systems Performance Index, Residual Heat Removal System



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

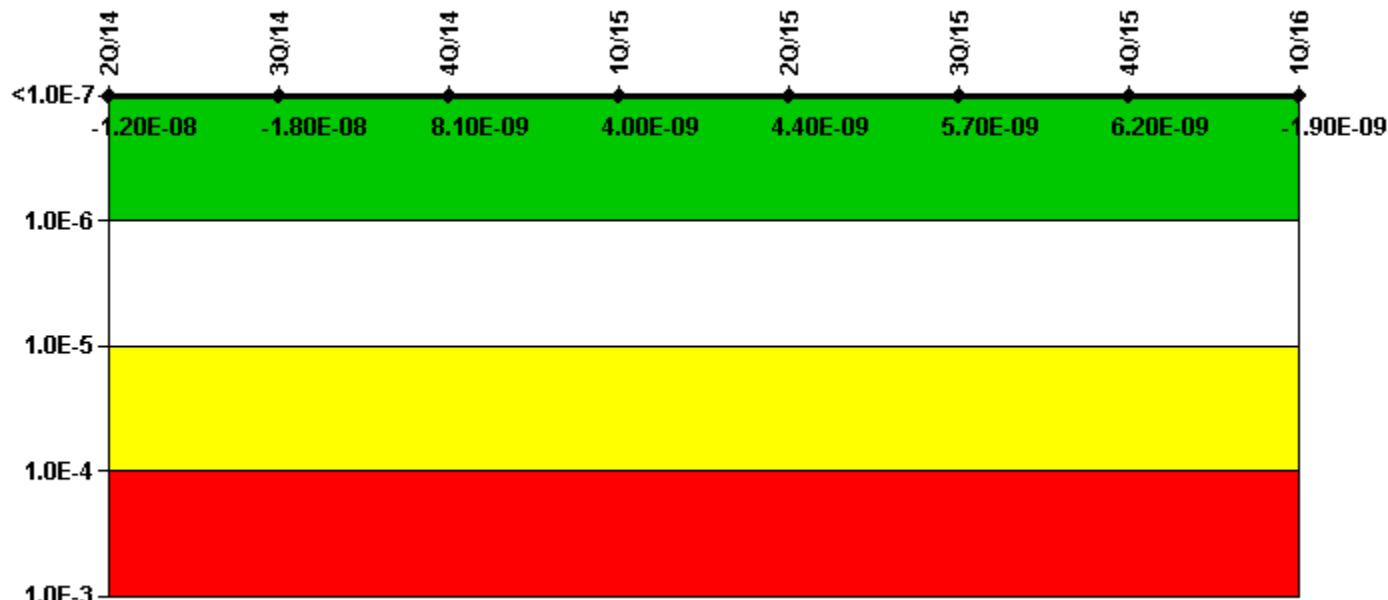
Notes

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)	3.69E-08	3.89E-08	2.86E-08	2.17E-08	2.12E-08	1.85E-08	1.82E-08	1.78E-08
URI (Δ CDF)	1.12E-07	1.09E-07	6.88E-08	6.74E-08	6.61E-08	6.48E-08	6.48E-08	6.45E-08
PLE	NO							
Indicator value	1.50E-07	1.50E-07	9.70E-08	8.90E-08	8.70E-08	8.30E-08	8.30E-08	8.20E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

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)	1.90E-08	1.34E-08	1.58E-08	1.17E-08	1.21E-08	1.34E-08	1.39E-08	5.76E-09
URI (Δ CDF)	-3.13E-08	-3.13E-08	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-1.80E-08	8.10E-09	4.00E-09	4.40E-09	5.70E-09	6.20E-09	-1.90E-09

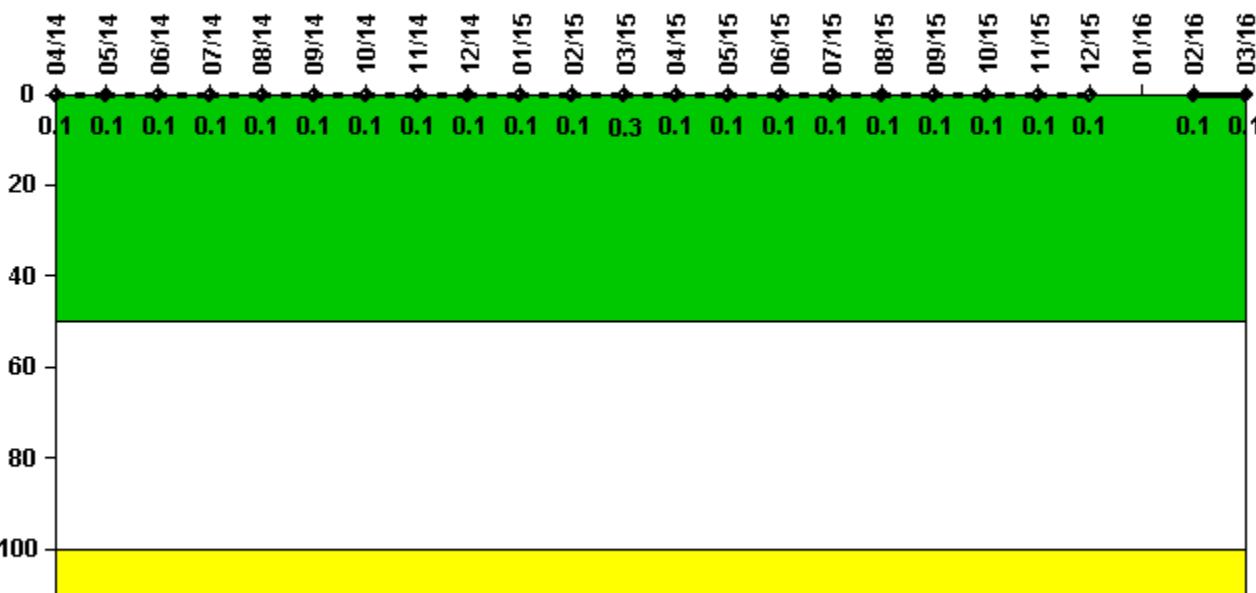
Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

2Q/14: Changed PRA Parameter(s). The planned unavailability baselines for 1 or more ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

Reactor Coolant System Activity



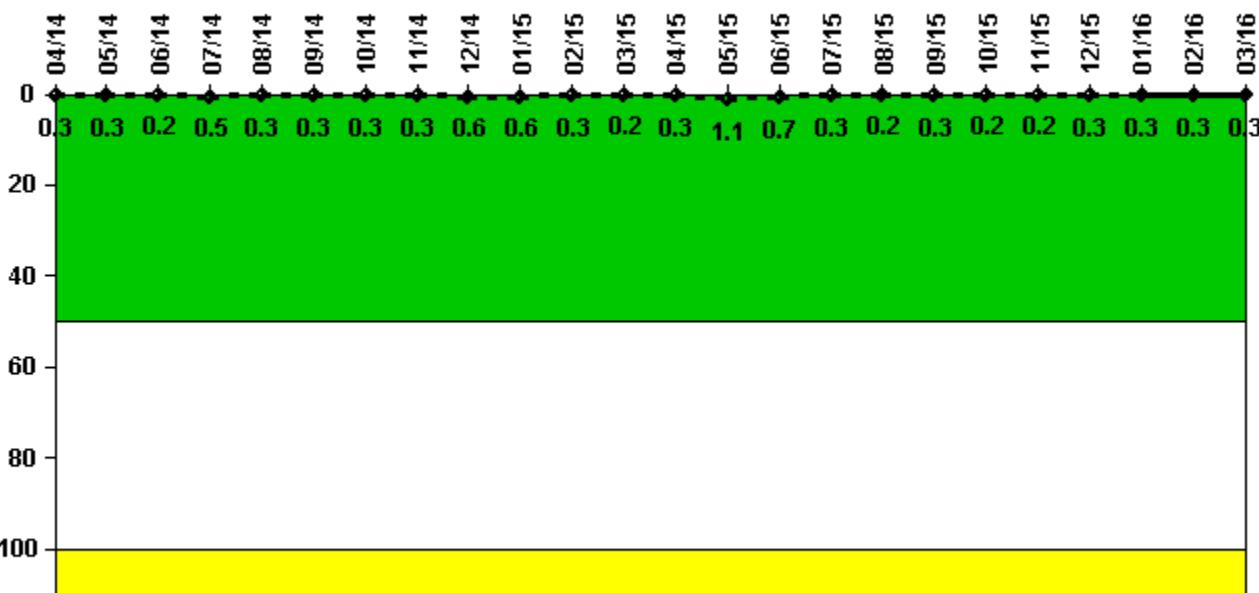
Thresholds: White > 50.0 Yellow > 100.0

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	0.000315	0.000305	0.000343	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
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	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267	N/A	0.000319	0.000321
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

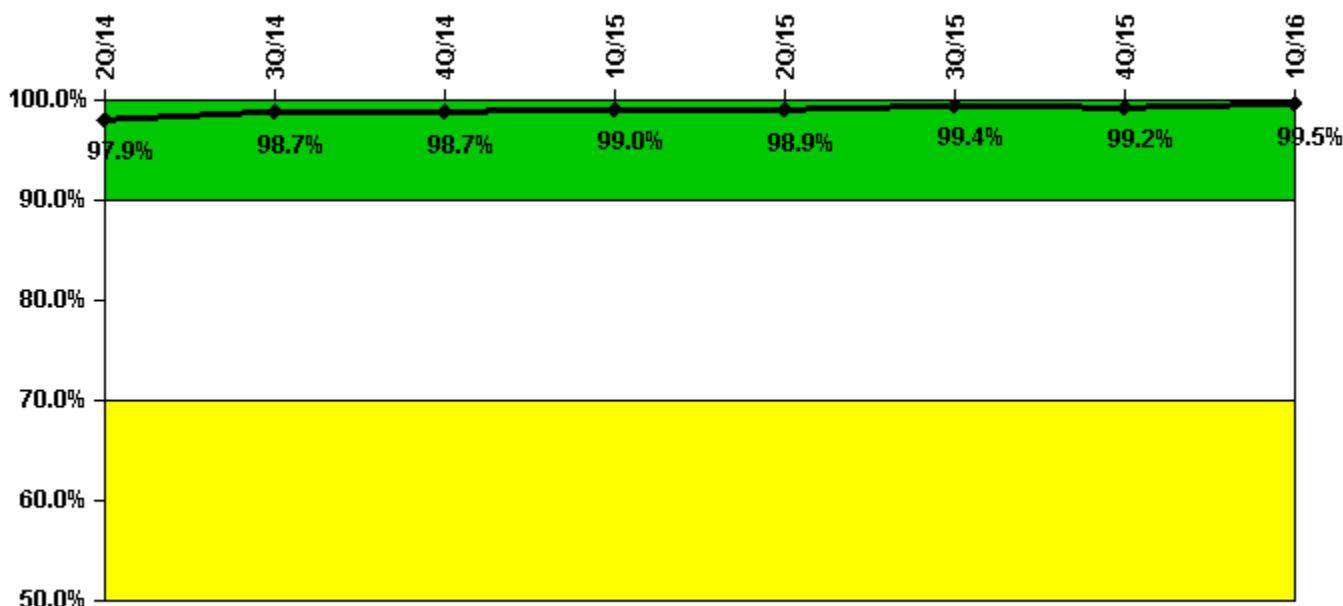


Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.030	0.020	0.050	0.030	0.030	0.030	0.030	0.060	0.060	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.6	0.6	0.3	0.2
Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.030	0.110	0.070	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	1.1	0.7	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance

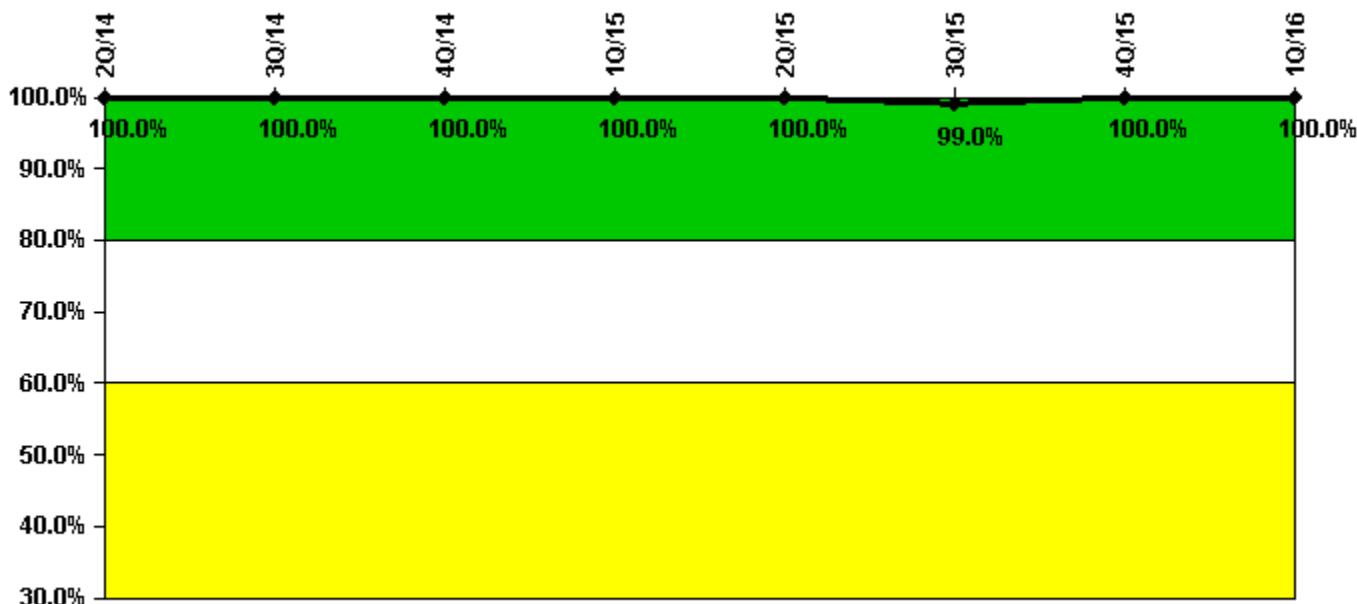
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	18.0	52.0	85.0	58.0	10.0	58.0	63.0	84.0
Total opportunities	18.0	52.0	86.0	58.0	10.0	58.0	64.0	84.0
Indicator value	97.9%	98.7%	98.7%	99.0%	98.9%	99.4%	99.2%	99.5%

Licensee Comments: none

ERO Drill Participation



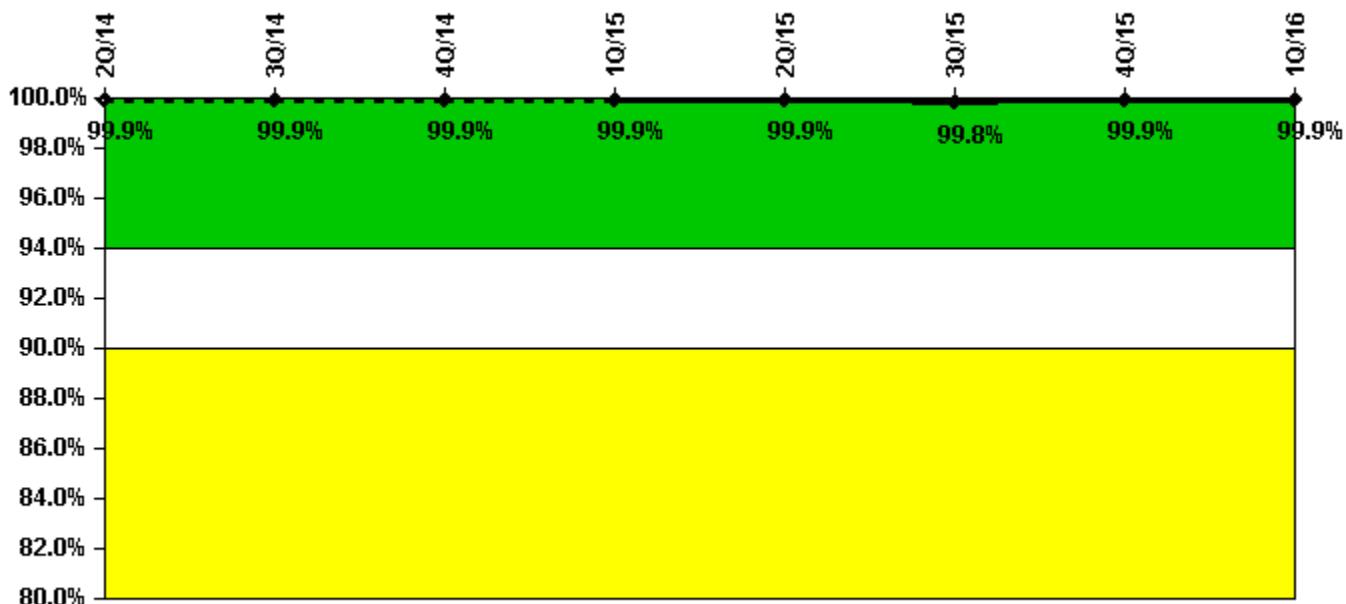
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	101.0	89.0	92.0	95.0	96.0	95.0	99.0	96.0
Total Key personnel	101.0	89.0	92.0	95.0	96.0	96.0	99.0	96.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



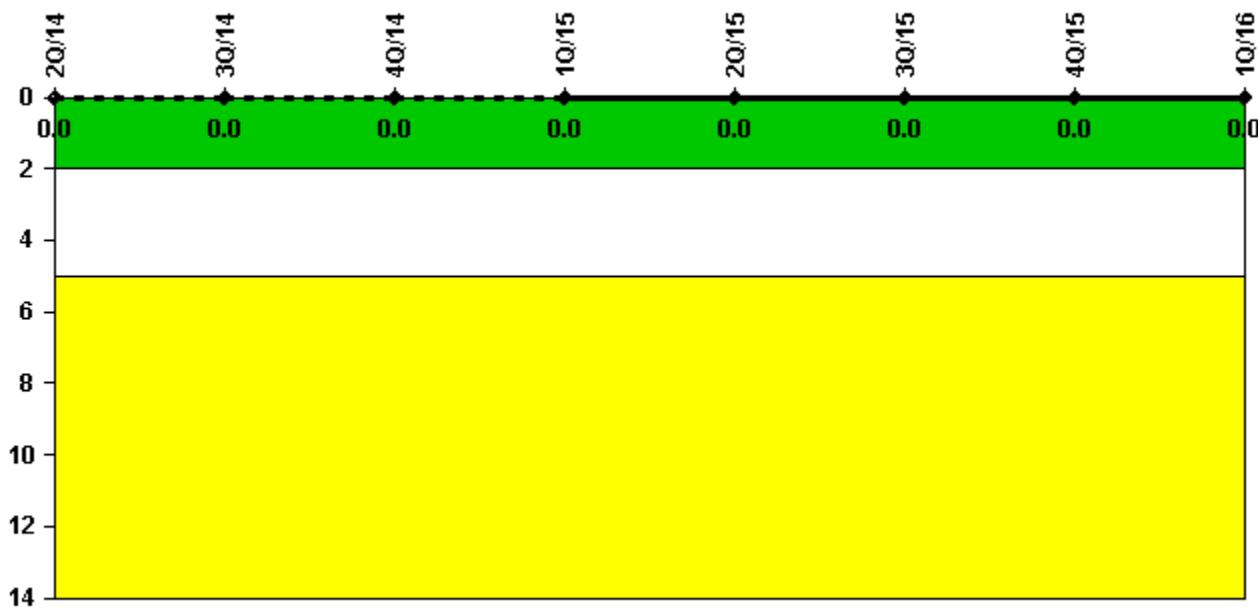
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	791	1016	903	1017	791	1012	791	1017
Total sirens-tests	791	1017	904	1017	791	1017	791	1017
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



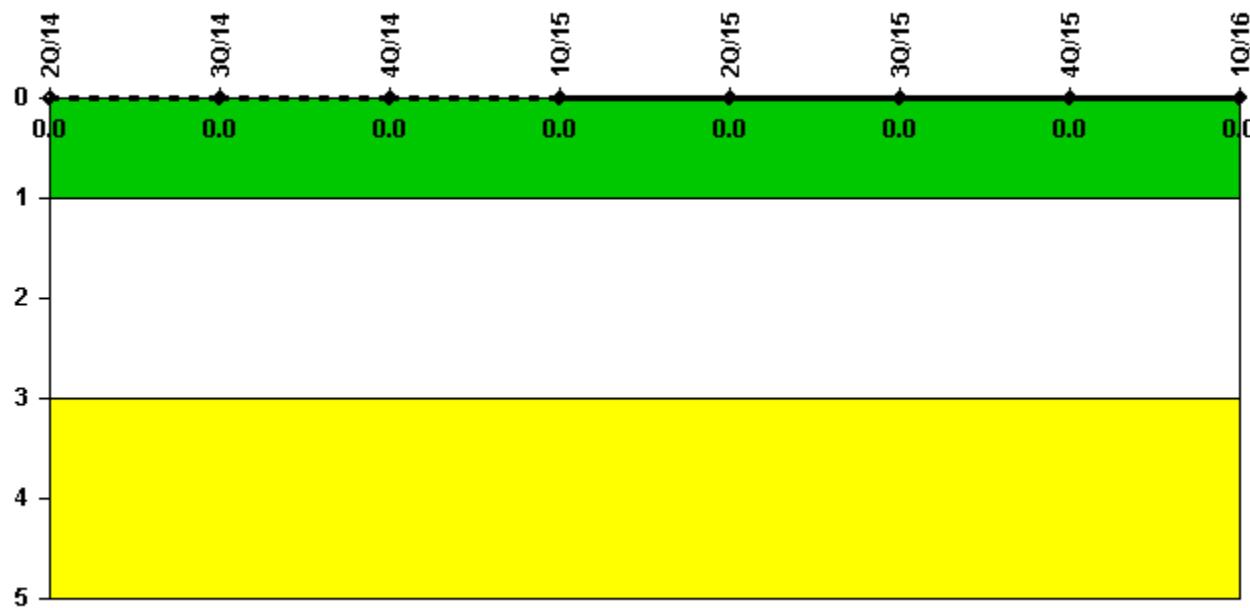
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

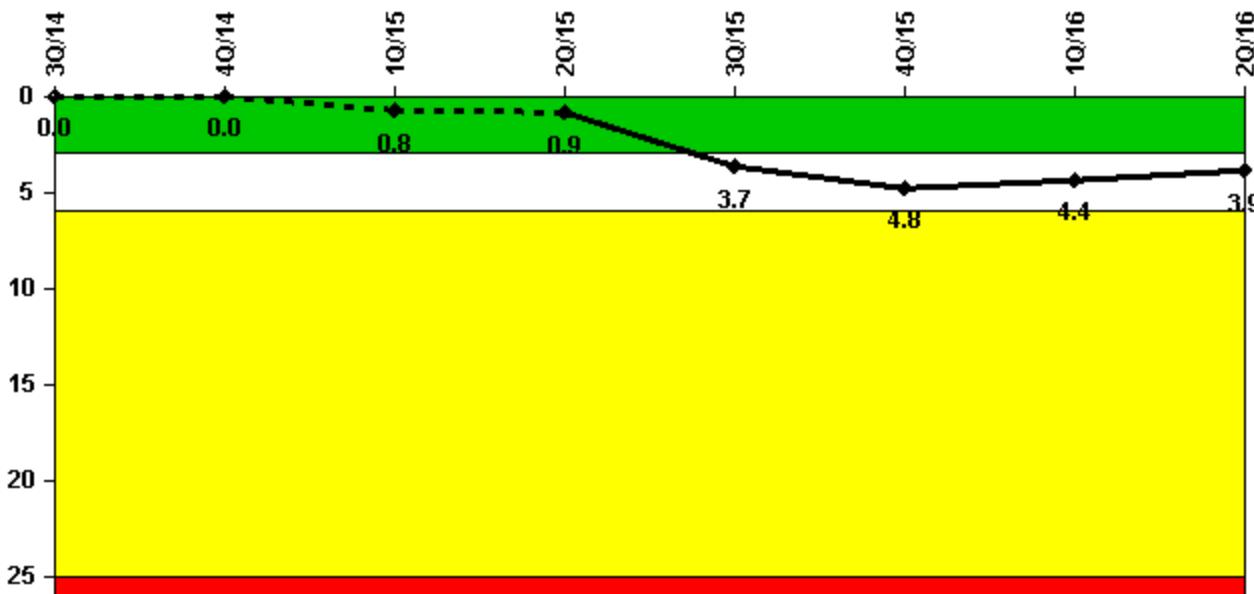
Sequoyah 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



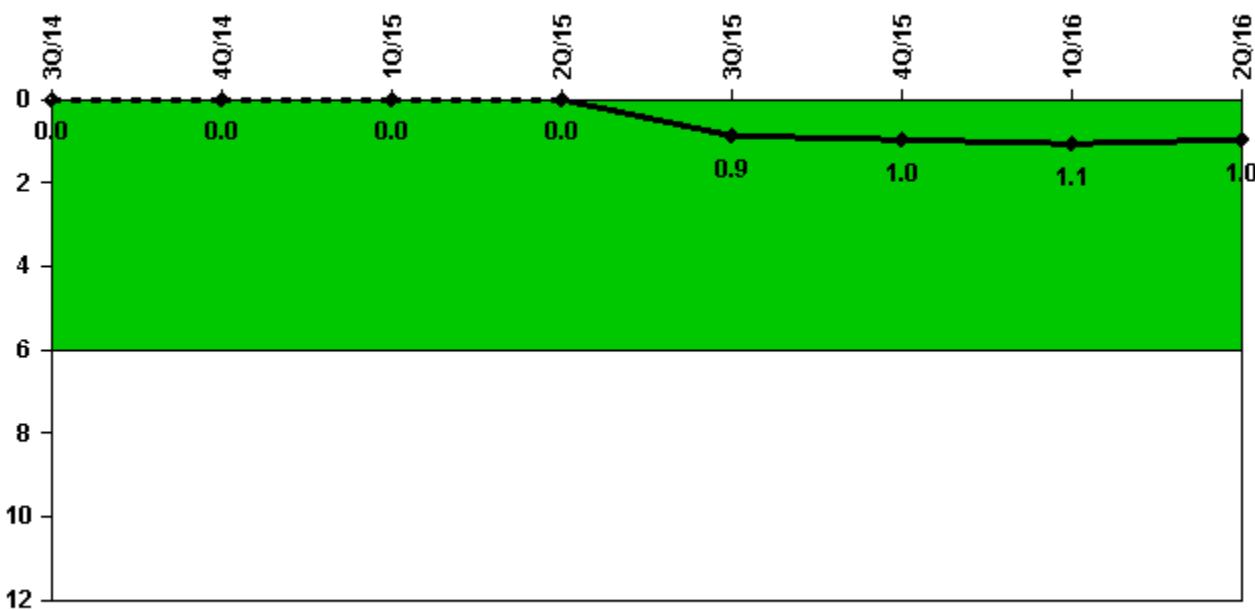
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	1.0	0	0
Critical hours	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0
Indicator value	0	0	0.8	0.9	3.7	4.8	4.4	3.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



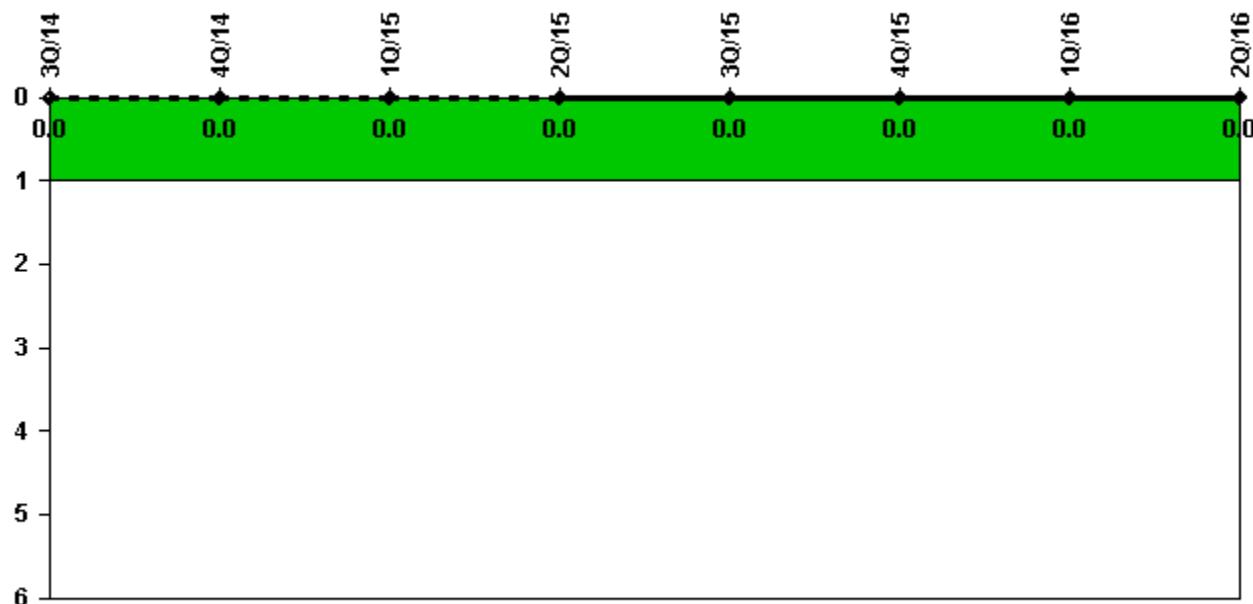
Thresholds: White > 6.0

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	1.0	0	0	0
Critical hours	2208.0	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0
Indicator value	0	0	0	0	0.9	1.0	1.1	1.0

Licensee Comments: none

Unplanned Scrams with Complications



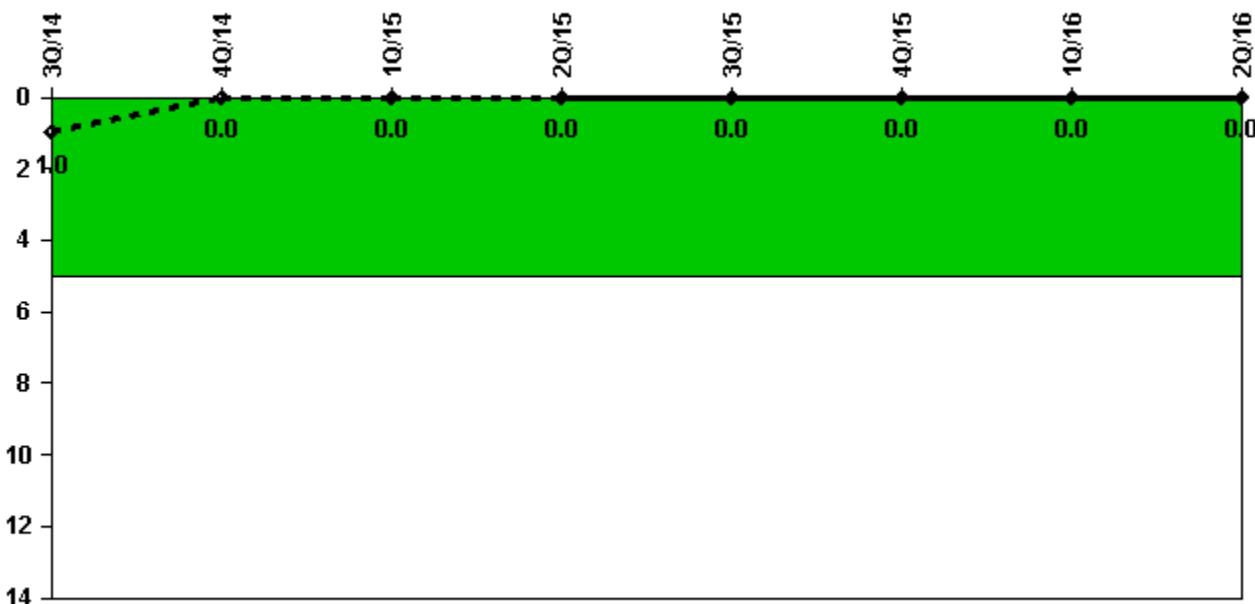
Thresholds: White > 1.0

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)



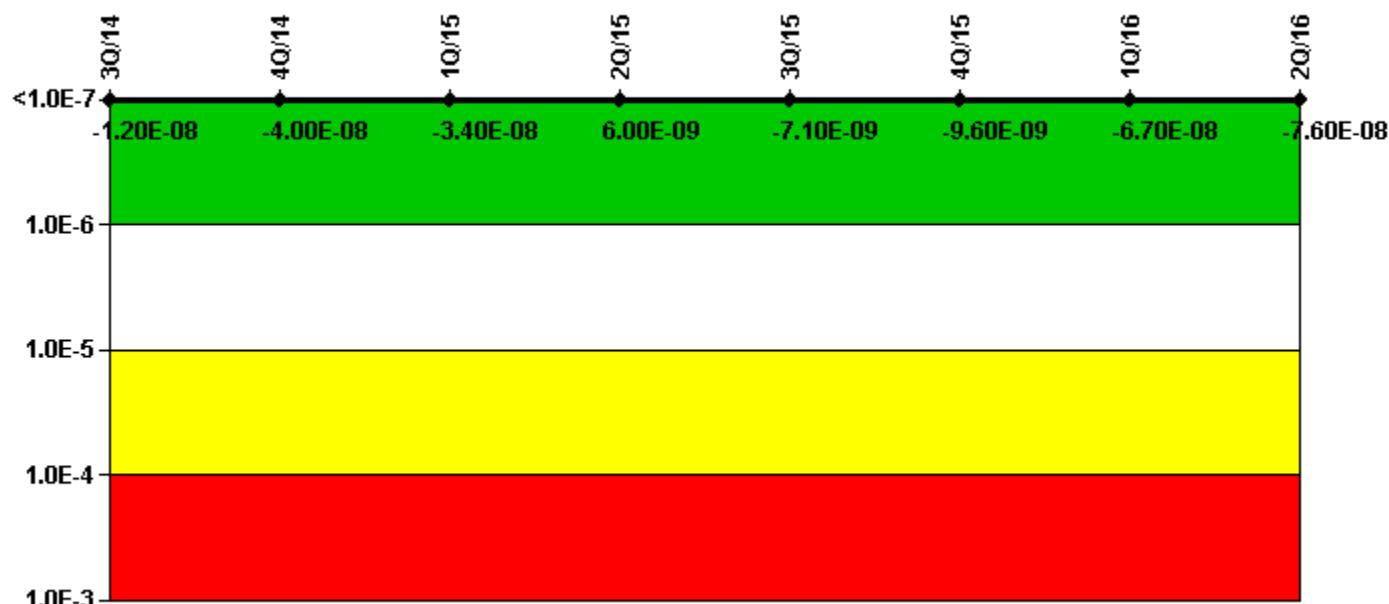
Thresholds: White > 5.0

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	0
Indicator value	1	0						

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

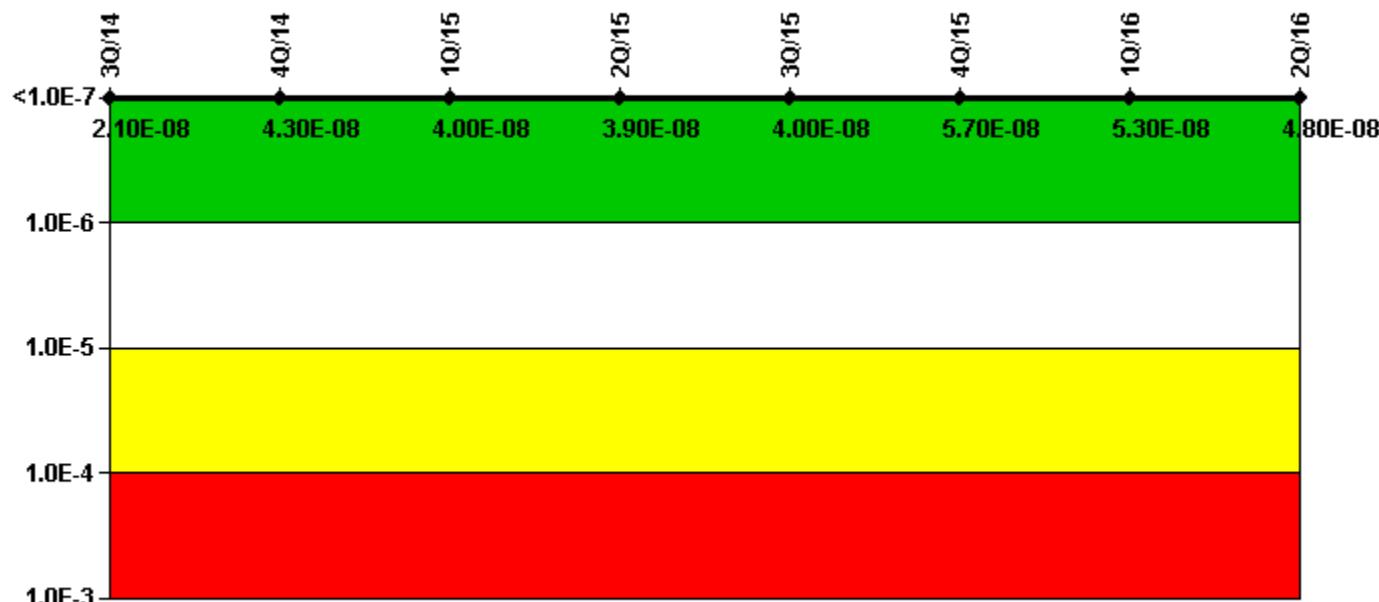
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	7.89E-09	3.63E-09	8.49E-09	1.86E-08	1.35E-08	1.17E-08	5.91E-09	-1.63E-09
URI (Δ CDF)	-1.96E-08	-4.33E-08	-4.30E-08	-1.26E-08	-2.06E-08	-2.13E-08	-7.28E-08	-7.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-4.00E-08	-3.40E-08	6.00E-09	-7.10E-09	-9.60E-09	-6.70E-08	-7.60E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, High Pressure Injection System



