Sequoyah 2

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	1.0
Critical hours	2160.0	1649.4	2208.0	2209.0	2142.8
Indicator value	**1.6**	**1.7**	**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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2160.0	1649.4	2208.0	2209.0	2142.8
Indicator value	**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/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 unplanned hrs were changed to planned hrs based on review 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	30.50	0.80	11.10	7.20	7.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	11.50	7.10	0.40	4.20	9.20
Unplanned unavailable hours	0	0	6.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	12.30	13.60	2.20	1.90	20.40
Unplanned unavailable hours	12.10	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	12.80	12.50	9.20	7.00	10.80

Unplanned unavailable hours	0	0	0	0	2.60
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

1Q/00: Changes were made 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	20.60	12.00	17.80	6.10	12.48
Unplanned unavailable hours	0	0	0	0	15.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	27.10	2.30	5.23	4.80	10.72
Unplanned unavailable hours	0	0	12.60	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00

Train 3					
Planned unavailable hours	24.00	41.80	10.10	18.20	14.60
Unplanned unavailable hours	35.80	0	8.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1649.40	2208.00	2209.00	2184.00
Indicator value	**0.8%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments:

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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/99**	**2Q/99**	**3Q/99**	**4Q/99**	**1Q/00**
Train 1					
Planned unavailable hours	42.00	13.80	2.80	2.20	24.50
Unplanned unavailable hours	0	42.20	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	27.50	6.40	1.70	5.30	9.80
Unplanned unavailable hours	0	0	0	0	0

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

Licensee Comments:

1Q/00: Hours were 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	1
Indicator value	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000860	0.116000	0.095700	0.010600	0.004080	0.004110	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870
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**	**33.1**	**27.3**	**3.0**	**1.2**	**1.2**	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.110	0.150	0.130	0.120	0.110	0.110	0.120	0.110	0.090	0.140	0.110	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**	**1.5**	**1.3**	**1.2**	**1.1**	**1.1**	**1.2**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**

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

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 in 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

Last Modified: April 1, 2002

Sequoyah 2

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	1.0	0
Critical hours	1649.4	2208.0	2209.0	2142.8	2183.0
Indicator value	**1.7**	**0.9**	**0**	**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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	1.0	0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	1649.4	2208.0	2209.0	2142.8	2183.0
Indicator value	**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/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 changed to planned hrs based on review performed for PER-01-2932-000

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	0.80	11.10	7.20	7.10	5.10
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	1649.40	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	7.10	0.40	4.20	9.20	5.60
Unplanned unavailable hours	0	6.00	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1649.40	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	13.60	2.20	1.90	20.40	5.20
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	1649.40	2208.00	2209.00	2184.00	2183.00

Train 4					
Planned unavailable hours	12.50	9.20	7.00	10.80	7.40
Unplanned unavailable hours	0	0	0	2.60	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1649.40	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)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: Changes were made 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	12.00	17.80	6.10	12.48	12.15
Unplanned unavailable hours	0	0	0	15.50	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1649.40	2208.00	2209.00	2184.00	2183.00

Train 2					
Planned unavailable hours	2.30	5.23	4.80	10.72	12.96
Unplanned unavailable hours	0	12.60	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1649.40	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	41.80	10.10	18.20	14.60	9.63
Unplanned unavailable hours	0	8.00	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1649.40	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	13.80	2.80	2.20	24.50	10.20
Unplanned unavailable hours	42.20	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	6.40	1.70	5.30	9.80	6.20
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	2184.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments:

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)MAY00 and JUN00 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: Hours were 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	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.010600	0.004080	0.004110	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160
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**	**1.2**	**1.2**	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**

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	0.120	0.110	0.110	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.1**	**1.1**	**1.2**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**

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.

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 in 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

Last Modified: April 1, 2002

Sequoyah 2

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2142.8	2183.0	2208.0
Indicator value	**0.9**	**0**	**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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	1.0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2142.8	2183.0	2208.0
Indicator value	**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/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 changed to planned hrs based on review performed for PER-01-2932-000

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	11.10	7.20	7.10	5.10	10.40
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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	0.40	4.20	9.20	5.60	3.10
Unplanned unavailable hours	6.00	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	2.20	1.90	20.40	5.20	11.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00

Train 4					
Planned unavailable hours	9.20	7.00	10.80	7.40	15.80
Unplanned unavailable hours	0	0	2.60	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**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)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)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: Changes were made 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	17.80	6.10	12.48	12.15	15.38
Unplanned unavailable hours	0	0	15.50	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	5.23	4.80	10.72	12.96	19.11
Unplanned unavailable hours	12.60	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	10.10	18.20	14.60	9.63	2.58
Unplanned unavailable hours	8.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments:

3Q/00: Jul00 Train 2 and Train 3 revised to include testing unavailability.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2.80	2.20	24.50	10.20	15.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	1.70	5.30	9.80	6.20	27.10
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.6%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**

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)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)MAY00 and JUN00 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: Hours were revised to add SSPS unavailability which was required by FAQ #290.

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400
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	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**

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	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	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**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

4Q/2000 Performance Indicators

Licensee's General Comments: Unplanned hours on safety system HPSI and RHR found following original submittal.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	1.0	0	0	1.0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**1.7**

Licensee Comments:

4Q/00: U2C10 RFO began on October 22 @ 2200 EST. Unit 2 experienced an unplanned automatic scram on November 17 as the result of sudden pressure on spare transfer.

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	1.0	0	0	0
Indicator value	**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	2142.8	2183.0	2208.0	1656.2
Indicator value	**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
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: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER 01-2932-000

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

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	7.20	7.10	5.10	10.40	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	2184.00	2183.00	2208.00	1748.40
Train 2					
Planned unavailable hours	4.20	9.20	5.60	3.10	19.70
Unplanned unavailable hours	0	0	0	0	9.90
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	1748.40
Train 3					
Planned unavailable hours	1.90	20.40	5.20	11.00	5.40
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	2209.00	2184.00	2183.00	2208.00	1734.10
Train 4					
Planned unavailable hours	7.00	10.80	7.40	15.80	1.70
Unplanned unavailable hours	0	2.60	0	0	9.90
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	1734.10
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 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)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)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: Changes were made 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	6.10	12.48	12.15	15.38	12.70
Unplanned unavailable hours	0	15.50	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	1734.10
Train 2					
Planned unavailable hours	4.80	10.72	12.96	19.11	5.51
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	1748.40
Train 3					
Planned unavailable hours	18.20	14.60	9.63	2.58	0.77
Unplanned unavailable hours	0	0	0	0	6.80
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	1710.10
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**

Licensee Comments:

4Q/00: Fault exposure hours from a previous design deficiency were not reported.

4Q/00: 1)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability.

3Q/00: Jul00 Train 2 and Train 3 revised to include testing unavailability.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2.20	24.50	10.20	15.30	11.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2131.70
Train 2					
Planned unavailable hours	5.30	9.80	6.20	27.10	17.60
Unplanned unavailable hours	0	0	0	0	9.90
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	2131.70
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.6%**

Licensee Comments:

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 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. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error.

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)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)MAY00 and JUN00 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: Hours were 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	1	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400	0.010800	0.000613	0.000584
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	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**	**4.3**	**0.2**	**0.2**

Licensee Comments:

12/00: 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 on 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	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	0.120	0.120	0.130	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.2**	**1.3**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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 in 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

Last Modified: March 28, 2002

Sequoyah 2

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	1.0	0	0	1.0	0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2	2160.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**1.7**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	1.0	0	0	0	0
Indicator value	**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	2142.8	2183.0	2208.0	1656.2	2160.0
Indicator value	**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
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: JAN01 train 1 unplanned hrs were changed to planned hrs based on review performed for PER 01-2932-000

4Q/00: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER 01-2932-000

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

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	7.20	7.10	5.10	10.40	2.30	10.70
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	1748.40	2160.00
Train 2						
Planned unavailable hours	4.20	9.20	5.60	3.10	19.70	3.90
Unplanned unavailable hours	0	0	0	0	9.90	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	1748.40	2160.00
Train 3						
Planned unavailable hours	1.90	20.40	5.20	11.00	5.40	7.30

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	1734.10	2160.00
Train 4						
Planned unavailable hours	7.00	10.80	7.40	15.80	1.70	4.90
Unplanned unavailable hours	0	2.60	0	0	9.90	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	1734.10	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)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 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)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)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: Changes were made 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	6.10	12.48	12.15	15.38	12.70	2.80
Unplanned unavailable hours	0	15.50	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	1734.10	2160.00
Train 2						
Planned unavailable hours	4.80	10.72	12.96	19.11	5.51	4.61
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	1748.40	2160.00
Train 3						
Planned unavailable hours	18.20	14.60	9.63	2.58	0.77	13.70
Unplanned unavailable hours	0	0	0	0	6.80	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	1710.10	2160.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments:

1Q/01: JAN01 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)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: Jul00 Train 2 and Train 3 revised to include testing unavailability.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2.20	24.50	10.20	15.30	11.80	20.50
Unplanned unavailable hours	0	0	0	0	0	3.20
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	2131.70	2160.00
Train 2						
Planned unavailable hours	5.30	9.80	6.20	27.10	17.60	3.20
Unplanned unavailable hours	0	0	0	0	9.90	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	2131.70	2160.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.6%**	**0.7%**

Licensee Comments:

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

1Q/01: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 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. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error.

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)Hours were revised to add SSPS unavailability which was required by FAQ #290.

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

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

1Q/00: Hours were 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	1	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400
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	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**

Licensee Comments: none

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	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	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**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.120	0.130	0.110	0.110	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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 in 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

Last Modified: March 28, 2002

Sequoyah 2

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2	2160.0	2183.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**1.7**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	1.0	0	0	0	0	0
Indicator value	**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	2142.8	2183.0	2208.0	1656.2	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: JAN01 train 1 unplanned hrs were changed to planned hrs based on review performed for PER 01-2932-000

4Q/00: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER 01-2932-000

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

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	7.20	7.10	5.10	10.40	2.30	10.70	3.70
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00
Train 2							
Planned unavailable hours	4.20	9.20	5.60	3.10	19.70	3.90	11.50
Unplanned unavailable hours	0	0	0	0	9.90	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	1748.40	2160.00	2183.00
Train 3							
Planned unavailable hours	1.90	20.40	5.20	11.00	5.40	7.30	6.10

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	2184.00	2183.00	2208.00	1734.10	2160.00	2183.00
Train 4							
Planned unavailable hours	7.00	10.80	7.40	15.80	1.70	4.90	9.00
Unplanned unavailable hours	0	2.60	0	0	9.90	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	1734.10	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**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)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)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 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)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)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: Changes were made 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	6.10	12.48	12.15	15.38	12.70	2.80	12.08
Unplanned unavailable hours	0	15.50	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	1734.10	2160.00	2183.00
Train 2							
Planned unavailable hours	4.80	10.72	12.96	19.11	5.51	4.61	11.60
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	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00
Train 3							
Planned unavailable hours	18.20	14.60	9.63	2.58	0.77	13.70	3.95
Unplanned unavailable hours	0	0	0	0	6.80	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	1710.10	2160.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

2Q/01: Apr00, May00, Jul00 and OCT00 unavailability hours have been revised to include additional testing unavailability.

2Q/01: 1)Apr00, May00, Jul00 and OCT00 unavailability hours have been revised to include additional testing unavailability. 2)Hours for APR01 train 1 and train 2, MAY01 train 1, and JUN01 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: JAN01 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)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability.

3Q/00: Jul00 Train 2 and Train 3 revised to include testing unavailability.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2.20	24.50	10.20	15.30	11.80	20.50	10.10
Unplanned unavailable hours	0	0	0	0	0	3.20	54.40
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	2131.70	2160.00	2183.00
Train 2							

Planned unavailable hours	5.30	9.80	6.20	27.10	17.60	3.20	3.10
Unplanned unavailable hours	0	0	0	0	9.90	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	2131.70	2160.00	2183.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.6%**	**0.7%**	**0.8%**

Licensee Comments:

2Q/01: Train 1 RHR heat exchanger discharge isolation valve to component cooling tripped on thermal overload; used entire LCO time including time from when the valve operator tripped to the time the valve was left in the failed open position so that it could perform its safety function. Also, revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. Oct00 unplanned hours were incorrectly entered on Train 1 and have been correctly moved to Train 2.

2Q/01: 1)Train 1 RHR heat exchanger discharge isolation valve to component cooling tripped on thermal overload; used entire LCO time including time from when the valve operator tripped to the time the valve was left in the failed open position so that it could perform its safety function. Also, revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. Oct00 unplanned hours were incorrectly entered on Train 1 and have been correctly moved to Train 2. 2)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)Hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 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)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: Testing hours added with 2Q/01 report. Color unaffected.

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

1Q/00: Hours were 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	1	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400
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	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	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**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.120	0.130	0.110	0.110	0.110	0.110	0.110	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2	2160.0	2183.0	2208.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**1.7**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**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	2142.8	2183.0	2208.0	1656.2	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/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: JAN01 train 1 unplanned hrs were changed to planned hrs based on review performed for PER 01-2932-000

4Q/00: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER 01-2932-000

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

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	7.20	7.10	5.10	10.40	2.30	10.70	3.70	17.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	4.20	9.20	5.60	3.10	19.70	3.90	11.50	16.90
Unplanned unavailable hours	0	0	0	0	9.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.90	20.40	5.20	11.00	5.40	7.30	6.10	9.00

Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	7.00	10.80	7.40	15.80	1.70	4.90	9.00	20.60
Unplanned unavailable hours	0	2.60	0	0	9.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

3Q/01: 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)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)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 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)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)Hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Changes were made 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	6.10	12.48	12.15	15.38	12.70	2.80	12.08	3.17
Unplanned unavailable hours	0	15.50	0	0	0	0	0	0
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	1734.10	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	4.80	10.72	12.96	19.11	5.51	4.61	11.60	6.21
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1748.40	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	18.20	14.60	9.63	2.58	0.77	13.70	3.95	6.54
Unplanned unavailable hours	0	0	0	0	6.80	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	2209.00	2184.00	2183.00	2208.00	1710.10	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

3Q/01: JUL01 train 1, AUG01 train 2, and SEP01 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/01: 1)Apr00, May00, Jul00 and OCT00 unavailability hours have been revised to include additional testing unavailability. 2)Hours for APR01 train 1 and train 2, MAY01 train 1, and JUN01 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: JAN01 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)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	2.20	24.50	10.20	15.30	11.80	20.50	10.10	7.70
Unplanned unavailable hours	0	0	0	0	0	3.20	54.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2131.70	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.30	9.80	6.20	27.10	17.60	3.20	3.10	16.20
Unplanned unavailable hours	0	0	0	0	9.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2131.70	2160.00	2183.00	2208.00

Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments:

3Q/01: Hours were revised to add SSPS unavailability per FAQ #290.