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

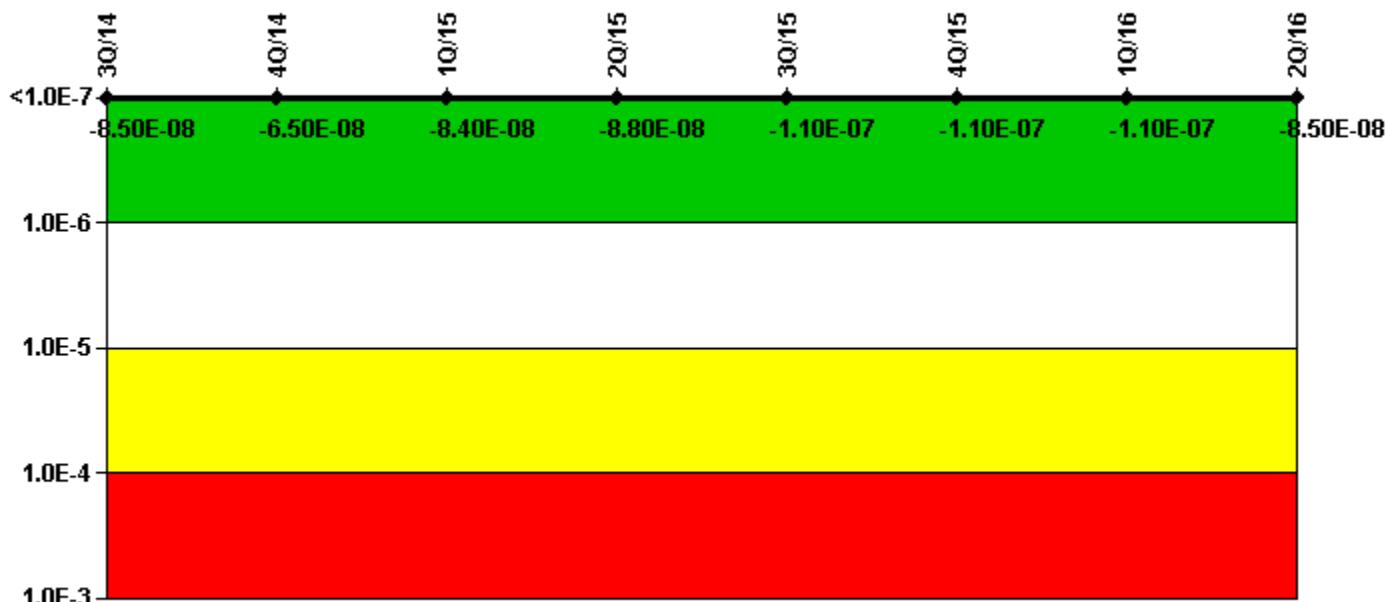
Notes

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)	1.86E-08	3.61E-08	3.30E-08	3.21E-08	3.24E-08	4.05E-08	3.63E-08	3.14E-08
URI (Δ CDF)	1.99E-09	7.22E-09	7.22E-09	7.22E-09	7.22E-09	1.67E-08	1.66E-08	1.66E-08
PLE	NO							
Indicator value	2.10E-08	4.30E-08	4.00E-08	3.90E-08	4.00E-08	5.70E-08	5.30E-08	4.80E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

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)	6.29E-08	2.37E-08	6.79E-09	4.45E-09	-1.07E-08	-1.13E-08	-5.57E-09	1.64E-08
URI (Δ CDF)	-1.48E-07	-8.91E-08	-9.08E-08	-9.20E-08	-9.95E-08	-1.01E-07	-1.02E-07	-1.02E-07
PLE	NO							
Indicator value	-8.50E-08	-6.50E-08	-8.40E-08	-8.80E-08	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Residual Heat Removal System



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

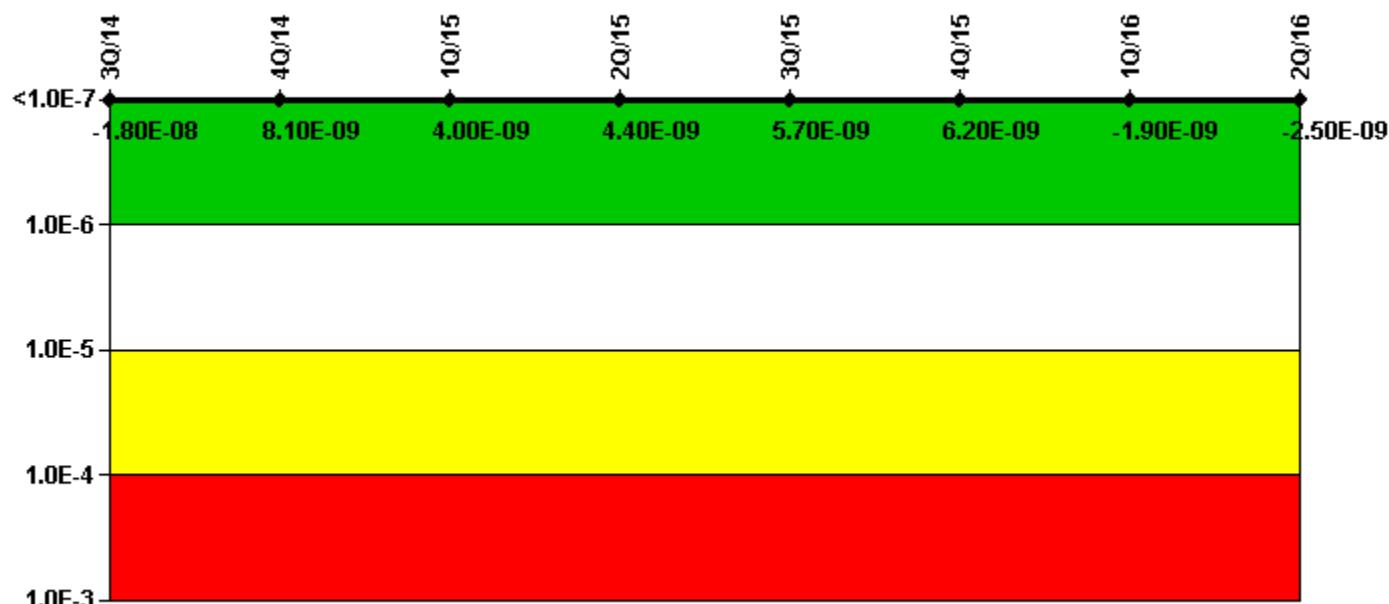
Notes

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)	3.89E-08	2.86E-08	2.17E-08	2.12E-08	1.85E-08	1.82E-08	1.78E-08	1.91E-08
URI (Δ CDF)	1.09E-07	6.88E-08	6.74E-08	6.61E-08	6.48E-08	6.48E-08	6.45E-08	6.45E-08
PLE	NO							
Indicator value	1.50E-07	9.70E-08	8.90E-08	8.70E-08	8.30E-08	8.30E-08	8.20E-08	8.40E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

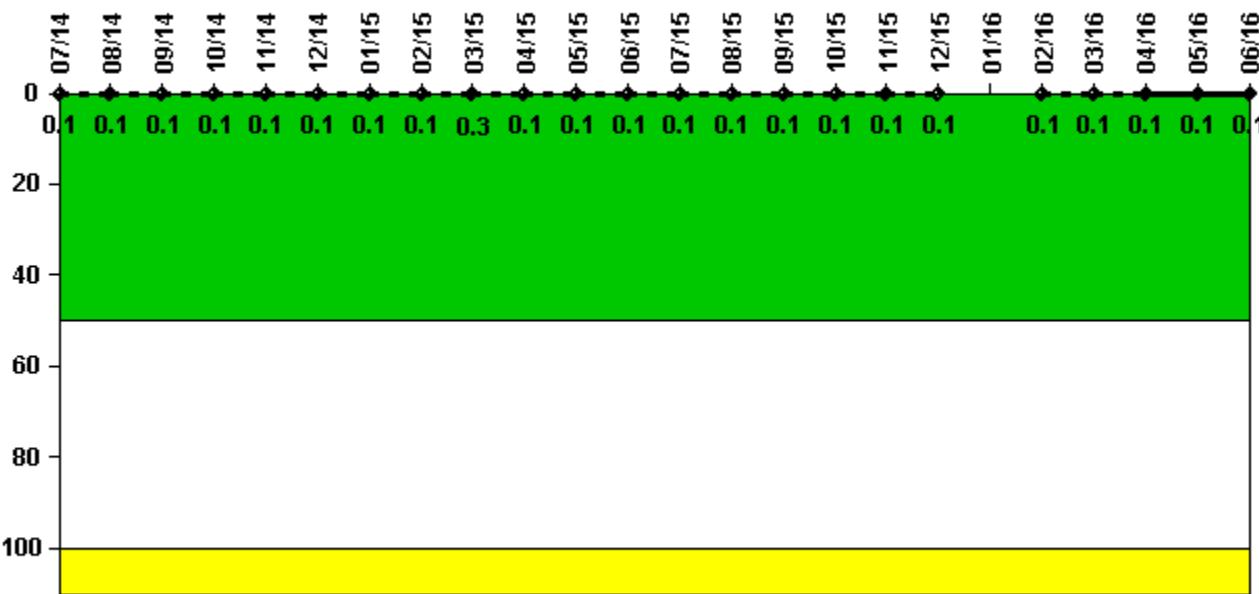
Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.34E-08	1.58E-08	1.17E-08	1.21E-08	1.34E-08	1.39E-08	5.76E-09	5.23E-09
URI (Δ CDF)		-3.13E-08	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-08	8.10E-09	4.00E-09	4.40E-09	5.70E-09	6.20E-09	-1.90E-09	-2.50E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

3Q/14: Changed PRA Parameter(s).

Reactor Coolant System Activity

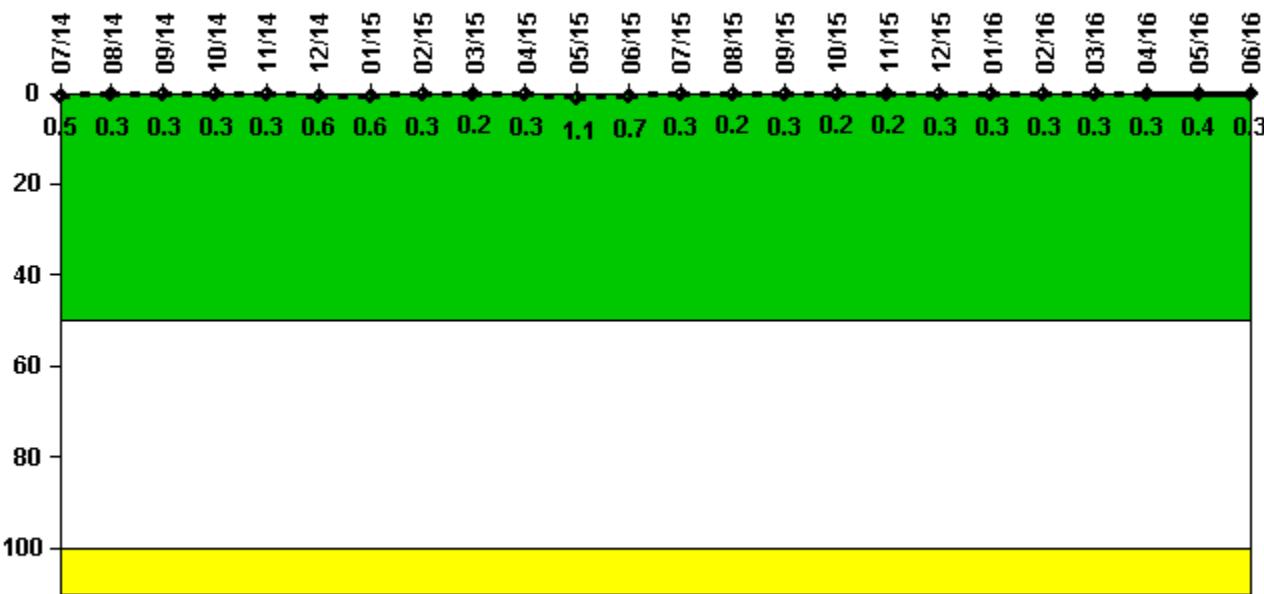


Notes

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	0.000346	0.000365	0.000372	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1
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	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267	N/A	0.000319	0.000321	0.000380	0.000351	0.000400
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

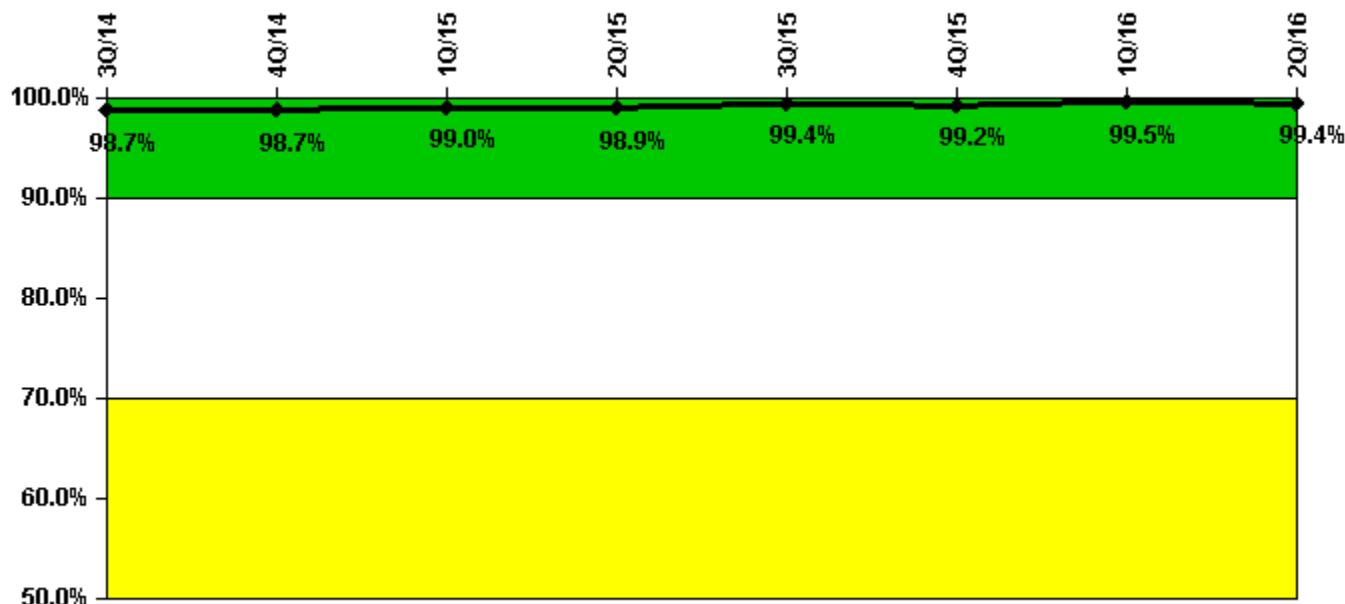


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.050	0.030	0.030	0.030	0.030	0.060	0.060	0.030	0.020	0.030	0.110	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	0.3	0.3	0.3	0.6	0.6	0.3	0.2	0.3	1.1	0.7
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	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3

Licensee Comments: none

Drill/Exercise Performance

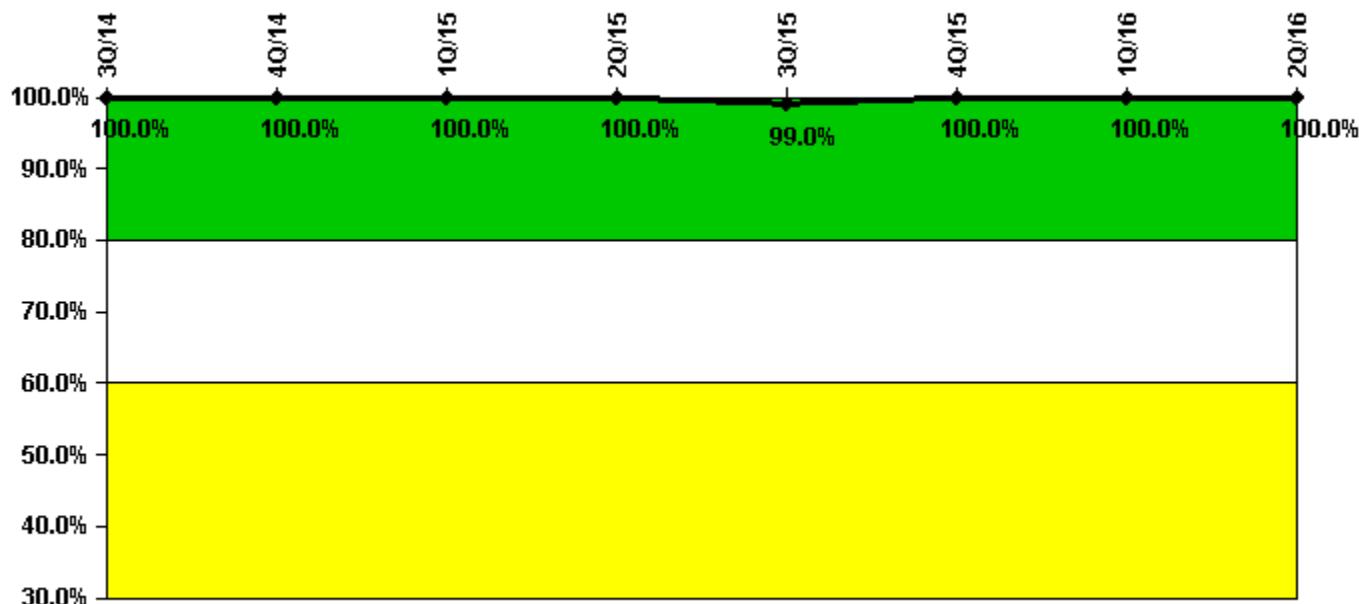
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	52.0	85.0	58.0	10.0	58.0	63.0	84.0	74.0
Total opportunities	52.0	86.0	58.0	10.0	58.0	64.0	84.0	75.0
Indicator value	98.7%	98.7%	99.0%	98.9%	99.4%	99.2%	99.5%	99.4%

Licensee Comments: none

ERO Drill Participation



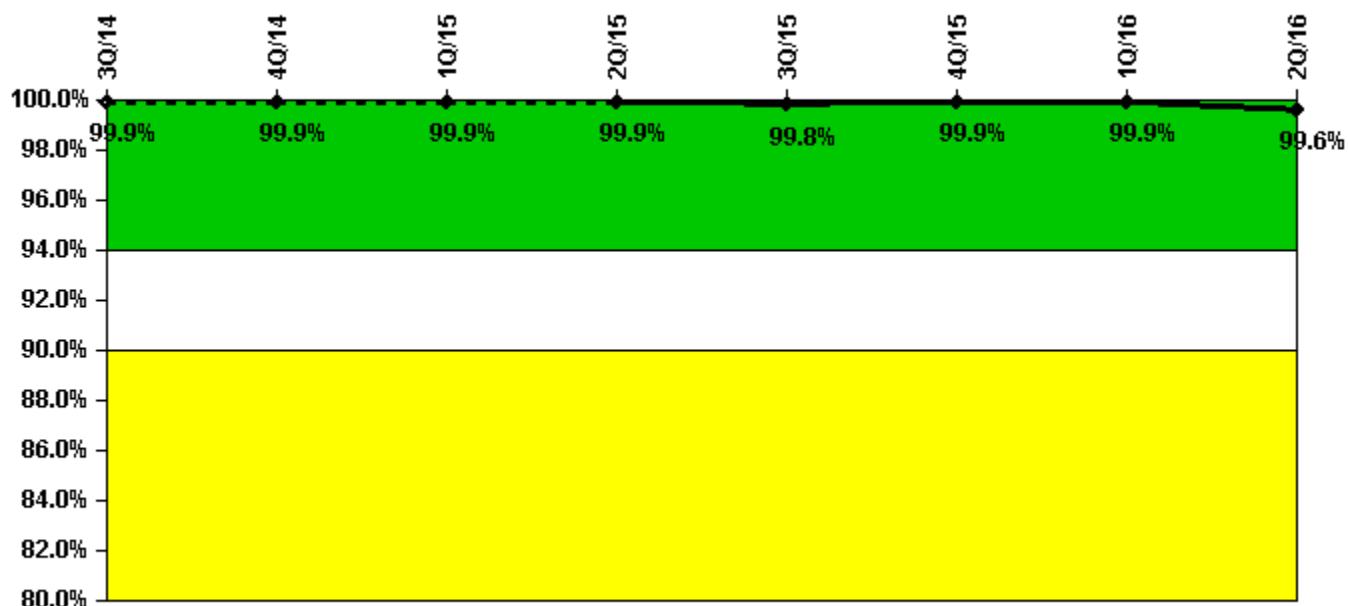
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	89.0	92.0	95.0	96.0	95.0	99.0	96.0	97.0
Total Key personnel	89.0	92.0	95.0	96.0	96.0	99.0	96.0	97.0
Indicator value	100.0%	100.0%	100.0%	100.0%	99.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



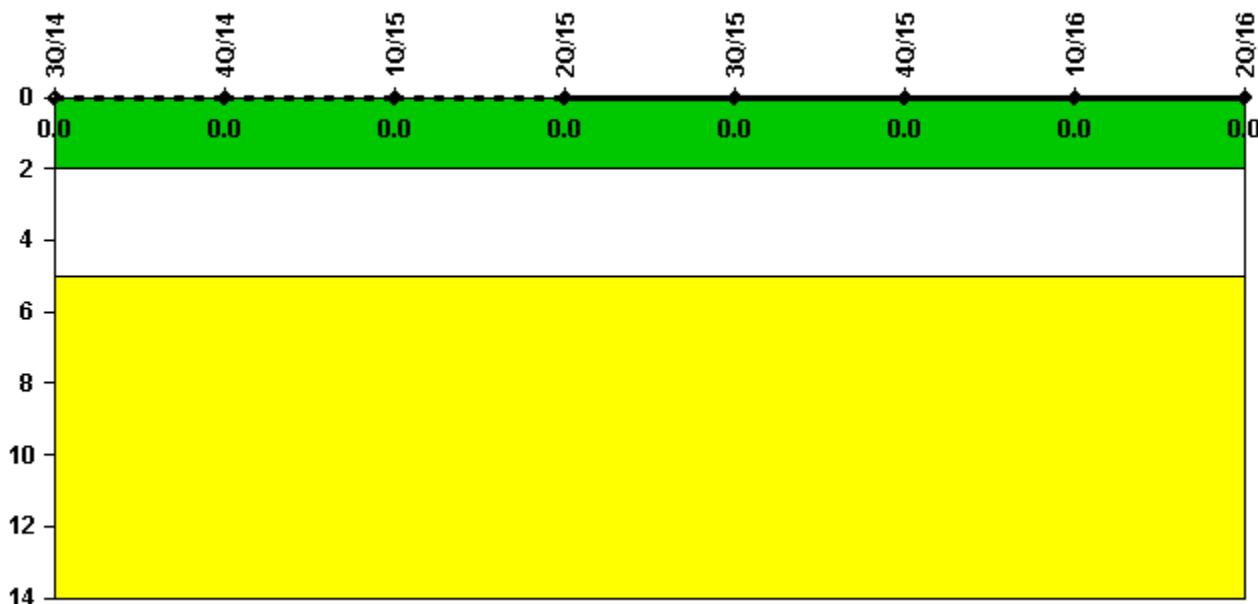
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1016	903	1017	791	1012	791	1017	780
Total sirens-tests	1017	904	1017	791	1017	791	1017	791
Indicator value	99.9%	99.9%	99.9%	99.9%	99.8%	99.9%	99.9%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



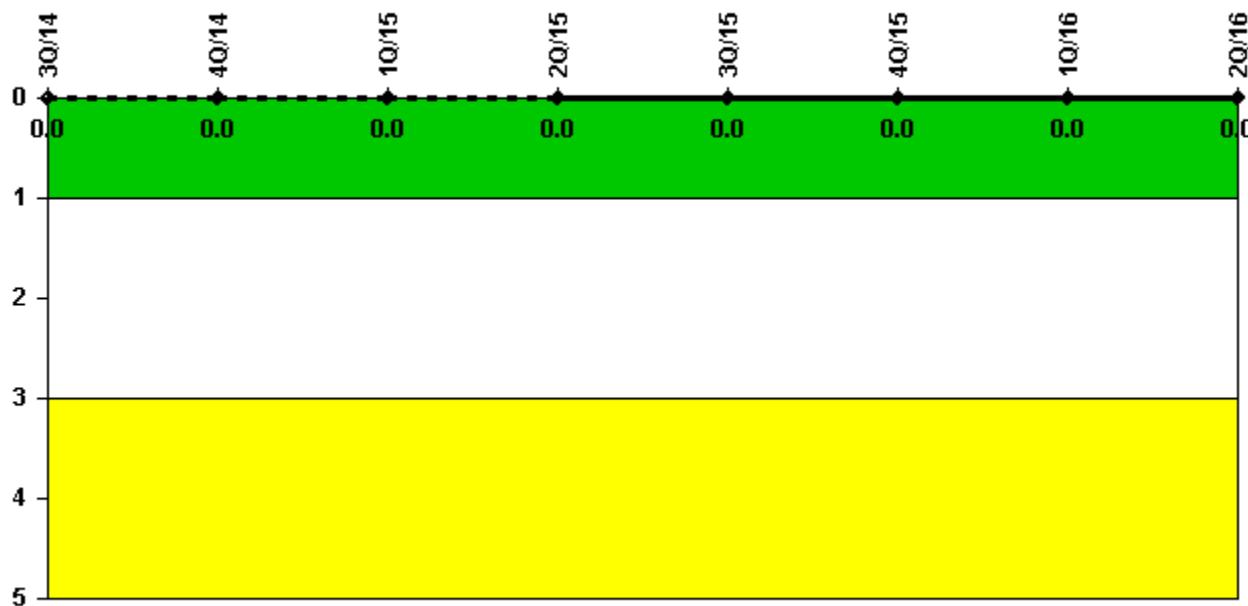
Thresholds: White > 2.0 Yellow > 5.0

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

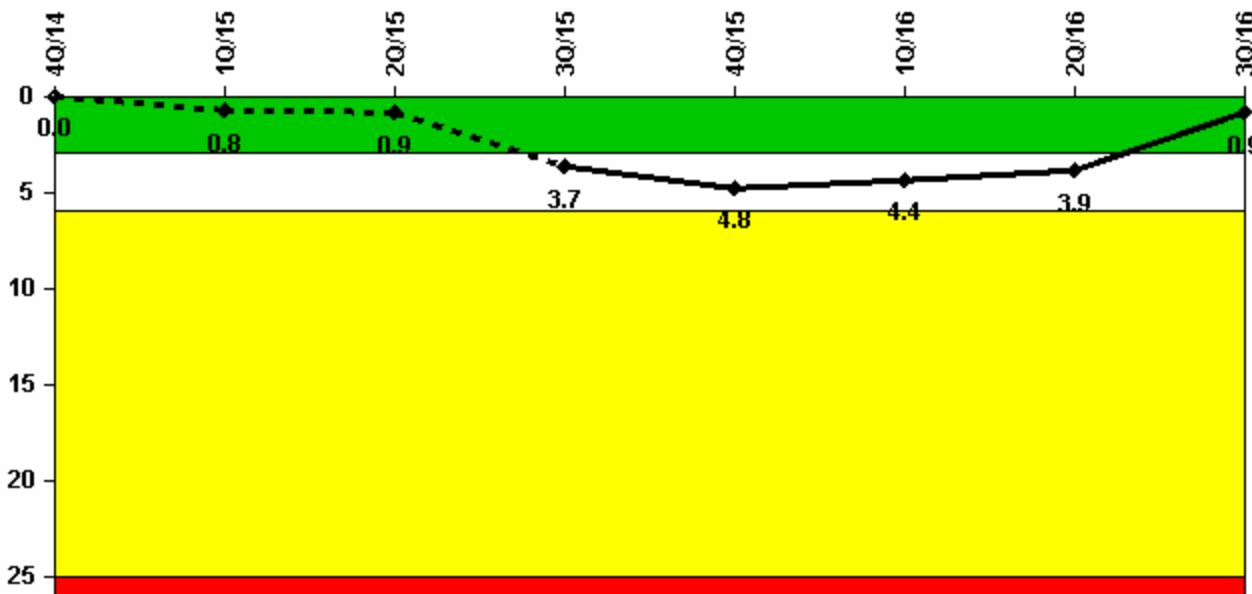
Sequoyah 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



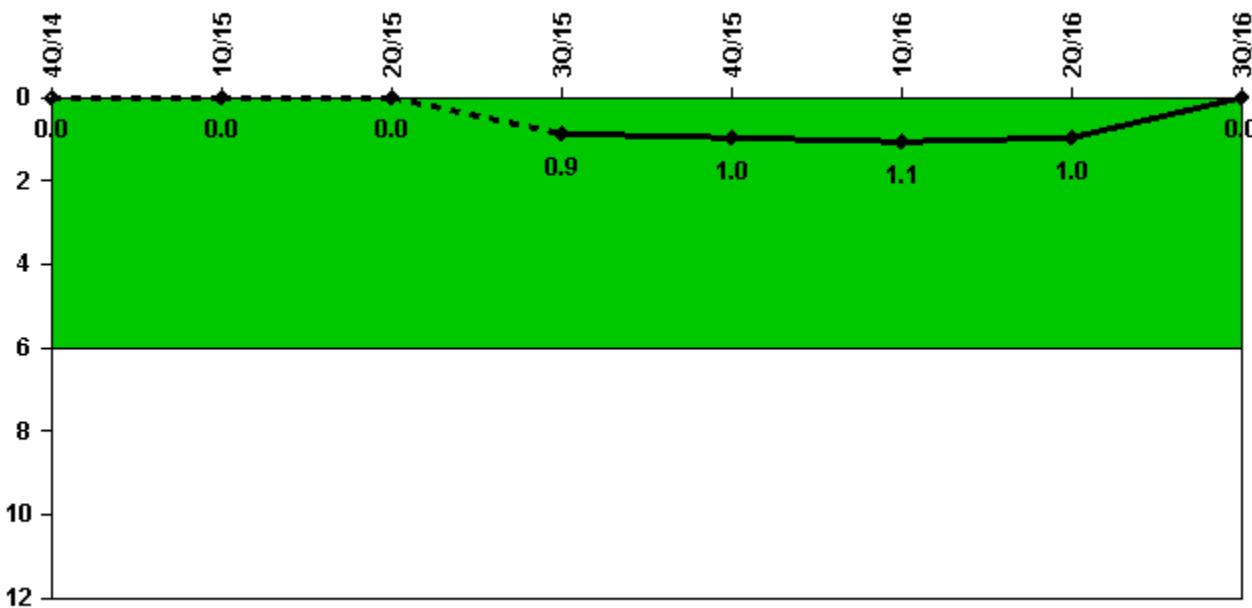
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	1.0	0	0	0
Critical hours	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0	2208.0
Indicator value	0	0.8	0.9	3.7	4.8	4.4	3.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



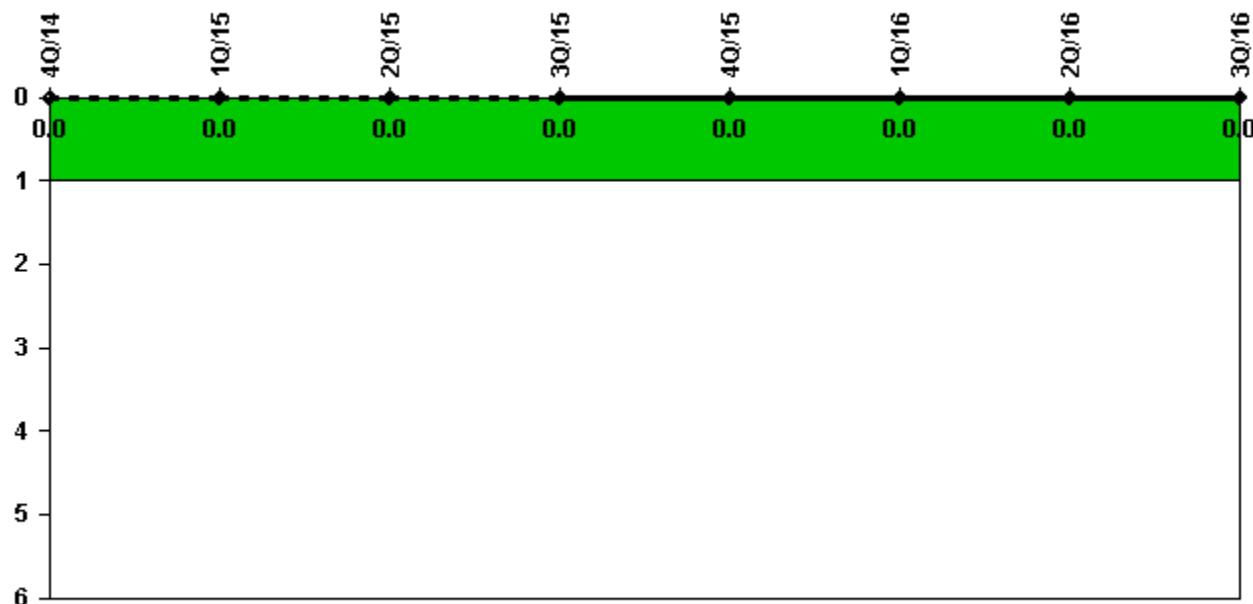
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0	2208.0
Indicator value	0	0	0	0.9	1.0	1.1	1.0	0

Licensee Comments: none

Unplanned Scrams with Complications



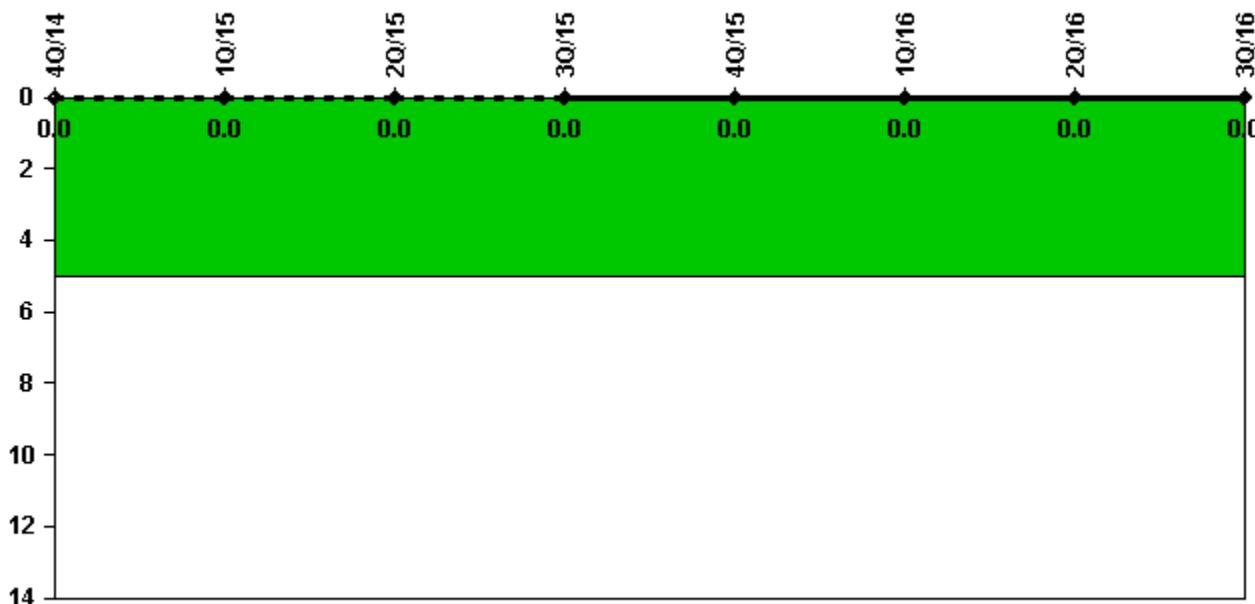
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



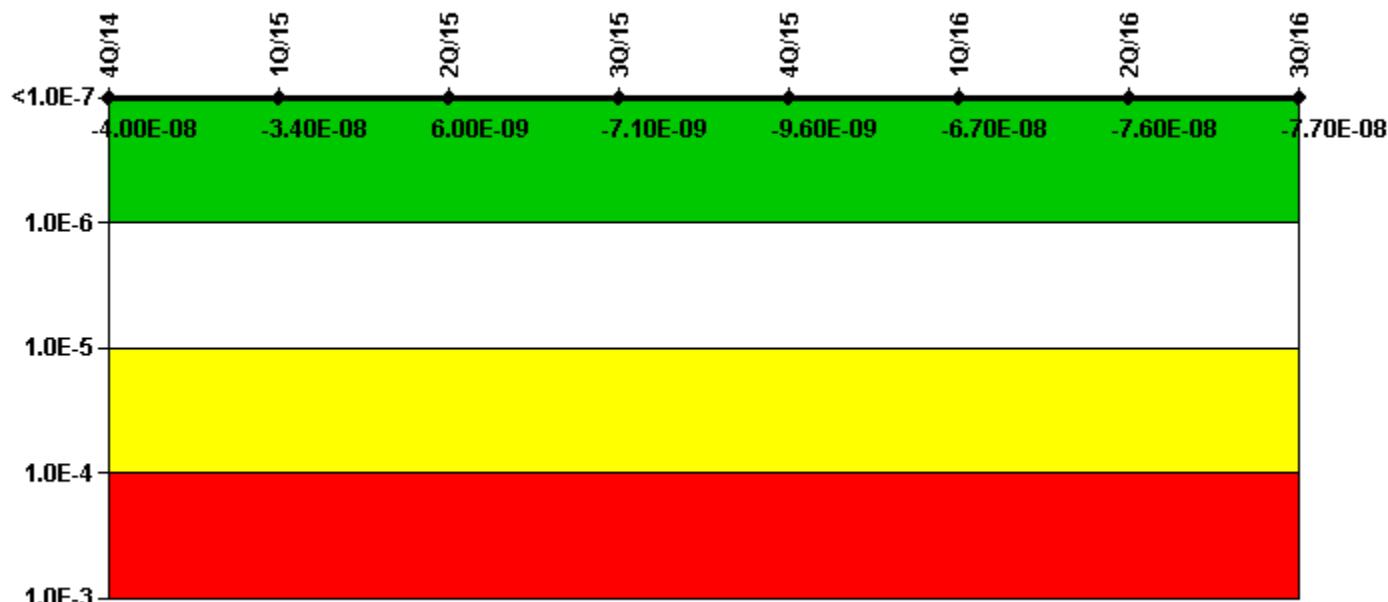
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	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

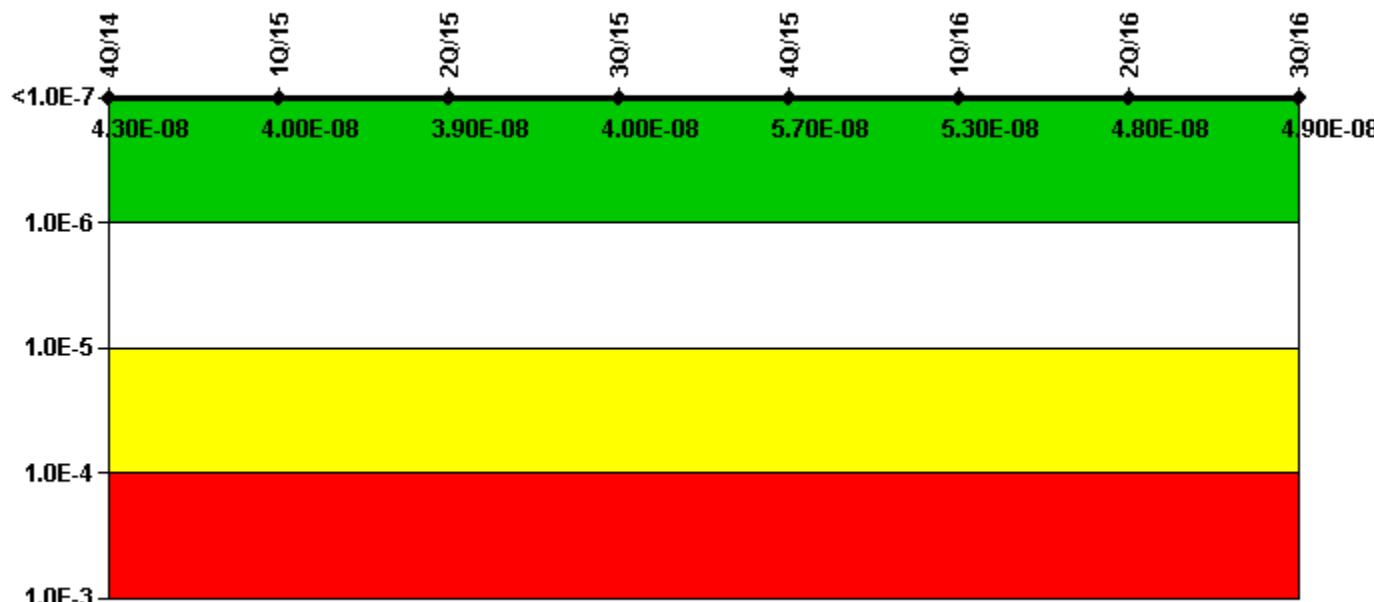
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	3.63E-09	8.49E-09	1.86E-08	1.35E-08	1.17E-08	5.91E-09	-1.63E-09	-4.40E-09
URI (Δ CDF)	-4.33E-08	-4.30E-08	-1.26E-08	-2.06E-08	-2.13E-08	-7.28E-08	-7.41E-08	-7.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-08	-3.40E-08	6.00E-09	-7.10E-09	-9.60E-09	-6.70E-08	-7.60E-08	-7.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, High Pressure Injection System



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

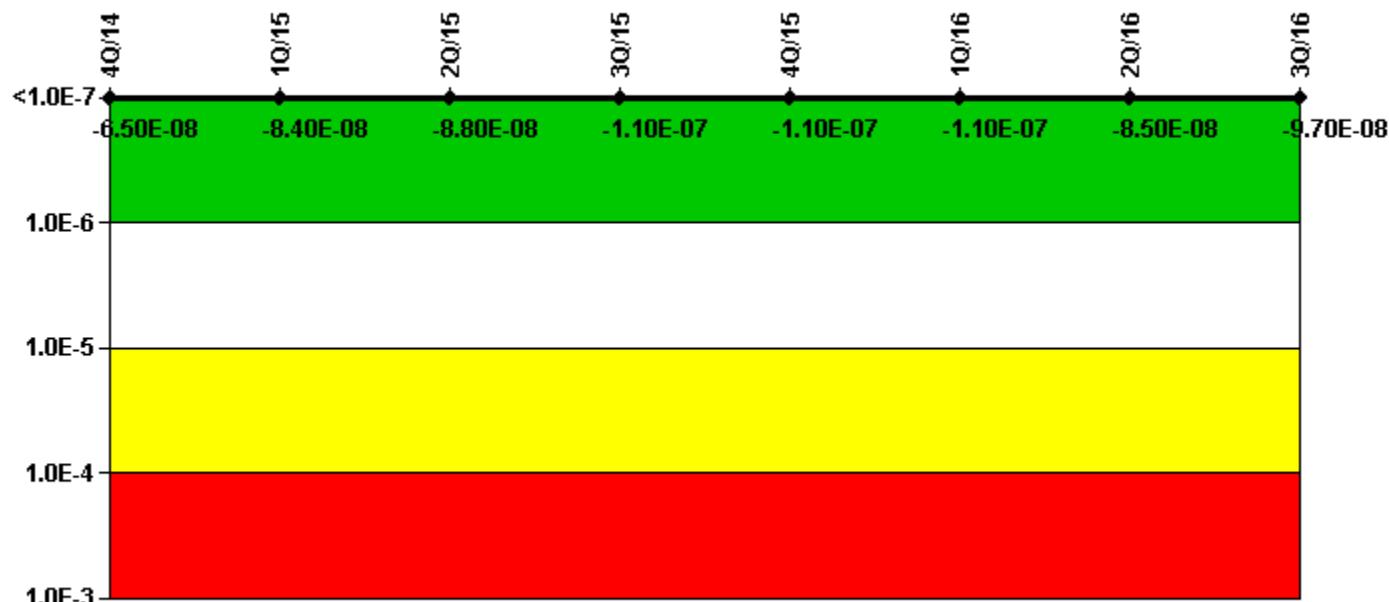
Notes

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)	3.61E-08	3.30E-08	3.21E-08	3.24E-08	4.05E-08	3.63E-08	3.14E-08	3.28E-08
URI (Δ CDF)	7.22E-09	7.22E-09	7.22E-09	7.22E-09	1.67E-08	1.66E-08	1.66E-08	1.66E-08
PLE	NO							
Indicator value	4.30E-08	4.00E-08	3.90E-08	4.00E-08	5.70E-08	5.30E-08	4.80E-08	4.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Heat Removal System



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

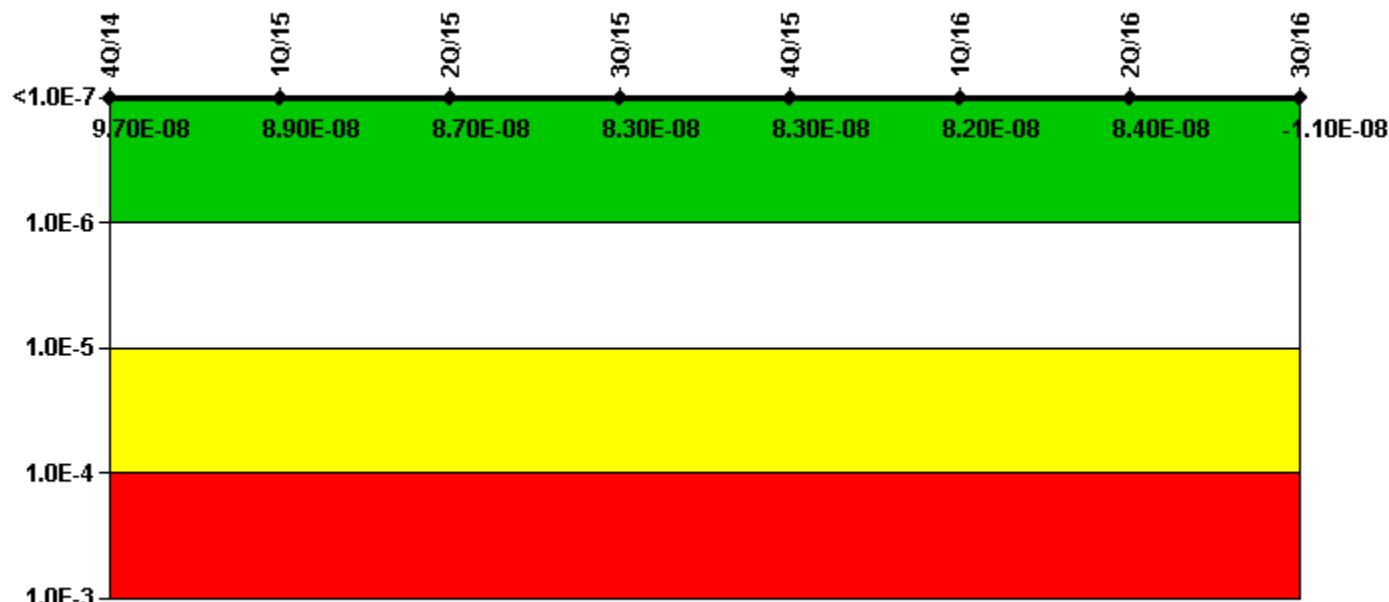
Notes

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)	2.37E-08	6.79E-09	4.45E-09	-1.07E-08	-1.13E-08	-5.57E-09	1.64E-08	4.68E-09
URI (Δ CDF)	-8.91E-08	-9.08E-08	-9.20E-08	-9.95E-08	-1.01E-07	-1.02E-07	-1.02E-07	-1.02E-07
PLE	NO							
Indicator value	-6.50E-08	-8.40E-08	-8.80E-08	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08	-9.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Residual Heat Removal System



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

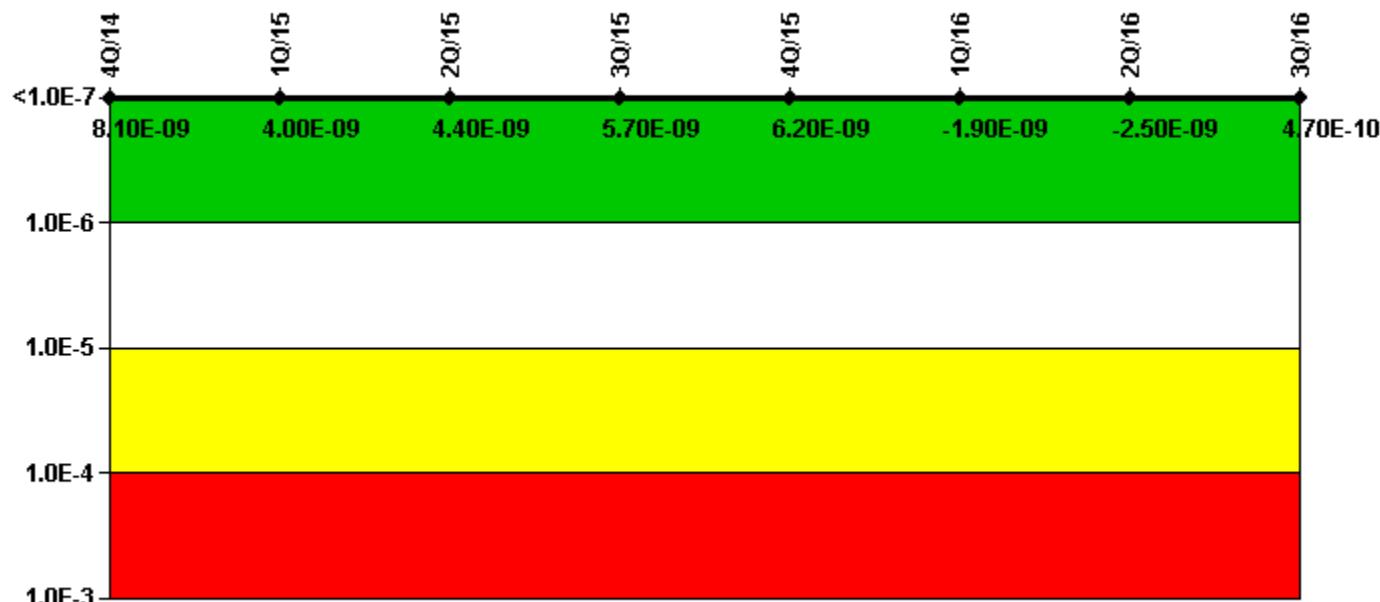
Notes

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)	2.86E-08	2.17E-08	2.12E-08	1.85E-08	1.82E-08	1.78E-08	1.91E-08	1.17E-08
URI (Δ CDF)	6.88E-08	6.74E-08	6.61E-08	6.48E-08	6.48E-08	6.45E-08	6.45E-08	-2.28E-08
PLE	NO							
Indicator value	9.70E-08	8.90E-08	8.70E-08	8.30E-08	8.30E-08	8.20E-08	8.40E-08	-1.10E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Mitigating Systems Performance Index, Cooling Water Systems



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

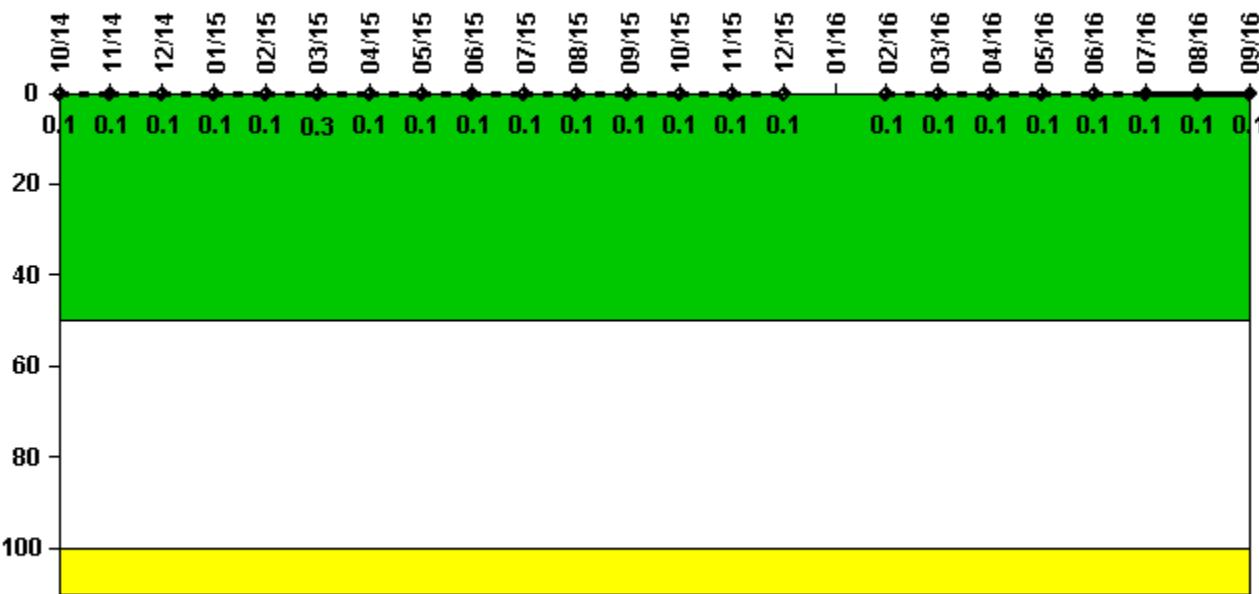
Notes

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)	1.58E-08	1.17E-08	1.21E-08	1.34E-08	1.39E-08	5.76E-09	5.23E-09	8.15E-09
URI (Δ CDF)	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.10E-09	4.00E-09	4.40E-09	5.70E-09	6.20E-09	-1.90E-09	-2.50E-09	4.70E-10

Licensee Comments:

4Q/14: Changed PRA Parameter(s). The Sequoyah U1 and U2 PRA model Revision 3 was issued on August 5, 2014 with corresponding Revision 9 of MSPI Basis Document issued on 1-6-2015. The PRA model revision was periodic update to the model which made corrections to the Containment, CVCS, Electric Power (6900V, 480V 250V and Below, and Diesel Generators), ERCW, PORVs and Safeties, RCP Seals and Thermal Barrier, RPS and SI system models. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised

Reactor Coolant System Activity



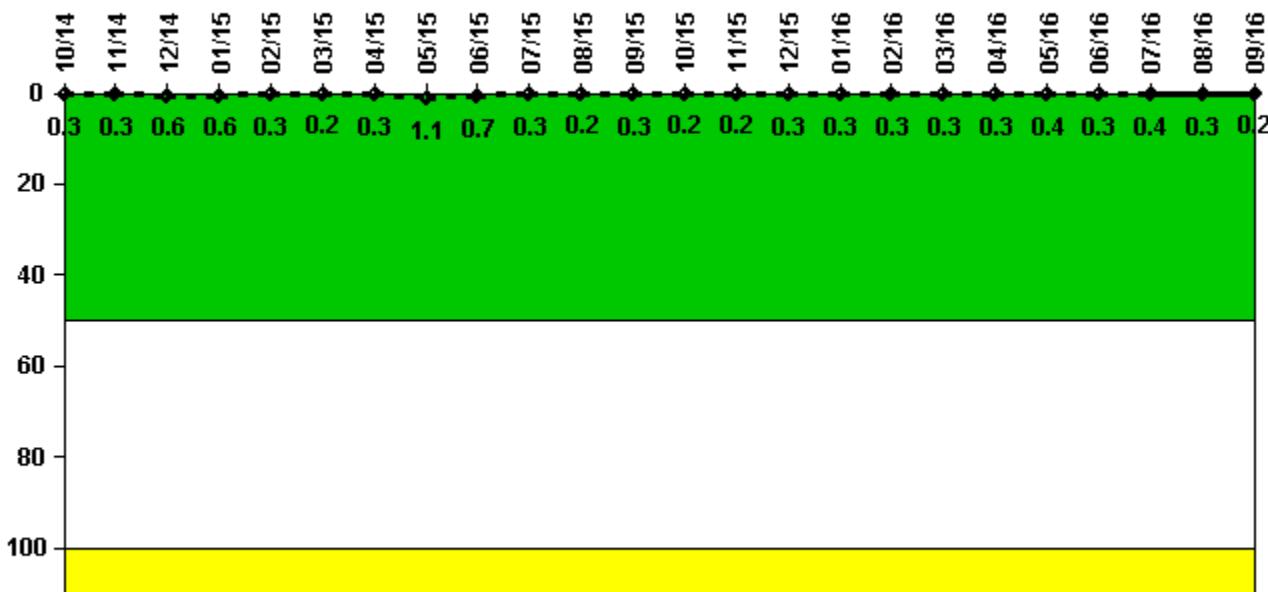
Thresholds: White > 50.0 Yellow > 100.0

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	0.000398	0.000391	0.000455	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000241	0.000263	0.000267	N/A	0.000319	0.000321	0.000380	0.000351	0.000400	0.000423	0.000395	0.000372
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

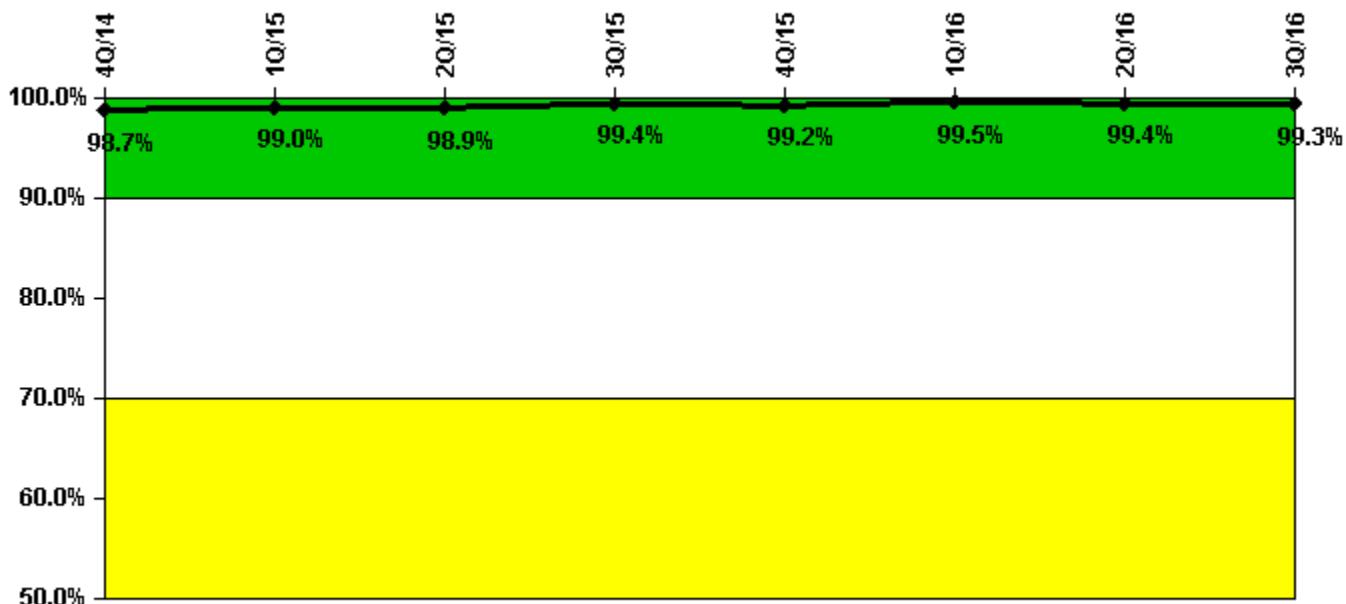


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.030	0.030	0.060	0.060	0.030	0.020	0.030	0.110	0.070	0.030	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.6	0.6	0.3	0.2	0.3	1.1	0.7	0.3	0.2	0.3
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	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.040	0.030	0.040	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance

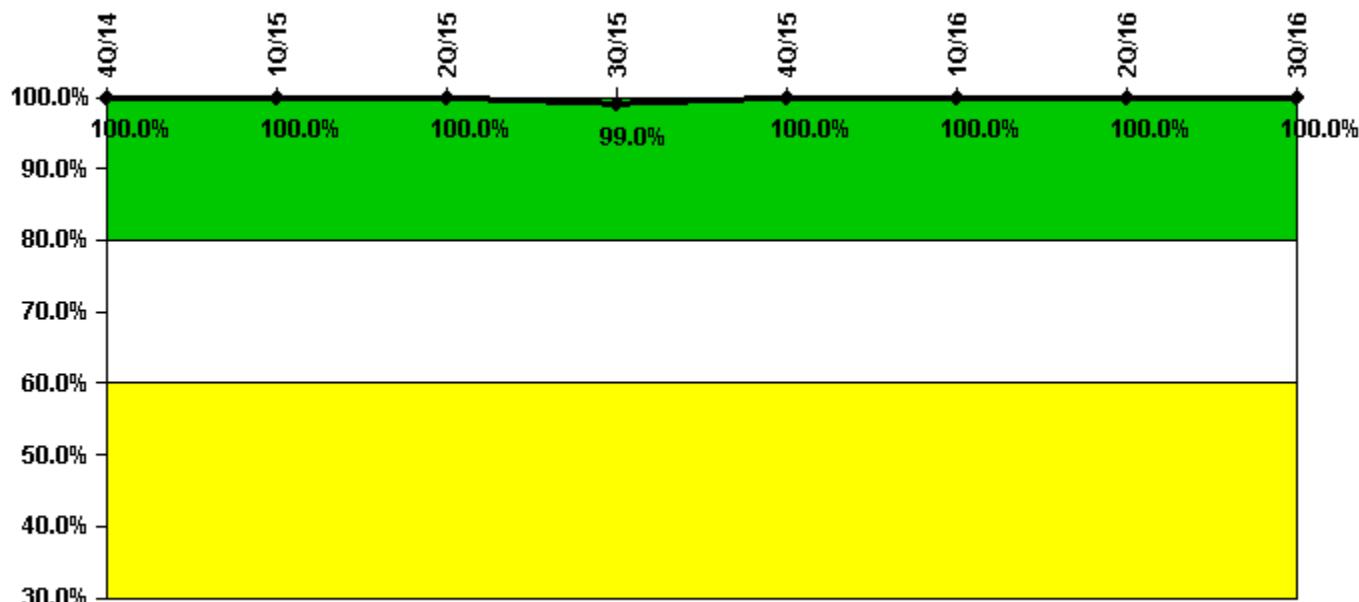
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	85.0	58.0	10.0	58.0	63.0	84.0	74.0	107.0
Total opportunities	86.0	58.0	10.0	58.0	64.0	84.0	75.0	108.0
Indicator value	98.7%	99.0%	98.9%	99.4%	99.2%	99.5%	99.4%	99.3%

Licensee Comments: none

ERO Drill Participation



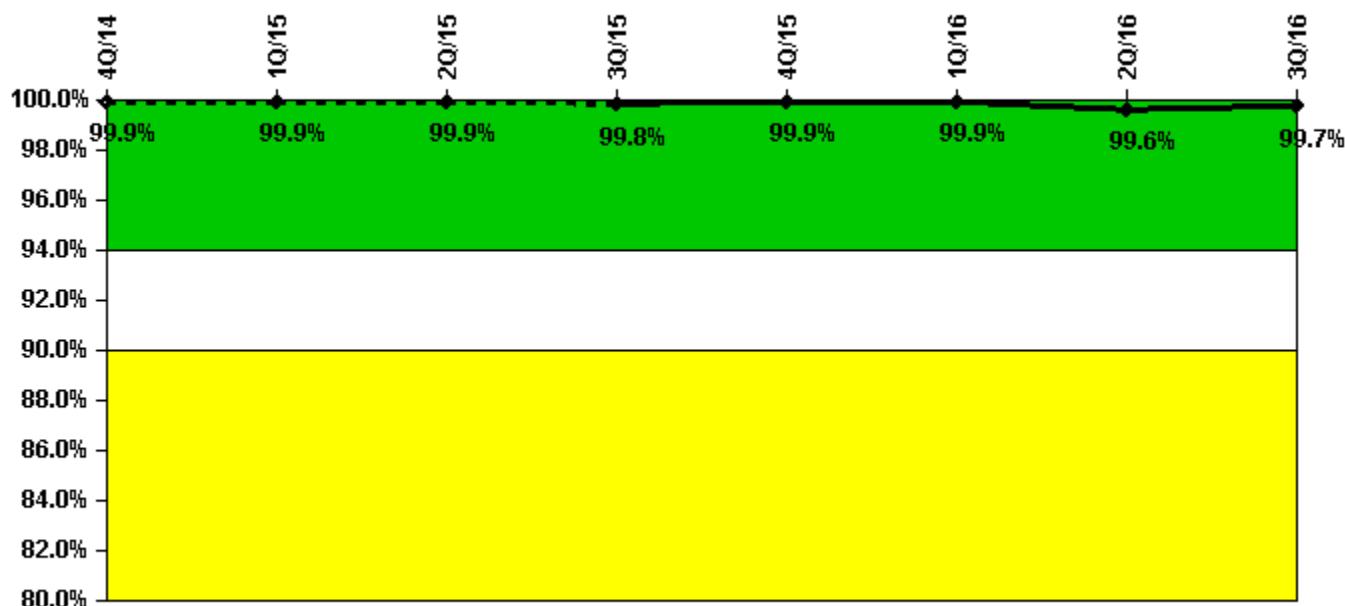
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	92.0	95.0	96.0	95.0	99.0	96.0	97.0	99.0
Total Key personnel	92.0	95.0	96.0	96.0	99.0	96.0	97.0	99.0
Indicator value	100.0%	100.0%	100.0%	99.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



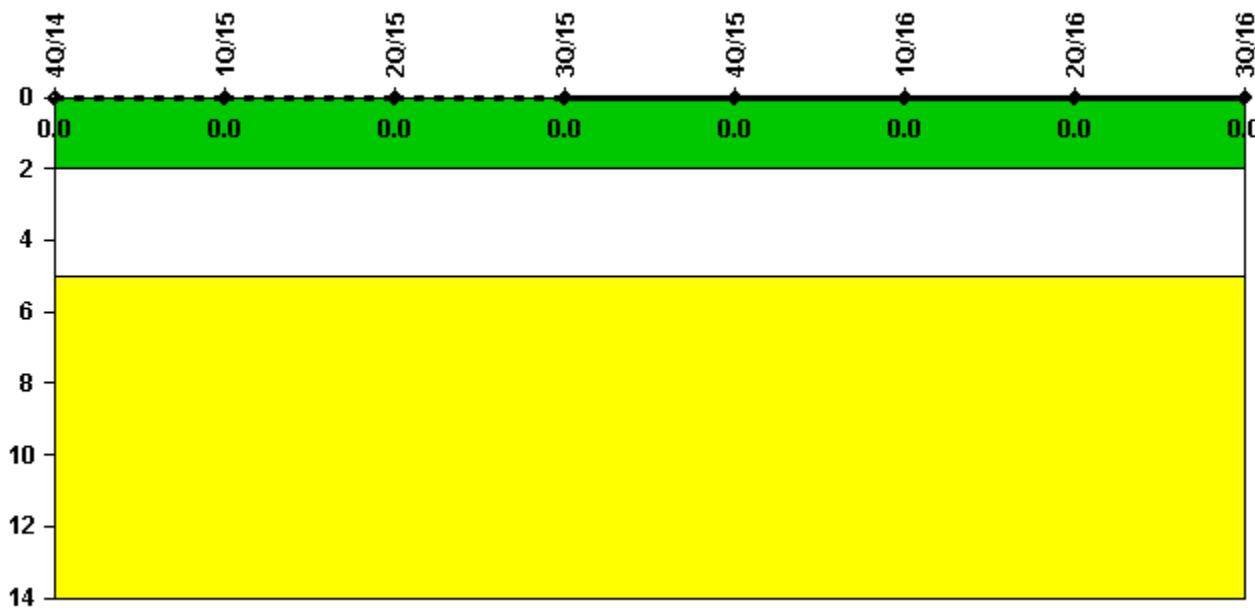
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	903	1017	791	1012	791	1017	780	903
Total sirens-tests	904	1017	791	1017	791	1017	791	904
Indicator value	99.9%	99.9%	99.9%	99.8%	99.9%	99.9%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



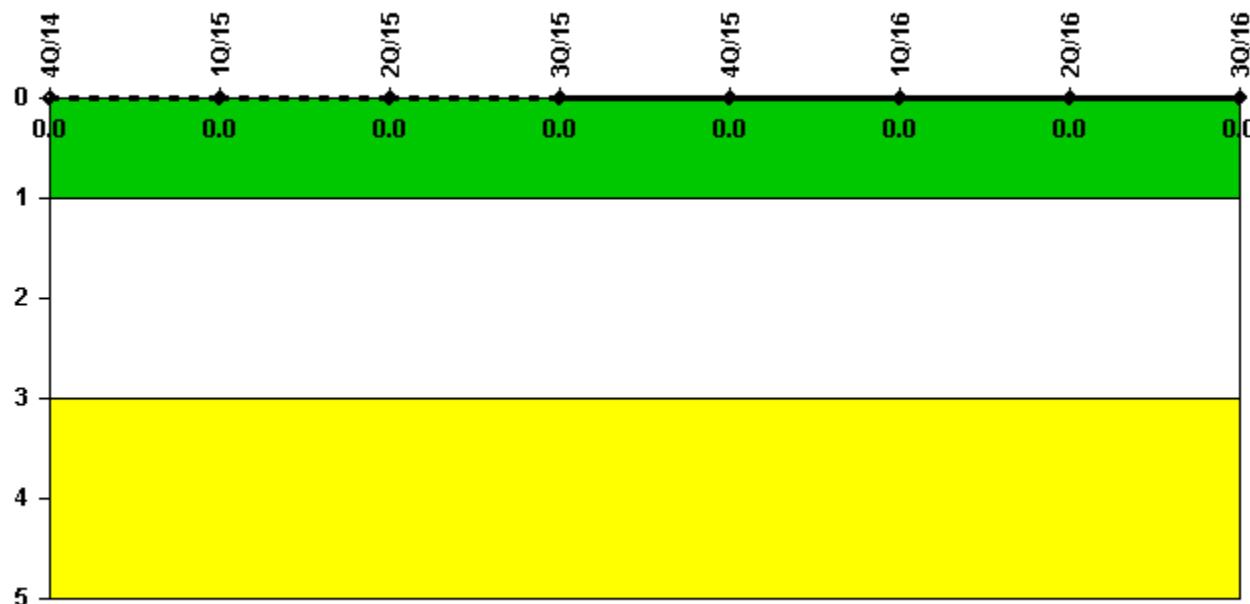
Thresholds: White > 2.0 Yellow > 5.0

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

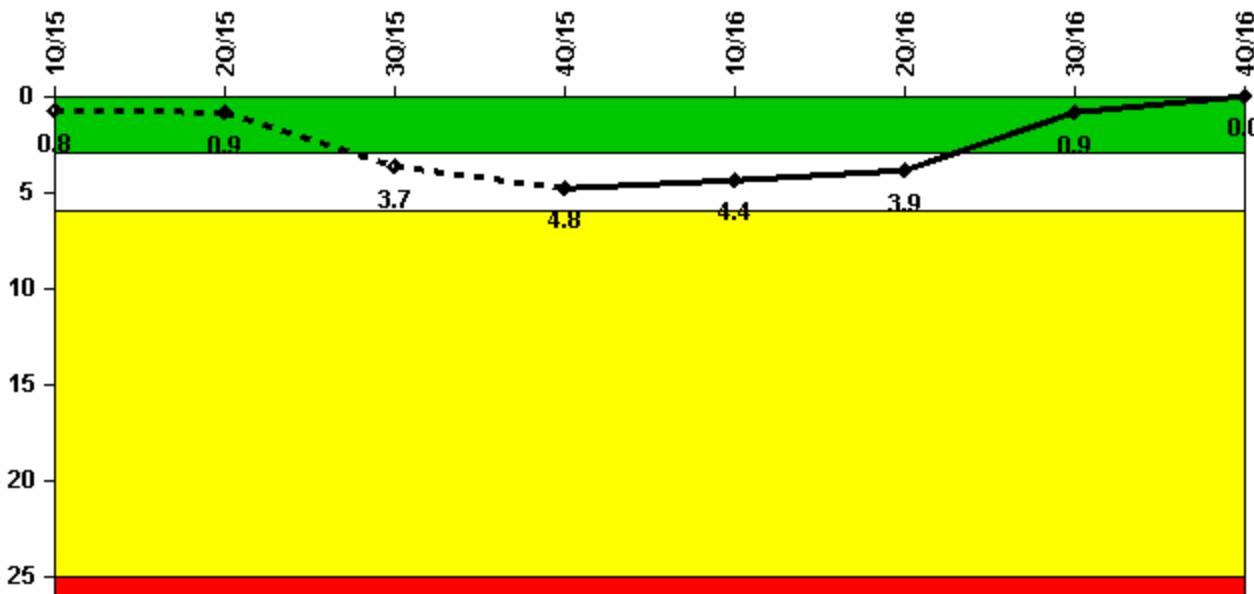
Sequoyah 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