2Q/01: 1)Train 1 RHR heat exchanger discharge isolation valve to component cooling tripped on thermal overload; used entire LCO time including time from when the valve operator tripped to the time the valve was left in the failed open position so that it could perform its safety function. Also, revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. Oct00 unplanned hours were incorrectly entered on Train 1 and have been correctly moved to Train 2. 2)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)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. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 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)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)MAY00 and JUN00 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Hours were 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	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400
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	**1.2**	**14.7**	**1.4**	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780
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	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	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**	**1.1**	**0.9**	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.120	0.130	0.110	0.110	0.110	0.110	0.110	0.120	0.110	0.110	0.100	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

Last Modified: March 26, 2002

Sequoyah 2

4Q/2001 Performance Indicators

Licensee's General Comments: Reason for changes noted in Comments section

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	2142.8	2183.0	2208.0	1656.2	2160.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.7**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	1.0	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	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	2142.8	2183.0	2208.0	1656.2	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/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: JAN01 train 1 unplanned hrs were changed to planned hrs based on review performed for PER 01-2932-000

4Q/00: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER

01-2932-000

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

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review 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	7.10	5.10	10.40	2.30	10.70	3.70	17.10	2.40
Unplanned unavailable hours	0	0	0	0	0	0	0	4.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	9.20	5.60	3.10	19.70	3.90	11.50	16.90	3.50
Unplanned unavailable hours	0	0	0	9.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	20.40	5.20	11.00	5.40	7.30	6.10	9.00	4.40
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	2184.00	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	10.80	7.40	15.80	1.70	4.90	9.00	20.60	4.00
Unplanned unavailable hours	2.60	0	0	9.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00

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

Licensee Comments:

3Q/01: 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)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)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 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)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)Hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Changes were made 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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	12.48	12.15	15.38	12.70	2.80	12.08	3.17	16.32
Unplanned unavailable hours	15.50	0	0	0	0	0	0	0
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	1734.10	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	10.72	12.96	19.11	5.51	4.61	11.60	6.21	11.28

Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	14.60	9.63	2.58	0.77	13.70	3.95	6.54	4.12
Unplanned unavailable hours	0	0	0	6.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1710.10	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

3Q/01: JUL01 train 1, AUG01 train 2, and SEP01 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/01: 1)Apr00, May00, Jul00 and OCT00 unavailability hours have been revised to include additional testing unavailability. 2)Hours for APR01 train 1 and train 2, MAY01 train 1, and JUN01 train 2 were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: JAN01 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)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 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	24.50	10.20	15.30	11.80	20.50	10.10	7.70	4.80
Unplanned unavailable hours	0	0	0	0	3.20	54.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2131.70	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	9.80	6.20	27.10	17.60	3.20	3.10	16.20	12.60
Unplanned unavailable hours	0	0	0	9.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2131.70	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments:

3Q/01: Hours were revised to add SSPS unavailability per FAQ #290.

2Q/01: 1)Train 1 RHR heat exchanger discharge isolation valve to component cooling tripped on thermal overload; used entire LCO time including time from when the valve operator tripped to the time the valve was left in the failed open position so that it could perform its safety function. Also, revised 2Q, 3Q, and 4Q 2000 and 1Q 2001 data to include planned unavailability resulting from testing and support system unavailability. Color unaffected. Oct00 unplanned hours were incorrectly entered on Train 1 and have been correctly moved to Train 2. 2)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)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. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 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)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)MAY00 and JUN00 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Hours were 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	1	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400	0.010800	0.000613	0.000584
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	**8.1**	**1.4**	**1.1**	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**	**4.3**	**0.2**	**0.2**

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	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794
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	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	0.120	0.120	0.130	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.1**	**1.0**	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.2**	**1.3**	**1.1**

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	0.110	0.110	0.110	0.110	0.120	0.110	0.110	0.100	0.110	0.110	0.110	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**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**

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

Sequoyah 2

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1656.2	2160.0	2183.0	2208.0	2209.0	2160.0
Indicator value	**0.8**	**0.8**	**1.7**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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**	**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/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	2208.0	1656.2	2160.0	2183.0	2208.0	2209.0	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

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	5.10	10.40	2.30	10.70	3.70	17.10	2.40	3.90
Unplanned unavailable hours	0	0	0	0	0	0	4.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	5.60	3.10	19.70	3.90	11.50	16.90	3.50	3.60
Unplanned unavailable hours	0	0	9.90	0	0	0	0	0
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	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	5.20	11.00	5.40	7.30	6.10	9.00	4.40	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	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	7.40	15.80	1.70	4.90	9.00	20.60	4.00	6.60
Unplanned unavailable hours	0	0	9.90	0	0	0	0	0
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	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments:

1Q/02: Pg 33 of NEI 99-02 Rev 2 contains a paragraph on failures that are not capable of being discovered during normal surveillance tests. When such a failure occurs the hours are not included in the normal PI hours submittal, but are submitted as a comment. On 3/20/02 notification was made to the NRC for failing to maintain all provisions of the Fire Protection Program. 10 CFR 50 Appendix R requires separation of cables and equipment and associated non-safety circuits of redundant trains. An evaluation determined interaction would occur between the control cable for the VCT outlet valves 2-FCV-62-132 and 133 and the power cable for the RWST outlet valves 2-FCV-62-135 and 136. This interaction would cause a potential loss of suction to the operating CCP. Reference PER 02-000576-000 and its functional evaluation.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**
Train 1								
Planned unavailable hours	12.15	15.38	12.70	2.80	12.08	3.17	16.32	25.35
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	12.96	19.11	5.51	4.61	11.60	6.21	11.28	3.44
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00

Train 3								
Planned unavailable hours	9.63	2.58	0.77	13.70	3.95	6.54	4.12	5.47
Unplanned unavailable hours	0	0	6.80	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	2183.00	2208.00	1710.10	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**

Licensee Comments:

1Q/02: On 2/15/02 at 1811 EST, SQN NOMS has an entry that states that due to S/G level indication uncertainties arising from a Diablo Canyon Reactor Trip and Westinghouse Advisory Letter NSAL-02-3, 3.0.3 was entered on Unit 2 for 3 minutes. S/G level uncertainty has increased such that the EAM feature becomes non-conservative with respect to safety analysis. With the EAM deactivated, the NSAL becomes a non-issue. For Unit 2, 3.0.3 was entered for 3 minutes until the EAM was deactivated. For Unit 1, the EAM was already deactivated due to a venting procedure being performed. All 3 trains of Unit 2 AFW would have been unavailable for these 3 minutes due to the increased uncertainty factor for the Lo-Lo S/G level instrumentation, which actuates the AFW start signal. These minutes are being submitted in comments because this instrumentation failure was not capable of being discovered during normal surveillance tests. Reference PER 02-2298 and its functional evaluation.

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	10.20	15.30	11.80	20.50	10.10	7.70	4.80	17.90
Unplanned unavailable hours	0	0	0	3.20	54.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								

Planned unavailable hours	6.20	27.10	17.60	3.20	3.10	16.20	12.60	24.30
Unplanned unavailable hours	0	0	9.90	0	0	0	0	0
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	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.7%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635
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	**1.2**	**1.0**	**1.5**	**2.4**	**13.5**	**14.7**	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**

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	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570
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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**

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	0.100	0.120	0.110	0.120	0.130	0.120	0.120	0.130	0.110	0.110	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**

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	0.110	0.120	0.110	0.110	0.100	0.110	0.110	0.110	0.100	0.100	0.100	0.150
Technical specification limit	10.0	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**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	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%**	**95.5%**

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

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

Sequoyah 2

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	1.0	0	0	0	0	0	2.0
Critical hours	2208.0	1656.2	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0
Indicator value	**0.8**	**1.7**	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1656.2	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/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%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	10.40	2.30	10.70	3.70	17.10	2.40	3.90	0
Unplanned unavailable hours	0	0	0	0	0	4.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20
Train 2								
Planned unavailable hours	3.10	19.70	3.90	11.50	16.90	3.50	3.60	1.70
Unplanned unavailable hours	0	9.90	0	0	0	0	0	0
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	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20
Train 3								

Planned unavailable hours	11.00	5.40	7.30	6.10	9.00	4.40	5.20	0.70
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	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80
Train 4								
Planned unavailable hours	15.80	1.70	4.90	9.00	20.60	4.00	6.60	1.80
Unplanned unavailable hours	0	9.90	0	0	0	0	0	0
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	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	15.38	12.70	2.80	12.08	3.17	16.32	25.35	0.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1441.13
Train 2								
Planned unavailable hours	19.11	5.51	4.61	11.60	6.21	11.28	3.44	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	2208.00	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1420.79
Train 3								
Planned unavailable hours	2.58	0.77	13.70	3.95	6.54	4.12	5.47	8.36
Unplanned unavailable hours	0	6.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1710.10	2160.00	2183.00	2208.00	2209.00	2160.00	1385.49
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	15.30	11.80	20.50	10.10	7.70	4.80	17.90	11.70
Unplanned unavailable hours	0	0	3.20	54.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00
Train 2								
Planned unavailable hours	27.10	17.60	3.20	3.10	16.20	12.60	24.30	13.20
Unplanned unavailable hours	0	9.90	0	0	0	0	0	0
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	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00
Indicator value	**0.7%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**

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

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/00**	**8/00**	**9/00**	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**
Maximum activity	0.008430	0.047300	0.051400	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694
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	**2.4**	**13.5**	**14.7**	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

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	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501
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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.120	0.130	0.120	0.120	0.130	0.110	0.110	0.110	0.110	0.110	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.3**	**1.2**	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.110	0.100	0.110	0.110	0.110	0.100	0.100	0.100	0.150	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	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**

Licensee Comments:

6/02: P1191

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

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	1.0	0	0	0	0	0	2.0	1.0
Critical hours	1656.2	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9
Indicator value	**1.7**	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**	**2.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1656.2	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	2.30	10.70	3.70	17.10	2.40	3.90	0	3.10
Unplanned unavailable hours	0	0	0	0	4.10	0	0	10.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00
Train 2								
Planned unavailable hours	19.70	3.90	11.50	16.90	3.50	3.60	1.70	8.80
Unplanned unavailable hours	9.90	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	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00
Train 3								
Planned unavailable hours	5.40	7.30	6.10	9.00	4.40	5.20	0.70	3.30
Unplanned unavailable hours	0	0	0	0	0	0	0	1.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00
Train 4								
Planned unavailable hours	1.70	4.90	9.00	20.60	4.00	6.60	1.80	8.80
Unplanned unavailable hours	9.90	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	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	12.70	2.80	12.08	3.17	16.32	25.35	0.90	4.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1734.10	2160.00	2183.00	2208.00	2209.00	2160.00	1441.13	2208.00
Train 2								
Planned unavailable hours	5.51	4.61	11.60	6.21	11.28	3.44	2.30	2.61
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1748.40	2160.00	2183.00	2208.00	2209.00	2160.00	1420.79	2208.00
Train 3								
Planned unavailable hours	0.77	13.70	3.95	6.54	4.12	5.47	8.36	16.99
Unplanned unavailable hours	6.80	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1710.10	2160.00	2183.00	2208.00	2209.00	2160.00	1385.49	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**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	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	11.80	20.50	10.10	7.70	4.80	17.90	11.70	8.40
Unplanned unavailable hours	0	3.20	54.40	0	0	0	0	1.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00
Train 2								
Planned unavailable hours	17.60	3.20	3.10	16.20	12.60	24.30	13.20	8.80
Unplanned unavailable hours	9.90	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	2131.70	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00
Indicator value	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

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

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780
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	**4.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

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	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500
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	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**

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	0.120	0.130	0.110	0.110	0.110	0.110	0.110	0.120	0.110	0.110	0.100	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.3**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.110	0.110	0.100	0.100	0.100	0.150	0.030	0.040	0.030	0	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	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	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

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: October 22, 2002

Sequoyah 2

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	0	0	0	2.0	1.0	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**	**2.7**	**3.6**

Licensee Comments:

4Q/02: Unplanned automatic scram on 12/26/02 at 1620 EST.

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**	**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/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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	10.70	3.70	17.10	2.40	3.90	0	12.90	5.50
Unplanned unavailable hours	0	0	0	4.10	0	0	1.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70
Train 2								
Planned unavailable hours	3.90	11.50	16.90	3.50	3.60	1.70	8.80	10.10
Unplanned unavailable hours	0	0	0	0	0	0	2.30	8.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70
Train 3								
Planned unavailable hours	7.30	6.10	9.00	4.40	5.20	0.70	3.30	2.10
Unplanned unavailable hours	0	0	0	0	0	0	1.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90
Train 4								
Planned unavailable hours	4.90	9.00	20.60	4.00	6.60	1.80	8.80	11.50
Unplanned unavailable hours	0	0	0	0	0	0	2.30	3.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90

Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments:

3Q/02: 01/15/03 -- revised Train 1 to change 9.8 unplanned hours to 9.8 planned hours

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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	2.80	12.08	3.17	16.32	25.35	0.90	4.65	2.34
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1441.13	2208.00	2115.70
Train 2								
Planned unavailable hours	4.61	11.60	6.21	11.28	3.44	2.30	2.61	14.45
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	2209.00	2160.00	1420.79	2208.00	2108.90
Train 3								
Planned unavailable hours	13.70	3.95	6.54	4.12	5.47	8.36	16.99	8.07
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	2160.00	2183.00	2208.00	2209.00	2160.00	1385.49	2208.00	2108.90

Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**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	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**
Train 1								
Planned unavailable hours	20.50	10.10	7.70	4.80	17.90	11.70	8.40	1.80
Unplanned unavailable hours	3.20	54.40	0	0	0	0	1.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00
Train 2								
Planned unavailable hours	3.20	3.10	16.20	12.60	24.30	13.20	8.80	12.00
Unplanned unavailable hours	0	0	0	0	0	0	2.30	3.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

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	0.000590	0.000789	0.000635	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794
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	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Activity	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	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190
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	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**

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	0.110	0.110	0.110	0.110	0.120	0.110	0.110	0.100	0.110	0.110	0.110	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**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**

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	0.150	0.030	0.040	0.030	0	0.030	0.030	0.010	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	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**

Licensee Comments: none

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

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

Sequoyah 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	2.0	1.0	1.0	1.0
Critical hours	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7
Indicator value	**0.9**	**0.9**	**0**	**0**	**1.8**	**2.7**	**3.6**	**4.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	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%**

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	3.70	17.10	2.40	3.90	0	12.90	5.50	3.00
Unplanned unavailable hours	0	0	4.10	0	0	1.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30
Train 2								
Planned unavailable hours	11.50	16.90	3.50	3.60	1.70	8.80	10.10	2.60
Unplanned unavailable hours	0	0	0	0	0	2.30	8.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30
Train 3								

Planned unavailable hours	6.10	9.00	4.40	5.20	0.70	3.30	2.10	11.80
Unplanned unavailable hours	0	0	0	0	0	1.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90
Train 4								
Planned unavailable hours	9.00	20.60	4.00	6.60	1.80	8.80	11.50	10.70
Unplanned unavailable hours	0	0	0	0	0	2.30	3.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	12.08	3.17	16.32	25.35	0.90	4.65	2.34	8.19
Unplanned unavailable hours	0	0	0	0	0	0	0	0

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	1441.13	2208.00	2115.70	2064.27
Train 2								
Planned unavailable hours	11.60	6.21	11.28	3.44	2.30	2.61	14.45	8.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1420.79	2208.00	2108.90	2052.85
Train 3								
Planned unavailable hours	3.95	6.54	4.12	5.47	8.36	16.99	8.07	18.69
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	2183.00	2208.00	2209.00	2160.00	1385.49	2208.00	2108.90	2052.85
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	10.10	7.70	4.80	17.90	11.70	8.40	1.80	12.70
Unplanned unavailable hours	54.40	0	0	0	0	1.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.10	16.20	12.60	24.30	13.20	8.80	12.00	2.60
Unplanned unavailable hours	0	0	0	0	0	2.30	3.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

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**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**
Maximum activity	0.000667	0.000742	0.000694	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570
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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**

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	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380
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	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.110	0.120	0.110	0.110	0.100	0.110	0.110	0.110	0.100	0.100	0.100	0.150
Technical specification limit	10.0	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**	**1.2**	**1.1**	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.030	0.040	0.030	0	0.030	0.030	0.010	0.030	0.020	0.040	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	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**

Licensee Comments: none

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	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