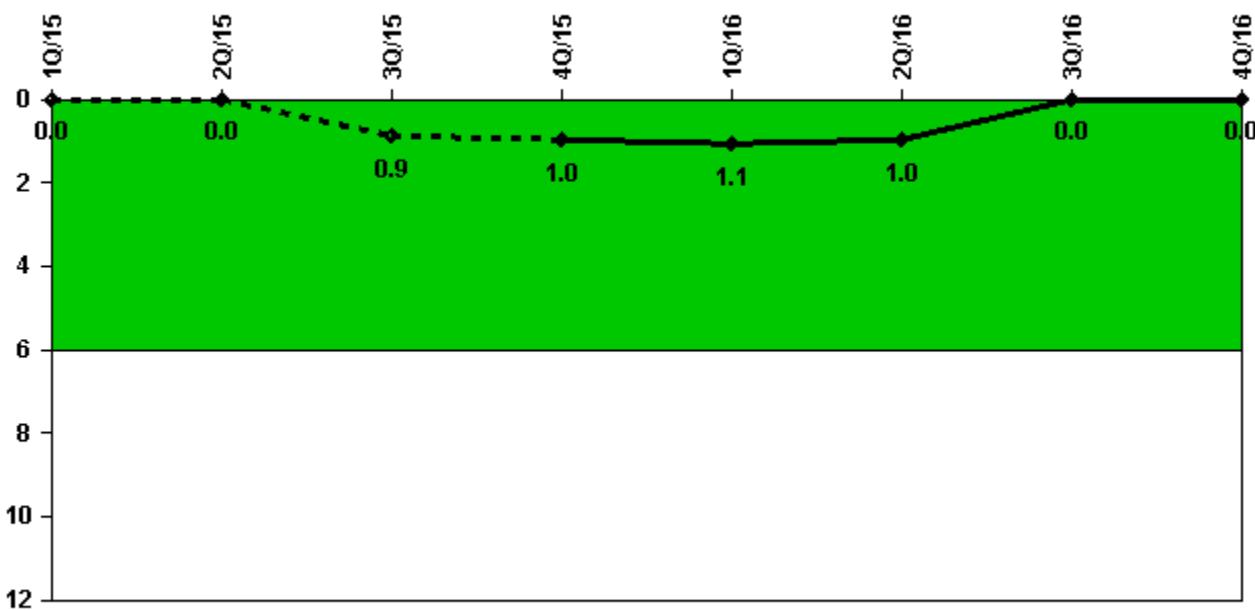


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	1.0	0	0	0	0
Critical hours	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0	2208.0	1345.4
Indicator value	0.8	0.9	3.7	4.8	4.4	3.9	0.9	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

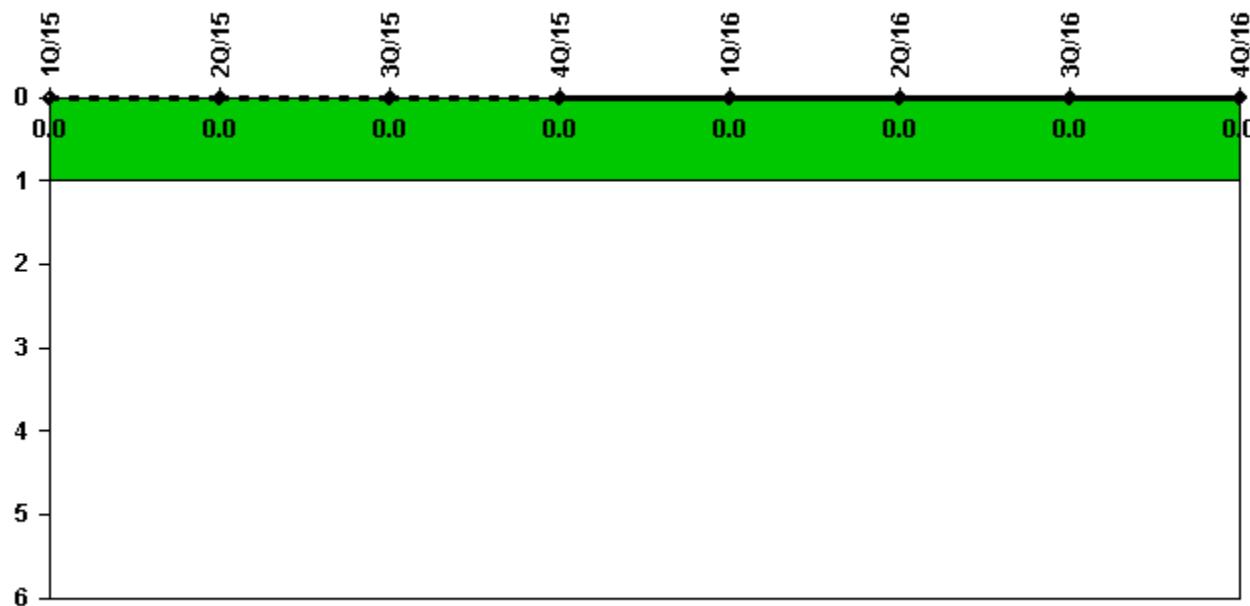
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2086.6	1357.5	1821.5	2041.5	1121.2	2184.0	2208.0	1345.4
Indicator value	0	0	0.9	1.0	1.1	1.0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



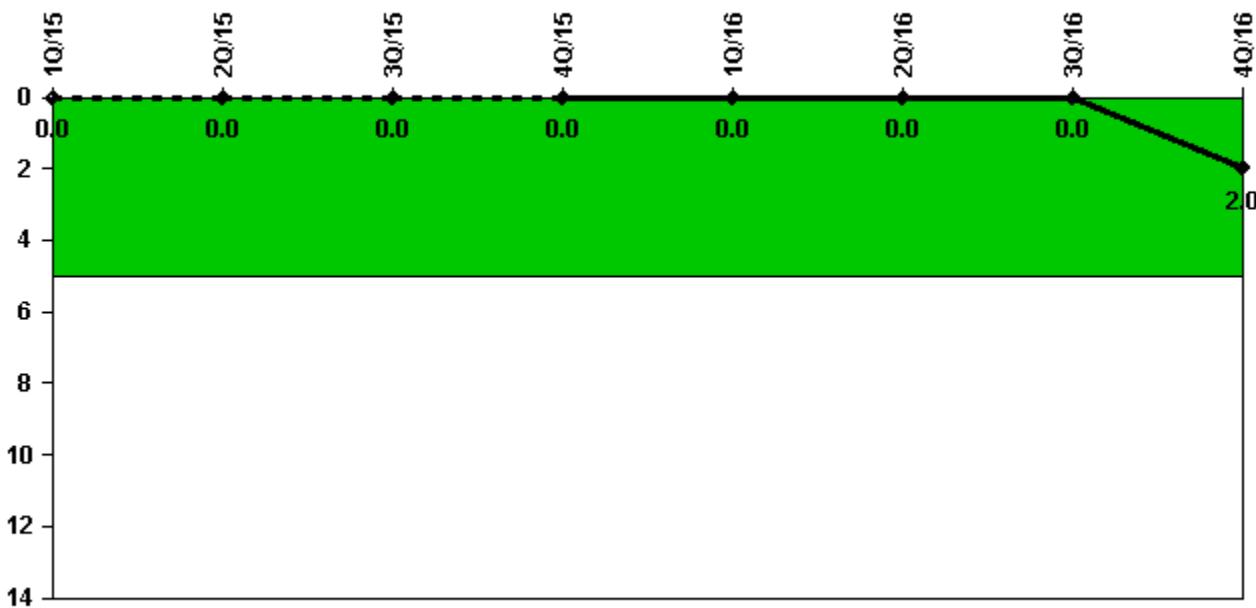
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

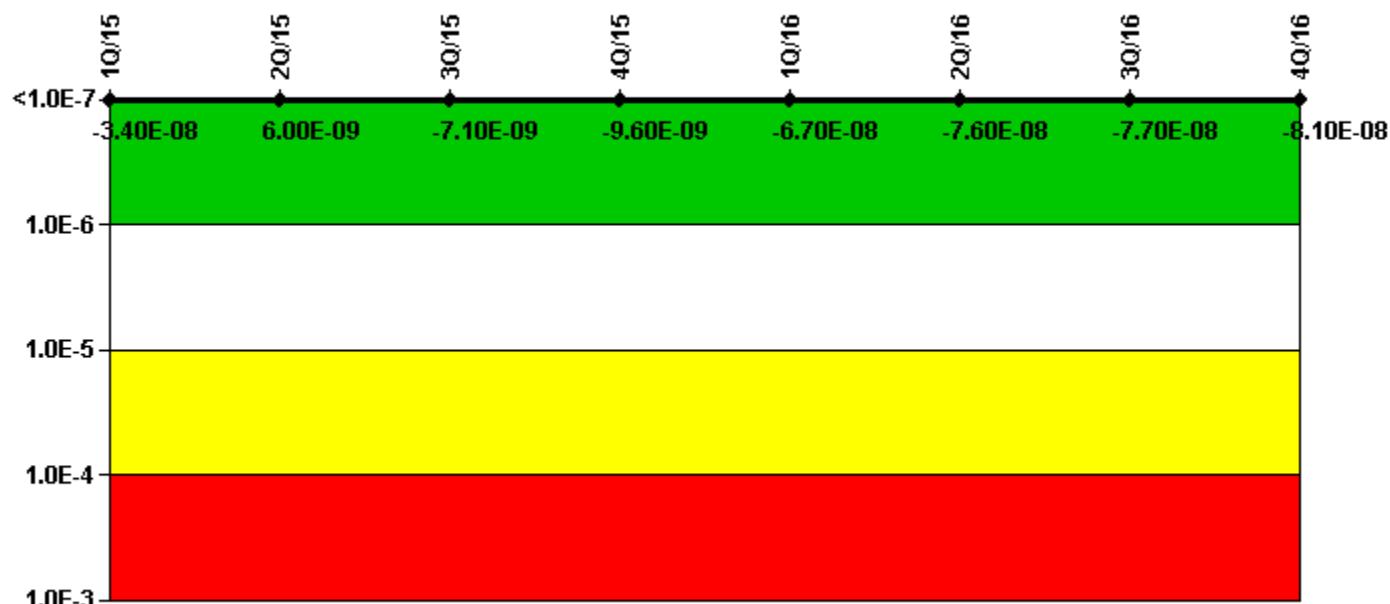
Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	2
Indicator value	0	2						

Licensee Comments:

4Q/16: LER 327/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 327/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

Mitigating Systems Performance Index, Emergency AC Power System



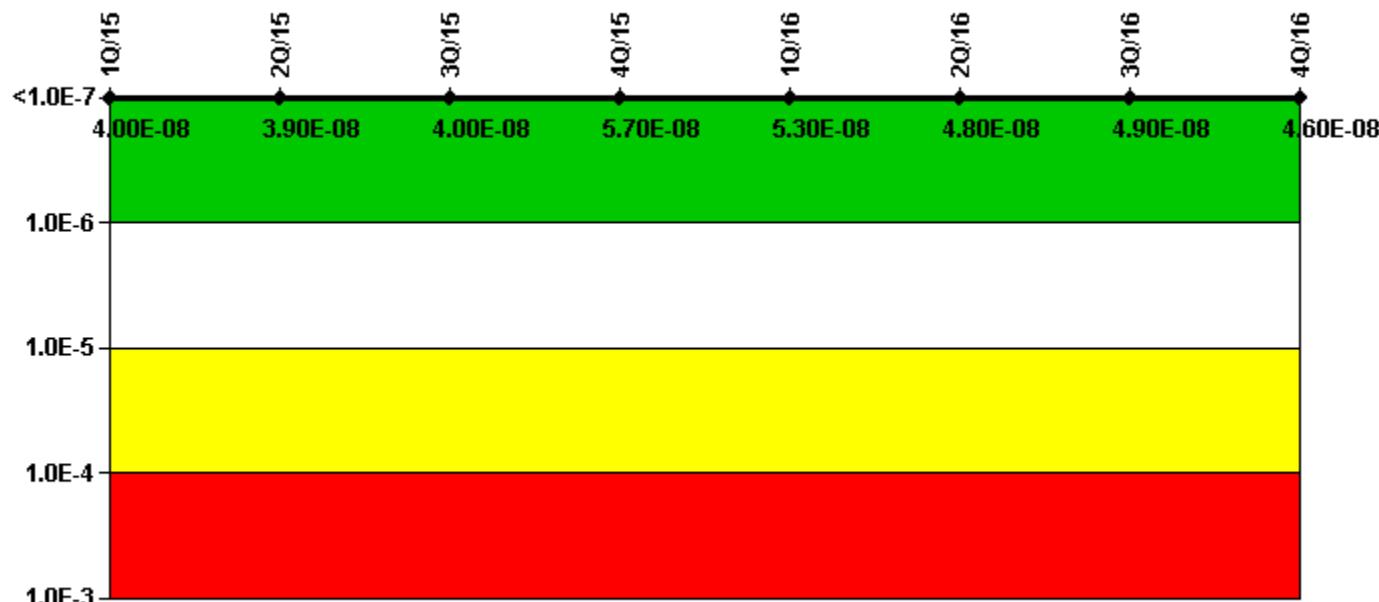
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	8.49E-09	1.86E-08	1.35E-08	1.17E-08	5.91E-09	-1.63E-09	-4.40E-09	-3.95E-09
URI (Δ CDF)	-4.30E-08	-1.26E-08	-2.06E-08	-2.13E-08	-7.28E-08	-7.41E-08	-7.25E-08	-7.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.40E-08	6.00E-09	-7.10E-09	-9.60E-09	-6.70E-08	-7.60E-08	-7.70E-08	-8.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



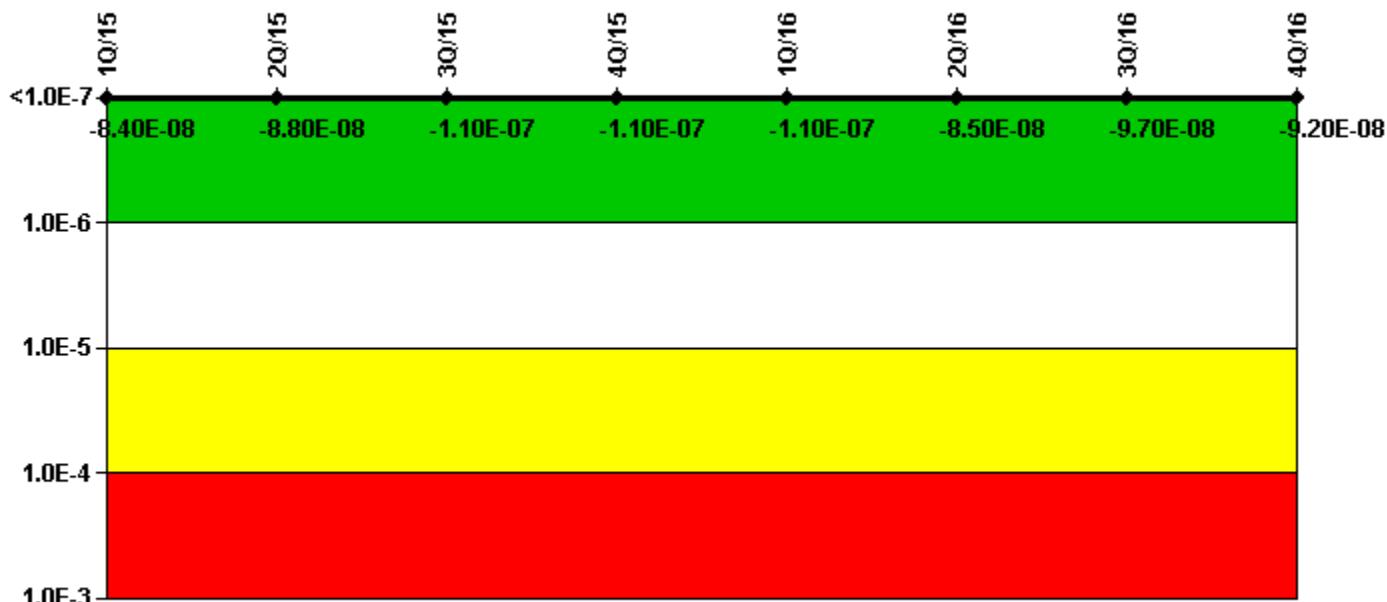
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	3.30E-08	3.21E-08	3.24E-08	4.05E-08	3.63E-08	3.14E-08	3.28E-08	2.92E-08
URI (Δ CDF)	7.22E-09	7.22E-09	7.22E-09	1.67E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08
PLE	NO							
Indicator value	4.00E-08	3.90E-08	4.00E-08	5.70E-08	5.30E-08	4.80E-08	4.90E-08	4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



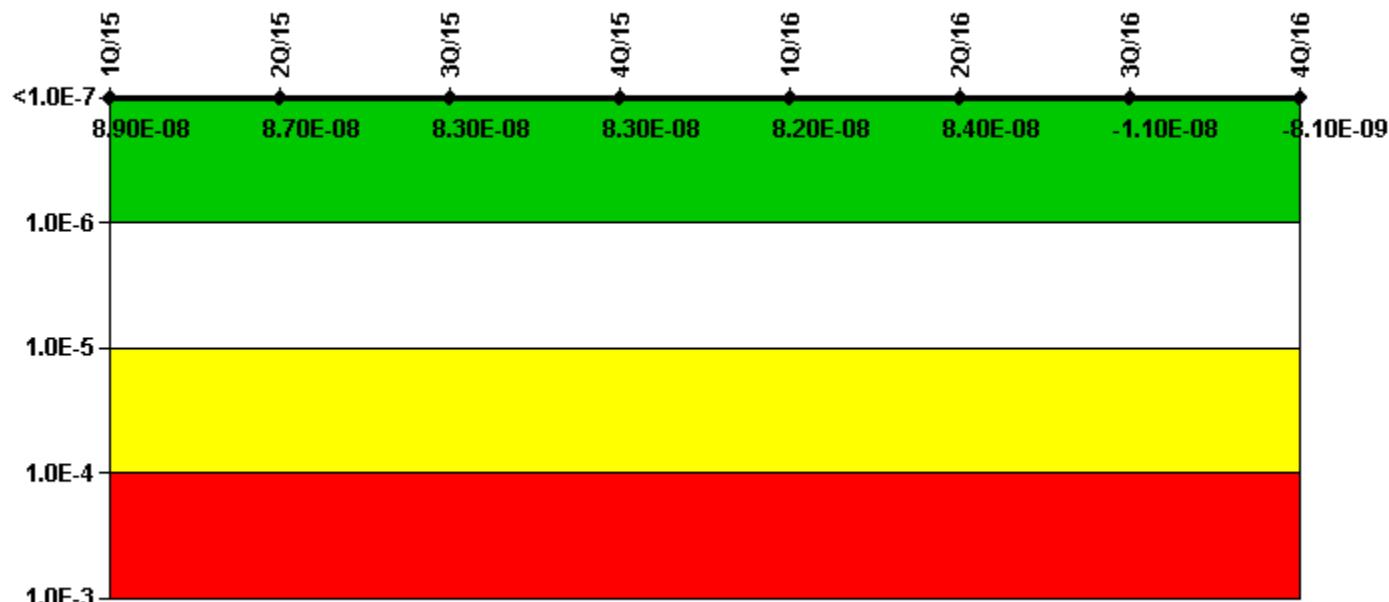
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	6.79E-09	4.45E-09	-1.07E-08	-1.13E-08	-5.57E-09	1.64E-08	4.68E-09	1.03E-08
URI (Δ CDF)	-9.08E-08	-9.20E-08	-9.95E-08	-1.01E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.03E-07
PLE	NO							
Indicator value	-8.40E-08	-8.80E-08	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08	-9.70E-08	-9.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



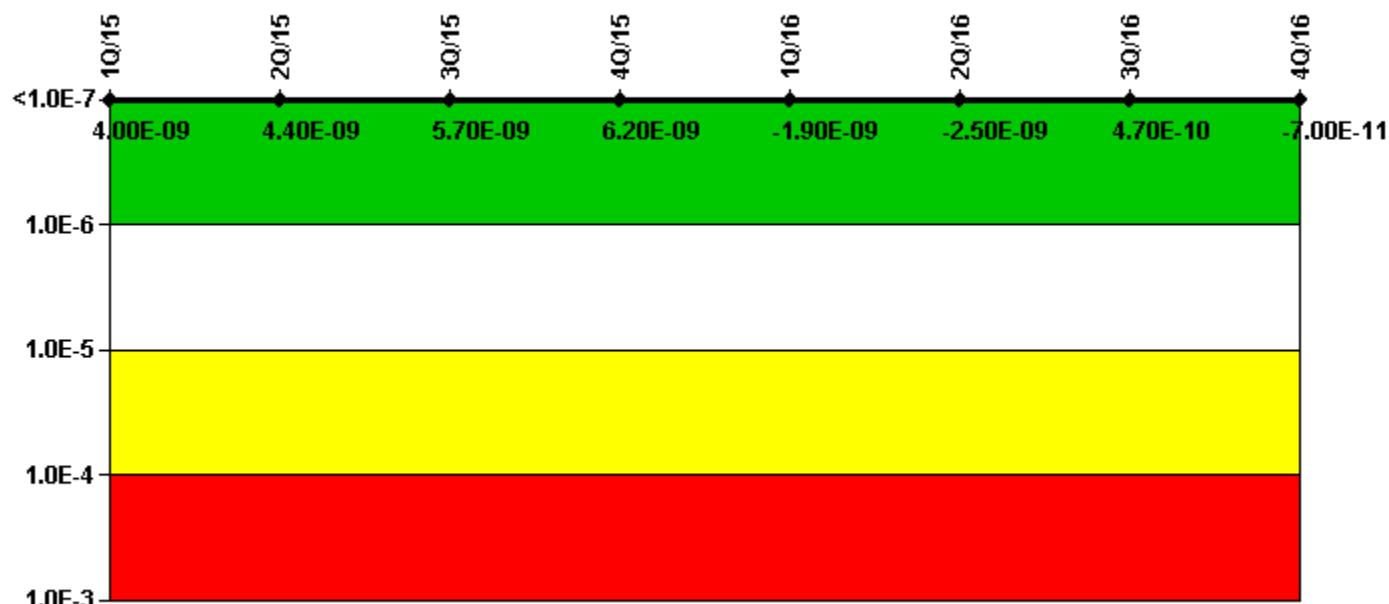
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	2.17E-08	2.12E-08	1.85E-08	1.82E-08	1.78E-08	1.91E-08	1.17E-08	1.47E-08
URI (Δ CDF)	6.74E-08	6.61E-08	6.48E-08	6.48E-08	6.45E-08	6.45E-08	-2.28E-08	-2.28E-08
PLE	NO	NO						
Indicator value	8.90E-08	8.70E-08	8.30E-08	8.30E-08	8.20E-08	8.40E-08	-1.10E-08	-8.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



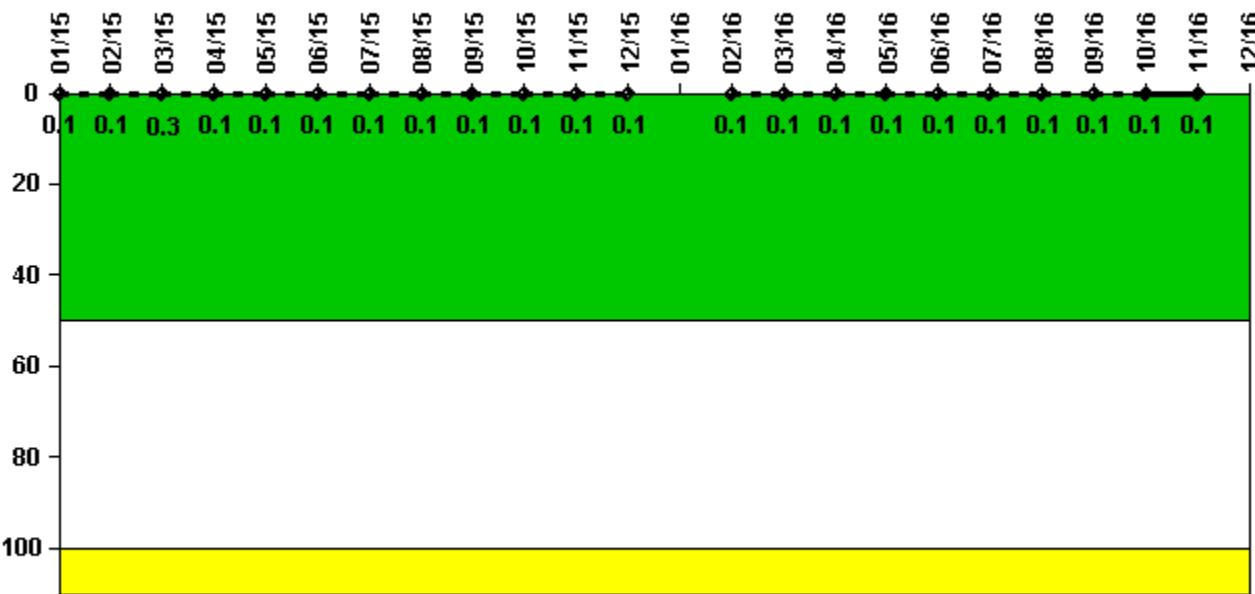
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	1.17E-08	1.21E-08	1.34E-08	1.39E-08	5.76E-09	5.23E-09	8.15E-09	7.61E-09
URI (Δ CDF)	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-09	4.40E-09	5.70E-09	6.20E-09	-1.90E-09	-2.50E-09	4.70E-10	-7.00E-11

Licensee Comments: none

Reactor Coolant System Activity



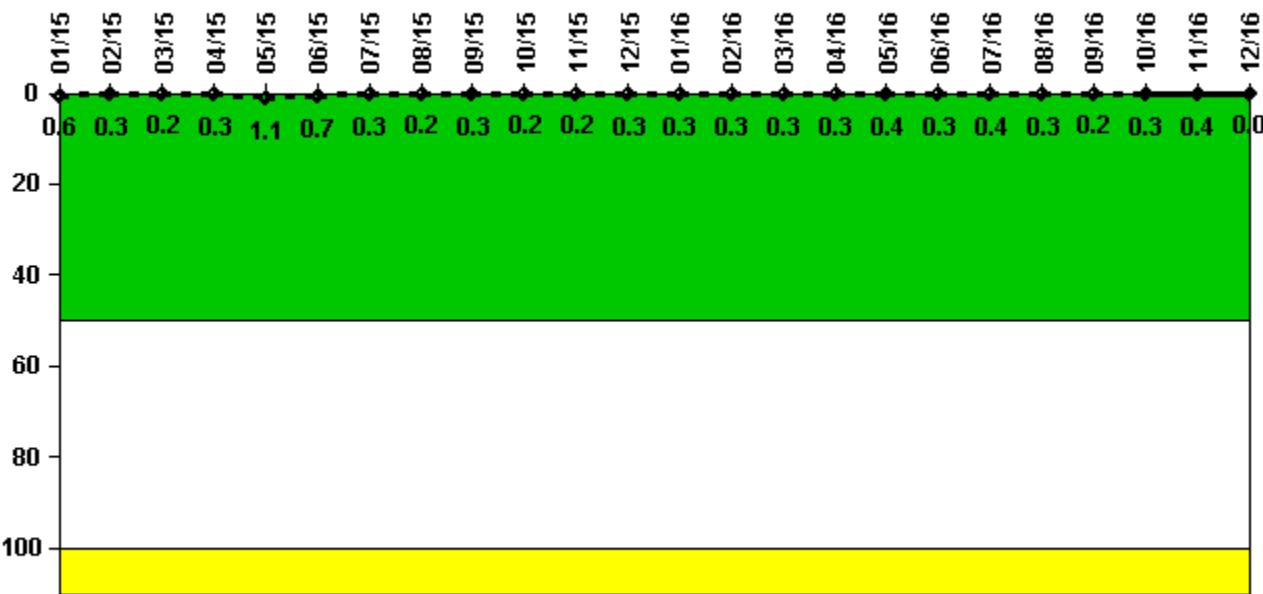
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000418	0.000460	0.001078	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	N/A	0.000319	0.000321	0.000380	0.000351	0.000400	0.000423	0.000395	0.000372	0.000412	0.000438	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A

Licensee Comments: none

Reactor Coolant System Leakage

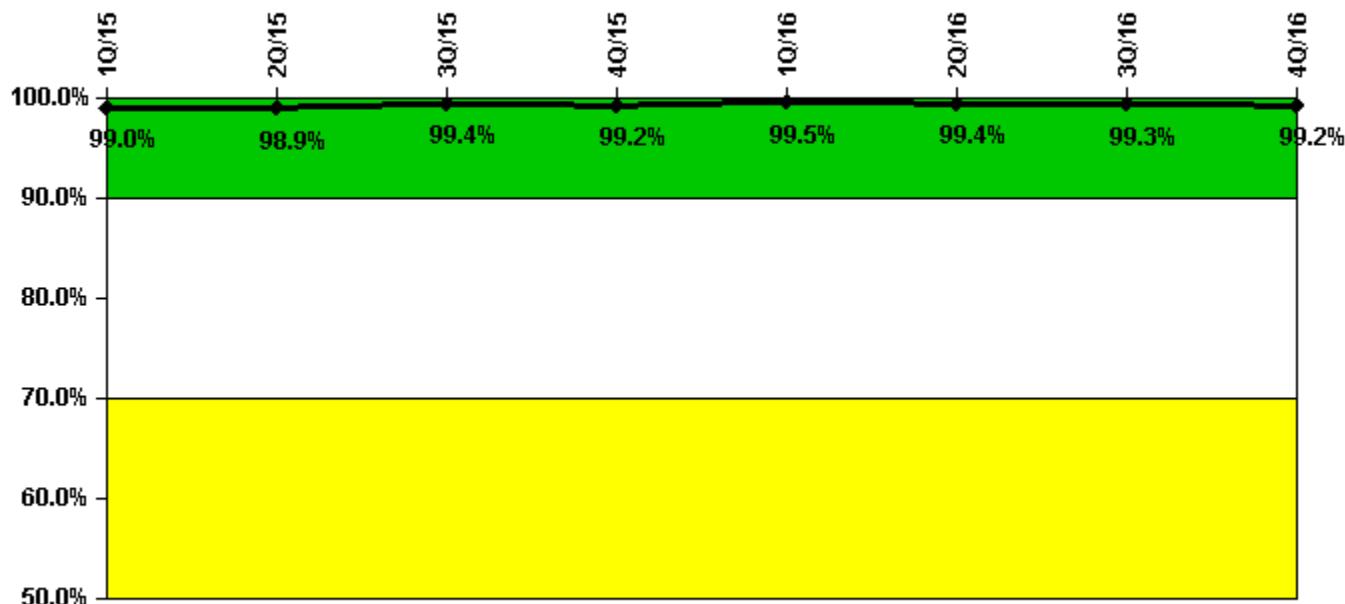


Thresholds: White > 50.0 Yellow > 100.0

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	0.060	0.030	0.020	0.030	0.110	0.070	0.030	0.020	0.030	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.3	0.2	0.3	1.1	0.7	0.3	0.2	0.3	0.2	0.2	0.3
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	0.030	0.030	0.030	0.030	0.040	0.030	0.040	0.030	0.020	0.030	0.040	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0

Licensee Comments: none

Drill/Exercise Performance

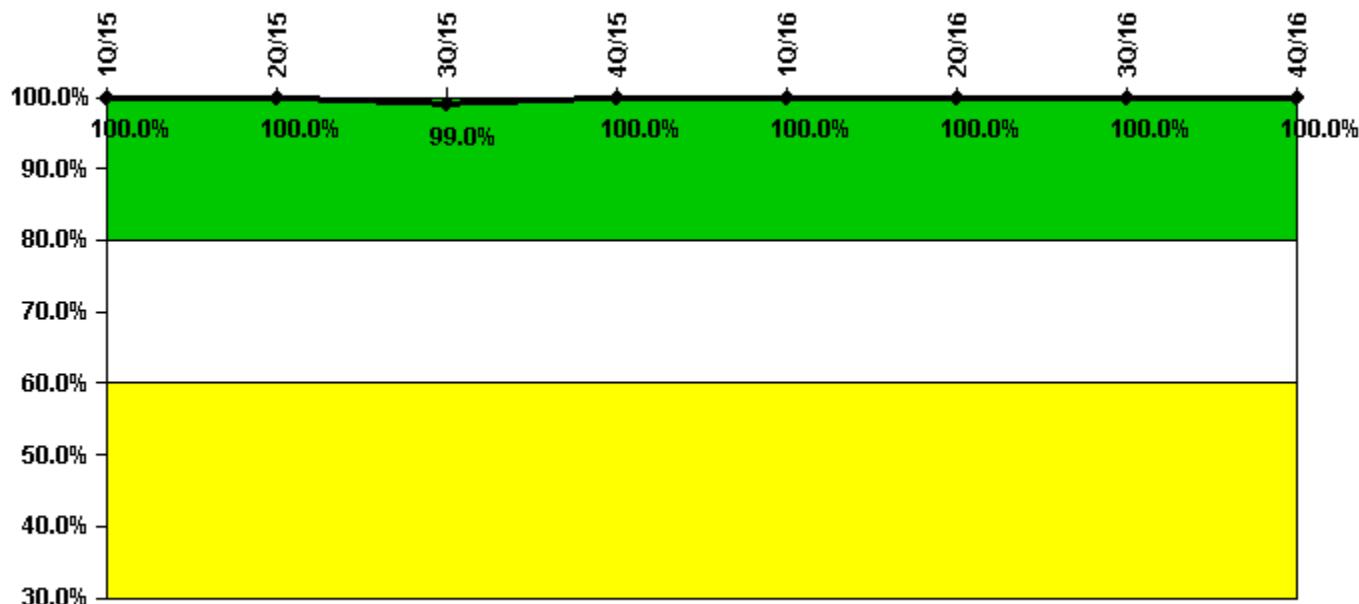
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	58.0	10.0	58.0	63.0	84.0	74.0	107.0	20.0
Total opportunities	58.0	10.0	58.0	64.0	84.0	75.0	108.0	21.0
Indicator value	99.0%	98.9%	99.4%	99.2%	99.5%	99.4%	99.3%	99.2%

Licensee Comments: none

ERO Drill Participation



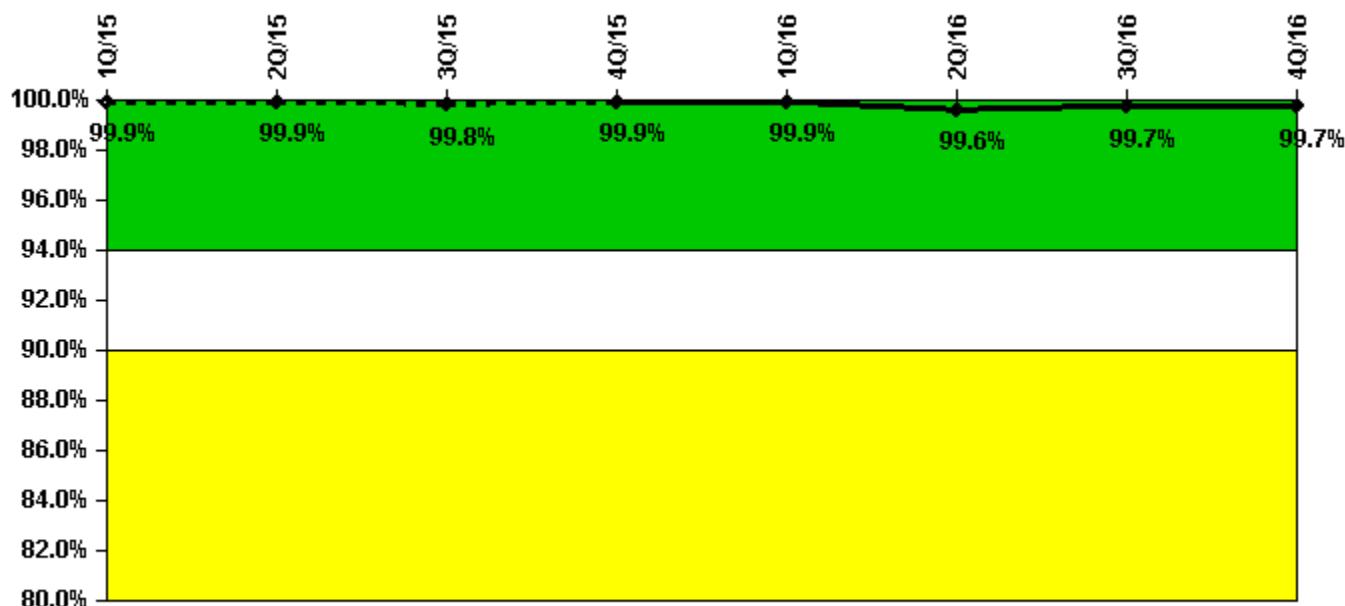
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	95.0	96.0	95.0	99.0	96.0	97.0	99.0	97.0
Total Key personnel	95.0	96.0	96.0	99.0	96.0	97.0	99.0	97.0
Indicator value	100.0%	100.0%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