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Sequoyah 2

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	2.0	1.0	1.0	1.0	1.0
Critical hours	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9
Indicator value	**0.9**	**0**	**0**	**1.8**	**2.7**	**3.6**	**4.8**	**3.4**

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	1.0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	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%**

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	17.10	2.40	3.90	0	12.90	5.50	3.00	2.90
Unplanned unavailable hours	0	4.10	0	0	1.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30	2183.00
Train 2								
Planned unavailable hours	16.90	3.50	3.60	1.70	8.80	10.10	2.60	1.60
Unplanned unavailable hours	0	0	0	0	2.30	8.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30	2183.00
Train 3								

Planned unavailable hours	9.00	4.40	5.20	0.70	3.30	2.10	11.80	9.20
Unplanned unavailable hours	0	0	0	0	1.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90	2183.00
Train 4								
Planned unavailable hours	20.60	4.00	6.60	1.80	8.80	11.50	10.70	1.60
Unplanned unavailable hours	0	0	0	0	2.30	3.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90	2183.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	3.17	16.32	25.35	0.90	4.65	2.34	8.19	3.29
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1441.13	2208.00	2115.70	2064.27	2183.00
Train 2								
Planned unavailable hours	6.21	11.28	3.44	2.30	2.61	14.45	8.33	14.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1420.79	2208.00	2108.90	2052.85	2183.00
Train 3								
Planned unavailable hours	6.54	4.12	5.47	8.36	16.99	8.07	18.69	10.17
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1385.49	2208.00	2108.90	2052.85	2183.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments: none

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	7.70	4.80	17.90	11.70	8.40	1.80	12.70	3.60
Unplanned unavailable hours	0	0	0	0	1.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	16.20	12.60	24.30	13.20	8.80	12.00	2.60	1.60
Unplanned unavailable hours	0	0	0	0	2.30	3.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

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**

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	0.000774	0.000760	0.000780	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501
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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**

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	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900
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	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.110	0.100	0.110	0.110	0.110	0.100	0.100	0.100	0.150	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	**1.1**	**1.0**	**1.1**	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0	0.030	0.030	0.010	0.030	0.020	0.040	0.020	0.020	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	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

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 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	2.0	1.0	1.0	1.0	1.0	0
Critical hours	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0
Indicator value	**0**	**0**	**1.8**	**2.7**	**3.6**	**4.8**	**3.4**	**2.6**

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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments:

3Q/03:

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	1.0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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	0.62
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%**	**1.6%**

Licensee Comments:

3Q/03:

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	2.40	3.90	0	12.90	5.50	3.00	2.90	1.10
Unplanned unavailable hours	4.10	0	0	1.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00
Train 2								
Planned unavailable hours	3.50	3.60	1.70	8.80	10.10	2.60	1.60	2.40
Unplanned unavailable hours	0	0	0	2.30	8.60	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2209.00	2160.00	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00
Train 3								
Planned unavailable hours	4.40	5.20	0.70	3.30	2.10	11.80	9.20	1.10
Unplanned unavailable hours	0	0	0	1.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00
Train 4								
Planned unavailable hours	4.00	6.60	1.80	8.80	11.50	10.70	1.60	2.40
Unplanned unavailable hours	0	0	0	2.30	3.60	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00
Indicator value	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**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

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	16.32	25.35	0.90	4.65	2.34	8.19	3.29	7.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1441.13	2208.00	2115.70	2064.27	2183.00	2208.00
Train 2								
Planned unavailable hours	11.28	3.44	2.30	2.61	14.45	8.33	14.80	21.04
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1420.79	2208.00	2108.90	2052.85	2183.00	2208.00
Train 3								
Planned unavailable hours	4.12	5.47	8.36	16.99	8.07	18.69	10.17	28.46
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1385.49	2208.00	2108.90	2052.85	2183.00	2208.00
Indicator value	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

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	4.80	17.90	11.70	8.40	1.80	12.70	3.60	2.60
Unplanned unavailable hours	0	0	0	1.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	12.60	24.30	13.20	8.80	12.00	2.60	1.60	2.40
Unplanned unavailable hours	0	0	0	2.30	3.60	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**

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**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000763	0.000847	0.000794	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500
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	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**

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	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940
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	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**

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	0.110	0.100	0.100	0.100	0.150	0.030	0.040	0.030	0	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	**1.1**	**1.1**	**1.0**	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.010	0.030	0.020	0.040	0.020	0.020	0.020	0.020	0.010	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	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	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.

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	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

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

Sequoyah 2

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	2.0	1.0	1.0	1.0	1.0	0	0
Critical hours	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1
Indicator value	**0**	**1.8**	**2.7**	**3.6**	**4.8**	**3.4**	**2.6**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

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	1.0	0	0	1.0	0	0	1.0
Critical hours	2160.0	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/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	0.62	0
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%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	3.90	0	12.90	5.50	3.00	2.90	1.10	1.30
Unplanned unavailable hours	0	0	1.00	0	0	0	0	0
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	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00	1605.70
Train 2								
Planned unavailable hours	3.60	1.70	8.80	10.10	2.60	1.60	2.40	0.60
Unplanned unavailable hours	0	0	2.30	8.60	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	2160.00	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00	1605.70
Train 3								

Planned unavailable hours	5.20	0.70	3.30	2.10	11.80	9.20	1.10	1.30
Unplanned unavailable hours	0	0	1.00	0	0	0	0	0
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	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00	1559.00
Train 4								
Planned unavailable hours	6.60	1.80	8.80	11.50	10.70	1.60	2.40	0
Unplanned unavailable hours	0	0	2.30	3.60	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	2160.00	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00	1559.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, 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	25.35	0.90	4.65	2.34	8.19	3.29	7.80	15.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1441.13	2208.00	2115.70	2064.27	2183.00	2208.00	1572.00
Train 2								
Planned unavailable hours	3.44	2.30	2.61	14.45	8.33	14.80	21.04	1.08
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	2160.00	1420.79	2208.00	2108.90	2052.85	2183.00	2208.00	1575.30
Train 3								
Planned unavailable hours	5.47	8.36	16.99	8.07	18.69	10.17	28.46	11.96
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1385.49	2208.00	2108.90	2052.85	2183.00	2208.00	1523.20
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments: none

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	17.90	11.70	8.40	1.80	12.70	3.60	2.60	10.80
Unplanned unavailable hours	0	0	1.00	0	0	0	0	0
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	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00	2067.40
Train 2								
Planned unavailable hours	24.30	13.20	8.80	12.00	2.60	1.60	2.40	10.20
Unplanned unavailable hours	0	0	2.30	3.60	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	2160.00	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00	2067.40
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

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**

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	0.000880	0.000909	0.001570	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190
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	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**

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	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940	0.002950	0.003420	0.000579
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	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**

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	0.150	0.030	0.040	0.030	0	0.030	0.030	0.010	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	**1.0**	**1.0**	**1.5**	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**

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	0.040	0.020	0.020	0.020	0.020	0.010	0.020	0.020	0.030	0.080	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	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**	**0.8**	**0.1**	**0.2**

Licensee Comments: none

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.

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	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

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

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1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	2.0	1.0	1.0	1.0	1.0	0	0	0
Critical hours	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0
Indicator value	**1.8**	**2.7**	**3.6**	**4.8**	**3.4**	**2.6**	**1.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	1.0	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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	1.0	0	0	1.0	0	0	1.0	0
Critical hours	1310.0	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**1.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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	0.62	0	0
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	0	12.90	5.50	3.00	2.90	1.10	1.30	1.70
Unplanned unavailable hours	0	1.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00
Train 2								
Planned unavailable hours	1.70	8.80	10.10	2.60	1.60	2.40	0.60	2.70
Unplanned unavailable hours	0	2.30	8.60	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	1441.20	2208.00	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00
Train 3								
Planned unavailable hours	0.70	3.30	2.10	11.80	9.20	1.10	1.30	2.50
Unplanned unavailable hours	0	1.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00
Train 4								
Planned unavailable hours	1.80	8.80	11.50	10.70	1.60	2.40	0	5.10
Unplanned unavailable hours	0	2.30	3.60	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	1420.80	2208.00	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0.90	4.65	2.34	8.19	3.29	7.80	15.25	14.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1441.13	2208.00	2115.70	2064.27	2183.00	2208.00	1572.00	2184.00
Train 2								
Planned unavailable hours	2.30	2.61	14.45	8.33	14.80	21.04	1.08	3.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1420.79	2208.00	2108.90	2052.85	2183.00	2208.00	1575.30	2184.00
Train 3								
Planned unavailable hours	8.36	16.99	8.07	18.69	10.17	28.46	11.96	12.47
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	1385.49	2208.00	2108.90	2052.85	2183.00	2208.00	1523.20	2184.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**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

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	11.70	8.40	1.80	12.70	3.60	2.60	10.80	1.70
Unplanned unavailable hours	0	1.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00	2067.40	2184.00
Train 2								
Planned unavailable hours	13.20	8.80	12.00	2.60	1.60	2.40	10.20	2.70
Unplanned unavailable hours	0	2.30	3.60	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	1831.00	2208.00	2209.00	2160.00	2183.00	2208.00	2067.40	2184.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**

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	0.001070	0.000390	0.000501	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380
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	**0.4**	**0.2**	**0.2**	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**

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	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940	0.002950	0.003420	0.000579	0.000549	0.000609	0.000641
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	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.030	0.040	0.030	0	0.030	0.030	0.010	0.030	0.020	0.040	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	**0.3**	**0.4**	**0.3**	**0**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.020	0.020	0.010	0.020	0.020	0.030	0.080	0.010	0.020	0.050	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	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2004

Sequoyah 2

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	1.0	1.0	1.0	1.0	0	0	0	0
Critical hours	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0
Indicator value	**2.7**	**3.6**	**4.8**	**3.4**	**2.6**	**1.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	1.0	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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2167.9	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0
Indicator value	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/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	57.22	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	51.07	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	36.37	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%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	12.90	5.50	3.00	2.90	1.10	1.30	1.70	3.00
Unplanned unavailable hours	1.00	0	0	0	0	0	0	0
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	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00
Train 2								
Planned unavailable hours	8.80	10.10	2.60	1.60	2.40	0.60	2.70	1.20
Unplanned unavailable hours	2.30	8.60	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	2208.00	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00
Train 3								
Planned unavailable hours	3.30	2.10	11.80	9.20	1.10	1.30	2.50	5.40
Unplanned unavailable hours	1.00	0	0	0	0	0	0	0
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	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00
Train 4								
Planned unavailable hours	8.80	11.50	10.70	1.60	2.40	0	5.10	1.20
Unplanned unavailable hours	2.30	3.60	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	2208.00	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00

Indicator value	**0.4%**	**0.4%**	**0.4%**	**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)	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**
Train 1								
Planned unavailable hours	4.65	2.34	8.19	3.29	7.80	15.25	14.50	19.84
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	2115.70	2064.27	2183.00	2208.00	1572.00	2184.00	2183.00
Train 2								
Planned unavailable hours	2.61	14.45	8.33	14.80	21.04	1.08	3.67	18.61
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	2108.90	2052.85	2183.00	2208.00	1575.30	2184.00	2183.00
Train 3								
Planned unavailable hours	16.99	8.07	18.69	10.17	28.46	11.96	12.47	18.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2108.90	2052.85	2183.00	2208.00	1523.20	2184.00	2183.00

Indicator value	**0.5%**	**0.5%**	**0.4%**	**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/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**
Train 1								
Planned unavailable hours	8.40	1.80	12.70	3.60	2.60	10.80	1.70	14.80
Unplanned unavailable hours	1.00	0	0	0	0	0	0	0
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	2067.40	2184.00	2183.00
Train 2								
Planned unavailable hours	8.80	12.00	2.60	1.60	2.40	10.20	2.70	2.90
Unplanned unavailable hours	2.30	3.60	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	2208.00	2209.00	2160.00	2183.00	2208.00	2067.40	2184.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**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	0.000504	0.111000	0.099500	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900
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	**0.2**	**44.4**	**39.8**	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**
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	0.002130	0.001940	0.002940	0.002950	0.003420	0.000579	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767
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	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	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	0.030	0.030	0.010	0.030	0.020	0.040	0.020	0.020	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.3**	**0.3**	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**

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	0.020	0.020	0.030	0.080	0.010	0.020	0.050	0.010	0.020	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**

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.

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

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3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	1.0	1.0	1.0	0	0	0	0	0
Critical hours	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0
Indicator value	**3.6**	**4.8**	**3.4**	**2.6**	**1.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	1.0	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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	2081.3	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0
Indicator value	**0.9**	**1.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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	57.22	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	51.07	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	36.37	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

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	5.50	3.00	2.90	1.10	1.30	1.70	3.00	19.90
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	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	10.10	2.60	1.60	2.40	0.60	2.70	1.20	18.10
Unplanned unavailable hours	8.60	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	2115.70	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	2.10	11.80	9.20	1.10	1.30	2.50	5.40	12.30
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	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00	2208.00
Train 4								
Planned unavailable hours	11.50	10.70	1.60	2.40	0	5.10	1.20	10.70
Unplanned unavailable hours	3.60	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	2108.90	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00	2208.00
Indicator value	**0.4%**	**0.4%**	**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)	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**
Train 1								
Planned unavailable hours	2.34	8.19	3.29	7.80	15.25	14.50	19.84	12.16
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	2115.70	2064.27	2183.00	2208.00	1572.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	14.45	8.33	14.80	21.04	1.08	3.67	18.61	5.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2108.90	2052.85	2183.00	2208.00	1575.30	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	8.07	18.69	10.17	28.46	11.96	12.47	18.55	5.57
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2108.90	2052.85	2183.00	2208.00	1523.20	2184.00	2183.00	2208.00
Indicator value	**0.5%**	**0.4%**	**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/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**
Train 1								
Planned unavailable hours	1.80	12.70	3.60	2.60	10.80	1.70	14.80	8.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	12.00	2.60	1.60	2.40	10.20	2.70	2.90	11.50
Unplanned unavailable hours	3.60	0	0	0	0	0	0	8.30
Fault exposure hours	0	0	0	0	0	0	0	35.30
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.4%**	**0.5%**

Licensee Comments: none

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	0.032300	0.014000	0.006190	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940
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	**12.9**	**5.6**	**2.5**	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**
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	0.002950	0.003420	0.000579	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767	0.000768	0.000731	0.000710
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**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.010	0.030	0.020	0.040	0.020	0.020	0.020	0.020	0.010	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	**0.1**	**0.3**	**0.2**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**
Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	0.080	0.010	0.020	0.050	0.010	0.020	0.020	0.020	0.010	0.010	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	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

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4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	1.0	1.0	0	0	0	0	0	0
Critical hours	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0
Indicator value	**4.8**	**3.4**	**2.6**	**1.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	1.0	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

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	1756.7	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0
Indicator value	**1.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	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	57.22	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	51.07	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	36.37	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

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	3.00	2.90	1.10	1.30	1.70	3.00	19.90	3.10
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	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	2.60	1.60	2.40	0.60	2.70	1.20	18.10	3.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2064.30	2183.00	2208.00	1605.70	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	11.80	9.20	1.10	1.30	2.50	5.40	12.30	5.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	10.70	1.60	2.40	0	5.10	1.20	10.70	3.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2052.90	2183.00	2208.00	1559.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.4%**	**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)	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**
Train 1								
Planned unavailable hours	8.19	3.29	7.80	15.25	14.50	19.84	12.16	3.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2064.27	2183.00	2208.00	1572.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	8.33	14.80	21.04	1.08	3.67	18.61	5.82	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	2052.85	2183.00	2208.00	1575.30	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	18.69	10.17	28.46	11.96	12.47	18.55	5.57	2.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2052.85	2183.00	2208.00	1523.20	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.4%**	**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/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**
Train 1								
Planned unavailable hours	12.70	3.60	2.60	10.80	1.70	14.80	8.60	2.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	2.60	1.60	2.40	10.20	2.70	2.90	11.50	2.70
Unplanned unavailable hours	0	0	0	0	0	0	8.30	0
Fault exposure hours	0	0	0	0	0	0	35.30	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments: none

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	0.013500	0.014700	0.006380	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940	0.002950	0.003420	0.000581
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	**5.4**	**5.9**	**2.6**	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**

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	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments:

12/03: This change is being made because the value initially reported contained an error in the data. The data was changed and the change is reflected in the revised data. This error was documented in the corrective action program.

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	0.040	0.020	0.020	0.020	0.020	0.010	0.020	0.020	0.030	0.080	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	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**	**0.8**	**0.1**	**0.2**
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	0.050	0.010	0.020	0.020	0.020	0.010	0.010	0.010	0.020	0.020	0.010	0.010
Technical specification limit	10.0	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**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Sequoyah 2

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	1.0	0	0	0	0	0	0	1.0
Critical hours	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5
Indicator value	**3.4**	**2.6**	**1.9**	**0.9**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	1.0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2156.9	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5
Indicator value	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	7.70	57.22	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	51.07	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	36.37	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	2.90	1.10	1.30	1.70	3.00	19.90	3.10	11.60
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	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.60	2.40	0.60	2.70	1.20	18.10	3.50	3.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	9.20	1.10	1.30	2.50	5.40	12.30	5.50	1.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	1.60	2.40	0	5.10	1.20	10.70	3.20	1.40
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	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**
Train 1								
Planned unavailable hours	3.29	7.80	15.25	14.50	19.84	12.16	3.03	2.16
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	2183.00	2208.00	1572.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	14.80	21.04	1.08	3.67	18.61	5.82	4.20	3.49
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1575.30	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	10.17	28.46	11.96	12.47	18.55	5.57	2.67	8.18
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1523.20	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**
Train 1								
Planned unavailable hours	3.60	2.60	10.80	1.70	14.80	8.60	2.90	17.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.60	2.40	10.20	2.70	2.90	11.50	2.70	14.20
Unplanned unavailable hours	0	0	0	0	0	8.30	0	0
Fault exposure hours	0	0	0	0	0	35.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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	0.007650	0.007960	0.003900	0.002130	0.001940	0.002940	0.002950	0.003420	0.000581	0.000549	0.000609	0.000641
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	**3.1**	**3.2**	**1.6**	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.000695	0.000743	0.000767	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0.020	0.020	0.010	0.020	0.020	0.030	0.080	0.010	0.020	0.050	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	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.3**	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**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	0.020	0.020	0.010	0.010	0.010	0.020	0.020	0.010	0.010	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	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**

Licensee Comments: none

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

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2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1
Indicator value	**2.6**	**1.9**	**0.9**	**0**	**0**	**0**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1
Indicator value	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	57.22	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	51.07	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	36.37	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	1.10	1.30	1.70	3.00	19.90	3.10	11.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10
Train 2								
Planned unavailable hours	2.40	0.60	2.70	1.20	18.10	3.50	3.50	2.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10
Train 3								
Planned unavailable hours	1.10	1.30	2.50	5.40	12.30	5.50	1.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20
Train 4								
Planned unavailable hours	2.40	0	5.10	1.20	10.70	3.20	1.40	1.70
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	2208.00	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20
Indicator value	**0.3%**	**0.3%**	**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)	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**
Train 1								
Planned unavailable hours	7.80	15.25	14.50	19.84	12.16	3.03	2.16	1.15
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	2208.00	1572.00	2184.00	2183.00	2208.00	2209.00	2160.00	1455.11
Train 2								
Planned unavailable hours	21.04	1.08	3.67	18.61	5.82	4.20	3.49	19.72
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1575.30	2184.00	2183.00	2208.00	2209.00	2160.00	1440.23
Train 3								
Planned unavailable hours	28.46	11.96	12.47	18.55	5.57	2.67	8.18	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1523.20	2184.00	2183.00	2208.00	2209.00	2160.00	1410.43
Indicator value	**0.5%**	**0.5%**	**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	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**
Train 1								
Planned unavailable hours	2.60	10.80	1.70	14.80	8.60	2.90	17.80	5.80
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	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00	1913.90
Train 2								
Planned unavailable hours	2.40	10.20	2.70	2.90	11.50	2.70	14.20	7.40
Unplanned unavailable hours	0	0	0	0	8.30	0	0	0
Fault exposure hours	0	0	0	0	35.30	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00	1913.90
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments: none

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	0.002130	0.001940	0.002940	0.002950	0.003420	0.000581	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767
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	**0.9**	**0.8**	**1.2**	**0.8**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852	0.001660	N/A	0.000464
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.5**	**N/A**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	0.020	0.020	0.030	0.080	0.010	0.020	0.050	0.010	0.020	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**

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	0.010	0.010	0.020	0.020	0.010	0.010	0.030	0.030	0.020	0.010	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	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 3, 2005

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3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0
Indicator value	**1.9**	**0.9**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1377.1	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0
Indicator value	**1.9**	**0.9**	**0.9**	**0.9**	**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

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	1.30	1.70	3.00	19.90	3.10	11.60	0	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00
Train 2								
Planned unavailable hours	0.60	2.70	1.20	18.10	3.50	3.50	2.40	7.20
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	1605.70	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00
Train 3								
Planned unavailable hours	1.30	2.50	5.40	12.30	5.50	1.30	0	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	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20	2208.00
Train 4								
Planned unavailable hours	0	5.10	1.20	10.70	3.20	1.40	1.70	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	1559.00	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20	2208.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**
Train 1								
Planned unavailable hours	15.25	14.50	19.84	12.16	3.03	2.16	1.15	11.12
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	1572.00	2184.00	2183.00	2208.00	2209.00	2160.00	1455.11	2208.00
Train 2								
Planned unavailable hours	1.08	3.67	18.61	5.82	4.20	3.49	19.72	8.23
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	1575.30	2184.00	2183.00	2208.00	2209.00	2160.00	1440.23	2208.00
Train 3								
Planned unavailable hours	11.96	12.47	18.55	5.57	2.67	8.18	0	17.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1523.20	2184.00	2183.00	2208.00	2209.00	2160.00	1410.43	2208.00
Indicator value	**0.5%**	**0.5%**	**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	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**
Train 1								
Planned unavailable hours	10.80	1.70	14.80	8.60	2.90	17.80	5.80	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	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00	1913.90	2208.00
Train 2								
Planned unavailable hours	10.20	2.70	2.90	11.50	2.70	14.20	7.40	3.90
Unplanned unavailable hours	0	0	0	8.30	0	0	0	0
Fault exposure hours	0	0	0	35.30	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2067.40	2184.00	2183.00	2208.00	2209.00	2160.00	1913.90	2208.00
Indicator value	**0.6%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments: none

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	0.002950	0.003420	0.000581	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767	0.000768	0.000731	0.000710
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**	**1.0**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852	0.001660	N/A	0.000464	0.000434	0.000462	0.000463
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**	**0.2**	**0.2**	**0.4**	**0.2**	**0.5**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	0.080	0.010	0.020	0.050	0.010	0.020	0.020	0.020	0.010	0.010	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	**0.8**	**0.1**	**0.2**	**0.5**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**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	0.010	0.010	0.030	0.030	0.020	0.010	0.050	0.020	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	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**	**0.2**	**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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Sequoyah 2

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**

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	1796.0	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**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/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	1.70	3.00	19.90	3.10	11.60	0	5.20	7.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00	2209.00
Train 2								
Planned unavailable hours	2.70	1.20	18.10	3.50	3.50	2.40	7.20	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	2184.00	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00	2209.00
Train 3								
Planned unavailable hours	2.50	5.40	12.30	5.50	1.30	0	5.60	12.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20	2208.00	2209.00
Train 4								
Planned unavailable hours	5.10	1.20	10.70	3.20	1.40	1.70	4.20	2.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1440.20	2208.00	2209.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**
Train 1								
Planned unavailable hours	14.50	19.84	12.16	3.03	2.16	1.15	11.12	19.43
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1455.11	2208.00	2209.00
Train 2								
Planned unavailable hours	3.67	18.61	5.82	4.20	3.49	19.72	8.23	5.45
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	2184.00	2183.00	2208.00	2209.00	2160.00	1440.23	2208.00	2209.00
Train 3								
Planned unavailable hours	12.47	18.55	5.57	2.67	8.18	0	17.82	3.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1410.43	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**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	1.70	14.80	8.60	2.90	17.80	5.80	5.20	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	2209.00	2160.00	1913.90	2208.00	2209.00
Train 2								
Planned unavailable hours	2.70	2.90	11.50	2.70	14.20	7.40	3.90	1.90
Unplanned unavailable hours	0	0	8.30	0	0	0	0	0
Fault exposure hours	0	0	35.30	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	1913.90	2208.00	2209.00
Indicator value	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	0.000549	0.000609	0.000641	0.000695	0.000743	0.000767	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**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	0.000778	0.001351	0.000852	0.001660	N/A	0.000464	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490
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**	**0.2**	**0.5**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum leakage	0.050	0.010	0.020	0.020	0.020	0.010	0.010	0.010	0.020	0.020	0.010	0.010
Technical specification limit	10.0	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**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**
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	0.030	0.030	0.020	0.010	0.050	0.020	0.020	0.030	0.030	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	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

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1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	1.0	0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4
Indicator value	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**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/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	1.0
Critical hours	2183.0	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/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	3.00	19.90	3.10	11.60	0	5.20	7.60	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	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.20	18.10	3.50	3.50	2.40	7.20	4.20	26.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1455.10	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	5.40	12.30	5.50	1.30	0	5.60	12.80	2.10
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	2160.00	1440.20	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	1.20	10.70	3.20	1.40	1.70	4.20	2.60	17.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1440.20	2208.00	2209.00	2160.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**2Q/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**
Train 1								
Planned unavailable hours	19.84	12.16	3.03	2.16	1.15	11.12	19.43	3.43
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1455.11	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	18.61	5.82	4.20	3.49	19.72	8.23	5.45	21.87
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	2183.00	2208.00	2209.00	2160.00	1440.23	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	18.55	5.57	2.67	8.18	0	17.82	3.50	10.06
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	2183.00	2208.00	2209.00	2160.00	1410.43	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.5%**	**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/04**	**3Q/04**	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**
Train 1								
Planned unavailable hours	14.80	8.60	2.90	17.80	5.80	5.20	1.60	8.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1913.90	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.90	11.50	2.70	14.20	7.40	3.90	1.90	20.90
Unplanned unavailable hours	0	8.30	0	0	0	0	0	0
Fault exposure hours	0	35.30	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	1913.90	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	0.000695	0.000871	0.000767	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.001660	N/A	0.000464	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591
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**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.020	0.020	0.010	0.010	0.010	0.020	0.020	0.010	0.010	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	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**
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	0.010	0.050	0.020	0.020	0.030	0.030	0.030	0.020	0.020	0.010	0.010	0.010
Technical specification limit	10.0	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**	**0.5**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: May 5, 2006

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2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0
Indicator value	**0**	**0**	**0.8**	**0.9**	**0.9**	**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**

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**	**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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-3.30E-07
URI (ΔCDF)								-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 (ΔCDF)								3.50E-08
URI (ΔCDF)								-1.70E-07
PLE								NO
Indicator value								**-1.35E-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 (ΔCDF)								-2.20E-08
URI (ΔCDF)								-9.90E-08
PLE								NO
Indicator value								**-1.21E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-2.80E-08
URI (ΔCDF)								5.50E-07
PLE								NO
Indicator value								**5.22E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								4.30E-07
URI (ΔCDF)								-2.00E-07
PLE								NO
Indicator value								**2.30E-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	0.000768	0.000731	0.000710	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852	0.001660	N/A	0.000464
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.5**	**N/A**	**0.1**

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568
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**	**0.2**	**0.1**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.010	0.010	0.020	0.020	0.010	0.010	0.030	0.030	0.020	0.010	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	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**
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	0.020	0.030	0.030	0.030	0.020	0.020	0.010	0.010	0.010	0.020	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	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 2, 2006

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3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	1.0	0	0	0	1.0	0	0
Critical hours	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0
Indicator value	**0**	**0.8**	**0.9**	**0.9**	**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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.40E-07	1.40E-07
URI (ΔCDF)							-2.40E-06	-1.30E-06
PLE							NO	NO
Indicator value							**-2.26E-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 (ΔCDF)							3.50E-08	6.50E-08
URI (ΔCDF)							-1.70E-07	-1.70E-07
PLE							NO	NO
Indicator value							**-1.35E-07**	**-1.05E-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)							-9.90E-08	-9.90E-08
PLE							NO	NO
Indicator value							**-1.21E-07**	**-1.21E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-2.80E-08	-2.80E-08
URI (ΔCDF)							5.50E-07	5.50E-07
PLE							NO	NO
Indicator value							**5.22E-07**	**5.22E-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)							4.30E-07	1.50E-07
URI (ΔCDF)							-2.00E-07	-2.00E-07
PLE							NO	NO
Indicator value							**2.30E-07**	**-5.00E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000800	0.000727	0.000752	0.000778	0.001351	0.000852	0.001660	N/A	0.000464	0.000434	0.000462	0.000463
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**	**0.2**	**0.2**	**0.4**	**0.2**	**0.5**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713
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**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.010	0.010	0.030	0.030	0.020	0.010	0.050	0.020	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	**0.2**	**0.1**	**0.1**	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**	**0.2**	**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	0.020	0.010	0.010	0.010	0.020	0.010	0.020	0.020	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	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

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4Q/2006 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2124.5	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						1.40E-07	1.40E-07	1.40E-07
URI (ΔCDF)						-2.40E-06	-1.30E-06	-1.40E-06
PLE						NO	NO	NO
Indicator value						**-2.26E-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 (ΔCDF)						3.50E-08	6.50E-08	9.80E-08
URI (ΔCDF)						-1.70E-07	-1.70E-07	-1.70E-07
PLE						NO	NO	NO
Indicator value						**-1.35E-07**	**-1.05E-07**	**-7.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/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)						-9.90E-08	-9.90E-08	-9.60E-08
PLE						NO	NO	NO
Indicator value						**-1.21E-07**	**-1.21E-07**	**-1.18E-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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-2.80E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)						5.50E-07	5.50E-07	9.50E-08
PLE						NO	NO	NO
Indicator value						**5.22E-07**	**5.22E-07**	**6.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						4.30E-07	1.50E-07	-8.00E-07
URI (ΔCDF)						-2.00E-07	-2.00E-07	-2.00E-07
PLE						NO	NO	NO
Indicator value						**2.30E-07**	**-5.00E-08**	**-1.00E-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	0.000778	0.001351	0.000852	0.001660	N/A	0.000464	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490
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**	**0.2**	**0.5**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	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**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**N/A**

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	0.030	0.030	0.020	0.010	0.050	0.020	0.020	0.030	0.030	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	**0.3**	**0.3**	**0.2**	**0.1**	**0.5**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**
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	0.010	0.010	0.010	0.020	0.010	0.020	0.020	0.020	0.020	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**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 7, 2007