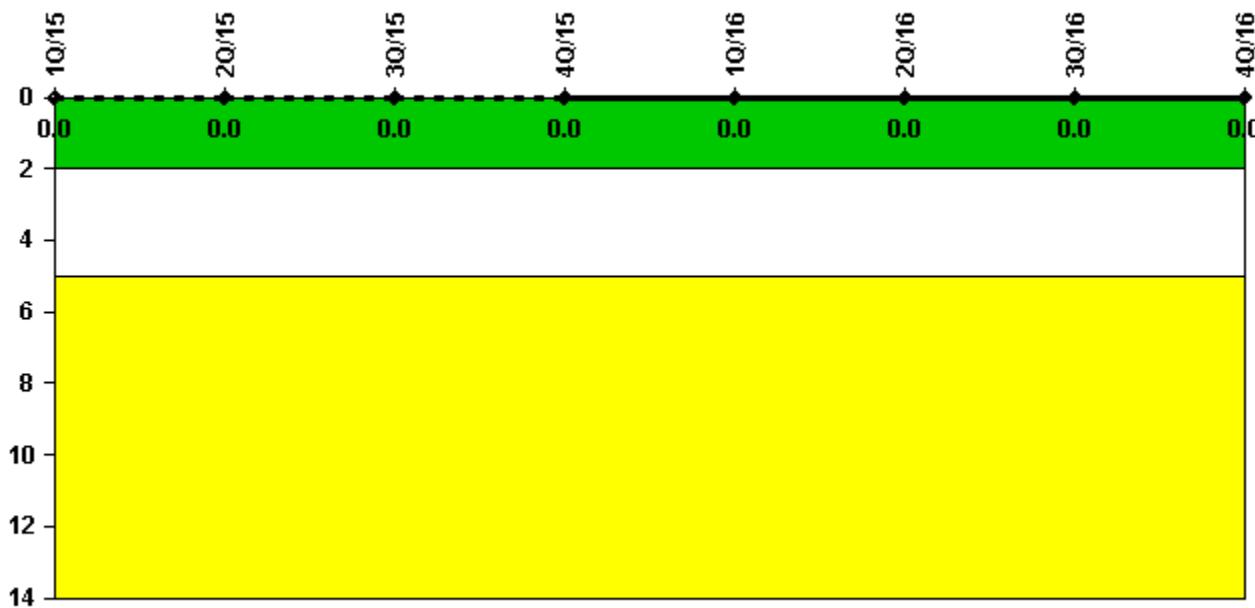
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	1017	791	1012	791	1017	780	903	904
Total sirens-tests	1017	791	1017	791	1017	791	904	904
Indicator value	99.9%	99.9%	99.8%	99.9%	99.9%	99.6%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness

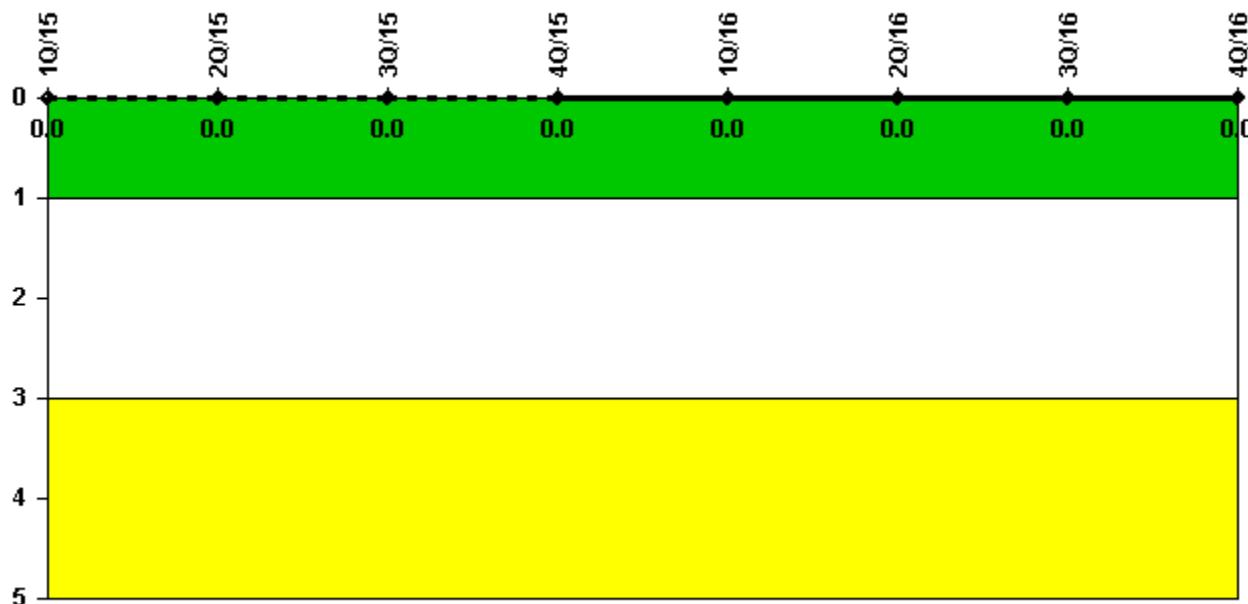


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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 > Sequoyah 1 > Quarterly Performance Indicators

Sequoyah 1 – Quarterly Performance Indicators

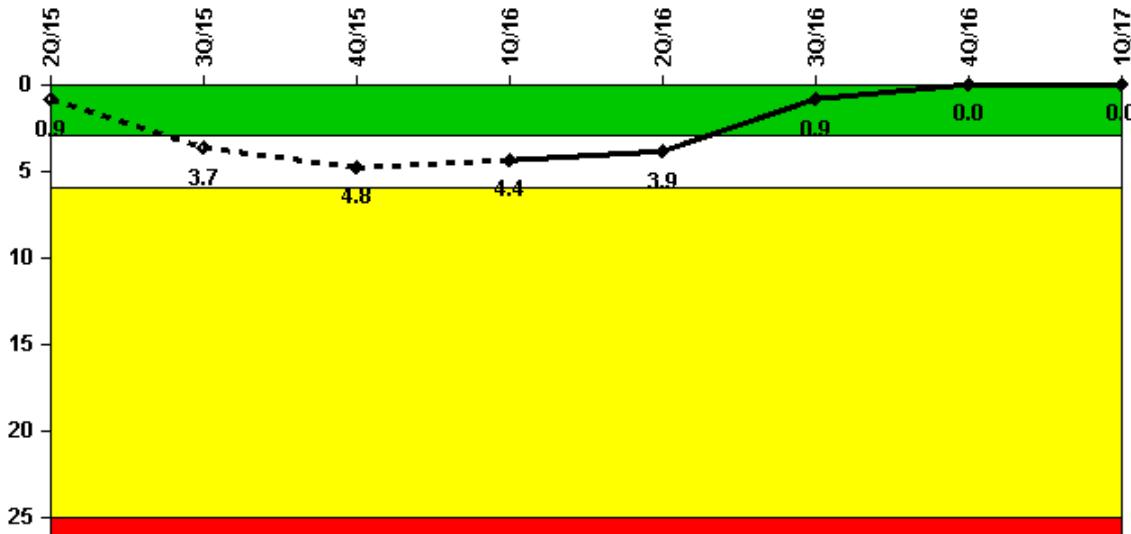
1Q/2017 Performance Indicators

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**

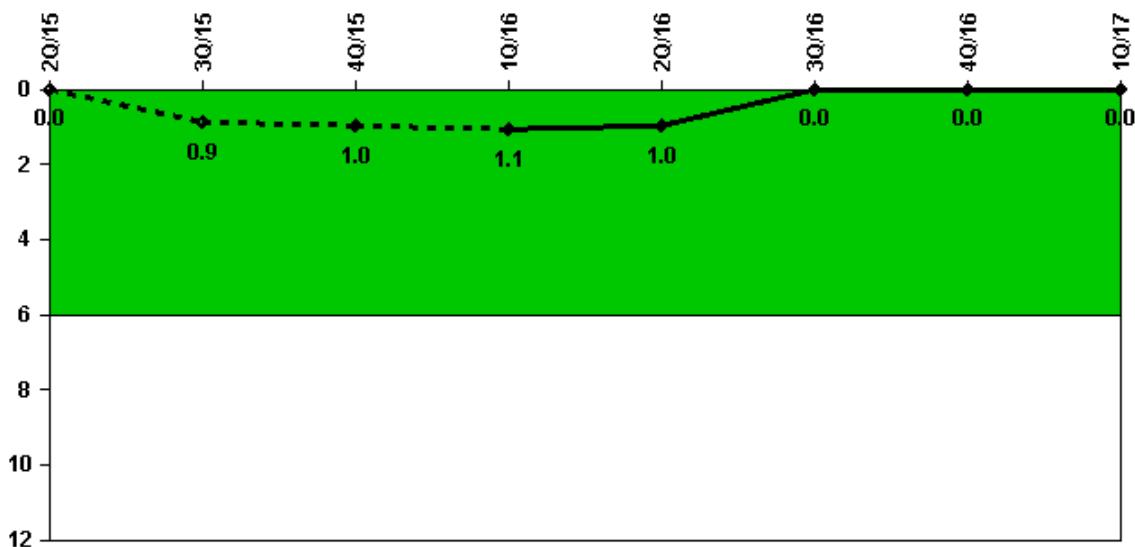
Unplanned scrams 0 3.0 1.0 0 0 0 0 0

Critical hours 1357.5 1821.5 2041.5 1121.2 2184.0 2208.0 1345.4 2159.0

Indicator value 0.9 3.7 4.8 4.4 3.9 0.9 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
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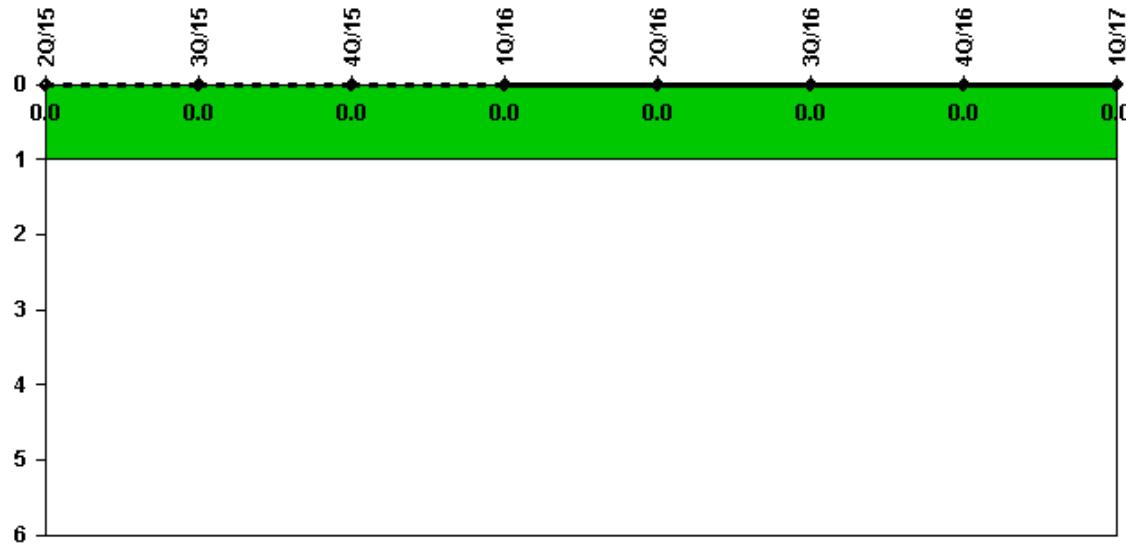
Unplanned power changes	0	1.0	0	0	0	0	0	0
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Critical hours	1357.5	1821.5	2041.5	1121.2	2184.0	2208.0	1345.4	2159.0
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Indicator value	0	0.9	1.0	1.1	1.0	0	0	0
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Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

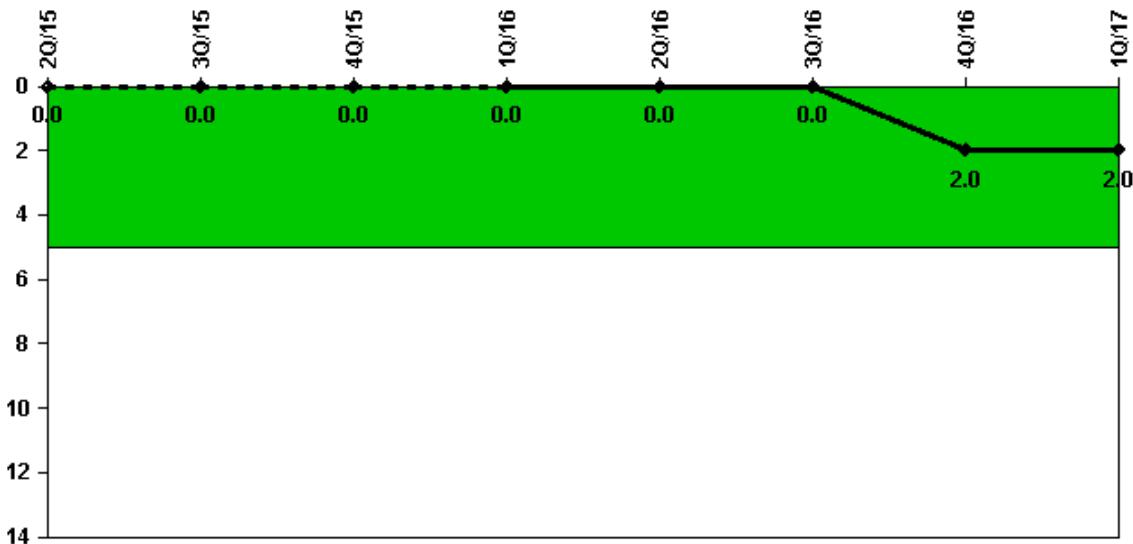
Notes

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 0 0 2 0

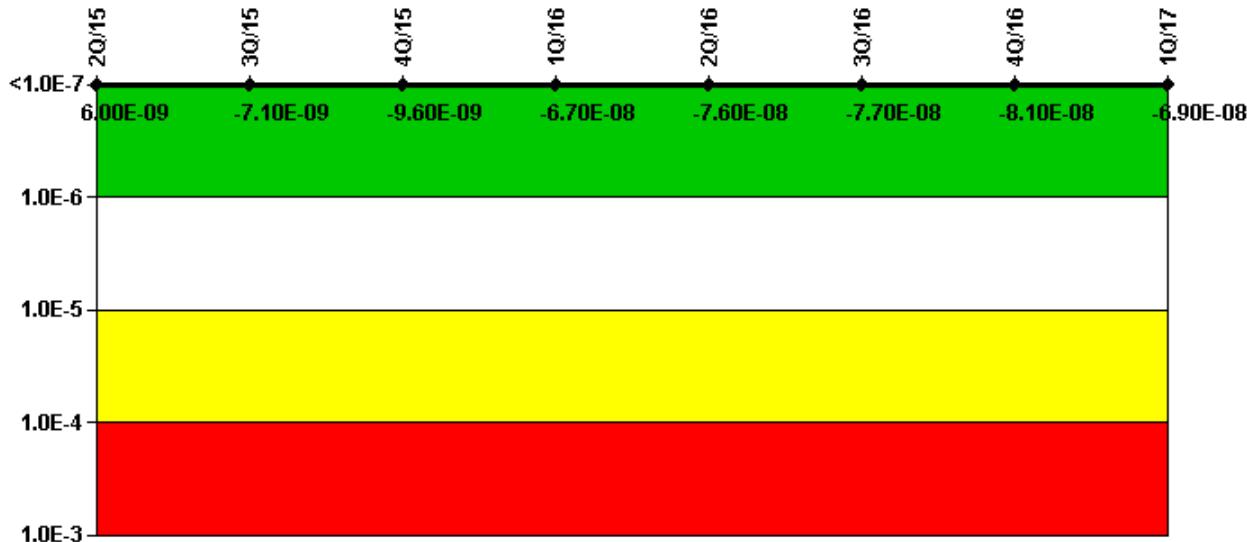
Indicator value 0 0 0 0 0 0 2 2

TOP

Licensee Comments:

4Q/16: LER 327/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria.
 LER 327/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

Mitigating Systems Performance Index, Emergency AC Power System



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

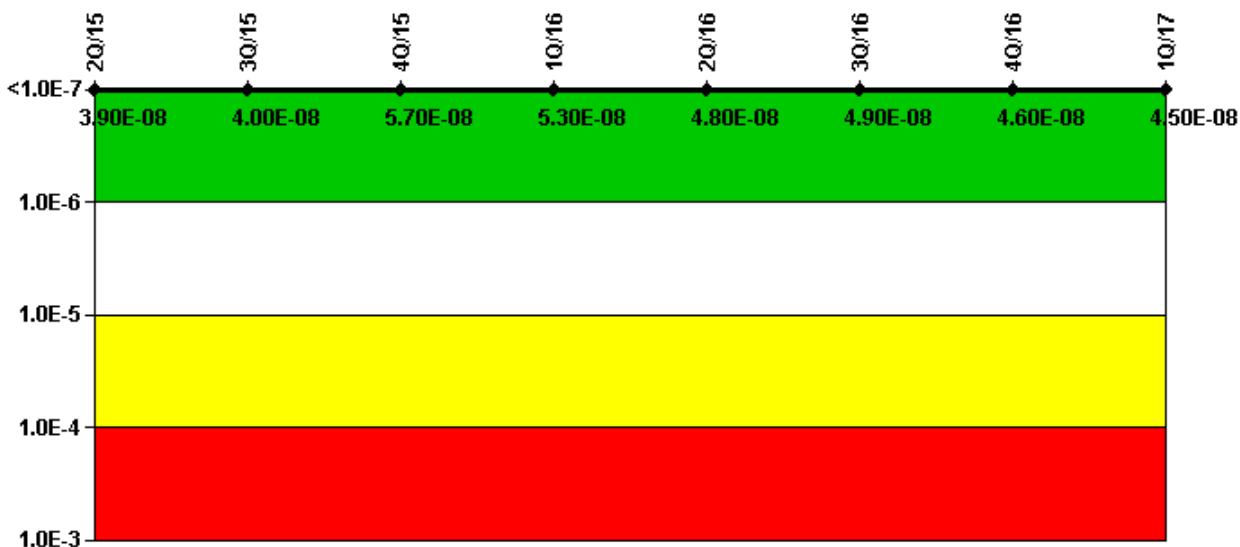
Notes

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)	1.86E-08	1.35E-08	1.17E-08	5.91E-09	-1.63E-09	-4.40E-09	-3.95E-09	7.46E-09
URI (Δ CDF)	-1.26E-08	-2.06E-08	-2.13E-08	-7.28E-08	-7.41E-08	-7.25E-08	-7.67E-08	-7.64E-08
PLE	NO							
Indicator value	6.00E-09	-7.10E-09	-9.60E-09	-6.70E-08	-7.60E-08	-7.70E-08	-8.10E-08	-6.90E-08

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

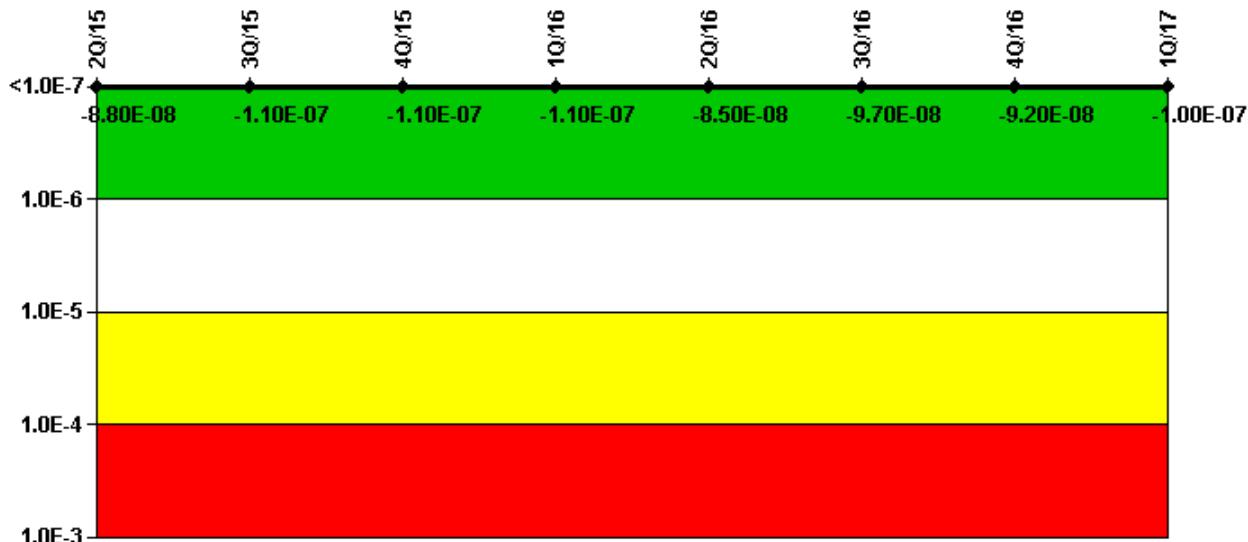
Notes**Mitigating Systems Performance Index, High Pressure Injection System**

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	3.21E-08	3.24E-08	4.05E-08	3.63E-08	3.14E-08	3.28E-08	2.92E-08	2.86E-08
URI (Δ CDF)	7.22E-09	7.22E-09	1.67E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08
PLE	NO							
Indicator value	3.90E-08	4.00E-08	5.70E-08	5.30E-08	4.80E-08	4.90E-08	4.60E-08	4.50E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

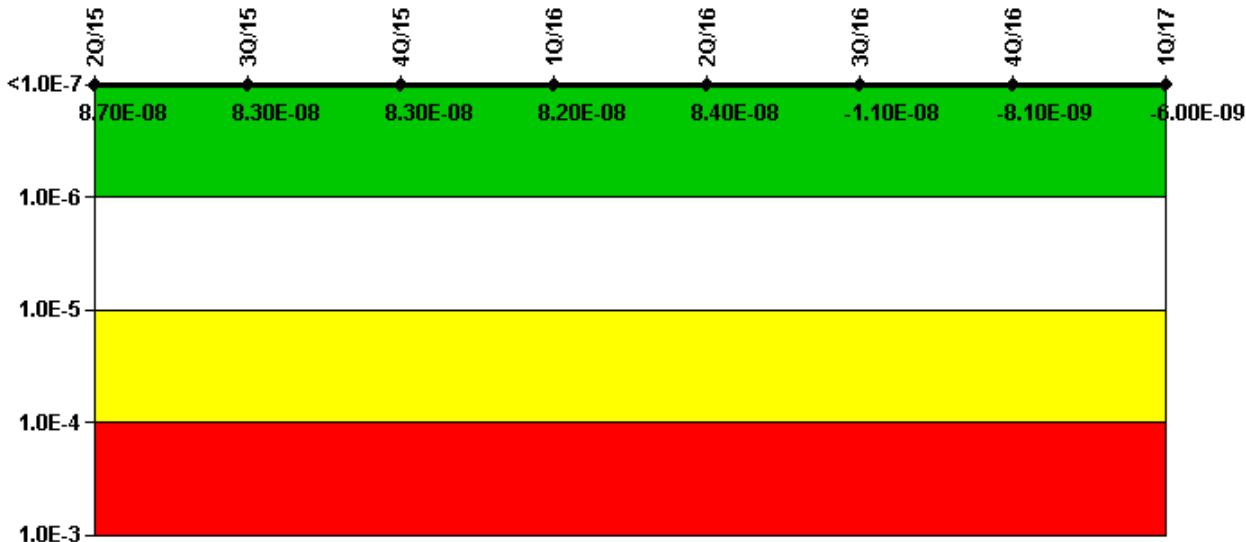
Mitigating Systems Performance Index, Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	4.45E-09	-1.07E-08	-1.13E-08	-5.57E-09	1.64E-08	4.68E-09	1.03E-08	2.99E-09
URI (Δ CDF)	-9.20E-08	-9.95E-08	-1.01E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.03E-07	-1.03E-07
PLE	NO							
Indicator value	-8.80E-08	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08	-9.70E-08	-9.20E-08	-1.00E-07

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	2.12E-08	1.85E-08	1.82E-08	1.78E-08	1.91E-08	1.17E-08	1.47E-08	1.69E-08
URI (Δ CDF)	6.61E-08	6.48E-08	6.48E-08	6.45E-08	6.45E-08	-2.28E-08	-2.28E-08	-2.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	8.30E-08	8.30E-08	8.20E-08	8.40E-08	-1.10E-08	-8.10E-09	-6.00E-09

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

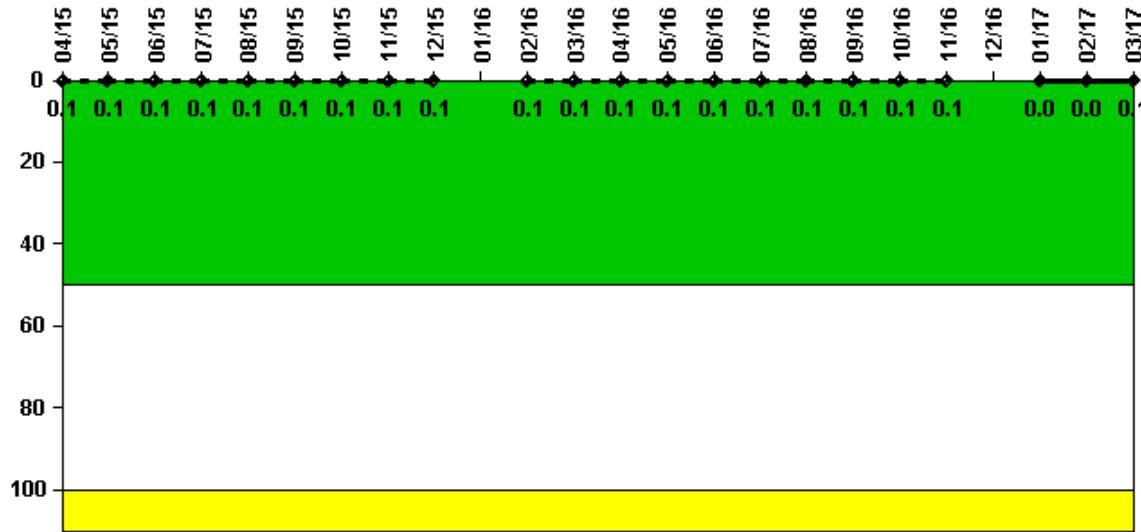
Mitigating Systems Performance Index, Cooling Water Systems

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	1.21E-08	1.34E-08	1.39E-08	5.76E-09	5.23E-09	8.15E-09	7.61E-09	1.18E-08
URI (Δ CDF)	-7.68E-09							
PLE	NO							
Indicator value	4.40E-09	5.70E-09	6.20E-09	-1.90E-09	-2.50E-09	4.70E-10	-7.00E-11	4.10E-09

▲ TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

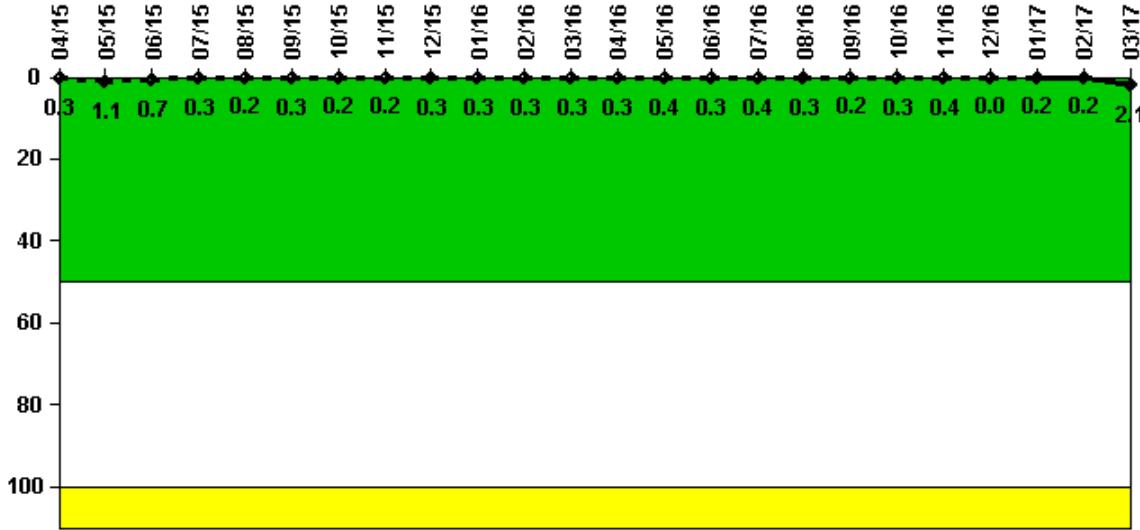
Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000331	0.000181	0.000193	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267	N/A	0.000319	0.000321
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.1	0.1
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	0.000380	0.000351	0.000400	0.000423	0.000395	0.000372	0.000412	0.000438	N/A	0.000155	0.000170	0.000212
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0.1

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	0.030	0.110	0.070	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

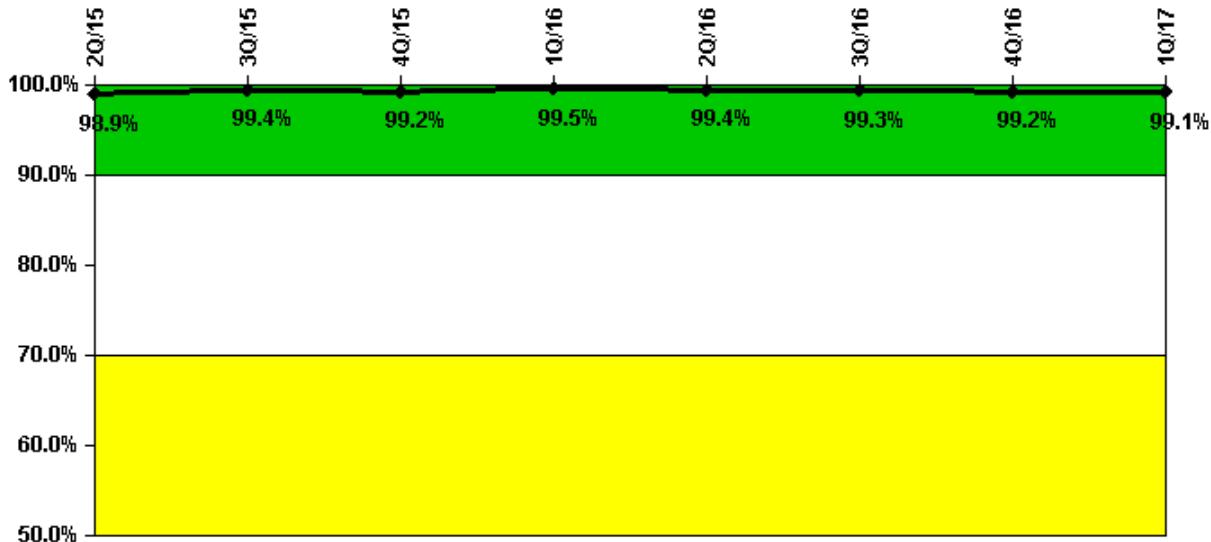
Indicator value	0.3	1.1	0.7	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3
Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.030	0.040	0.030	0.040	0.030	0.020	0.030	0.040	0	0.020	0.020	0.210

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
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Indicator value	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0	0.2	0.2	2.1
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TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

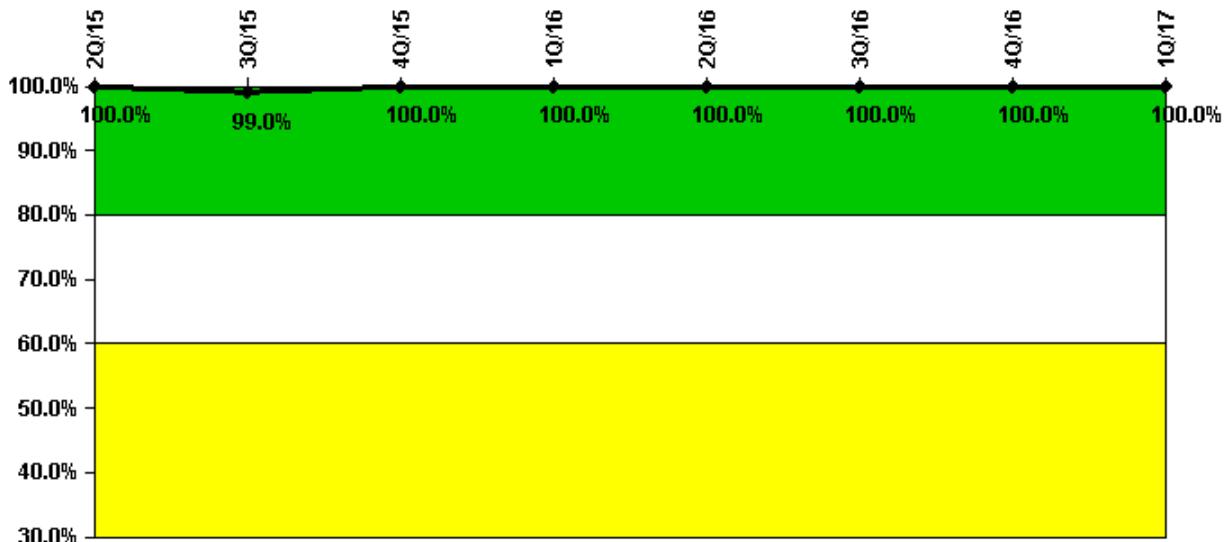
Notes**Drill/Exercise Performance**

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	10.0	58.0	63.0	84.0	74.0	107.0	20.0	28.0
Total opportunities	10.0	58.0	64.0	84.0	75.0	108.0	21.0	28.0

Indicator value **98.9% 99.4% 99.2% 99.5% 99.4% 99.3% 99.2% 99.1%**

▲ TOP

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes**ERO Drill Participation 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17**

Participating Key personnel 96.0 95.0 99.0 96.0 97.0 99.0 97.0 82.0

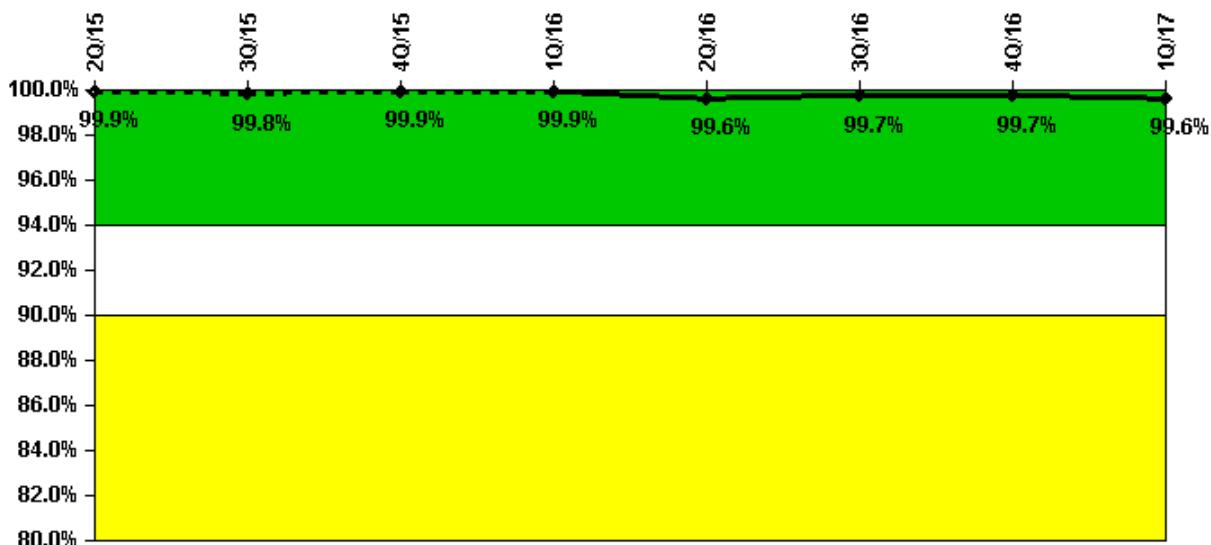
Total Key personnel 96.0 96.0 99.0 96.0 97.0 99.0 97.0 82.0