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1Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	1.0	0	0	0	2.0
Critical hours	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	**2.0**	**2.0**	**2.0**	**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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1386.1	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8
Indicator value	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**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 (ΔCDF)					1.40E-07	1.40E-07	1.40E-07	1.40E-07
URI (ΔCDF)					-2.40E-06	-1.30E-06	-1.40E-06	-1.50E-06
PLE					NO	NO	NO	NO
Indicator value					**-2.26E-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 (ΔCDF)					3.50E-08	6.50E-08	9.80E-08	1.00E-07
URI (ΔCDF)					-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.35E-07**	**-1.05E-07**	**-7.20E-08**	**-7.00E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)					-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08
PLE					NO	NO	NO	NO
Indicator value					**-1.21E-07**	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)					5.50E-07	5.50E-07	9.50E-08	9.50E-08
PLE					NO	NO	NO	NO
Indicator value					**5.22E-07**	**5.22E-07**	**6.70E-08**	**6.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-1.40E-07	-4.00E-07	-7.80E-07	-7.70E-07
URI (ΔCDF)					-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE					NO	NO	NO	NO
Indicator value					**-3.40E-07**	**-6.00E-07**	**-9.80E-07**	**-9.70E-07**

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	0.001660	N/A	0.000464	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591
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**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

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	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	N/A	0.000354	0.000396	0.000413
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**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	**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	0.010	0.050	0.020	0.020	0.030	0.030	0.030	0.020	0.020	0.010	0.010	0.010
Technical specification limit	10.0	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**	**0.5**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	0.020	0.010	0.020	0.020	0.020	0.020	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**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**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/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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 1, 2007

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2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	1.0	0	0	0	2.0	0
Critical hours	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**1.7**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	**2.0**	**2.0**	**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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**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 (ΔCDF)				1.40E-07	1.40E-07	1.40E-07	1.40E-07	1.40E-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				**-2.26E-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 (ΔCDF)				3.50E-08	6.50E-08	9.80E-08	1.00E-07	1.00E-07
URI (ΔCDF)				-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.35E-07**	**-1.05E-07**	**-7.20E-08**	**-7.00E-08**	**-7.00E-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/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	-2.30E-08
URI (ΔCDF)				-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.21E-07**	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)				5.50E-07	5.50E-07	9.50E-08	9.50E-08	9.50E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**5.22E-07**	**5.22E-07**	**6.70E-08**	**6.70E-08**	**6.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-1.40E-07	-4.00E-07	-7.80E-07	-7.70E-07	-7.70E-07
URI (ΔCDF)				-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-3.40E-07**	**-6.00E-07**	**-9.80E-07**	**-9.70E-07**	**-9.70E-07**

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	0.000434	0.000462	0.000463	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568
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**	**0.2**	**0.1**	**0.2**	**0.2**

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	0.000553	0.000686	0.000713	0.000611	0.000917	N/A	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379
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**	**0.2**	**0.2**	**0.3**	**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	**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	0.020	0.030	0.030	0.030	0.020	0.020	0.010	0.010	0.010	0.020	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	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**
Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0.020	0.020	0.020	0.030	0.030	0.020	0.030	0.020	0.020	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	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 6, 2007

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3Q/2007 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	1.0	0	0	0	2.0	0	0
Critical hours	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-4.40E-07	-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	-1.00E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.84E-06**	**-1.74E-06**	**-1.84E-06**	**-1.94E-06**	**-2.14E-06**	**-5.30E-07**

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)			3.50E-08	6.50E-08	9.80E-08	1.00E-07	1.00E-07	1.10E-07
URI (ΔCDF)			-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
Indicator value			**-1.35E-07**	**-1.05E-07**	**-7.20E-08**	**-7.00E-08**	**-7.00E-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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08
URI (ΔCDF)			-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.21E-07**	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08
URI (ΔCDF)			5.50E-07	5.50E-07	9.50E-08	9.50E-08	9.50E-08	-3.60E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**5.22E-07**	**5.22E-07**	**6.70E-08**	**6.70E-08**	**6.70E-08**	**-4.07E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-1.50E-06	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI (ΔCDF)			-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.70E-06**	**-2.60E-06**	**-3.00E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-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	0.000505	0.000483	0.000490	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713
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**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000611	0.000917	N/A	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392
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**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	0.030	0.020	0.020	0.010	0.010	0.010	0.020	0.010	0.020	0.020	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	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	0.030	0.030	0.020	0.030	0.020	0.020	0.020	0.030	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	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**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/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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: December 7, 2007

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4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	1.0	0	0	0	2.0	0	0	0
Critical hours	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**1.7**	**1.7**	**1.7**	**1.6**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	1.0	0	0	0	0	0	0	1.0
Critical hours	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-2.60E-07	-2.50E-07	-2.50E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.50E-07
URI (ΔCDF)		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		**1.04E-06**	**-1.45E-06**	**-1.55E-06**	**1.04E-06**	**7.40E-07**	**-1.09E-06**	**-1.17E-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).

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

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

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

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

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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		3.50E-08	6.50E-08	9.80E-08	1.00E-07	1.00E-07	1.10E-07	1.10E-07
URI (ΔCDF)		-1.70E-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
Indicator value		**-1.35E-07**	**-1.05E-07**	**-7.20E-08**	**-7.00E-08**	**-7.00E-08**	**-6.00E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI (ΔCDF)		-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.21E-07**	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**	**-1.19E-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 (ΔCDF)		-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08
URI (ΔCDF)		5.50E-07	5.50E-07	9.50E-08	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**5.22E-07**	**5.22E-07**	**6.70E-08**	**6.70E-08**	**6.70E-08**	**-4.07E-07**	**-4.07E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-1.50E-06	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI (ΔCDF)		-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.70E-06**	**-2.60E-06**	**-3.00E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-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 ajusted 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	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	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**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**N/A**

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	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426
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	**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	0.010	0.010	0.010	0.020	0.010	0.020	0.020	0.020	0.020	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**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**
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	0.020	0.020	0.020	0.030	0.030	0.020	0.030	0.030	0.020	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	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.2**	**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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 4, 2008

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1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	2.0	0	0	0	0
Critical hours	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0
Indicator value	**0.8**	**0.8**	**0.9**	**1.7**	**1.7**	**1.7**	**1.6**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-2.60E-07	-2.50E-07	-2.50E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.50E-07	-2.50E-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	**1.04E-06**	**-1.45E-06**	**-1.55E-06**	**1.04E-06**	**7.40E-07**	**-1.09E-06**	**-1.17E-06**	**-1.08E-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 (ΔCDF)	3.50E-08	6.50E-08	9.80E-08	1.00E-07	1.00E-07	1.10E-07	1.10E-07	1.70E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-1.35E-07**	**-1.05E-07**	**-7.20E-08**	**-7.00E-08**	**-7.00E-08**	**-6.00E-08**	**-6.00E-08**	**0.00E+00**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.21E-07**	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08
URI (ΔCDF)	5.50E-07	5.50E-07	9.50E-08	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.22E-07**	**5.22E-07**	**6.70E-08**	**6.70E-08**	**6.70E-08**	**-4.07E-07**	**-4.07E-07**	**-4.05E-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 (ΔCDF)	-1.50E-06	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-2.60E-06**	**-3.00E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.11E-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	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	N/A	0.000354	0.000396	0.000413
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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**N/A**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601
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**	**0.2**

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	0.020	0.010	0.020	0.020	0.020	0.020	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**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**
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	0.020	0.030	0.030	0.020	0.030	0.030	0.020	0.020	0.030	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.2**	**0.3**	**0.2**	**0.3**	**0.2**

Licensee Comments:

12/07: An error was identified in data for RCS identified leakage during later reviews for December 2007. This data was corrected during the 1st quarter of 2008.

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: April 30, 2008

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2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	2.0	0	0	0	0	0
Critical hours	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5
Indicator value	**0.8**	**0.9**	**1.7**	**1.7**	**1.7**	**1.6**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5
Indicator value	**0.8**	**0.9**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**

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 (ΔCDF)	-2.60E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07
URI (ΔCDF)	-1.20E-06	1.30E-06	1.30E-06	1.00E-06	-8.40E-07	-9.20E-07	-8.30E-07	-3.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.46E-06**	**1.04E-06**	**1.04E-06**	**7.50E-07**	**-1.08E-06**	**-1.16E-06**	**-1.07E-06**	**-5.80E-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).

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

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

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

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

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	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	6.50E-08	9.80E-08	1.00E-07	1.00E-07	1.10E-07	1.10E-07	1.70E-07	1.70E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-1.05E-07**	**-7.20E-08**	**-7.00E-08**	**-7.00E-08**	**-6.00E-08**	**-6.00E-08**	**0.00E+00**	**0.00E+00**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.20E-08
URI (ΔCDF)	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08	-8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.21E-07**	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08	8.00E-08
URI (ΔCDF)	5.50E-07	9.50E-08	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.22E-07**	**6.70E-08**	**6.70E-08**	**6.70E-08**	**-4.07E-07**	**-4.07E-07**	**-4.05E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-3.00E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.11E-06**	**-2.11E-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	0.000553	0.000686	0.000713	0.000611	0.000917	N/A	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379
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**	**0.2**	**0.2**	**0.3**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316
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**	**0.2**	**0.2**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0.020	0.020	0.020	0.030	0.030	0.020	0.030	0.020	0.020	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	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**
Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	0.020	0.030	0.030	0.020	0.020	0.030	0.020	0.030	0.020	0.030	0.050	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**	**0.3**	**0.3**	**0.2**	**0.2**	**0.3**	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

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3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	2.0	0	0	0	0	0	0
Critical hours	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2
Indicator value	**0.9**	**1.7**	**1.7**	**1.7**	**1.6**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2
Indicator value	**0.9**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.60E-07	-2.60E-07	-2.50E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07
URI (ΔCDF)	1.30E-06	1.30E-06	1.00E-06	1.20E-06	9.90E-07	1.20E-06	-1.30E-06	6.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.04E-06**	**1.04E-06**	**7.50E-07**	**9.60E-07**	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-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: 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: 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.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	9.80E-08	1.00E-07	1.00E-07	1.10E-07	1.10E-07	1.70E-07	1.70E-07	1.70E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-7.20E-08**	**-7.00E-08**	**-7.00E-08**	**-6.00E-08**	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.18E-07**	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07
URI (ΔCDF)	9.50E-08	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.70E-08**	**6.70E-08**	**6.70E-08**	**-4.07E-07**	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-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	0.000611	0.000917	N/A	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392
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**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309
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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.030	0.030	0.020	0.030	0.020	0.020	0.020	0.030	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	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**
Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	0.020	0.020	0.030	0.020	0.030	0.020	0.030	0.050	0.050	0.070	0.060	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**	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: November 26, 2008

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4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	2.0	0	0	0	0	0	0	0
Critical hours	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8
Indicator value	**1.7**	**1.7**	**1.7**	**1.6**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2118.8	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**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**	**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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-2.60E-07	-2.50E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07
URI (ΔCDF)	1.30E-06	1.00E-06	1.20E-06	9.90E-07	1.20E-06	-1.30E-06	6.80E-07	-2.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.04E-06**	**7.50E-07**	**9.60E-07**	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-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)	1.00E-07	1.00E-07	1.10E-07	1.10E-07	1.70E-07	1.70E-07	1.70E-07	1.60E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-7.00E-08**	**-7.00E-08**	**-6.00E-08**	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.18E-07**	**-1.19E-07**	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07	1.20E-07
URI (ΔCDF)	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.70E-08**	**6.70E-08**	**-4.07E-07**	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-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	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426
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	**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	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368
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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/07**	**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	0.020	0.020	0.020	0.030	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	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.2**	**0.3**
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	0.020	0.030	0.020	0.030	0.050	0.050	0.070	0.060	0.060	0.070	0.070	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	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

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.

Last Modified: February 4, 2009

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1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2
Indicator value	**1.7**	**1.7**	**1.6**	**0**	**0**	**0**	**0.9**	**1.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**

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**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-2.50E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07	-2.90E-07
URI (ΔCDF)	1.00E-06	1.20E-06	9.90E-07	1.20E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-07**	**9.60E-07**	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-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 (ΔCDF)	1.00E-07	1.10E-07	1.10E-07	1.70E-07	1.70E-07	1.70E-07	1.60E-07	1.40E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-7.00E-08**	**-6.00E-08**	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**	**-3.00E-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)	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.19E-07**	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**	**-1.06E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07	1.20E-07	1.20E-07
URI (ΔCDF)	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.70E-08**	**-4.07E-07**	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06	-2.60E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-06**	**-2.90E-06**	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-06**	**-2.01E-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	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601
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**	**0.2**
Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368
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**	**0.1**	**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	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	0.020	0.030	0.030	0.020	0.030	0.030	0.020	0.020	0.030	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.2**	**0.3**	**0.2**	**0.3**	**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	0.030	0.050	0.050	0.070	0.060	0.060	0.070	0.070	0.070	0.070	0.060	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**

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

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.

Last Modified: May 1, 2009

Sequoyah 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	1.0	1.0	1.0
Critical hours	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7
Indicator value	**1.7**	**1.6**	**0**	**0**	**0**	**0.9**	**1.8**	**2.5**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	1.0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7
Indicator value	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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 (ΔCDF)	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.50E-07
URI (ΔCDF)	1.20E-06	9.90E-07	1.20E-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	**9.60E-07**	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-07**	**-2.59E-06**	**-2.69E-06**	**-2.65E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.10E-07	1.10E-07	1.70E-07	1.70E-07	1.70E-07	1.60E-07	1.40E-07	1.60E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-6.00E-08**	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**	**-3.00E-08**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-2.30E-08	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-1.70E-08
URI (ΔCDF)	-9.60E-08	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08	-8.40E-08	-8.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.19E-07**	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**	**-1.06E-07**	**-1.03E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.70E-08	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07	1.20E-07	1.20E-07	1.10E-07
URI (ΔCDF)	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.07E-07**	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-2.50E-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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06	-2.70E-06	-2.90E-06
URI (ΔCDF)	-2.00E-07	-2.00E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-06**	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-06**	**-2.11E-06**	**-2.31E-06**

Licensee Comments:

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s). Routine planned unavailability baseline update.

4Q/08: Changed PRA Parameter(s).

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	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316
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**	**0.2**	**0.2**	**0.1**	**0.1**
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	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374
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	**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	0.020	0.030	0.030	0.020	0.020	0.030	0.020	0.030	0.020	0.030	0.050	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**	**0.3**	**0.3**	**0.2**	**0.2**	**0.3**	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**
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	0.070	0.060	0.060	0.070	0.070	0.070	0.070	0.060	0.070	0.100	0.090	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**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**

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

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.

Last Modified: July 22, 2009

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3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	1.0	1.0	1.0	0
Critical hours	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0
Indicator value	**1.6**	**0**	**0**	**0**	**0.9**	**1.8**	**2.5**	**2.5**

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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 (ΔCDF)	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.50E-07	-3.40E-08
URI (ΔCDF)	9.90E-07	1.20E-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	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-07**	**-2.59E-06**	**-2.69E-06**	**-2.65E-06**	**-2.03E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	1.10E-07	1.70E-07	1.70E-07	1.70E-07	1.60E-07	1.40E-07	1.60E-07	1.60E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**	**-3.00E-08**	**-1.00E-08**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-1.70E-08	-1.60E-08
URI (ΔCDF)	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**	**-1.06E-07**	**-1.03E-07**	**-1.02E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07	1.20E-07	1.20E-07	1.10E-07	2.00E-07
URI (ΔCDF)	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-2.50E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06	-2.70E-06	-2.90E-06	-2.90E-06
URI (ΔCDF)	-2.00E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-06**	**-2.11E-06**	**-2.31E-06**	**-2.31E-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	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309
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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417
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	**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	0.020	0.020	0.030	0.020	0.030	0.020	0.030	0.050	0.050	0.070	0.060	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**	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**
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	0.070	0.070	0.070	0.070	0.060	0.070	0.100	0.090	0.090	0.110	0.120	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	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 30, 2009

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4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	1.0	1.0	1.0	0	1.0
Critical hours	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8
Indicator value	**0**	**0**	**0**	**0.9**	**1.8**	**2.5**	**2.5**	**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	1.0	0	0	0	0
Critical hours	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/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 (ΔCDF)	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.50E-07	-8.20E-08	-1.10E-07
URI (ΔCDF)	1.20E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06	-2.40E-06	-2.00E-06	-1.90E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-07**	**-1.55E-06**	**4.30E-07**	**-2.59E-06**	**-2.69E-06**	**-2.65E-06**	**-2.08E-06**	**-2.01E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	1.70E-07	1.70E-07	1.70E-07	1.60E-07	1.40E-07	1.60E-07	1.60E-07	1.20E-07
URI (ΔCDF)	-1.70E-07	-1.70E-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	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**	**-3.00E-08**	**-1.00E-08**	**-1.00E-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	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-1.70E-08	-1.60E-08	-5.40E-09
URI (ΔCDF)	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08	-8.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**	**-1.06E-07**	**-1.03E-07**	**-1.02E-07**	**-9.24E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-4.50E-08	8.00E-08	1.10E-07	1.20E-07	1.20E-07	1.10E-07	2.00E-07	2.00E-07
URI (ΔCDF)	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06	-2.70E-06	-2.90E-06	-2.90E-06	-2.90E-06
URI (ΔCDF)	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-06**	**-2.11E-06**	**-2.31E-06**	**-2.31E-06**	**-2.31E-06**

Licensee Comments:

4Q/09: Changed PRA Parameter(s). Adjusted CWS planned unavailability baseline numbers for past events as allowed.

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	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368
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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417	0.000696	N/A	0.000318
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**	**0.2**	**N/A**	**0.1**

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	0.020	0.030	0.020	0.030	0.050	0.050	0.070	0.060	0.060	0.070	0.070	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**
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	0.070	0.060	0.070	0.100	0.090	0.090	0.110	0.120	0.140	0.140	0.070	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: January 22, 2010

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1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	1.0	1.0	1.0	0	1.0	0
Critical hours	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0
Indicator value	**0**	**0**	**0.9**	**1.8**	**2.5**	**2.5**	**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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	1.0	0	0	0	0	1.0
Critical hours	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	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 (ΔCDF)	-2.49E-07	-2.53E-07	-2.86E-07	-2.86E-07	-2.53E-07	-8.19E-08	-1.14E-07	-1.09E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-2.10E-06**	**-2.60E-06**	**-2.60E-06**	**-2.70E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-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.

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.

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	1.75E-07	1.74E-07	1.63E-07	1.38E-07	1.59E-07	1.59E-07	1.22E-07	1.32E-07
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-10**	**-8.20E-10**	**-1.20E-08**	**-3.60E-08**	**-1.60E-08**	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-2.22E-08	-2.21E-08	-2.22E-08	-2.22E-08	-1.74E-08	-1.64E-08	-5.44E-09	-4.30E-09
URI (ΔCDF)	-8.23E-08	-8.23E-08	-8.39E-08	-8.44E-08	-8.60E-08	-8.60E-08	-8.74E-08	-8.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-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	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	7.97E-08	1.11E-07	1.18E-07	1.15E-07	1.14E-07	2.00E-07	1.99E-07	1.98E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.50E-07**	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.73E-06	-2.56E-06	-2.68E-06	-2.67E-06	-2.92E-06	-2.86E-06	-2.91E-06	-2.94E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-06**	**-2.30E-06**	**-2.40E-06**	**-2.40E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**

Licensee Comments:

1Q/10: Risk Cap Invoked.

4Q/09: Risk Cap Invoked. Adjusted CWS planned unavailability baseline numbers for past events as allowed.

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked.

1Q/09: Risk Cap Invoked. Routine planned unavailability baseline update.

4Q/08: Risk Cap Invoked.

3Q/08: Risk Cap Invoked. Adjusted planned unavailability baselines for non-routine planned maintenance on ERCW pumps.

2Q/08: Risk Cap Invoked.

1Q/08: Risk Cap Invoked. 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 ajusted 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.

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	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417	0.000696	N/A	0.000318	0.000311	0.000343	0.000317
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

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	0.030	0.050	0.050	0.070	0.060	0.060	0.070	0.070	0.070	0.070	0.060	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**
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	0.100	0.090	0.090	0.110	0.120	0.140	0.140	0.070	0.120	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	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: April 26, 2010

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2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	1.0	1.0	1.0	0	1.0	0	0
Critical hours	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3
Indicator value	**0**	**0.9**	**1.8**	**2.5**	**2.5**	**2.7**	**1.8**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2177.2	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	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 (ΔCDF)	-2.53E-07	-2.86E-07	-2.86E-07	-2.53E-07	-8.19E-08	-1.14E-07	-1.09E-07	-2.77E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.60E-06**	**-2.60E-06**	**-2.70E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.20E-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 (ΔCDF)	1.74E-07	1.63E-07	1.38E-07	1.59E-07	1.59E-07	1.22E-07	1.32E-07	1.42E-07
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-10**	**-1.20E-08**	**-3.60E-08**	**-1.60E-08**	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-2.21E-08	-2.22E-08	-2.22E-08	-1.74E-08	-1.64E-08	-5.44E-09	-4.30E-09	1.15E-08
URI (ΔCDF)	-8.23E-08	-8.39E-08	-8.44E-08	-8.60E-08	-8.60E-08	-8.74E-08	-8.60E-08	-8.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	1.11E-07	1.18E-07	1.15E-07	1.14E-07	2.00E-07	1.99E-07	1.98E-07	2.01E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.40E-07**	**-2.50E-07**	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.56E-06	-2.68E-06	-2.67E-06	-2.92E-06	-2.86E-06	-2.91E-06	-2.94E-06	-2.92E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-06**	**-2.40E-06**	**-2.40E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**

Licensee Comments:

2Q/10: Risk Cap Invoked. 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	0.000313	0.000383	0.000309	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374
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	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000394	0.000383	0.000417	0.000696	N/A	0.000318	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350
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**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.070	0.060	0.060	0.070	0.070	0.070	0.070	0.060	0.070	0.100	0.090	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**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**
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	0.110	0.120	0.140	0.140	0.070	0.120	0.110	0.110	0.120	0.130	0.110	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	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: July 26, 2010

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3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	1.0	1.0	1.0	0	1.0	0	0	0
Critical hours	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0
Indicator value	**0.9**	**1.8**	**2.5**	**2.5**	**2.7**	**1.8**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	1.0	0	0	0	0	1.0	1.0	0
Critical hours	1988.8	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	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 (ΔCDF)	-2.86E-07	-2.86E-07	-2.53E-07	-8.19E-08	-1.14E-07	-1.09E-07	-2.77E-07	-2.82E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.70E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-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 (ΔCDF)	1.63E-07	1.38E-07	1.59E-07	1.59E-07	1.22E-07	1.32E-07	1.42E-07	1.22E-07
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-3.60E-08**	**-1.60E-08**	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-2.22E-08	-2.22E-08	-1.74E-08	-1.64E-08	-5.44E-09	-4.30E-09	1.15E-08	1.15E-08
URI (ΔCDF)	-8.39E-08	-8.44E-08	-8.60E-08	-8.60E-08	-8.74E-08	-8.60E-08	-8.62E-08	-8.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	1.18E-07	1.15E-07	1.14E-07	2.00E-07	1.99E-07	1.98E-07	2.01E-07	1.75E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-2.50E-07**	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-2.68E-06	-2.67E-06	-2.92E-06	-2.86E-06	-2.91E-06	-2.94E-06	-2.92E-06	-2.92E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-06**	**-2.40E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**

Licensee Comments:

3Q/10: Risk Cap Invoked. 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	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417
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	**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	0.000696	N/A	0.000318	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350	0.000333	0.000131	0.000017
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**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.070	0.070	0.070	0.070	0.060	0.070	0.100	0.090	0.090	0.110	0.120	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	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**
Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.140	0.070	0.120	0.110	0.110	0.120	0.130	0.110	0.090	0.120	0.140	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**

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.

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

2Q/10: June Participation was updated due to the omission of a Corporate EOF participant. This issue was 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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: October 25, 2010

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4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	1.0	1.0	0	1.0	0	0	0	0
Critical hours	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0
Indicator value	**1.8**	**2.5**	**2.5**	**2.7**	**1.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2092.2	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.6**

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 (ΔCDF)	-2.86E-07	-2.53E-07	-8.19E-08	-1.14E-07	-1.09E-07	-2.77E-07	-2.82E-07	-2.81E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.70E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-2.10E-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 (ΔCDF)	1.38E-07	1.59E-07	1.59E-07	1.22E-07	1.32E-07	1.42E-07	1.22E-07	1.23E-07
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-1.60E-08**	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	-2.22E-08	-1.74E-08	-1.64E-08	-5.44E-09	-4.30E-09	1.15E-08	1.15E-08	7.54E-09
URI (ΔCDF)	-8.44E-08	-8.60E-08	-8.60E-08	-8.74E-08	-8.60E-08	-8.62E-08	-8.62E-08	-8.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.15E-07	1.14E-07	2.00E-07	1.99E-07	1.98E-07	2.01E-07	1.75E-07	1.76E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.67E-06	-2.92E-06	-2.86E-06	-2.91E-06	-2.94E-06	-2.92E-06	-2.92E-06	-3.07E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**

Licensee Comments:

4Q/10: Risk Cap Invoked. 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	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417	0.000696	N/A	0.000318
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**	**0.2**	**N/A**	**0.1**

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	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271
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**	**0.1**	**0**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.070	0.060	0.070	0.100	0.090	0.090	0.110	0.120	0.140	0.140	0.070	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**
Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.110	0.110	0.120	0.130	0.110	0.090	0.120	0.140	0.160	0.180	0.150	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	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**	**1.8**	**1.5**	**1.7**

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: January 24, 2011

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1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	1.0	0	1.0	0	0	0	0	0
Critical hours	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0
Indicator value	**2.5**	**2.5**	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2117.7	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.6**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**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 (ΔCDF)	-2.53E-07	-8.19E-08	-1.14E-07	-1.09E-07	-2.77E-07	-2.82E-07	-2.81E-07	-2.80E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-2.10E-06**	**-2.20E-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 (ΔCDF)	1.59E-07	1.59E-07	1.22E-07	1.32E-07	1.42E-07	1.22E-07	1.23E-07	8.91E-08
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-1.74E-08	-1.64E-08	-5.44E-09	-4.30E-09	1.15E-08	1.15E-08	7.54E-09	1.50E-08
URI (ΔCDF)	-8.60E-08	-8.60E-08	-8.74E-08	-8.60E-08	-8.62E-08	-8.62E-08	-8.62E-08	-8.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	1.14E-07	2.00E-07	1.99E-07	1.98E-07	2.01E-07	1.75E-07	1.76E-07	2.36E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**	**-1.90E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-2.92E-06	-2.86E-06	-2.91E-06	-2.94E-06	-2.92E-06	-2.92E-06	-3.07E-06	-3.07E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	-2.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**	**-3.30E-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: Risk Cap Invoked. 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: Risk Cap Invoked. 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: Risk Cap Invoked. 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: Risk Cap Invoked. 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: Risk Cap Invoked. 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	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417	0.000696	N/A	0.000318	0.000311	0.000343	0.000317
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000318	0.000349	0.000350	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156
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**	**0.1**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.100	0.090	0.090	0.110	0.120	0.140	0.140	0.070	0.120	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	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**
Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.130	0.110	0.090	0.120	0.140	0.160	0.180	0.150	0.170	0.160	0.220	0.210
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 4, 2011

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2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1
Indicator value	**2.5**	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	2208.0	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1
Indicator value	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.6**	**0.8**	**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 (ΔCDF)	-8.19E-08	-1.14E-07	-1.09E-07	-2.77E-07	-2.82E-07	-2.81E-07	-2.80E-07	-2.74E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	1.59E-07	1.22E-07	1.32E-07	1.42E-07	1.22E-07	1.23E-07	8.91E-08	8.54E-08
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**	**-8.90E-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 (ΔCDF)	-1.64E-08	-5.44E-09	-4.30E-09	1.15E-08	1.15E-08	7.54E-09	1.50E-08	2.35E-08
URI (ΔCDF)	-8.60E-08	-8.74E-08	-8.60E-08	-8.62E-08	-8.62E-08	-8.62E-08	-8.62E-08	-9.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**	**-7.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	2.00E-07	1.99E-07	1.98E-07	2.01E-07	1.75E-07	1.76E-07	2.36E-07	1.36E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**	**-1.90E-07**	**-1.30E-07**	**-2.30E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-2.86E-06	-2.91E-06	-2.94E-06	-2.92E-06	-2.92E-06	-3.07E-06	-3.07E-06	-3.16E-06
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	-2.01E-07	-2.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**	**-3.30E-06**	**-3.40E-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	0.000394	0.000383	0.000417	0.000696	N/A	0.000318	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350
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**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111
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**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.110	0.120	0.140	0.140	0.070	0.120	0.110	0.110	0.120	0.130	0.110	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	**1.1**	**1.2**	**1.4**	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**
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	0.160	0.180	0.150	0.170	0.160	0.220	0.210	0.230	0.280	0.730
Technical specification limit	10.0	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**	**1.6**	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2011

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3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0
Indicator value	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	1.0	1.0	0	0	0	0	1.0
Critical hours	1486.8	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0
Indicator value	**0**	**0.9**	**1.8**	**1.8**	**1.6**	**0.8**	**0**	**0.9**

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 main control room air conditiioning 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 (ΔCDF)	-1.14E-07	-1.09E-07	-2.77E-07	-2.82E-07	-2.81E-07	-2.80E-07	-2.74E-07	-8.25E-09
URI (ΔCDF)	-1.95E-06	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-8.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-9.60E-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, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	1.22E-07	1.32E-07	1.42E-07	1.22E-07	1.23E-07	8.91E-08	8.54E-08	1.39E-09
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-8.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**	**-8.90E-08**	**5.30E-10**

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 (ΔCDF)	-5.44E-09	-4.30E-09	1.15E-08	1.15E-08	7.54E-09	1.50E-08	2.35E-08	1.37E-08
URI (ΔCDF)	-8.74E-08	-8.60E-08	-8.62E-08	-8.62E-08	-8.62E-08	-8.62E-08	-9.69E-08	-8.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.30E-08**	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**	**-7.30E-08**	**-7.30E-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, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	1.99E-07	1.98E-07	2.01E-07	1.75E-07	1.76E-07	2.36E-07	1.36E-07	8.40E-08
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**	**-1.90E-07**	**-1.30E-07**	**-2.30E-07**	**-1.20E-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, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-2.91E-06	-2.94E-06	-2.92E-06	-2.92E-06	-3.07E-06	-3.07E-06	-3.16E-06	-1.08E-08
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	-2.01E-07	-2.01E-07	-8.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**	**-3.30E-06**	**-3.40E-06**	**-8.90E-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. 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	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000696	N/A	0.000318	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350	0.000333	0.000131	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	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091
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**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.140	0.070	0.120	0.110	0.110	0.120	0.130	0.110	0.090	0.120	0.140	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.7**	**1.2**	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**
Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	0.180	0.150	0.170	0.160	0.220	0.210	0.230	0.280	0.730	0.150	0.130	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 29, 2011

Sequoyah 2

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0
Indicator value	**1.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	1.0	1.0	0	0	0	0	1.0	0
Critical hours	2159.0	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0
Indicator value	**0.9**	**1.8**	**1.8**	**1.6**	**0.8**	**0**	**0.9**	**0.9**