Indicator value 100.0% 99.0% 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

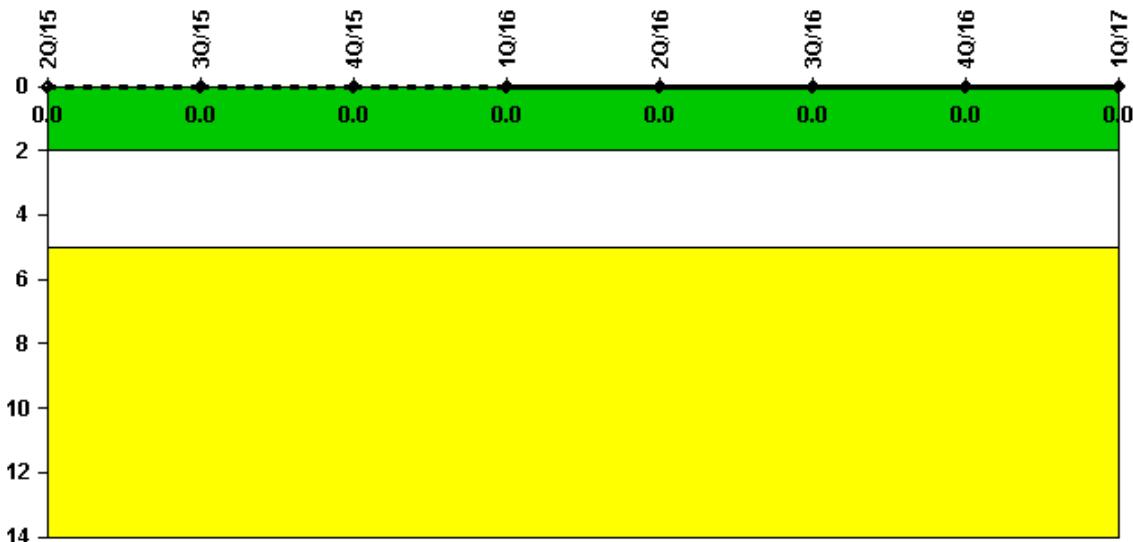
Successful siren-tests 791 1012 791 1017 780 903 904 1016

Total sirens-tests 791 1017 791 1017 791 904 904 1017

Indicator value 99.9% 99.8% 99.9% 99.9% 99.6% 99.7% 99.7% 99.6%

▲ TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

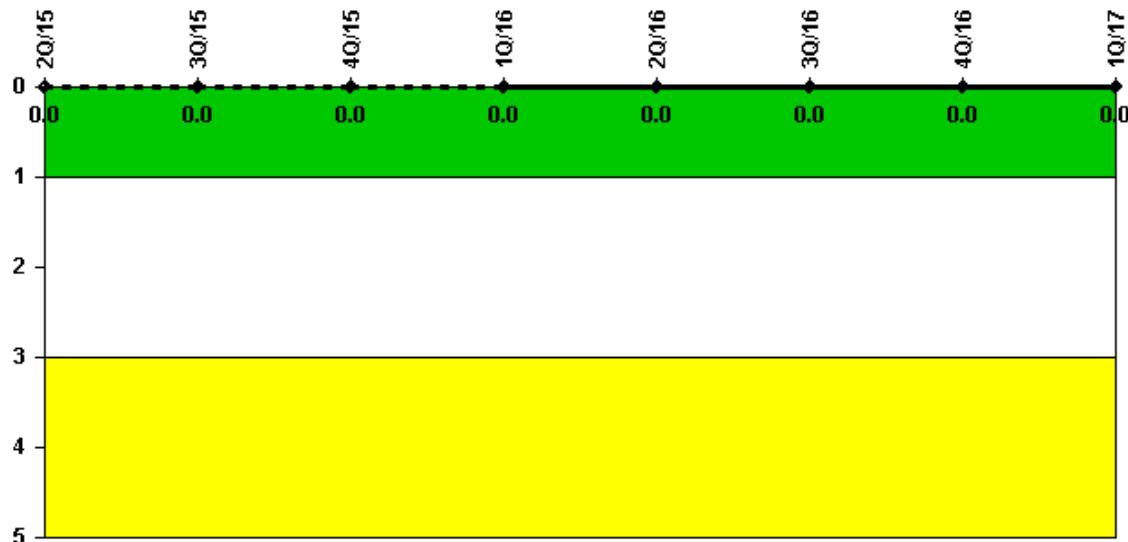
Thresholds: White > 2.0 Yellow > 5.0

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 > Sequoyah 1 > Quarterly Performance Indicators

Sequoyah 1 – Quarterly Performance Indicators

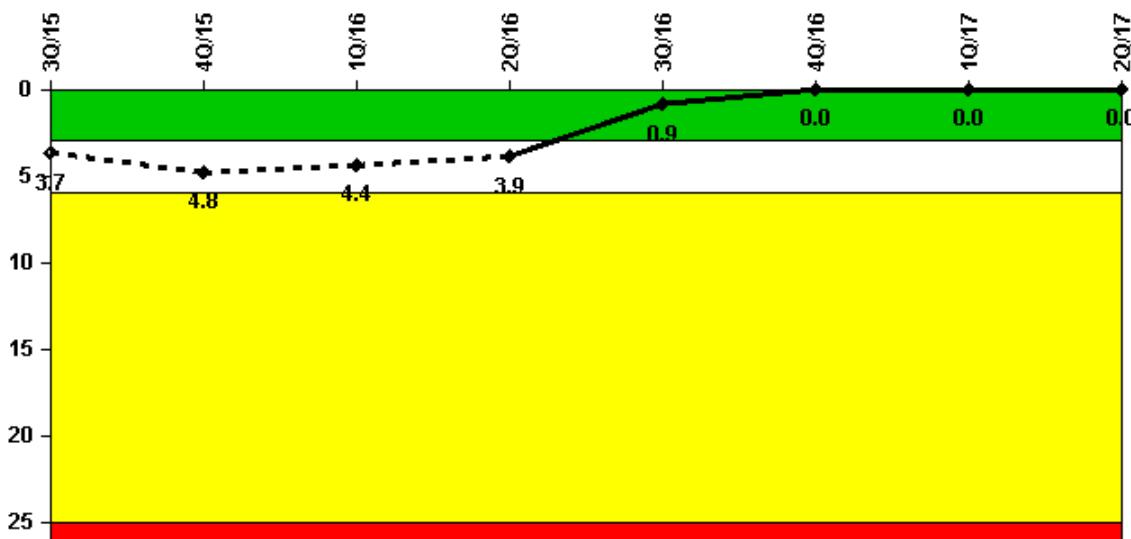
2Q/2017 Performance Indicators

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)
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- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
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- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

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
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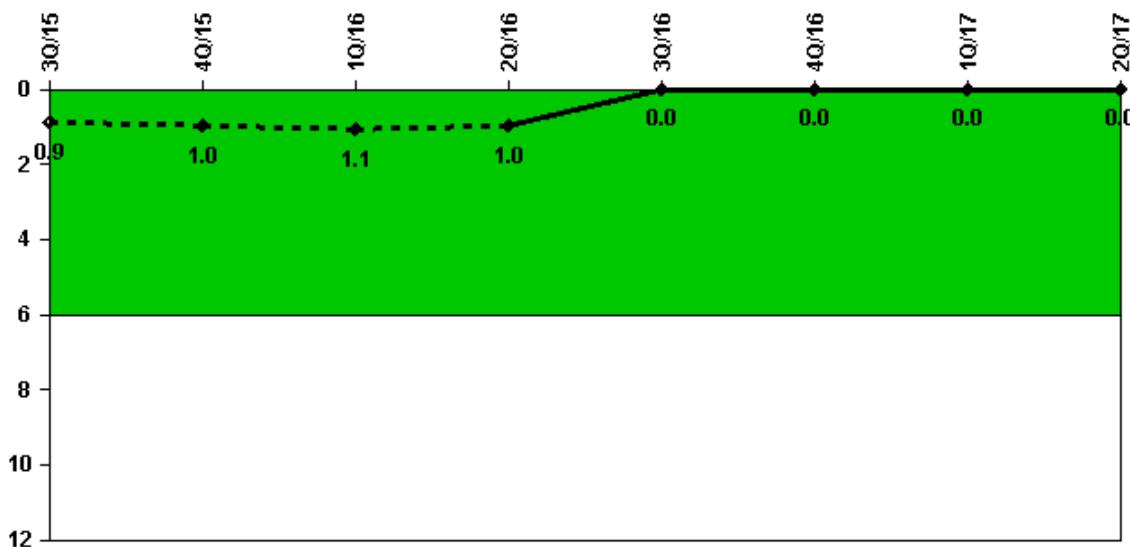
Unplanned scrams	3.0	1.0	0	0	0	0	0	0
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Critical hours	1821.5	2041.5	1121.2	2184.0	2208.0	1345.4	2159.0	2184.0
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Indicator value	3.7	4.8	4.4	3.9	0.9	0	0	0
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

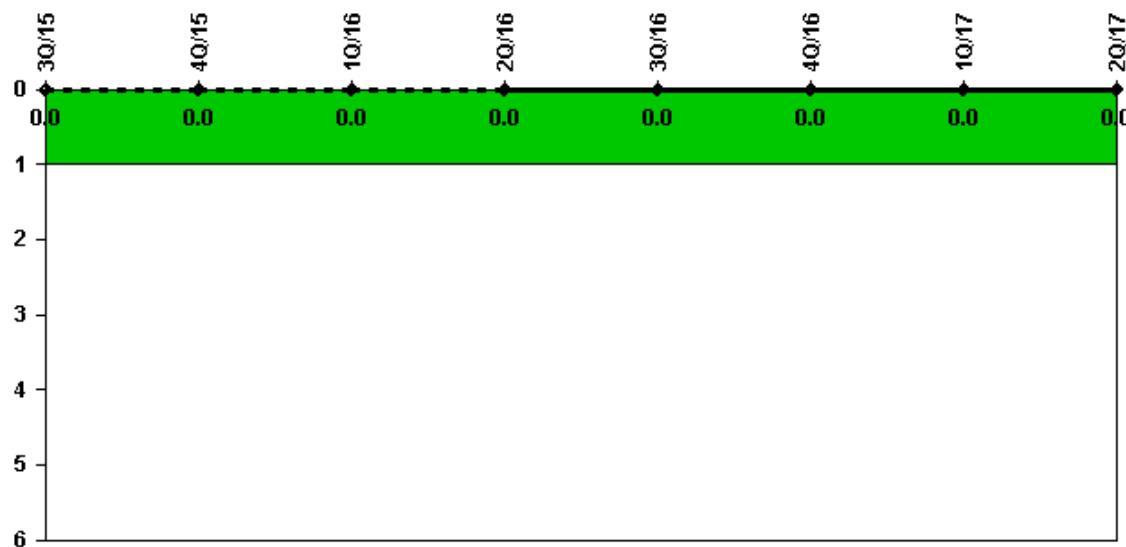
Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1821.5	2041.5	1121.2	2184.0	2208.0	1345.4	2159.0	2184.0

Indicator value	0.9	1.0	1.1	1.0	0	0	0	0



Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

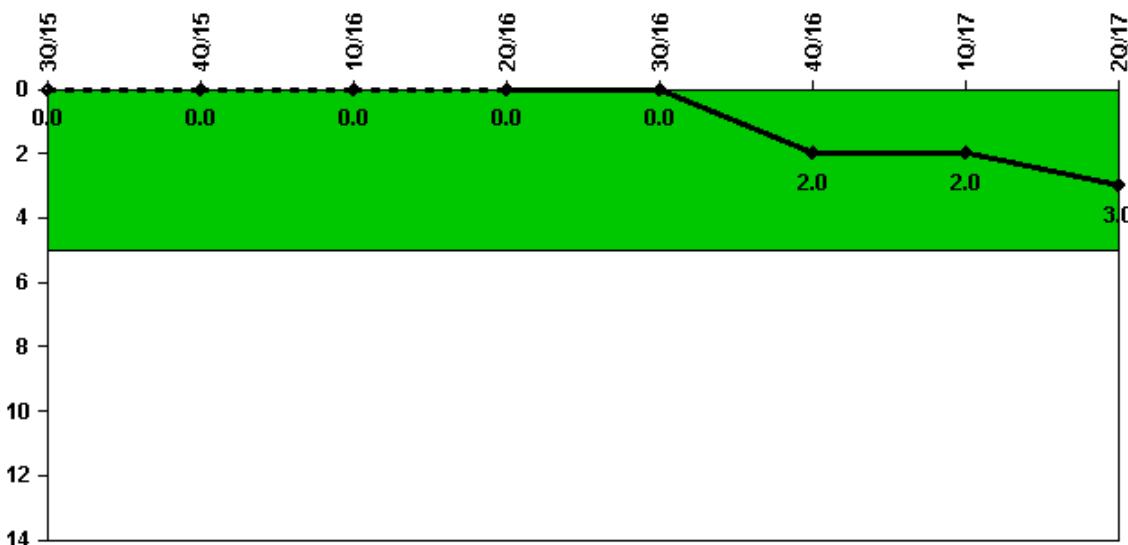
Notes

Unplanned Scrams with Complications 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17
Scrams with complications 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

TOP

Licensee Comments: none

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	0	0	2	0	1

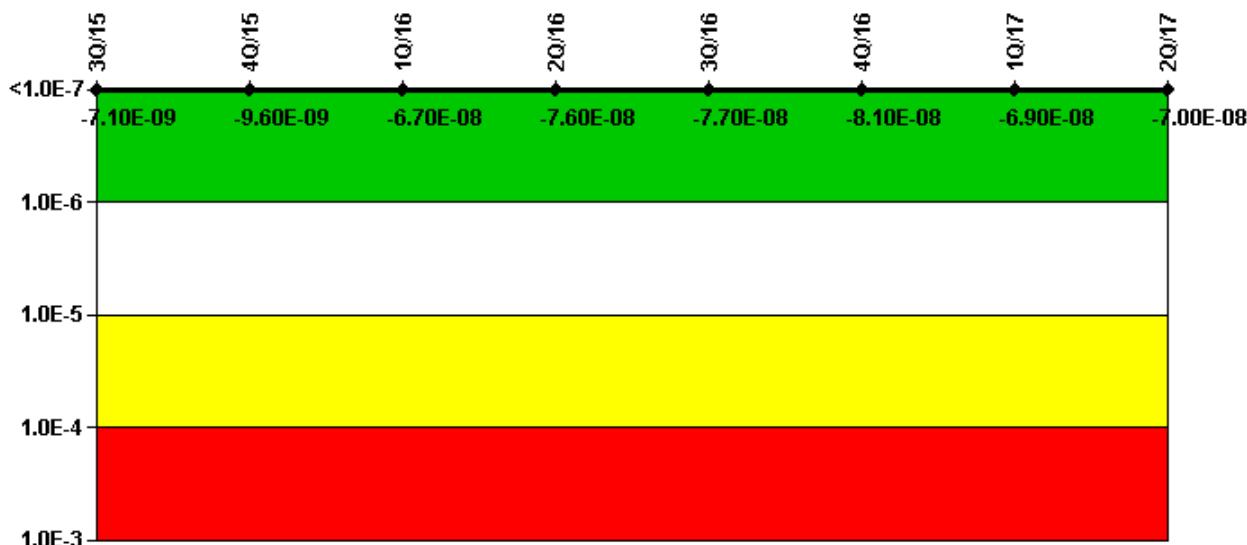
Indicator value	0	0	0	0	0	2	2	3
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Licensee Comments:

2Q/17: LER 327/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable
 4Q/16: LER 327/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria.
 LER 327/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

Mitigating Systems Performance Index, Emergency AC Power System



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

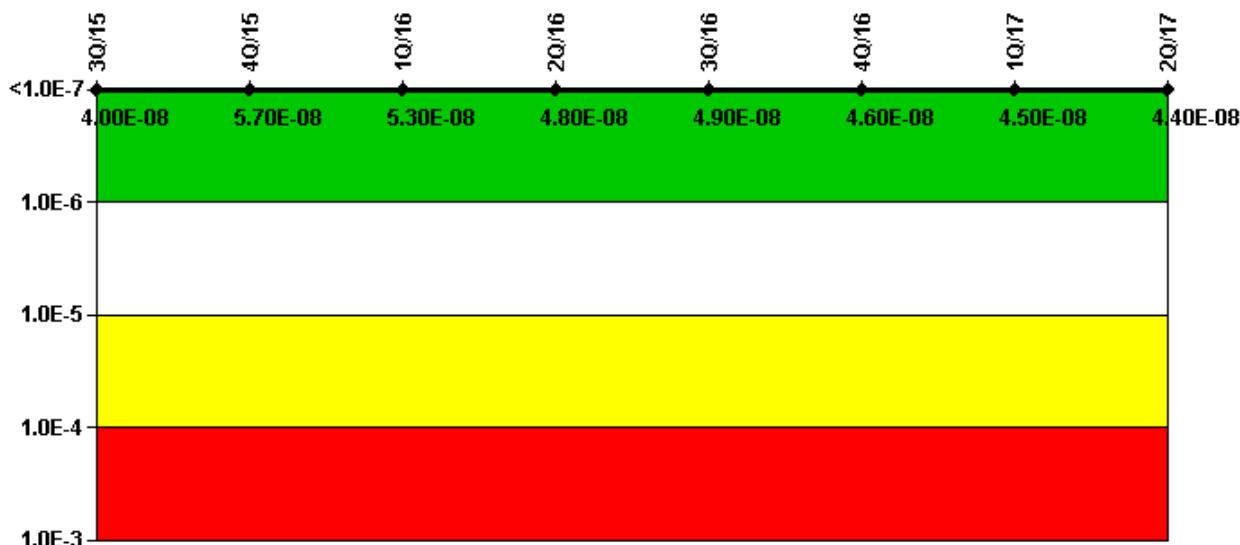
Notes

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)	1.35E-08	1.17E-08	5.91E-09	-1.63E-09	-4.40E-09	-3.95E-09	7.46E-09	6.91E-09
URI (Δ CDF)	-2.06E-08	-2.13E-08	-7.28E-08	-7.41E-08	-7.25E-08	-7.67E-08	-7.64E-08	-7.73E-08
PLE	NO							
Indicator value	-7.10E-09	-9.60E-09	-6.70E-08	-7.60E-08	-7.70E-08	-8.10E-08	-6.90E-08	-7.00E-08

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

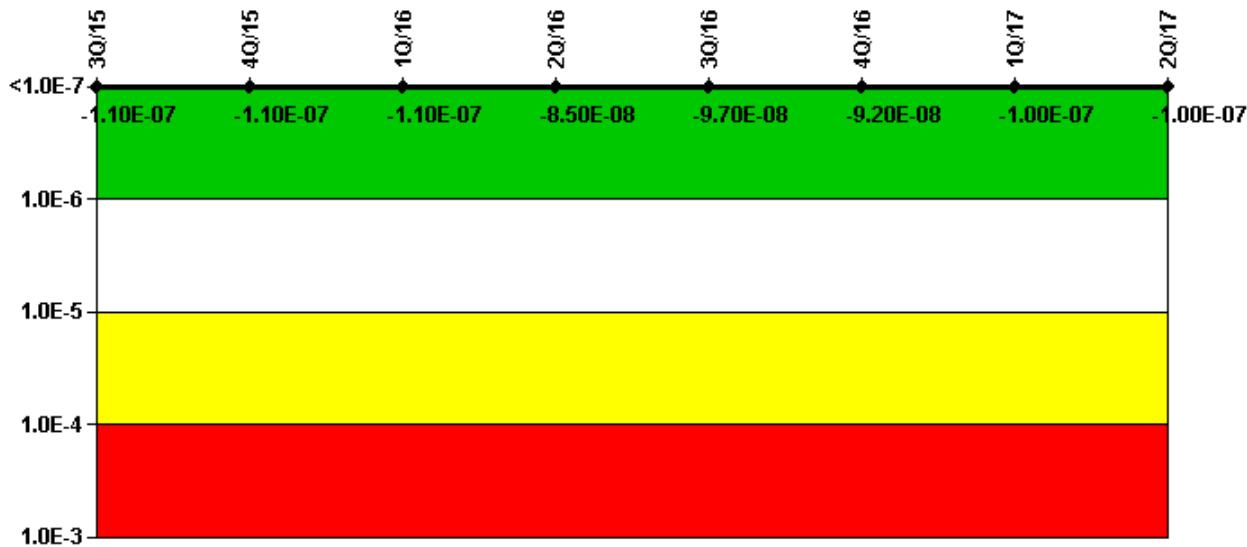
Notes**Mitigating Systems Performance Index, High Pressure Injection System**

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	3.24E-08	4.05E-08	3.63E-08	3.14E-08	3.28E-08	2.92E-08	2.86E-08	2.74E-08
URI (Δ CDF)	7.22E-09	1.67E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08
PLE	NO							
Indicator value	4.00E-08	5.70E-08	5.30E-08	4.80E-08	4.90E-08	4.60E-08	4.50E-08	4.40E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

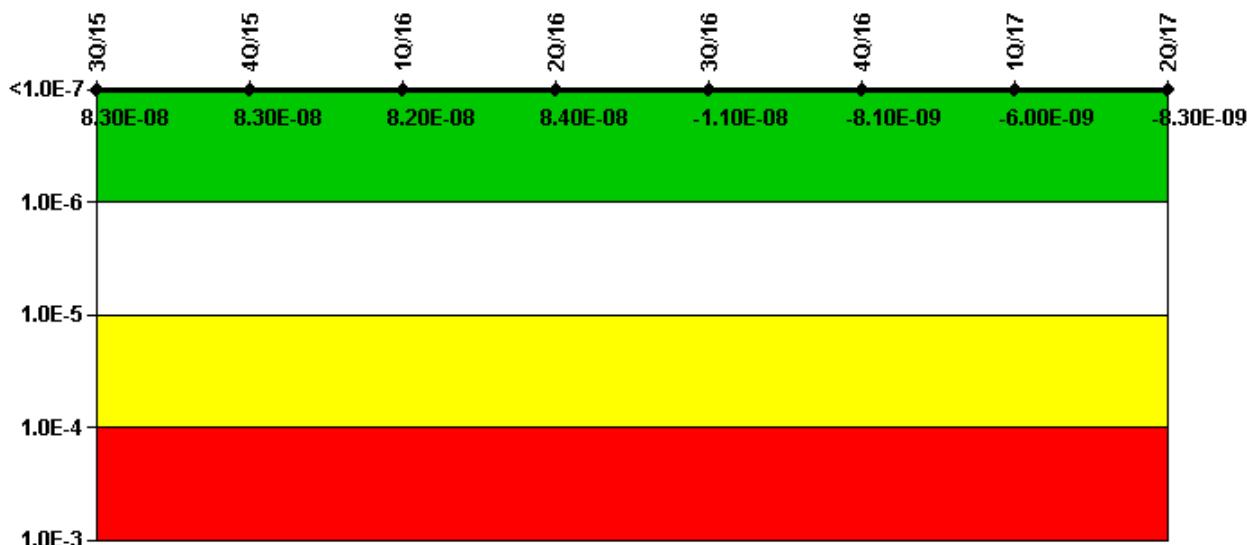
Mitigating Systems Performance Index, Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-1.07E-08	-1.13E-08	-5.57E-09	1.64E-08	4.68E-09	1.03E-08	2.99E-09	9.67E-10
URI (Δ CDF)	-9.95E-08	-1.01E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.03E-07	-1.03E-07	-1.03E-07
PLE	NO							
Indicator value	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08	-9.70E-08	-9.20E-08	-1.00E-07	-1.00E-07

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

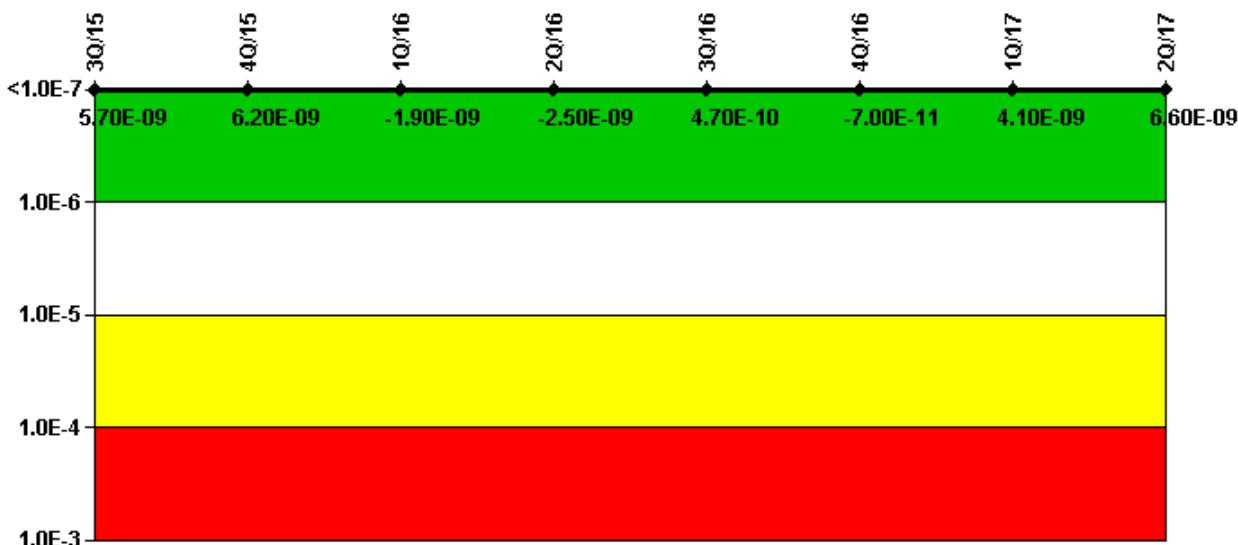
Mitigating Systems Performance Index, Residual Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	1.85E-08	1.82E-08	1.78E-08	1.91E-08	1.17E-08	1.47E-08	1.69E-08	1.45E-08
URI (Δ CDF)	6.48E-08	6.48E-08	6.45E-08	6.45E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.30E-08	8.30E-08	8.20E-08	8.40E-08	-1.10E-08	-8.10E-09	-6.00E-09	-8.30E-09

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Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

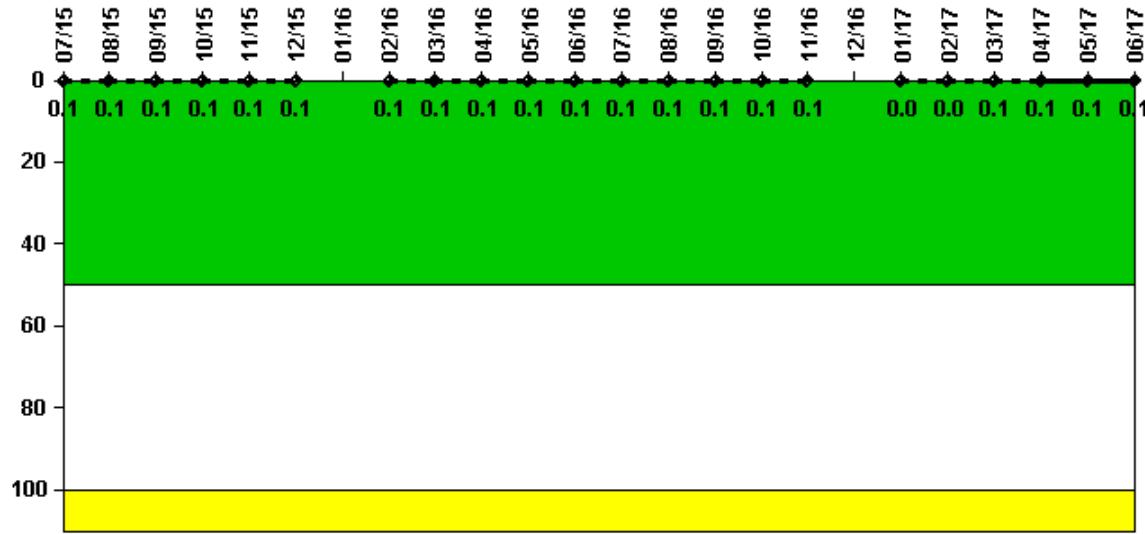
Mitigating Systems Performance Index, Cooling Water Systems

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	1.34E-08	1.39E-08	5.76E-09	5.23E-09	8.15E-09	7.61E-09	1.18E-08	1.44E-08
URI (Δ CDF)	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.79E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.70E-09	6.20E-09	-1.90E-09	-2.50E-09	4.70E-10	-7.00E-11	4.10E-09	6.60E-09

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

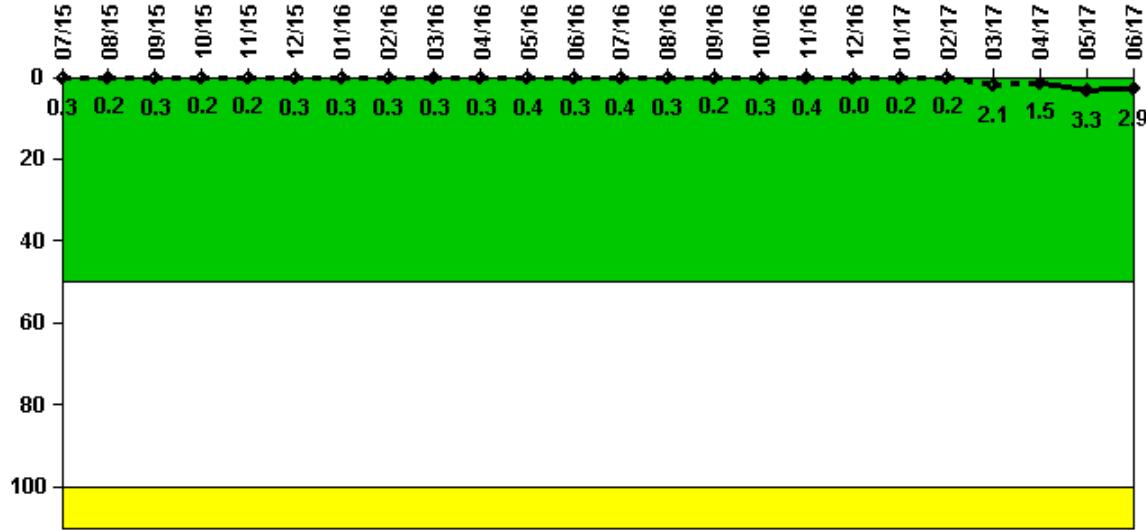
Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000189	0.000221	0.000229	0.000241	0.000263	0.000267	N/A	0.000319	0.000321	0.000380	0.000351	0.000400
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.1	0.1	0.1	0.1	0.1
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	0.000423	0.000395	0.000372	0.000412	0.000438	N/A	0.000155	0.000170	0.000212	0.000199	0.000233	0.000247
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0.1	0.1	0.1	0.1

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	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.040	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

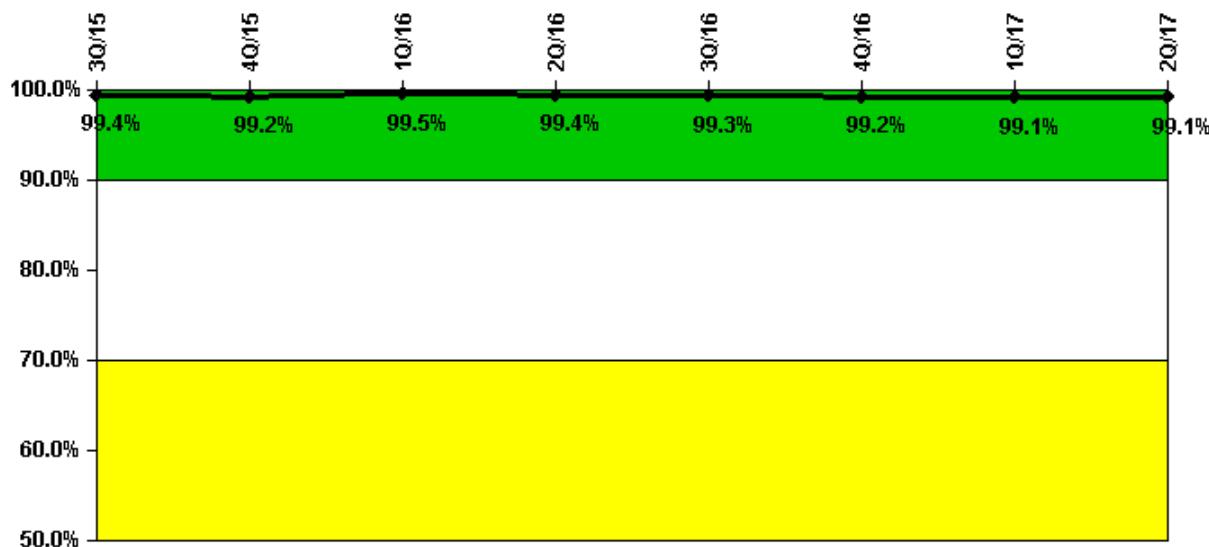
Indicator value	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3
Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0.040	0.030	0.020	0.030	0.040	0	0.020	0.020	0.210	0.150	0.330	0.290

Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Indicator value	0.4	0.3	0.2	0.3	0.4	0	0.2	0.2	2.1	1.5	3.3	2.9
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TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes**Drill/Exercise Performance**

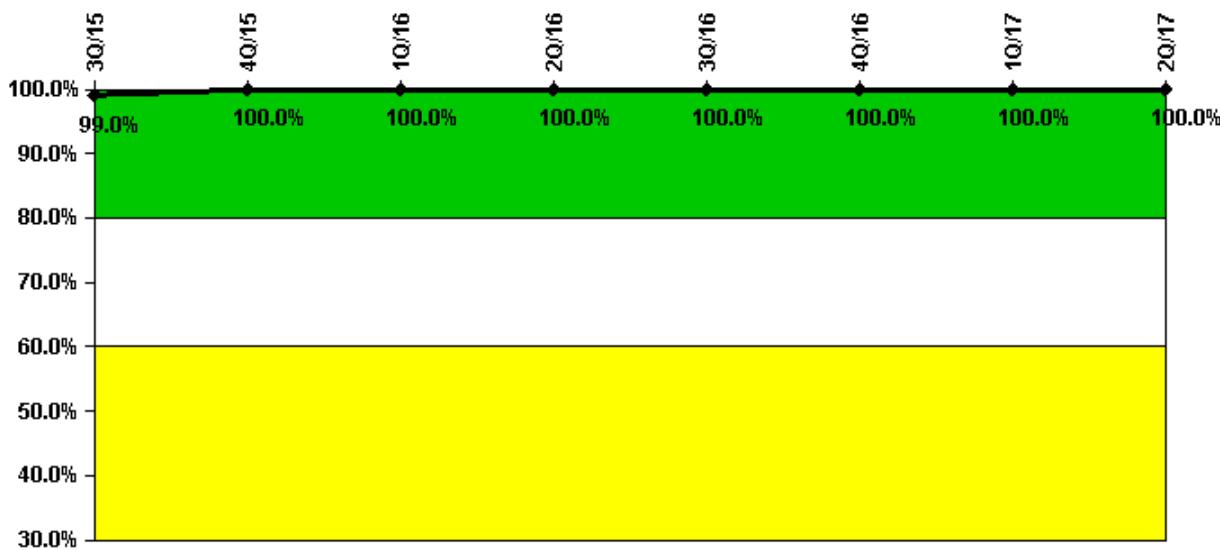
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	58.0	63.0	84.0	74.0	107.0	20.0	28.0	12.0
Total opportunities	58.0	64.0	84.0	75.0	108.0	21.0	28.0	12.0