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 (ΔCDF)	-1.09E-07	-2.77E-07	-2.82E-07	-2.81E-07	-2.80E-07	-2.74E-07	-8.25E-09	1.37E-08
URI (ΔCDF)	-1.98E-06	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-8.82E-08	-9.09E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-9.60E-08**	**-7.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.32E-07	1.42E-07	1.22E-07	1.23E-07	8.91E-08	8.54E-08	1.39E-09	3.34E-09
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-8.60E-10	-8.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**	**-8.90E-08**	**5.30E-10**	**2.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-4.30E-09	1.15E-08	1.15E-08	7.54E-09	1.50E-08	2.35E-08	1.37E-08	1.79E-08
URI (ΔCDF)	-8.60E-08	-8.62E-08	-8.62E-08	-8.62E-08	-8.62E-08	-9.69E-08	-8.63E-08	-8.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-08**	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**	**-7.30E-08**	**-7.30E-08**	**-6.70E-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/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	1.98E-07	2.01E-07	1.75E-07	1.76E-07	2.36E-07	1.36E-07	8.40E-08	7.99E-08
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-2.02E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.90E-07**	**-1.90E-07**	**-1.30E-07**	**-2.30E-07**	**-1.20E-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-2.94E-06	-2.92E-06	-2.92E-06	-3.07E-06	-3.07E-06	-3.16E-06	-1.08E-08	1.23E-08
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	2.99E-07	-2.01E-07	-2.01E-07	-8.78E-07	-8.79E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**	**-3.30E-06**	**-3.40E-06**	**-8.90E-07**	**-8.70E-07**

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	0.000311	0.000343	0.000317	0.000318	0.000349	0.000350	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271
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**	**0.1**	**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	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101
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**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.110	0.110	0.120	0.130	0.110	0.090	0.120	0.140	0.160	0.180	0.150	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	**1.1**	**1.1**	**1.2**	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**	**1.8**	**1.5**	**1.7**
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	0.160	0.220	0.210	0.230	0.280	0.730	0.150	0.130	0.130	0.120	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	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: February 2, 2012

Sequoyah 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	1.0	0	0	0	0	1.0	0	1.0
Critical hours	2008.3	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0
Indicator value	**1.8**	**1.8**	**1.6**	**0.8**	**0**	**0.9**	**0.9**	**1.7**

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 main control room air conditiioning 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 (ΔCDF)	-2.77E-07	-2.82E-07	-2.81E-07	-2.80E-07	-2.74E-07	-8.25E-09	1.37E-08	2.48E-08
URI (ΔCDF)	-1.90E-06	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-8.87E-08	-9.14E-08	-8.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-06**	**-2.20E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-9.70E-08**	**-7.80E-08**	**-6.40E-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 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 (ΔCDF)	1.42E-07	1.22E-07	1.23E-07	8.91E-08	8.54E-08	1.39E-09	3.34E-09	1.95E-09
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-4.34E-10	-4.34E-10	-4.35E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**	**-8.90E-08**	**9.50E-10**	**2.90E-09**	**1.50E-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 (ΔCDF)	1.15E-08	1.15E-08	7.54E-09	1.50E-08	2.35E-08	1.37E-08	1.79E-08	1.77E-08
URI (ΔCDF)	-8.62E-08	-8.62E-08	-8.62E-08	-8.62E-08	-9.69E-08	-8.63E-08	-8.51E-08	-8.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-08**	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**	**-7.30E-08**	**-7.30E-08**	**-6.70E-08**	**-6.60E-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 (ΔCDF)	2.01E-07	1.75E-07	1.76E-07	2.36E-07	1.36E-07	8.40E-08	7.99E-08	1.05E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-2.02E-07	-2.02E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.90E-07**	**-1.90E-07**	**-1.30E-07**	**-2.30E-07**	**-1.20E-07**	**-1.20E-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, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-2.92E-06	-2.92E-06	-3.07E-06	-3.07E-06	-3.16E-06	-1.57E-08	7.57E-09	3.34E-08
URI (ΔCDF)	2.99E-07	2.99E-07	2.99E-07	-2.01E-07	-2.01E-07	-5.73E-08	-5.73E-08	-5.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.60E-06**	**-2.80E-06**	**-3.30E-06**	**-3.40E-06**	**-7.30E-08**	**-5.00E-08**	**-2.40E-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.

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: Risk Cap Invoked. Changed PRA Parameter(s).

4Q/10: Risk Cap Invoked. 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: Risk Cap Invoked. 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: Risk Cap Invoked. Changed PRA Parameter(s).

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

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	0.000318	0.000349	0.000350	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156
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**	**0.1**	**0.1**	**0**	**0**	**0**

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11

Maximum leakage	0.130	0.110	0.090	0.120	0.140	0.160	0.180	0.150	0.170	0.160	0.220	0.210
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.1**	**0.9**	**1.2**	**1.4**	**1.6**	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**
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	0.230	0.280	0.730	0.150	0.130	0.130	0.120	0.110	0.120	0.130	0.120	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**

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.

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.8%**

Licensee Comments:

2Q/10: June Participation was updated due to the omission of a Corporate EOF participant. This issue was 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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Sequoyah 2

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0
Indicator value	**1.8**	**1.6**	**0.8**	**0**	**0.9**	**0.9**	**1.7**	**1.6**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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 main control room air conditiioning 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)	-2.82E-07	-2.81E-07	-2.80E-07	-2.74E-07	-8.25E-09	1.37E-08	2.48E-08	1.19E-08
URI (ΔCDF)	-1.90E-06	-1.83E-06	-1.90E-06	-1.90E-06	-8.87E-08	-9.14E-08	-8.88E-08	-8.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-06**	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-9.70E-08**	**-7.80E-08**	**-6.40E-08**	**-7.40E-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 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)	1.22E-07	1.23E-07	8.91E-08	8.54E-08	1.39E-09	3.34E-09	1.95E-09	4.43E-09
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-1.74E-07	-4.34E-10	-4.34E-10	-4.35E-10	-4.35E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.10E-08**	**-8.50E-08**	**-8.90E-08**	**9.50E-10**	**2.90E-09**	**1.50E-09**	**4.00E-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	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	1.15E-08	7.54E-09	1.50E-08	2.35E-08	1.37E-08	1.79E-08	1.77E-08	1.64E-08
URI (ΔCDF)	-8.62E-08	-8.62E-08	-8.62E-08	-9.69E-08	-8.63E-08	-8.51E-08	-8.35E-08	-8.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-08**	**-7.90E-08**	**-7.10E-08**	**-7.30E-08**	**-7.30E-08**	**-6.70E-08**	**-6.60E-08**	**-6.60E-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)	1.75E-07	1.76E-07	2.36E-07	1.36E-07	8.40E-08	7.99E-08	1.05E-07	1.52E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-3.62E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.30E-07**	**-2.30E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-5.00E-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	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-2.92E-06	-3.07E-06	-3.07E-06	-3.16E-06	-1.57E-08	7.57E-09	3.34E-08	4.14E-08
URI (ΔCDF)	2.99E-07	2.99E-07	-2.01E-07	-2.01E-07	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-06**	**-2.80E-06**	**-3.30E-06**	**-3.40E-06**	**-7.30E-08**	**-5.00E-08**	**-2.40E-08**	**-1.60E-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: 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.

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.

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: Risk Cap Invoked. Changed PRA Parameter(s).

4Q/10: Risk Cap Invoked. 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: Risk Cap Invoked. 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: Risk Cap Invoked. Changed PRA Parameter(s).

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	0.000333	0.000131	0.000289	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111
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**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.120	0.140	0.160	0.180	0.150	0.170	0.160	0.220	0.210	0.230	0.280	0.730
Technical specification limit	10.0	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**	**1.6**	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**
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	0.150	0.130	0.130	0.120	0.110	0.120	0.130	0.120	0.160	0.140	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	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
Successful opportunities	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.

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

Sequoyah 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	1.0	0	1.0	0	1.0
Critical hours	2209.0	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9
Indicator value	**1.6**	**0.8**	**0**	**0.9**	**0.9**	**1.7**	**1.6**	**1.6**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 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 main control room air conditiioning 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 (ΔCDF)	-2.81E-07	-2.80E-07	-2.74E-07	-8.25E-09	1.37E-08	2.48E-08	1.19E-08	1.09E-08
URI (ΔCDF)	-1.83E-06	-1.90E-06	-1.90E-06	-8.87E-08	-9.14E-08	-8.88E-08	-8.63E-08	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.20E-06**	**-2.20E-06**	**-9.70E-08**	**-7.80E-08**	**-6.40E-08**	**-7.40E-08**	**-1.20E-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 (ΔCDF)	1.23E-07	8.91E-08	8.54E-08	1.39E-09	3.34E-09	1.95E-09	4.43E-09	4.42E-09
URI (ΔCDF)	-1.74E-07	-1.74E-07	-1.74E-07	-4.34E-10	-4.34E-10	-4.35E-10	-4.35E-10	-4.36E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**-8.50E-08**	**-8.90E-08**	**9.50E-10**	**2.90E-09**	**1.50E-09**	**4.00E-09**	**4.00E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	7.54E-09	1.50E-08	2.35E-08	1.37E-08	1.79E-08	1.77E-08	1.64E-08	2.15E-08
URI (ΔCDF)	-8.62E-08	-8.62E-08	-9.69E-08	-8.63E-08	-8.51E-08	-8.35E-08	-8.22E-08	-8.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
	-7.90E-	**-7.10E-**	**-7.30E-**	**-7.30E-**	**-6.70E-**	**-6.60E-**	**-6.60E-**	**-6.20E-**

Indicator value	08	08	08	08	08	08	08	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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	1.76E-07	2.36E-07	1.36E-07	8.40E-08	7.99E-08	1.05E-07	1.52E-07	1.88E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-3.62E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.90E-07**	**-1.30E-07**	**-2.30E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-5.00E-08**	**-1.40E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-3.07E-06	-3.07E-06	-3.16E-06	-1.57E-08	7.57E-09	3.34E-08	4.14E-08	4.42E-08
URI (ΔCDF)	2.99E-07	-2.01E-07	-2.01E-07	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-2.80E-06**	**-3.30E-06**	**-3.40E-06**	**-7.30E-08**	**-5.00E-08**	**-2.40E-08**	**-1.60E-08**	**-1.30E-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: 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.

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.

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: Risk Cap Invoked. Changed PRA Parameter(s).

4Q/10: Risk Cap Invoked. 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.

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	0.000117	0.000279	0.000271	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091
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**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	0.180	0.150	0.170	0.160	0.220	0.210	0.230	0.280	0.730	0.150	0.130	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.5**	**1.7**	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**
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	0.120	0.110	0.120	0.130	0.120	0.160	0.140	0.140	0.140	0.140	0.140	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**

Licensee Comments: none

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%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	70.0	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

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: October 24, 2012

Sequoyah 2

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9	336.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	1.0	0	1.0	0	1.0	0
Critical hours	2159.0	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9	336.0
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**1.7**	**1.6**	**1.6**	**2.0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (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:

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.

2Q/11: LER 327, 328/2011-001-00, Both trains of main control room air conditiioning 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 (ΔCDF)	-2.80E-07	-2.74E-07	-8.25E-09	1.37E-08	2.48E-08	1.19E-08	1.09E-08	3.15E-08
URI (ΔCDF)	-1.90E-06	-1.90E-06	-8.87E-08	-9.14E-08	-8.88E-08	-8.63E-08	-1.31E-07	-5.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-06**	**-2.20E-06**	**-9.70E-08**	**-7.80E-08**	**-6.40E-08**	**-7.40E-08**	**-1.20E-07**	**-4.70E-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 (ΔCDF)	1.31E-07	1.28E-07	4.23E-09	6.21E-09	5.37E-09	7.90E-09	7.92E-09	1.13E-08
URI (ΔCDF)	-1.74E-07	-1.74E-07	-4.34E-10	-4.34E-10	-4.35E-10	-4.35E-10	-4.36E-10	-6.92E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-08**	**-4.60E-08**	**3.80E-09**	**5.80E-09**	**4.90E-09**	**7.50E-09**	**7.50E-09**	**1.10E-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.

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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.84E-08	2.69E-08	2.10E-08	2.54E-08	2.52E-08	2.40E-08	2.94E-08	1.78E-08
URI (ΔCDF)	-8.62E-08	-9.69E-08	-8.63E-08	-8.51E-08	-8.35E-08	-8.22E-08	-8.36E-08	-4.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-6.80E-08**	**-7.00E-08**	**-6.50E-08**	**-6.00E-08**	**-5.80E-08**	**-5.80E-08**	**-5.40E-08**	**-2.70E-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: 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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	2.63E-07	1.70E-07	1.18E-07	1.16E-07	1.44E-07	1.98E-07	2.46E-07	4.47E-07
URI (ΔCDF)	-3.62E-07	-3.62E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-1.90E-07**	**-8.40E-08**	**-8.60E-08**	**-5.80E-08**	**-4.40E-09**	**4.40E-08**	**1.80E-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	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-3.09E-06	-3.17E-06	-1.77E-08	6.17E-09	1.28E-08	2.09E-08	2.40E-08	7.72E-08
URI (ΔCDF)	-2.01E-07	-2.01E-07	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-06**	**-3.40E-06**	**-7.50E-08**	**-5.10E-08**	**-4.40E-08**	**-3.60E-08**	**-3.30E-08**	**-5.10E-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. 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.

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.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000149	0.000125	0.000156	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101
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**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139	0.000178	N/A	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**

Licensee Comments: none

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	0.160	0.220	0.210	0.230	0.280	0.730	0.150	0.130	0.130	0.120	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	**1.6**	**2.2**	**2.1**	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**
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	0.130	0.120	0.160	0.140	0.140	0.140	0.140	0.140	0.130	0.120	N/A	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	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**

Licensee Comments: none

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

Last Modified: January 23, 2013

Sequoyah 2

1Q/2013 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	1.0	0	1.0
Critical hours	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9	336.0	2055.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**2.1**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	1.0	0	1.0	0	1.0	0	0
Critical hours	1459.1	2208.0	2209.0	2183.0	2184.0	2167.9	336.0	2055.3
Indicator value	**0**	**0.9**	**0.9**	**1.7**	**1.6**	**1.6**	**2.0**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 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:

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.

2Q/11: LER 327, 328/2011-001-00, Both trains of main control room air conditiioning 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 (ΔCDF)	-2.74E-07	-8.25E-09	1.37E-08	2.48E-08	1.19E-08	1.09E-08	3.15E-08	5.43E-08
URI (ΔCDF)	-1.90E-06	-8.87E-08	-9.14E-08	-8.88E-08	-8.63E-08	-1.31E-07	-5.01E-07	-1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-06**	**-9.70E-08**	**-7.80E-08**	**-6.40E-08**	**-7.40E-08**	**-1.20E-07**	**-4.70E-07**	**-1.30E-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: 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 (ΔCDF)	1.28E-07	4.23E-09	6.21E-09	5.37E-09	7.90E-09	7.92E-09	1.13E-08	1.33E-08
URI (ΔCDF)	-1.74E-07	-4.34E-10	-4.34E-10	-4.35E-10	-4.35E-10	-4.36E-10	-6.92E-10	-6.93E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**3.80E-09**	**5.80E-09**	**4.90E-09**	**7.50E-09**	**7.50E-09**	**1.10E-08**	**1.30E-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: 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 (ΔCDF)	2.69E-08	2.10E-08	2.54E-08	2.52E-08	2.40E-08	2.94E-08	1.78E-08	3.08E-08
URI (ΔCDF)	-9.69E-08	-8.63E-08	-8.51E-08	-8.35E-08	-8.22E-08	-8.36E-08	-4.47E-08	-4.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.00E-08**	**-6.50E-08**	**-6.00E-08**	**-5.80E-08**	**-5.80E-08**	**-5.40E-08**	**-2.70E-08**	**-1.50E-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: 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 (ΔCDF)	1.70E-07	1.18E-07	1.16E-07	1.44E-07	1.98E-07	2.46E-07	4.47E-07	5.37E-07
URI (ΔCDF)	-3.62E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.64E-07	-2.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-8.40E-08**	**-8.60E-08**	**-5.80E-08**	**-4.40E-09**	**4.40E-08**	**1.80E-07**	**2.70E-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: 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 (ΔCDF)	-3.17E-06	-1.77E-08	6.17E-09	1.28E-08	2.09E-08	2.40E-08	7.72E-08	1.43E-07
URI (ΔCDF)	-2.01E-07	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-06**	**-7.50E-08**	**-5.10E-08**	**-4.40E-08**	**-3.60E-08**	**-3.30E-08**	**-5.10E-08**	**1.40E-08**

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.