Indicator value **99.4% 99.2% 99.5% 99.4% 99.3% 99.2% 99.1% 99.1%**

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

Participating Key personnel 95.0 99.0 96.0 97.0 99.0 97.0 82.0 84.0

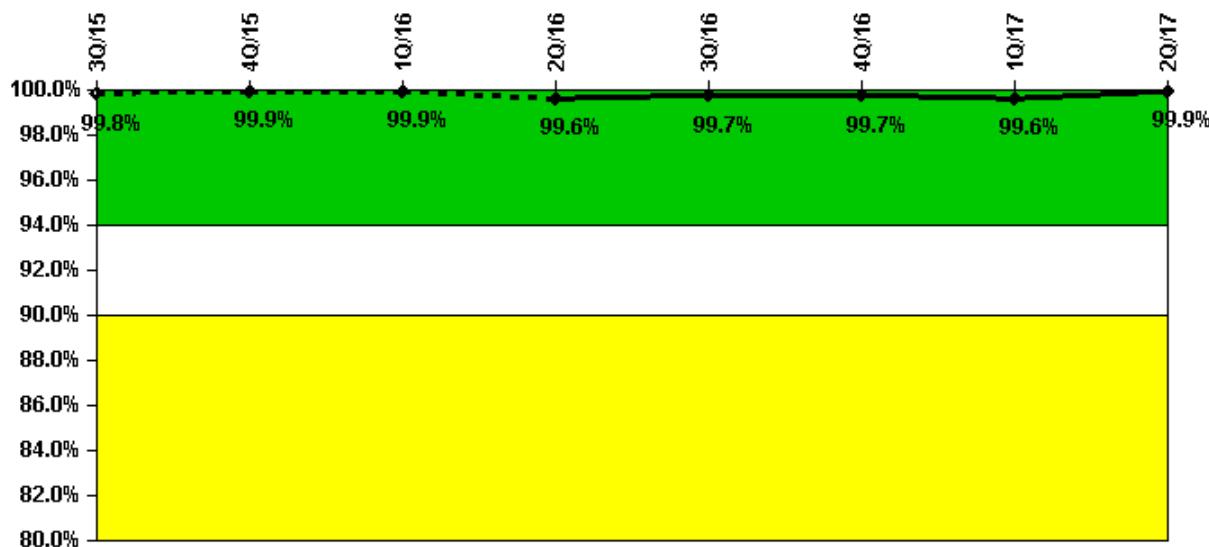
Total Key personnel 96.0 99.0 96.0 97.0 99.0 97.0 82.0 84.0

Indicator value 99.0% 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%

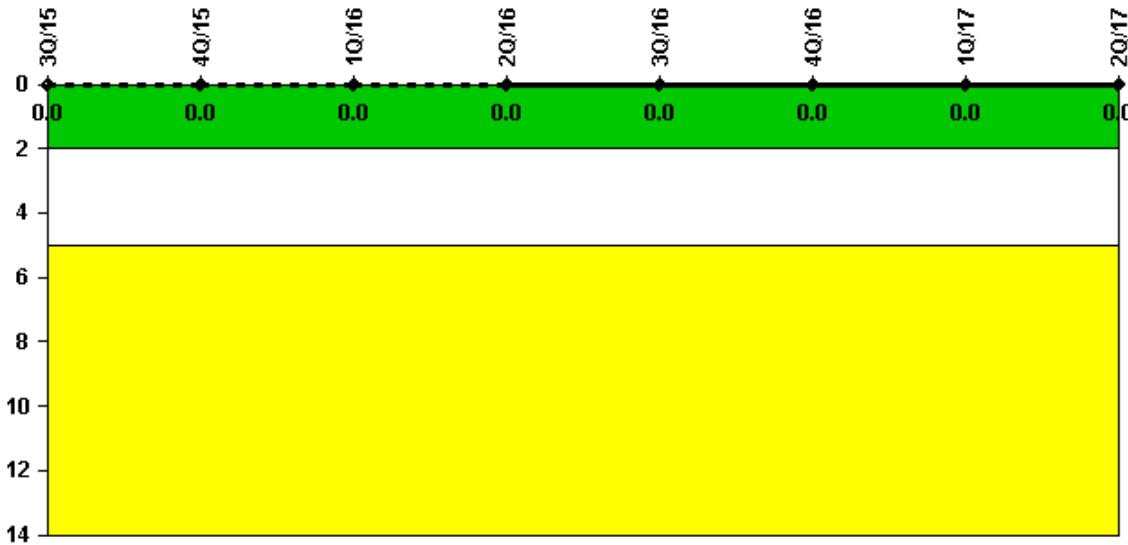
Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	1012	791	1017	780	903	904	1016	904
Total sirens-tests	1017	791	1017	791	904	904	1017	904

Indicator value **99.8% 99.9% 99.9% 99.6% 99.7% 99.7% 99.6% 99.9%**



Licensee Comments: none

Occupational Exposure Control Effectiveness

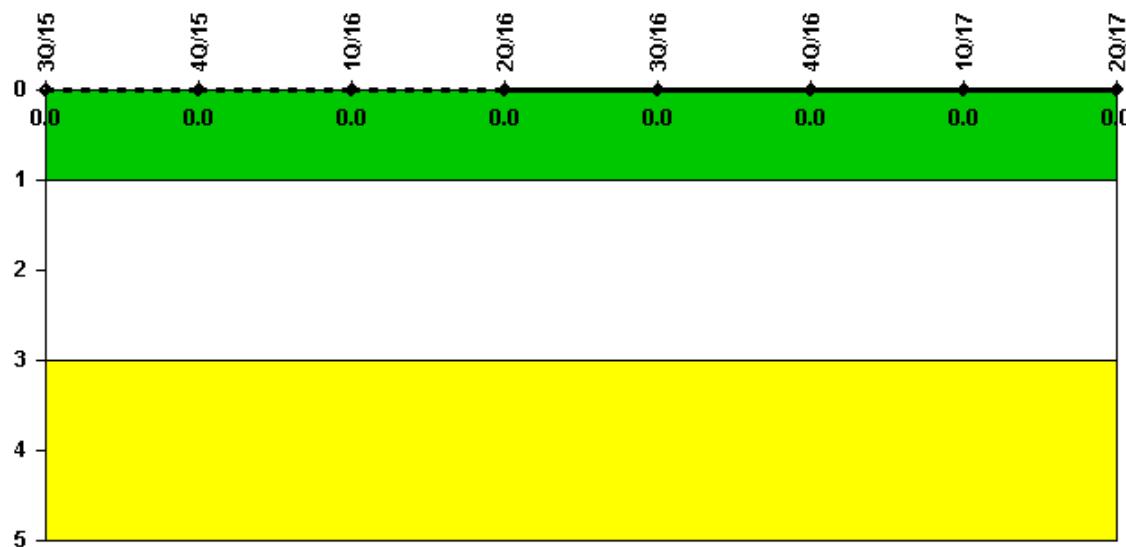
Thresholds: White > 2.0 Yellow > 5.0

Notes**Occupational Exposure Control Effectiveness**

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							



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 > Sequoyah 1 > Quarterly Performance Indicators

Sequoyah 1 – Quarterly Performance Indicators

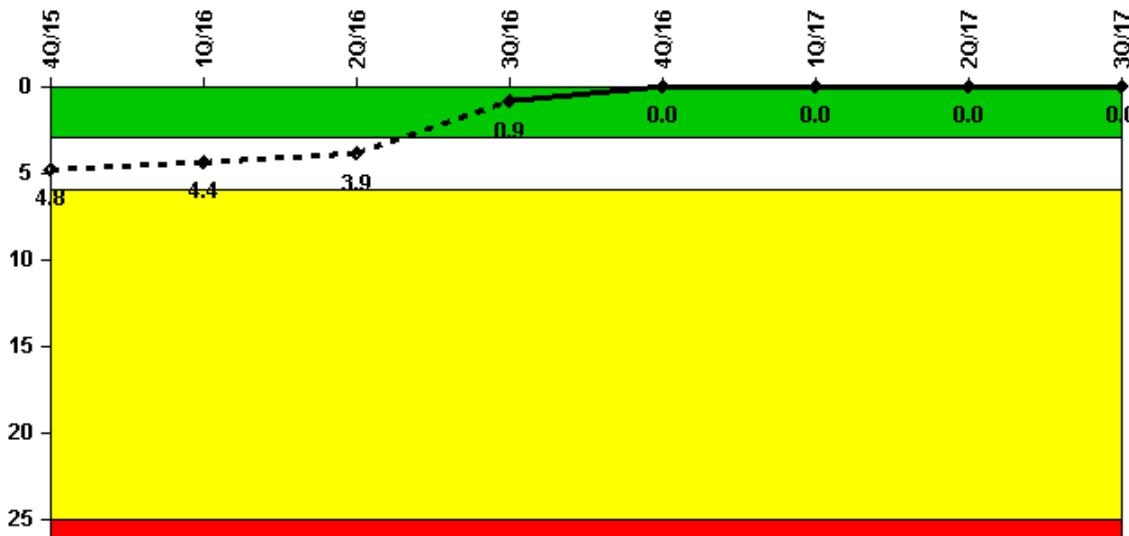
3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- 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 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17**

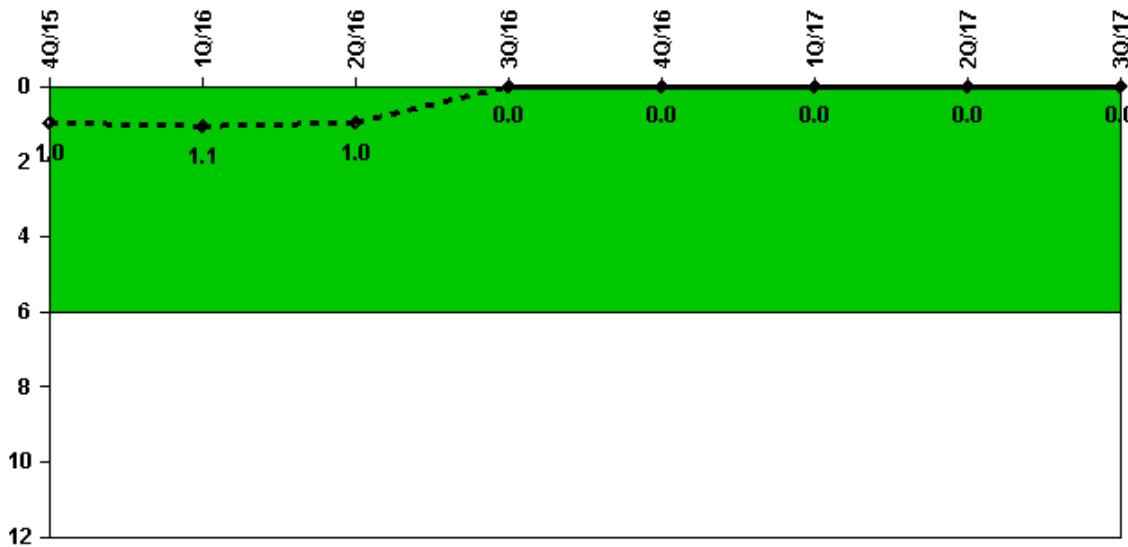
Unplanned scrams	1.0	0	0	0	0	0	0	0
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Critical hours	2041.5	1121.2	2184.0	2208.0	1345.4	2159.0	2184.0	2208.0
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Indicator value	4.8	4.4	3.9	0.9	0	0	0	0
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes**Unplanned Power Changes per 7000 Critical Hrs** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

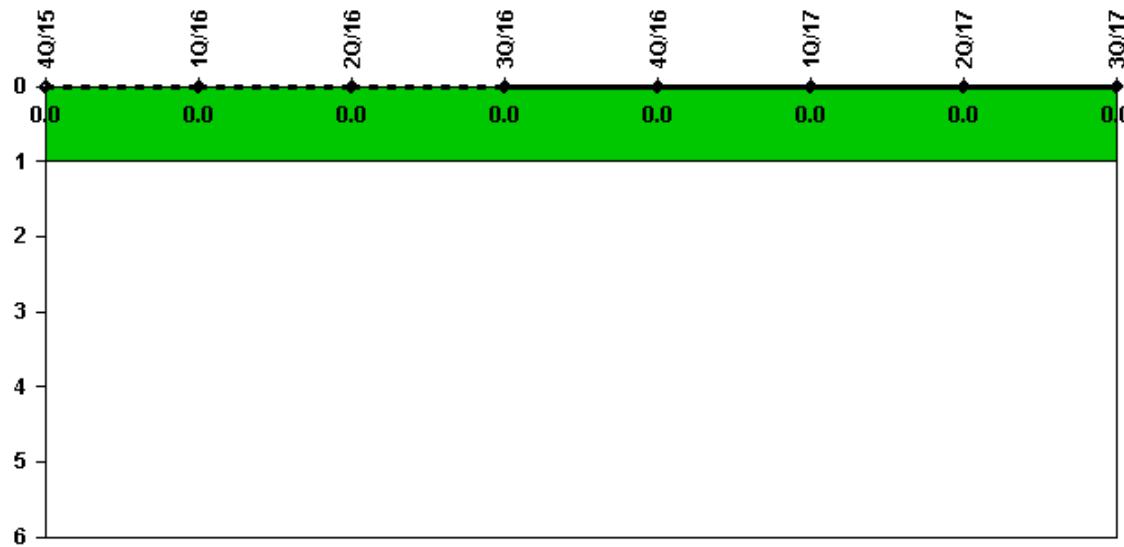
Unplanned power changes 0 0 0 0 0 0 0 0

Critical hours 2041.5 1121.2 2184.0 2208.0 1345.4 2159.0 2184.0 2208.0

Indicator value 1.0 1.1 1.0 0 0 0 0 0



Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

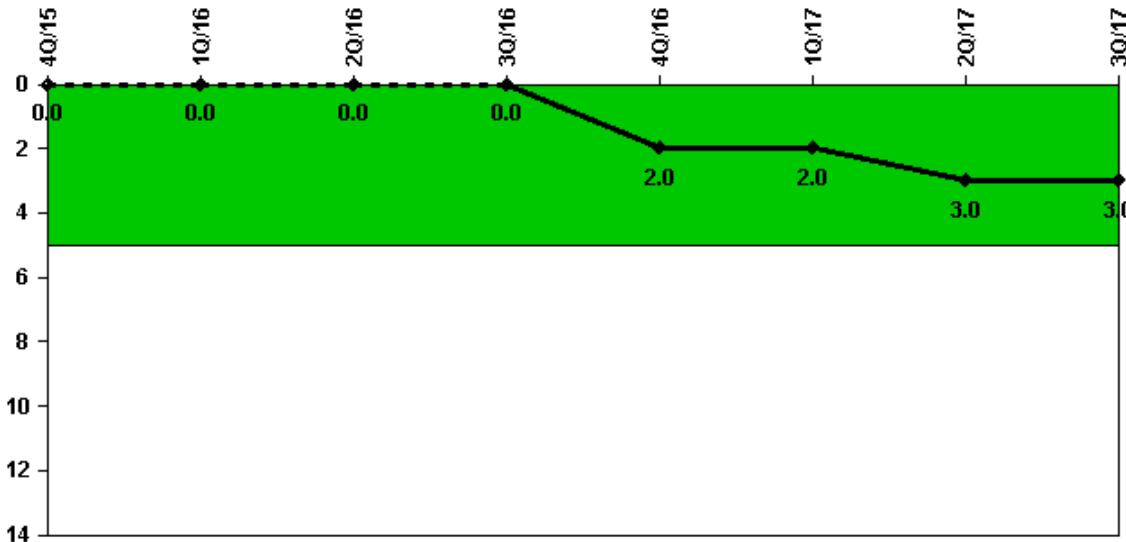
Notes

Unplanned Scrams with Complications 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17
Scrams with complications 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0



Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

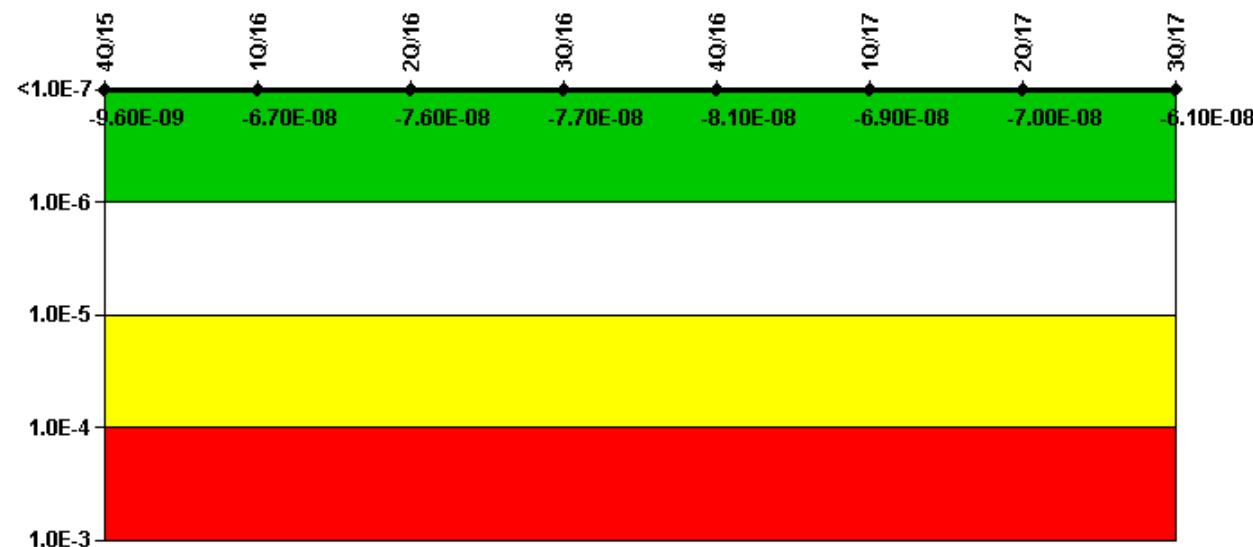
Safety System Functional Failures (PWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	0	0	0	2	0	1	0

Indicator value	0	0	0	0	2	2	3	3

**Licensee Comments:**

2Q/17: LER 327/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable
4Q/16: LER 327/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria.
LER 327/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

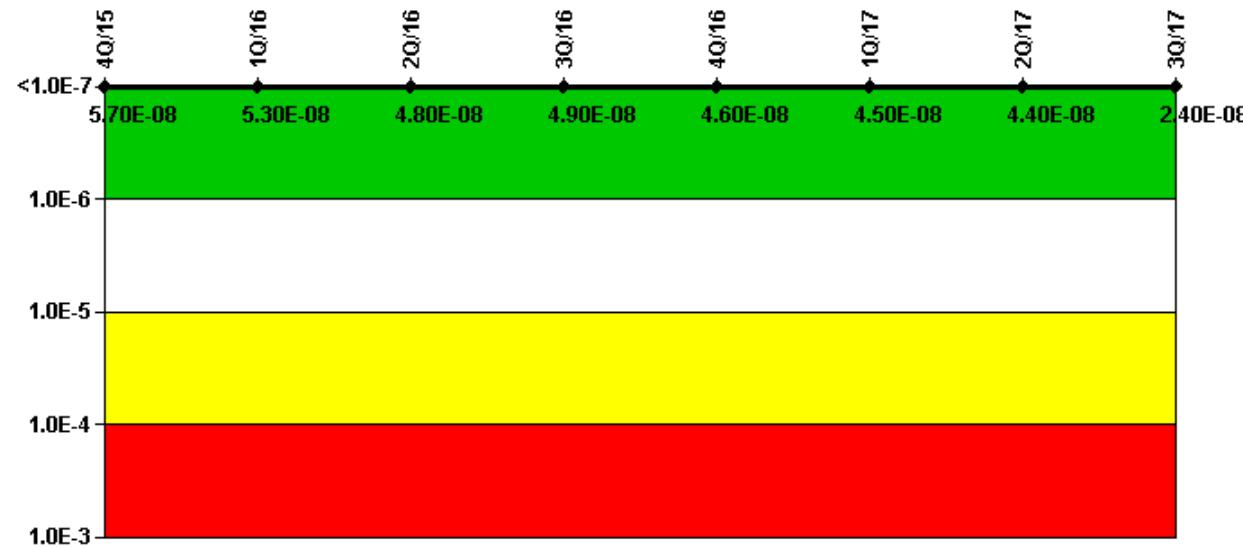
Mitigating Systems Performance Index, Emergency AC Power System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	1.17E-08	5.91E-09	-1.63E-09	-4.40E-09	-3.95E-09	7.46E-09	6.91E-09	1.34E-08
URI (Δ CDF)	-2.13E-08	-7.28E-08	-7.41E-08	-7.25E-08	-7.67E-08	-7.64E-08	-7.73E-08	-7.45E-08
PLE	NO							
Indicator value	-9.60E-09	-6.70E-08	-7.60E-08	-7.70E-08	-8.10E-08	-6.90E-08	-7.00E-08	-6.10E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

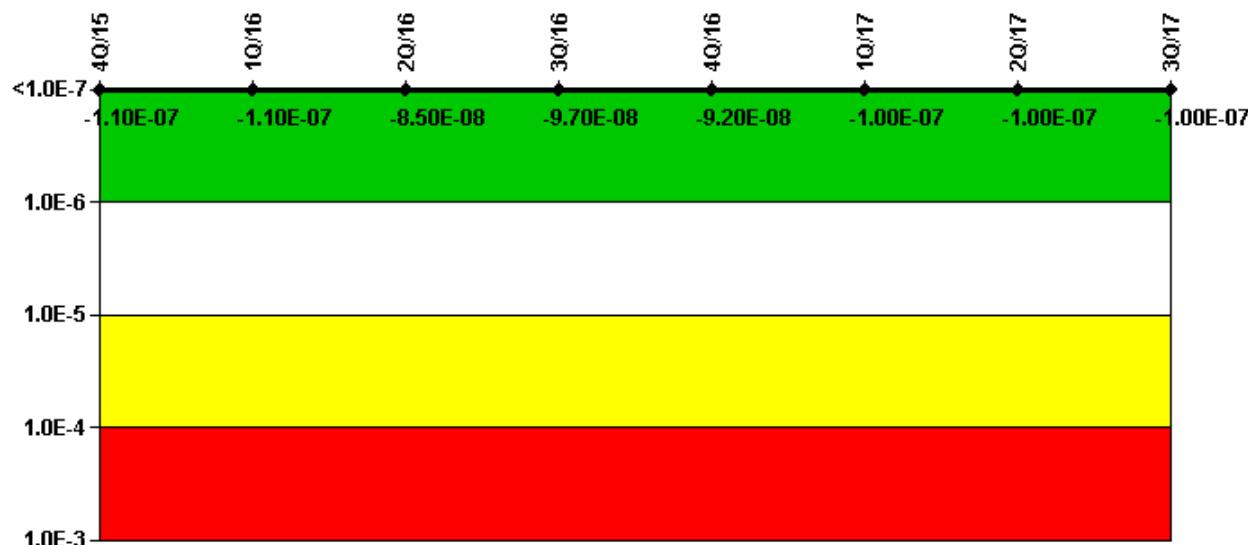
Mitigating Systems Performance Index, High Pressure Injection System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	4.05E-08	3.63E-08	3.14E-08	3.28E-08	2.92E-08	2.86E-08	2.74E-08	1.68E-08
URI (Δ CDF)	1.67E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	7.17E-09
PLE	NO							
Indicator value	5.70E-08	5.30E-08	4.80E-08	4.90E-08	4.60E-08	4.50E-08	4.40E-08	2.40E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

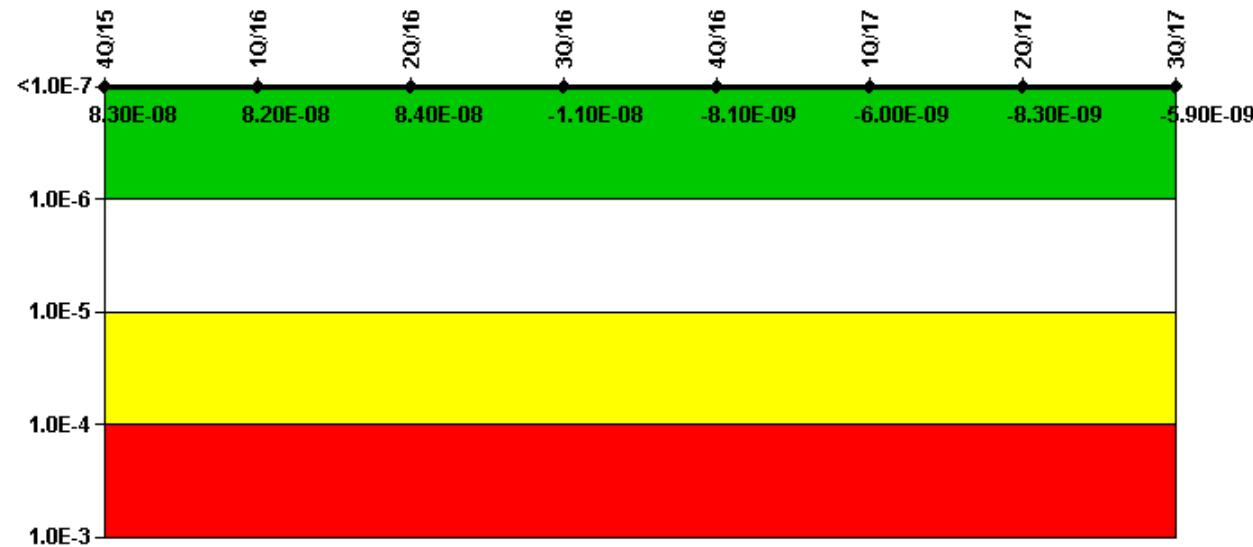
Mitigating Systems Performance Index, Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-1.13E-08	-5.57E-09	1.64E-08	4.68E-09	1.03E-08	2.99E-09	9.67E-10	-3.48E-10
URI (Δ CDF)	-1.01E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.03E-07	-1.03E-07	-1.03E-07	-1.03E-07
PLE	NO							
Indicator value	-1.10E-07	-1.10E-07	-8.50E-08	-9.70E-08	-9.20E-08	-1.00E-07	-1.00E-07	-1.00E-07

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Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

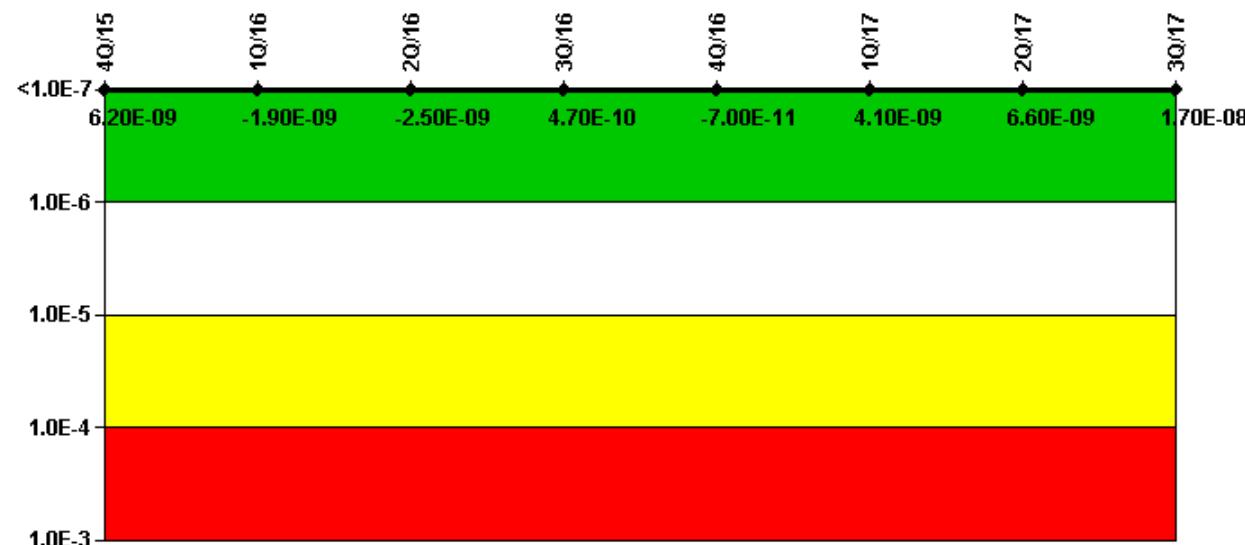
Mitigating Systems Performance Index, Residual Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	1.82E-08	1.78E-08	1.91E-08	1.17E-08	1.47E-08	1.69E-08	1.45E-08	1.69E-08
URI (Δ CDF)	6.48E-08	6.45E-08	6.45E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.30E-08	8.20E-08	8.40E-08	-1.10E-08	-8.10E-09	-6.00E-09	-8.30E-09	-5.90E-09

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

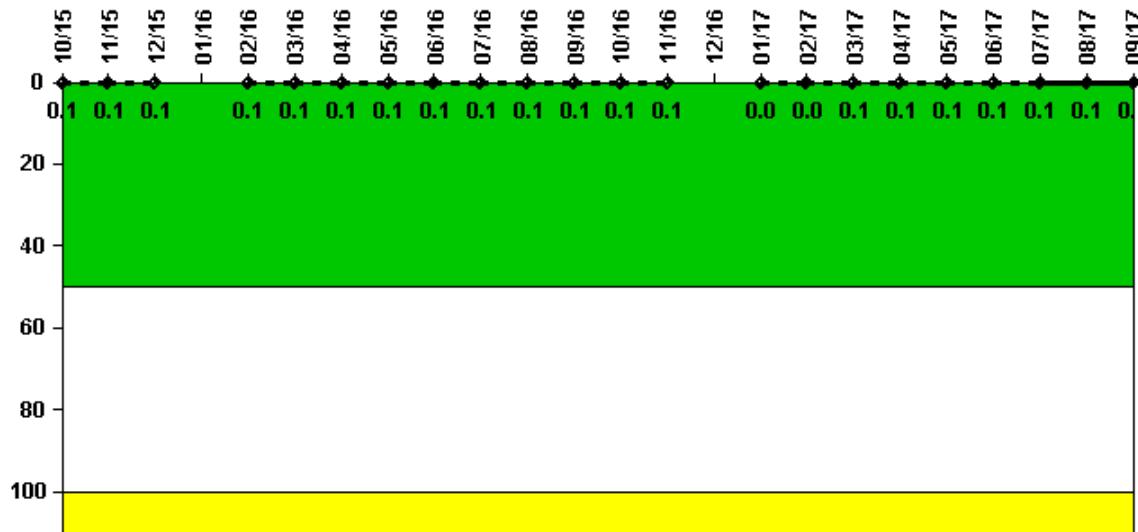
Mitigating Systems Performance Index, Cooling Water Systems

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	1.39E-08	5.76E-09	5.23E-09	8.15E-09	7.61E-09	1.18E-08	1.44E-08	2.49E-08
URI (Δ CDF)	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.79E-09	-7.79E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.20E-09	-1.90E-09	-2.50E-09	4.70E-10	-7.00E-11	4.10E-09	6.60E-09	1.70E-08

▲ TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

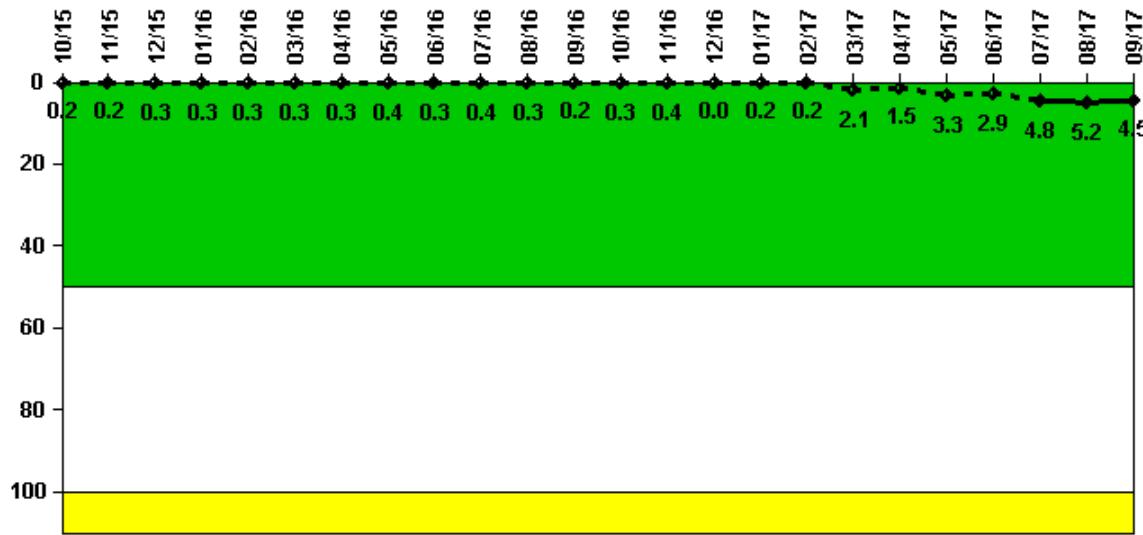
Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000241	0.000263	0.000267	N/A	0.000319	0.000321	0.000380	0.000351	0.000400	0.000423	0.000395	0.000372
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000412	0.000438	N/A	0.000155	0.000170	0.000212	0.000199	0.000233	0.000247	0.000290	0.000297	0.000279
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	N/A	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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 0.020 0.020 0.030 0.030 0.030 0.030 0.030 0.040 0.030 0.040 0.030 0.020

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.4 0.3 0.4 0.2

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

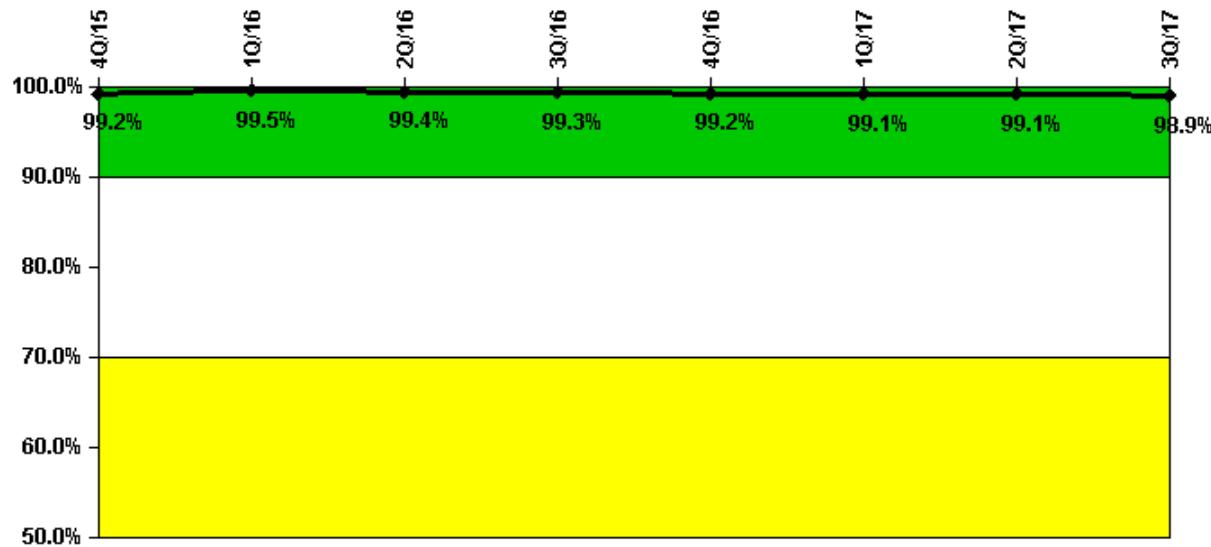
Maximum leakage 0.030 0.040 0.020 0.020 0.210 0.150 0.330 0.290 0.480 0.520 0.450

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.3 0.4 0 0.2 0.2 2.1 1.5 3.3 2.9 4.8 5.2 4.5

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

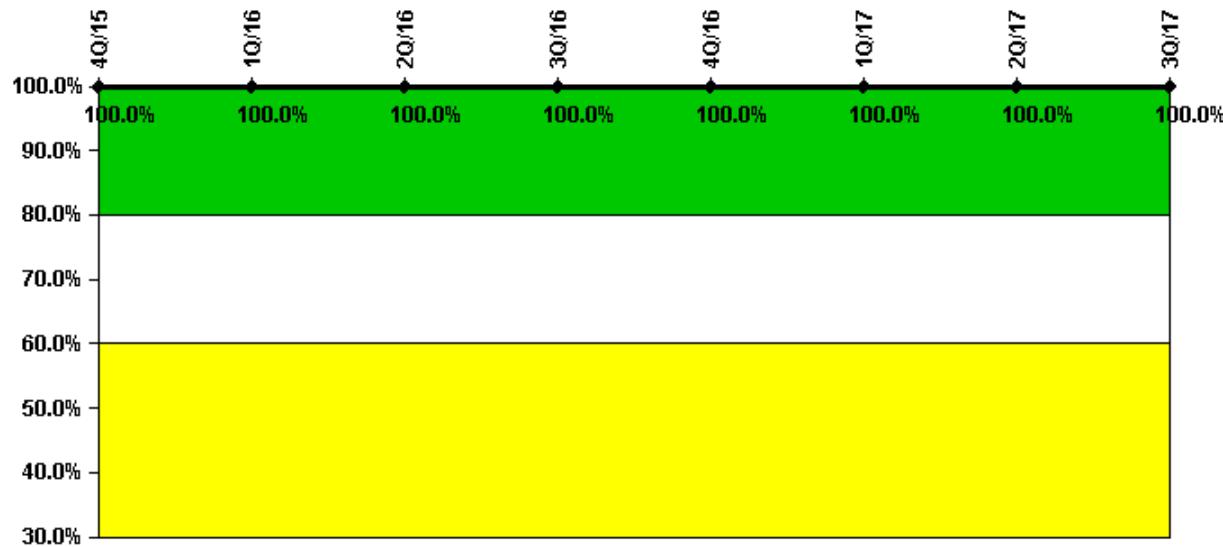
Successful opportunities 63.0 84.0 74.0 107.0 20.0 28.0 12.0 43.0

Total opportunities 64.0 84.0 75.0 108.0 21.0 28.0 12.0 44.0

Indicator value **99.2% 99.5% 99.4% 99.3% 99.2% 99.1% 99.1% 98.9%**

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Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes**ERO Drill Participation** **4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17**

Participating Key personnel 99.0 96.0 97.0 103.0 97.0 82.0 84.0 89.0

Total Key personnel 99.0 96.0 97.0 103.0 97.0 82.0 84.0 89.0

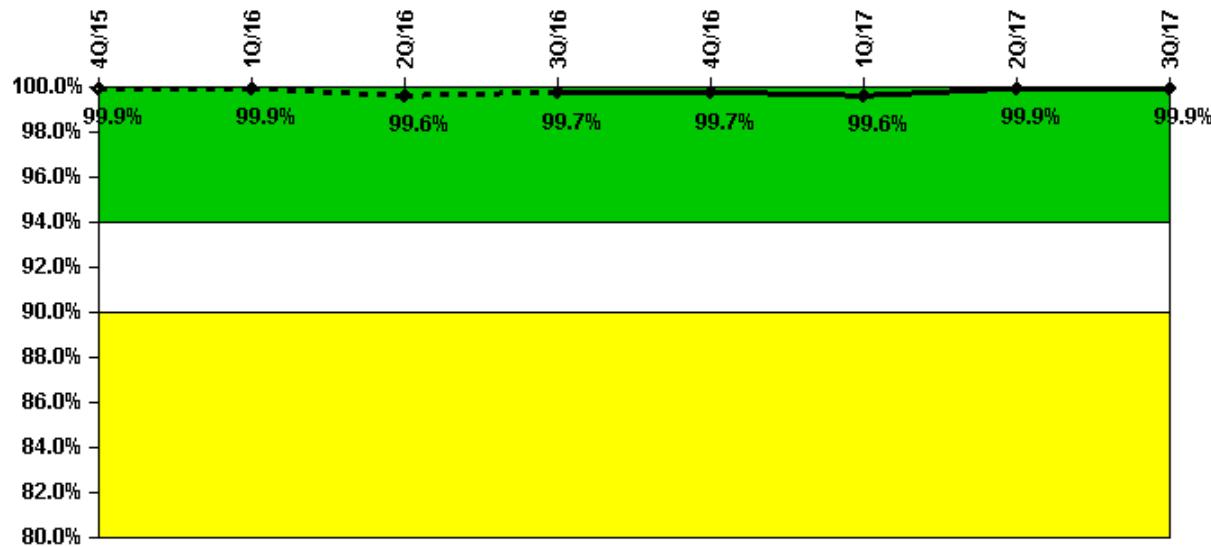
Indicator value **100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments:

3Q/16: CR 1228955 - Identified an error after submittal of participation data for September 2016. The data went from 99 to 103; there is no effect on color.

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

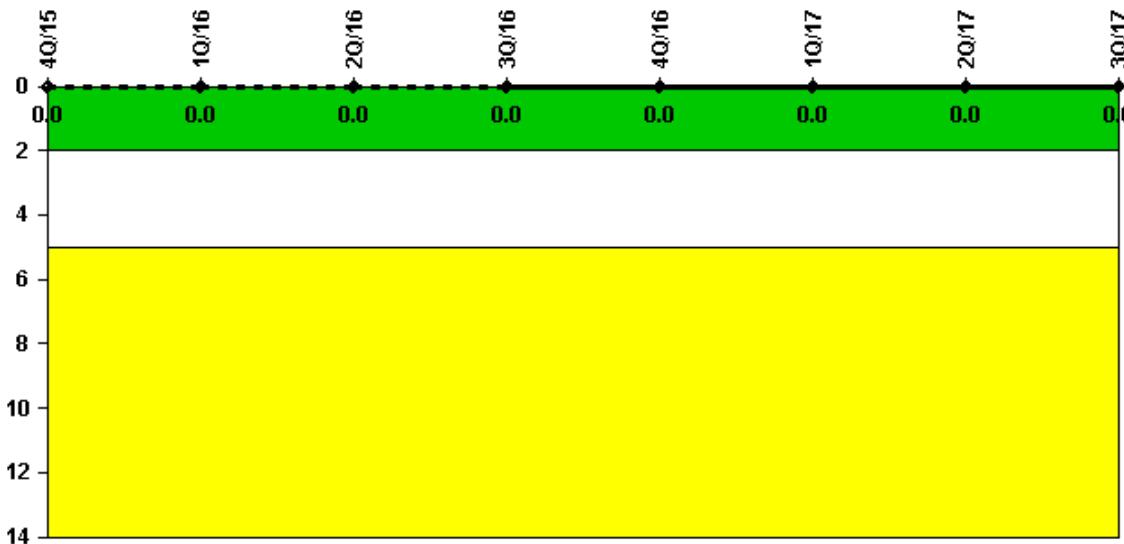
Successful siren-tests 791 1017 780 903 904 1016 904 903

Total sirens-tests 791 1017 791 904 904 1017 904 904

Indicator value 99.9% 99.9% 99.6% 99.7% 99.7% 99.6% 99.9% 99.9%



Licensee Comments: none

Occupational Exposure Control Effectiveness

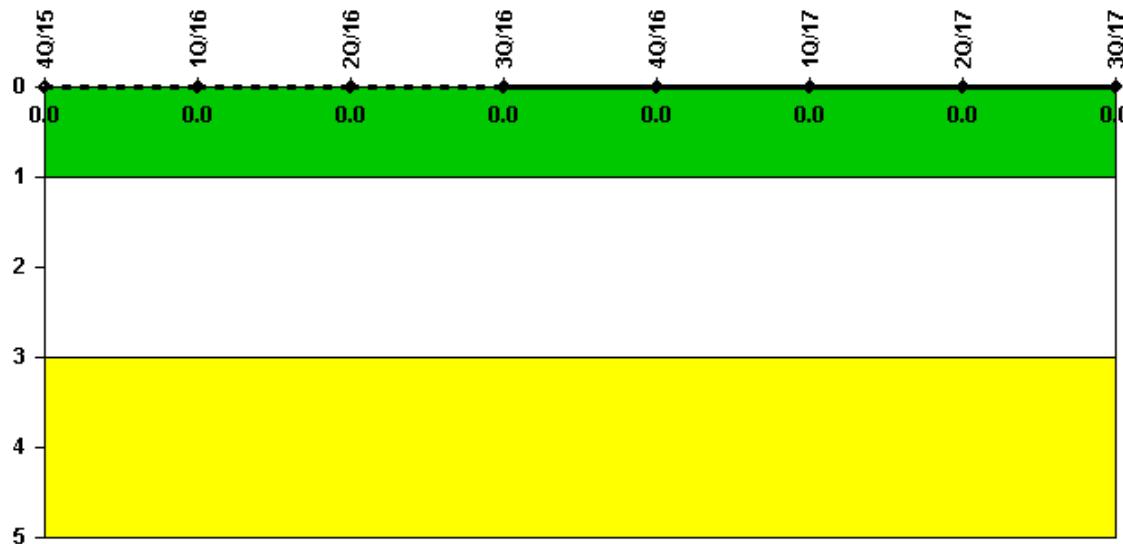
Thresholds: White > 2.0 Yellow > 5.0

Notes**Occupational Exposure Control Effectiveness**

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							



Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Indicator value 0 0 0 0 0 0 0 0

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Licensee Comments: none

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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 > Sequoyah 1 > Quarterly Performance Indicators

Sequoyah 1 – Quarterly Performance Indicators

Q4/2017 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

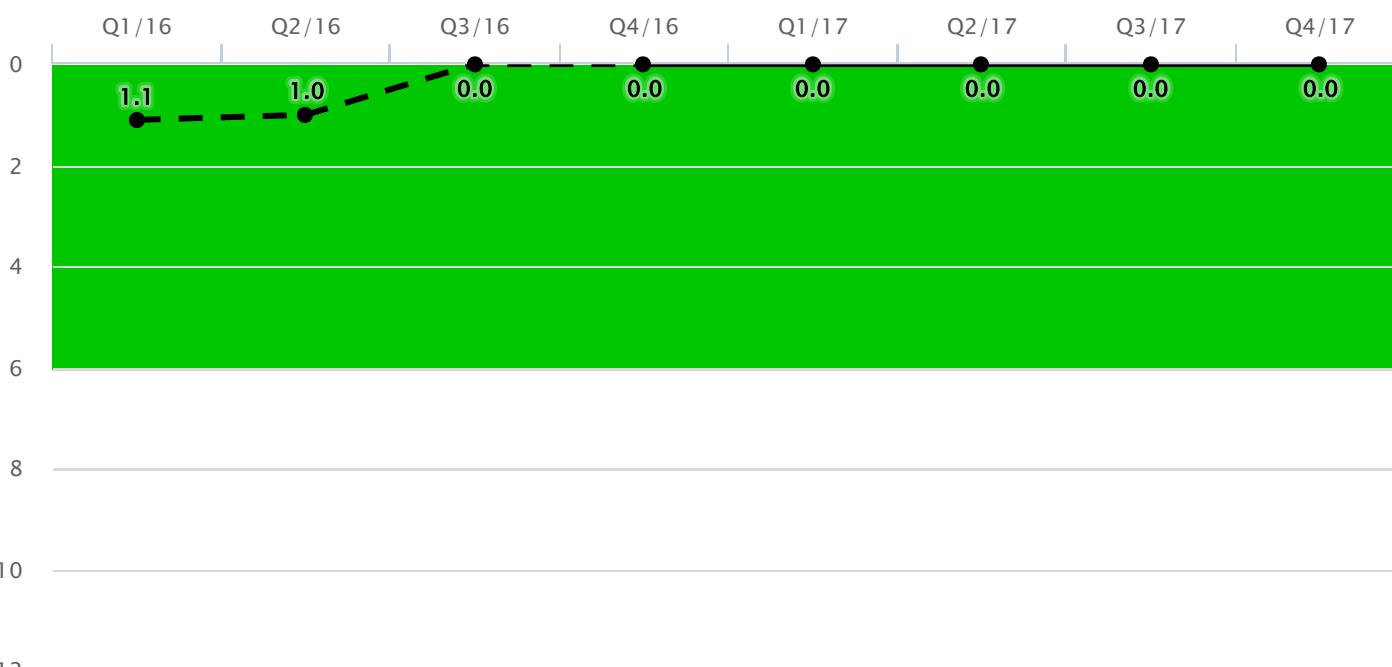
Notes

	Unplanned Scrams per 7000 Critical Hrs	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
Unplanned Scrams		0	0	0	0	0	0	0	0
Critical Hours		1121.2	2184.0	2208.0	1345.4	2159.0	2184.0	2208.0	2018.5

Indicator value	4.4	3.9	0.9	0	0	0	0	0
TOP								

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

	Unplanned Power Changes per 7000 Critical Hrs	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
Unplanned Power Changes		0	0	0	0	0	0	0	0

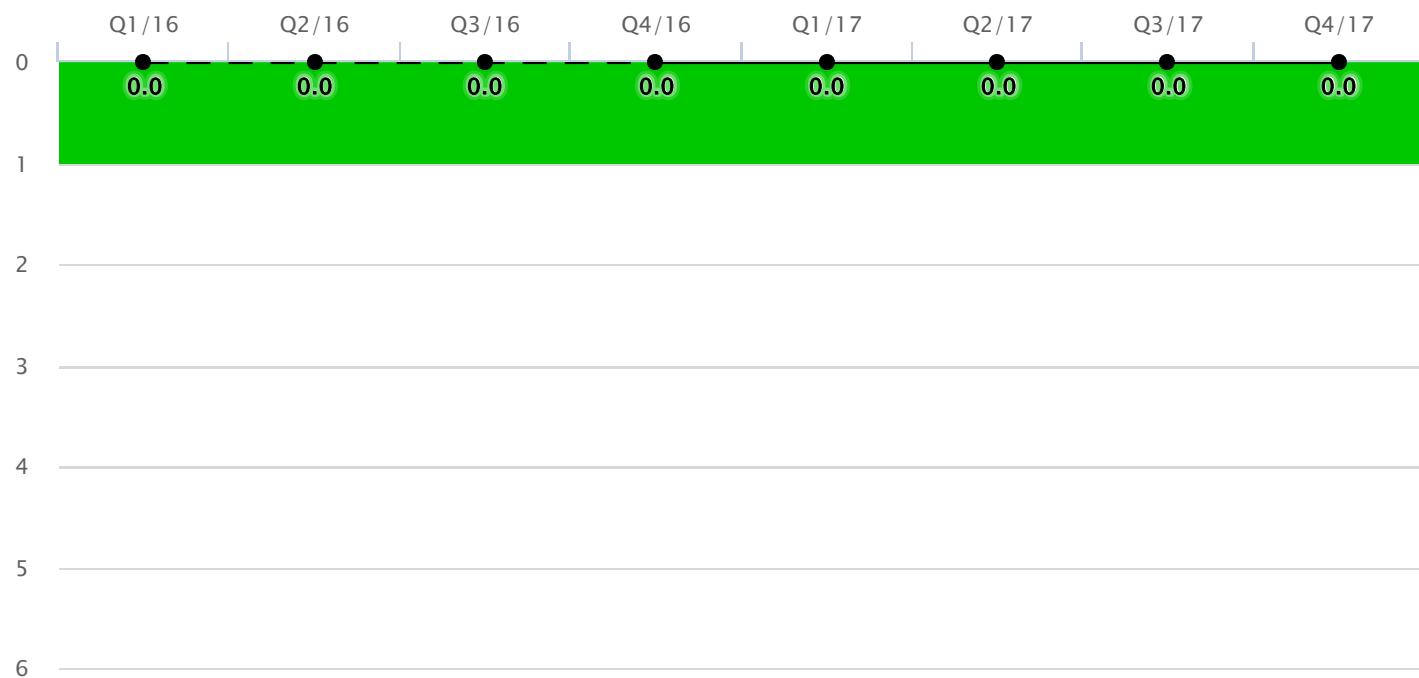
Critical Hours	1121.2	2184.0	2208.0	1345.4	2159.0	2184.0	2208.0	2018.5
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Indicator value	1.1	1.0	0	0	0	0	0	0
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Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

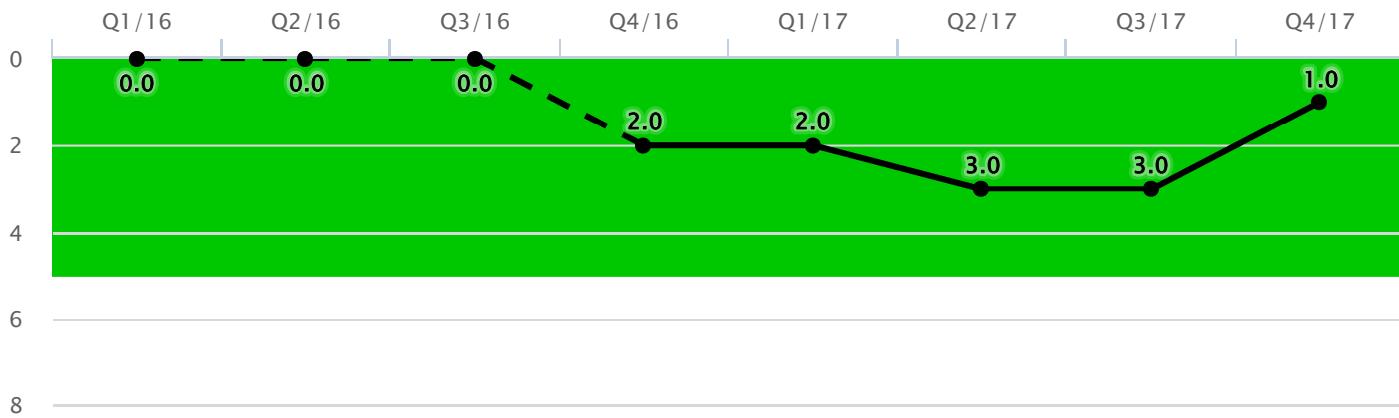
Unplanned Scrams with Complications	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) Q1/16 Q2/16 Q3/16 Q4/16 Q1/17 Q2/17 Q3/17 Q4/17

Indicator	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
Safety System Functional Failures	0	0	0	2	0	1	0	0

Indicator value	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
0	0	0	0	2	2	3	3	1



Licensee Comments:

Q2/17: LER 327/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable

Q4/16: LER 327/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 327/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

Mitigating Systems Performance Index, Emergency AC Power System



Notes

Mitigating Systems Performance Index, Emergency AC Power System

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI (Δ CDF)	5.91E-09	-1.63E-09	-4.40E-09	-3.95E-09	7.46E-09	6.91E-09	1.34E-08	1.37E-08
URI (Δ CDF)	-7.28E-08	-7.41E-08	-7.25E-08	-7.67E-08	-7.64E-08	-7.73E-08	-7.45E-08	-7.72E-08
PLE	NO							

Indicator value **-6.70E-08 -7.60E-08 -7.70E-08 -8.10E-08 -6.90E-08 -7.00E-08 -6.10E-08 -6.30E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



Values

1.0E-5

1.0E-4

1.0E-3

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

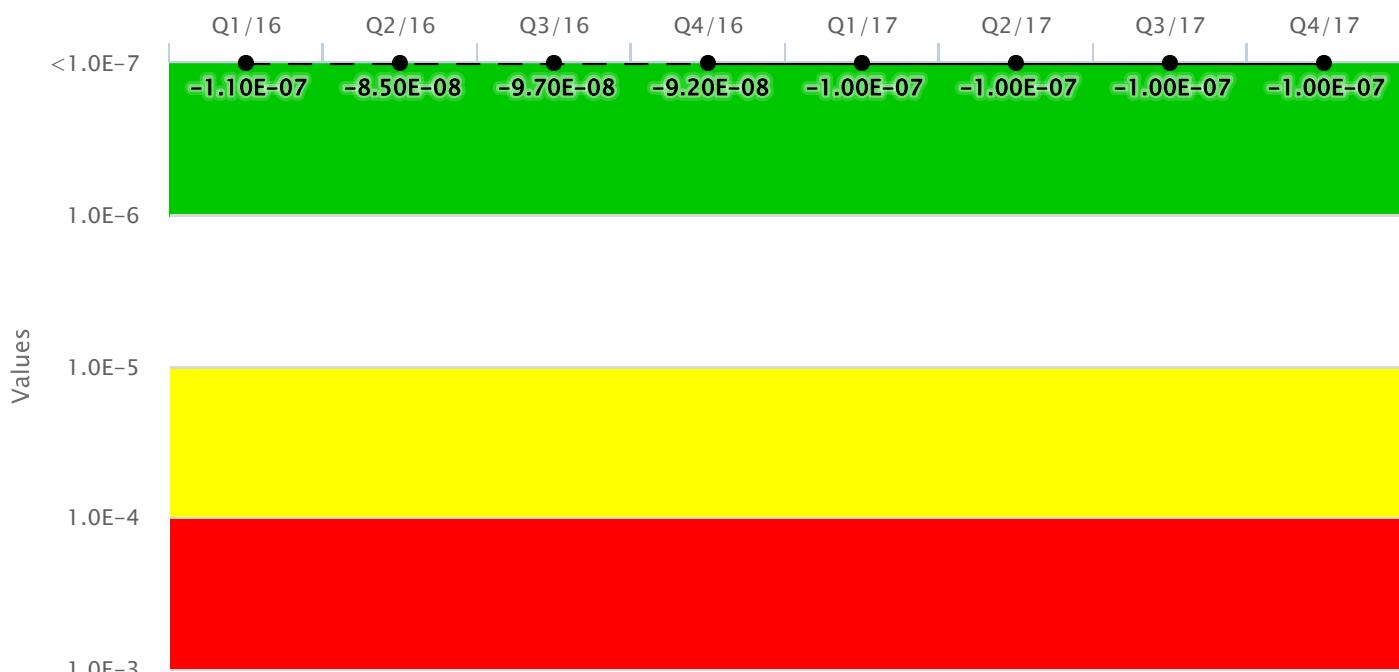
Notes

Mitigating Systems Performance Index, High Pressure Injection System	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI (Δ CDF)	3.63E-08	3.14E-08	3.28E-08	2.92E-08	2.86E-08	2.74E-08	1.68E-08	1.49E-08
URI (Δ CDF)	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	1.66E-08	7.17E-09	7.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.30E-08 4.80E-08 4.90E-08 4.60E-08 4.50E-08 4.40E-08 2.40E-08 2.20E-08							



Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI (Δ CDF)	-5.57E-09	1.64E-08	4.68E-09	1.03E-08	2.99E-09	9.67E-10	-3.48E-10	1.71E-09
URI (Δ CDF)	-1.02E-07	-1.02E-07	-1.02E-07	-1.03E-07	-1.03E-07	-1.03E-07	-1.03E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07 -8.50E-08 -9.70E-08 -9.20E-08 -1.00E-07 -1.00E-07 -1.00E-07 -1.00E-07							

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Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System


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

Notes

Mitigating Systems

Performance Index, Residual

Heat Removal System

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI (Δ CDF)	1.78E-08	1.91E-08	1.17E-08	1.47E-08	1.69E-08	1.45E-08	1.69E-08	1.97E-08
URI (Δ CDF)	6.45E-08	6.45E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08	-2.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value

8.20E-08 8.40E-08 -1.10E-08 -8.10E-09 -6.00E-09 -8.30E-09 -5.90E-09 -3.10E-09
 TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

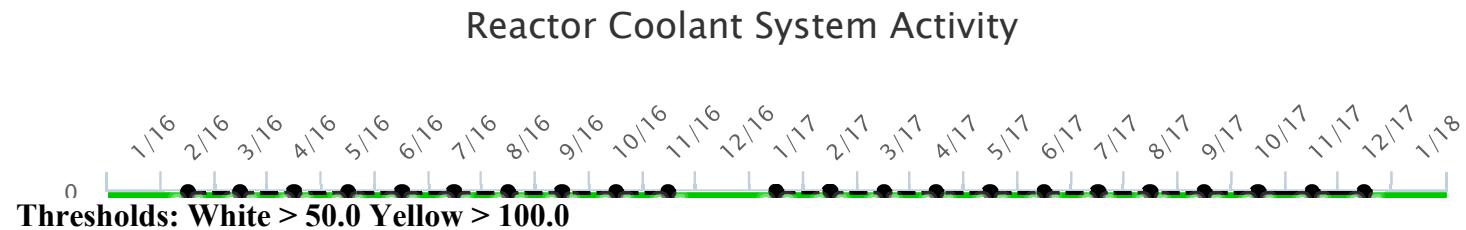
Mitigating Systems Performance Index, Cooling

Water Systems	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI (Δ CDF)	5.76E-09	5.23E-09	8.15E-09	7.61E-09	1.18E-08	1.44E-08	2.49E-08	3.52E-08
URI (Δ CDF)	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.68E-09	-7.79E-09	-7.79E-09	-7.79E-09
PLE	NO							

Indicator value **-1.90E-09 -2.50E-09 4.70E-10 -7.00E-11 4.10E-09 6.60E-09 1.70E-08 2.70E-08**

TOP

Licensee Comments: none



Notes

Reactor Coolant System Activity

Indicator value

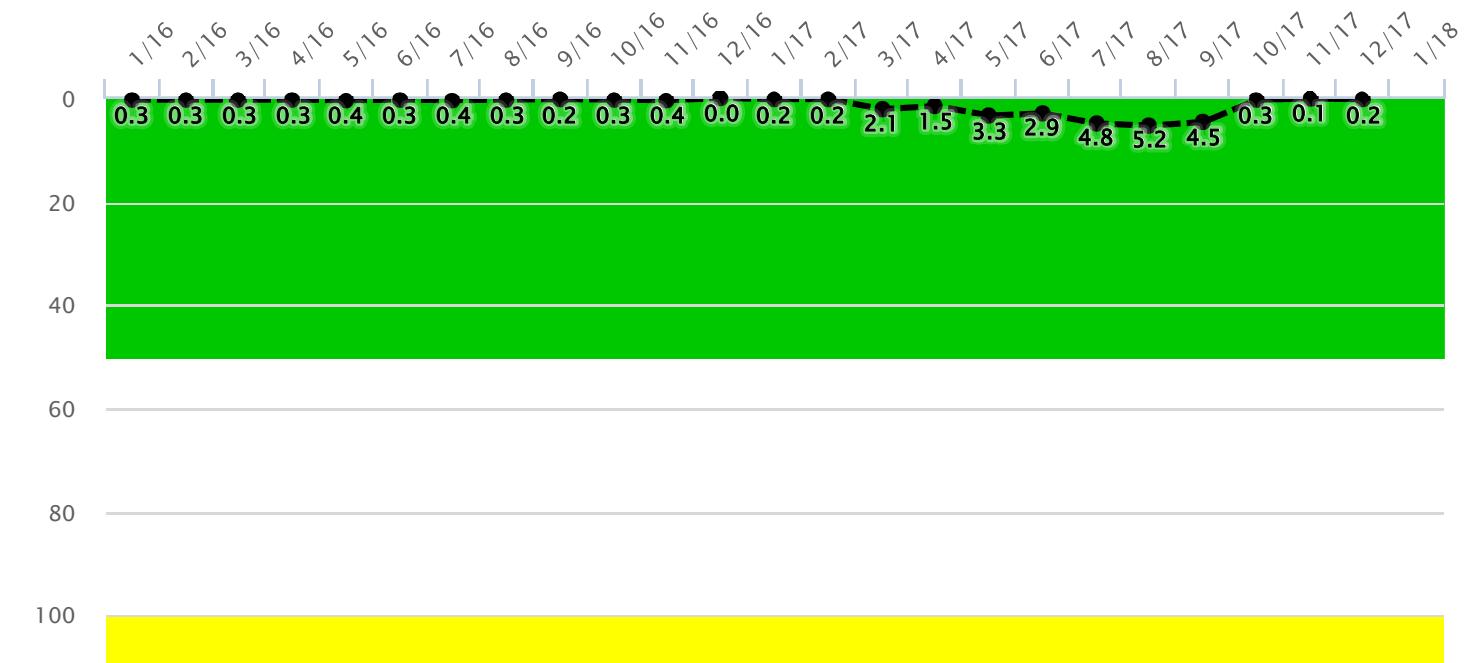
Indicator value

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Licensee Comments: none

Licensee Comments:

Reactor Coolant System Leakage



Drill/Exercise Performance



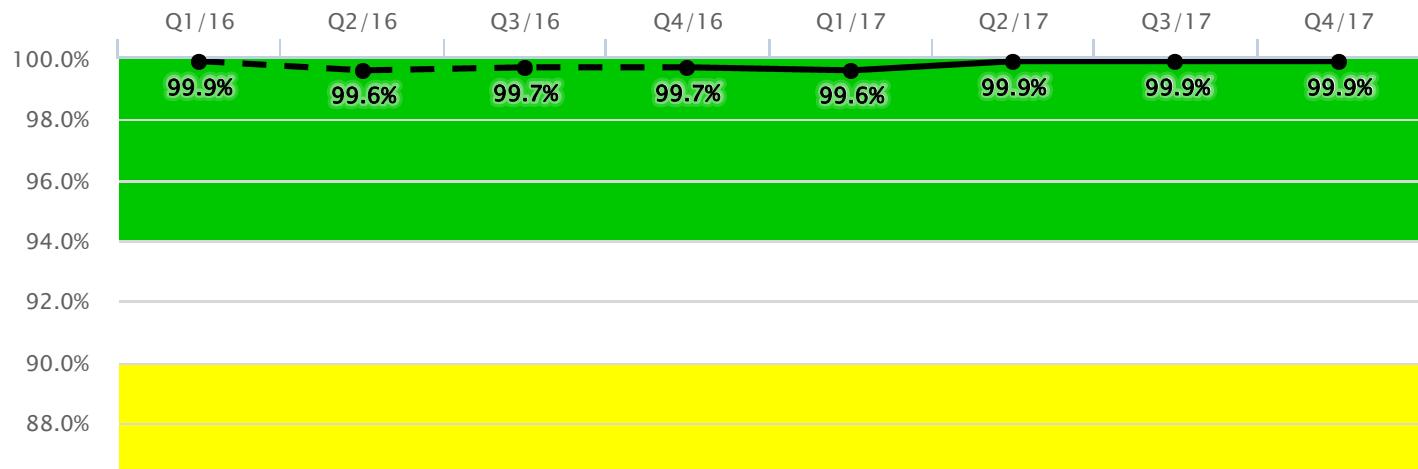
Thresholds: White < 90.0% Yellow < 70.0%

ERO Drill Participation



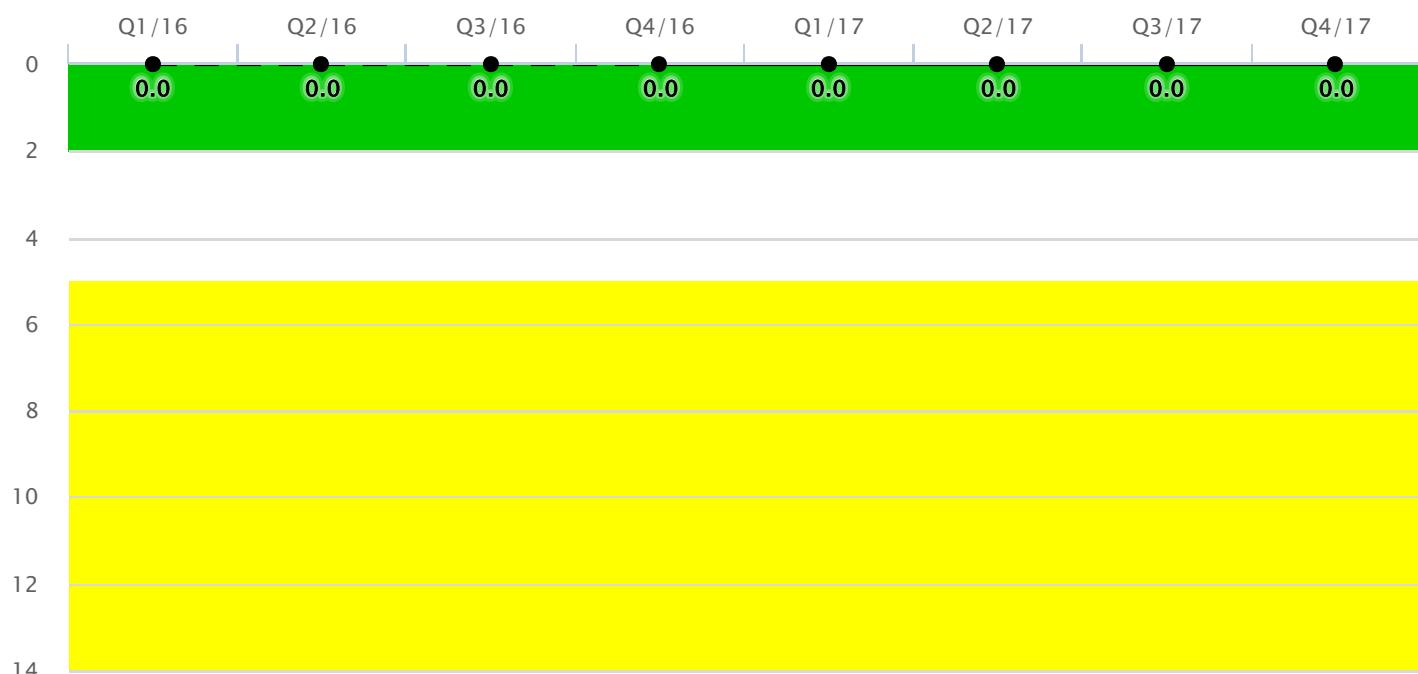
Thresholds: White < 80.0% Yellow < 60.0%

Alert & Notification System



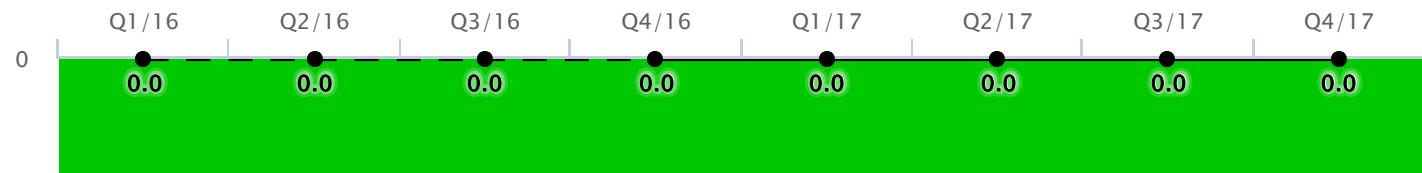
Thresholds: White < 94.0% Yellow < 90.0%

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

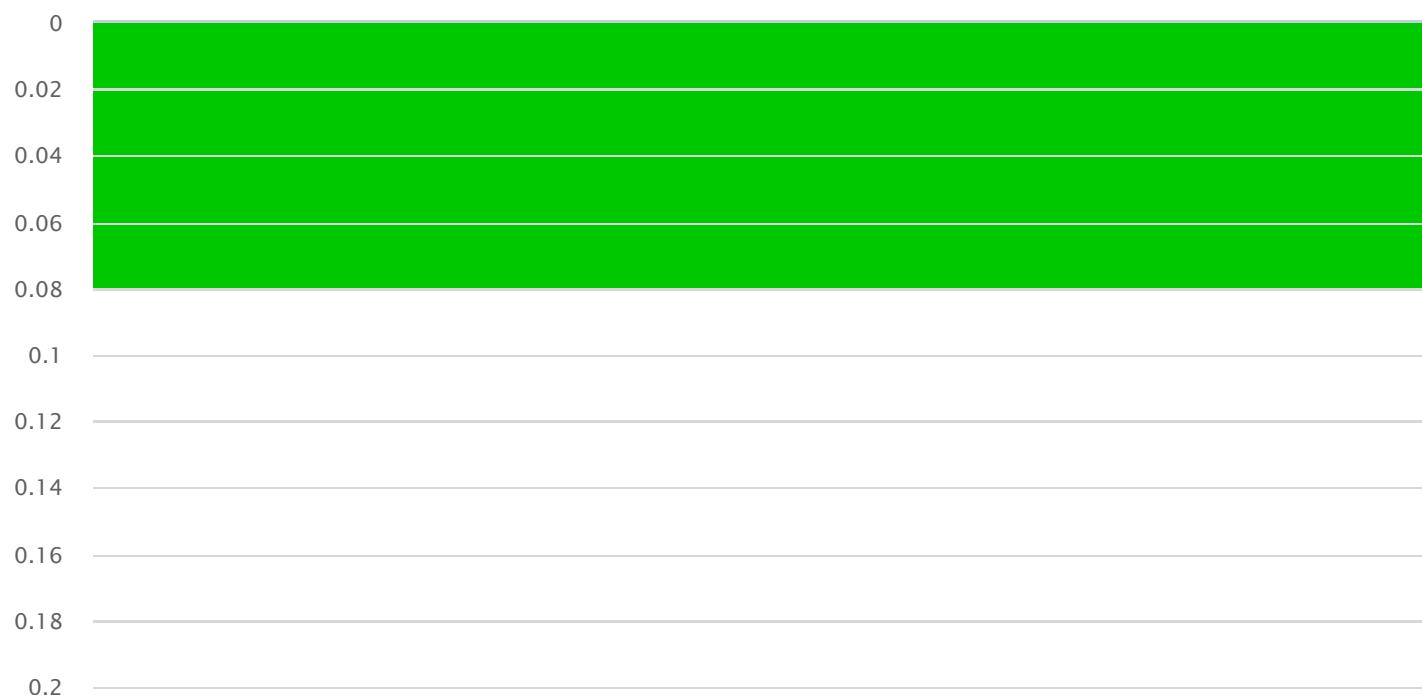
RETS/ODCM Radiological Effluent



2

Thresholds: White > 1.0 Yellow > 3.0

Protected Area Security Performance Index



Thresholds: White > 0.08

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Page Last Reviewed/Updated Friday, April 20, 2018