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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.

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.

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.

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	0.000355	0.000133	0.000111	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139	0.000178	N/A	N/A	0.000056	0.000070	0.000081
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**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.230	0.280	0.730	0.150	0.130	0.130	0.120	0.110	0.120	0.130	0.120	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**2.8**	**7.3**	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**
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	0.140	0.140	0.140	0.140	0.140	0.130	0.120	N/A	0.040	0.050	0.040	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	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	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

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

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: April 23, 2013

Sequoyah 2

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2167.9	336.0	2055.3	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**2.1**	**2.1**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	1.0	0	1.0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2167.9	336.0	2055.3	2184.0
Indicator value	**0.9**	**0.9**	**1.7**	**1.6**	**1.6**	**2.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 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

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-8.25E-09	1.37E-08	2.48E-08	1.19E-08	1.09E-08	3.15E-08	5.43E-08	9.92E-08
URI (ΔCDF)	-8.87E-08	-9.14E-08	-8.88E-08	-8.63E-08	-1.31E-07	-5.01E-07	-1.80E-07	-1.68E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-7.80E-08**	**-6.40E-08**	**-7.40E-08**	**-1.20E-07**	**-4.70E-07**	**-1.30E-07**	**-6.90E-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 (ΔCDF)	4.23E-09	6.21E-09	5.37E-09	7.90E-09	7.92E-09	1.13E-08	1.33E-08	1.44E-08
URI (ΔCDF)	-4.34E-10	-4.34E-10	-4.35E-10	-4.35E-10	-4.36E-10	-6.92E-10	-6.93E-10	-6.94E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-09**	**5.80E-09**	**4.90E-09**	**7.50E-09**	**7.50E-09**	**1.10E-08**	**1.30E-08**	**1.40E-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: 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 (ΔCDF)	2.10E-08	2.54E-08	2.52E-08	2.40E-08	2.94E-08	1.78E-08	3.08E-08	2.52E-08
URI (ΔCDF)	-8.63E-08	-8.51E-08	-8.35E-08	-8.22E-08	-8.36E-08	-4.47E-08	-4.55E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-08**	**-6.00E-08**	**-5.80E-08**	**-5.80E-08**	**-5.40E-08**	**-2.70E-08**	**-1.50E-08**	**-2.00E-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.

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 (ΔCDF)	1.18E-07	1.16E-07	1.44E-07	1.98E-07	2.46E-07	4.47E-07	5.37E-07	5.76E-07
URI (ΔCDF)	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.64E-07	-2.66E-07	-2.69E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-08**	**-8.60E-08**	**-5.80E-08**	**-4.40E-09**	**4.40E-08**	**1.80E-07**	**2.70E-07**	**3.10E-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, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	-1.77E-08	6.17E-09	1.28E-08	2.09E-08	2.40E-08	7.72E-08	1.43E-07	2.02E-07
URI (ΔCDF)	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-1.28E-07	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-08**	**-5.10E-08**	**-4.40E-08**	**-3.60E-08**	**-3.30E-08**	**-5.10E-08**	**1.40E-08**	**7.40E-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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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.

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	0.000090	0.000098	0.000091	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000155	0.000154	0.000139	0.000178	N/A	N/A	0.000056	0.000070	0.000081	0.000087	0.000013	0.000098
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**	**0**	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.150	0.130	0.130	0.120	0.110	0.120	0.130	0.120	0.160	0.140	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	**1.5**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**
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	0.140	0.140	0.130	0.120	N/A	0.040	0.050	0.040	0.120	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	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	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

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

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: August 19, 2013

Sequoyah 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	1.0	0	1.0	0	0
Critical hours	2209.0	2183.0	2184.0	2167.9	336.0	2055.3	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.0**	**2.1**	**2.1**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	1.0	0	1.0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2167.9	336.0	2055.3	2184.0	2208.0
Indicator value	**0.9**	**1.7**	**1.6**	**1.6**	**2.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 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

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.37E-08	2.48E-08	1.19E-08	1.09E-08	3.15E-08	5.43E-08	9.92E-08	1.06E-07
URI (ΔCDF)	-9.14E-08	-8.88E-08	-8.63E-08	-1.31E-07	-5.01E-07	-1.80E-07	-1.68E-07	-1.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**-6.40E-08**	**-7.40E-08**	**-1.20E-07**	**-4.70E-07**	**-1.30E-07**	**-6.90E-08**	**-6.70E-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 (ΔCDF)	6.21E-09	5.37E-09	7.90E-09	7.92E-09	1.13E-08	1.33E-08	1.44E-08	1.80E-08
URI (ΔCDF)	-4.34E-10	-4.35E-10	-4.35E-10	-4.36E-10	-6.92E-10	-6.93E-10	-6.94E-10	-6.95E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-09**	**4.90E-09**	**7.50E-09**	**7.50E-09**	**1.10E-08**	**1.30E-08**	**1.40E-08**	**1.70E-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. 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).

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	2.54E-08	2.52E-08	2.40E-08	2.94E-08	1.78E-08	3.08E-08	2.52E-08	2.47E-08
URI (ΔCDF)	-8.51E-08	-8.35E-08	-8.22E-08	-8.36E-08	-4.47E-08	-4.55E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.00E-08**	**-5.80E-08**	**-5.80E-08**	**-5.40E-08**	**-2.70E-08**	**-1.50E-08**	**-2.00E-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: 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 (ΔCDF)	1.16E-07	1.28E-07	1.81E-07	1.69E-07	3.64E-07	4.53E-07	4.93E-07	4.99E-07
URI (ΔCDF)	-2.02E-07	-2.02E-07	-2.02E-07	-2.02E-07	-2.64E-07	-2.66E-07	-2.69E-07	-2.72E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-7.50E-08**	**-2.10E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**2.20E-07**	**2.30E-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.

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.

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 (ΔCDF)	6.17E-09	1.28E-08	2.09E-08	2.40E-08	7.72E-08	1.43E-07	2.02E-07	2.05E-07
						-1.28E-	-1.28E-	-1.28E-

URI (ΔCDF)	-5.73E-08	-5.73E-08	-5.73E-08	-5.73E-08	-1.28E-07	07	07	07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**-4.40E-08**	**-3.60E-08**	**-3.30E-08**	**-5.10E-08**	**1.40E-08**	**7.40E-08**	**7.60E-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	0.000077	0.000089	0.000101	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**

Maximum activity	0.000178	N/A	N/A	0.000056	0.000070	0.000081	0.000087	0.000013	0.000098	0.000113	0.000112	0.000120
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	0.120	0.110	0.120	0.130	0.120	0.160	0.140	0.140	0.140	0.140	0.140	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.1**	**1.2**	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**
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	0.120	N/A	0.040	0.050	0.040	0.120	0.030	0.040	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	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	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

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:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: October 22, 2013

Sequoyah 2

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	1.0	0	1.0	0	0	0
Critical hours	2183.0	2184.0	2167.9	336.0	2055.3	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**1.0**	**2.1**	**2.1**	**1.0**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	1.0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	2167.9	336.0	2055.3	2184.0	2208.0	2209.0
Indicator value	**1.7**	**1.6**	**1.6**	**2.0**	**1.0**	**1.0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.48E-08	1.19E-08	1.09E-08	3.15E-08	5.43E-08	9.92E-08	1.06E-07	1.08E-07
URI (ΔCDF)	-8.88E-08	-8.63E-08	-1.31E-07	-5.01E-07	-1.80E-07	-1.68E-07	-1.74E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-7.40E-08**	**-1.20E-07**	**-4.70E-07**	**-1.30E-07**	**-6.90E-08**	**-6.70E-08**	**-6.90E-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 (ΔCDF)	5.37E-09	7.90E-09	7.92E-09	1.13E-08	1.33E-08	1.44E-08	1.80E-08	1.77E-08
URI (ΔCDF)	-4.35E-10	-4.35E-10	-4.36E-10	-6.92E-10	-6.93E-10	-6.94E-10	-6.95E-10	-6.96E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.90E-09**	**7.50E-09**	**7.50E-09**	**1.10E-08**	**1.30E-08**	**1.40E-08**	**1.70E-08**	**1.70E-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: 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.

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	2.52E-08	2.40E-08	2.94E-08	1.78E-08	3.08E-08	2.52E-08	2.47E-08	2.12E-08
URI (ΔCDF)	-8.35E-08	-8.22E-08	-8.36E-08	-4.47E-08	-4.55E-08	-4.54E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.80E-08**	**-5.80E-08**	**-5.40E-08**	**-2.70E-08**	**-1.50E-08**	**-2.00E-08**	**-2.10E-08**	**-2.40E-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: 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.

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	1.28E-07	1.81E-07	1.69E-07	3.64E-07	4.53E-07	4.93E-07	4.99E-07	5.03E-07
URI (ΔCDF)	-2.02E-07	-2.02E-07	-2.02E-07	-2.64E-07	-2.66E-07	-2.69E-07	-2.72E-07	-2.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-08**	**-2.10E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**2.20E-07**	**2.30E-07**	**2.30E-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.

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.

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 (ΔCDF)	1.28E-08	2.09E-08	2.40E-08	7.72E-08	1.43E-07	2.02E-07	2.05E-07	2.20E-07
URI (ΔCDF)	-5.73E-08	-5.73E-08	-5.73E-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	**-4.40E-08**	**-3.60E-08**	**-3.30E-08**	**-5.10E-08**	**1.40E-08**	**7.40E-08**	**7.60E-08**	**9.20E-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.

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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.

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	0.000117	0.000124	0.000122	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139	0.000178	N/A	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**

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	0.000056	0.000070	0.000081	0.000087	0.000013	0.000098	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.130	0.120	0.160	0.140	0.140	0.140	0.140	0.140	0.130	0.120	N/A	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	**1.3**	**1.2**	**1.6**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**
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	0.050	0.040	0.120	0.030	0.040	0.030	0.030	0.030	0.030	0.020	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**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: January 22, 2014

Sequoyah 2

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	1.0	0	1.0	0	0	0	0
Critical hours	2184.0	2167.9	336.0	2055.3	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0.8**	**1.0**	**2.1**	**2.1**	**1.0**	**0.8**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2184.0	2167.9	336.0	2055.3	2184.0	2208.0	2209.0	2159.0
Indicator value	**1.6**	**1.6**	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.19E-08	1.09E-08	3.15E-08	5.43E-08	9.92E-08	1.06E-07	1.08E-07	2.18E-08
URI (ΔCDF)	-8.63E-08	-1.31E-07	-5.01E-07	-1.80E-07	-1.68E-07	-1.74E-07	-1.77E-07	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-08**	**-1.20E-07**	**-4.70E-07**	**-1.30E-07**	**-6.90E-08**	**-6.70E-08**	**-6.90E-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, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	7.90E-09	7.92E-09	1.13E-08	1.33E-08	1.44E-08	1.80E-08	1.77E-08	1.56E-08
URI (ΔCDF)	-4.35E-10	-4.36E-10	-6.92E-10	-6.93E-10	-6.94E-10	-6.95E-10	-6.96E-10	-1.02E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-09**	**7.50E-09**	**1.10E-08**	**1.30E-08**	**1.40E-08**	**1.70E-08**	**1.70E-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.

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	2.40E-08	2.94E-08	1.78E-08	3.08E-08	2.52E-08	2.47E-08	2.12E-08	7.66E-08
URI (ΔCDF)	-8.22E-08	-8.36E-08	-4.47E-08	-4.55E-08	-4.54E-08	-4.54E-08	-4.54E-08	-9.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.80E-08**	**-5.40E-08**	**-2.70E-08**	**-1.50E-08**	**-2.00E-08**	**-2.10E-08**	**-2.40E-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/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.

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	1.81E-07	1.69E-07	3.64E-07	4.53E-07	4.93E-07	4.99E-07	5.03E-07	1.91E-08
URI (ΔCDF)	-2.02E-07	-2.02E-07	-2.64E-07	-2.66E-07	-2.69E-07	-2.72E-07	-2.74E-07	1.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**2.20E-07**	**2.30E-07**	**2.30E-07**	**1.20E-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/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.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	2.09E-08	2.40E-08	7.72E-08	1.43E-07	2.02E-07	2.05E-07	2.20E-07	1.35E-07
URI (ΔCDF)	-5.73E-08	-5.73E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-2.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-3.30E-08**	**-5.10E-08**	**1.40E-08**	**7.40E-08**	**7.60E-08**	**9.20E-08**	**1.10E-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.

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.

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	0.000139	0.000144	0.000156	0.000155	0.000154	0.000139	0.000178	N/A	N/A	0.000056	0.000070	0.000081
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**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000087	0.000094	0.000098	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

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	0.140	0.140	0.140	0.140	0.140	0.130	0.120	N/A	0.040	0.050	0.040	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	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**
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	0.030	0.040	0.030	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2014

Sequoyah 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	1.0	0	1.0	0	0	0	0	0
Critical hours	2167.9	336.0	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0
Indicator value	**0.8**	**1.0**	**2.1**	**2.1**	**1.0**	**0.8**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	1.0	0	0	0	0	0	0	1.0
Critical hours	2167.9	336.0	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0
Indicator value	**1.6**	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.09E-08	3.15E-08	5.43E-08	9.92E-08	1.06E-07	1.08E-07	2.18E-08	2.29E-08
URI (ΔCDF)	-1.31E-07	-5.01E-07	-1.80E-07	-1.68E-07	-1.74E-07	-1.77E-07	-4.26E-08	-3.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-4.70E-07**	**-1.30E-07**	**-6.90E-08**	**-6.70E-08**	**-6.90E-08**	**-2.10E-08**	**-1.70E-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, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	7.92E-09	1.13E-08	1.33E-08	1.44E-08	1.80E-08	1.77E-08	1.56E-08	1.58E-08
URI (ΔCDF)	-4.36E-10	-6.92E-10	-6.93E-10	-6.94E-10	-6.95E-10	-6.96E-10	-1.02E-09	-1.03E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-09**	**1.10E-08**	**1.30E-08**	**1.40E-08**	**1.70E-08**	**1.70E-08**	**1.50E-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 (ΔCDF)	2.94E-08	1.78E-08	3.08E-08	2.52E-08	2.47E-08	2.12E-08	7.66E-08	8.59E-08
URI (ΔCDF)	-8.36E-08	-4.47E-08	-4.55E-08	-4.54E-08	-4.54E-08	-4.54E-08	-9.08E-08	-9.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.40E-08**	**-2.70E-08**	**-1.50E-08**	**-2.00E-08**	**-2.10E-08**	**-2.40E-08**	**-1.40E-08**	**-5.30E-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.

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	1.69E-07	3.64E-07	4.53E-07	4.93E-07	4.99E-07	5.03E-07	1.91E-08	1.62E-08
URI (ΔCDF)	-2.02E-07	-2.64E-07	-2.66E-07	-2.69E-07	-2.72E-07	-2.74E-07	1.05E-07	1.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**2.20E-07**	**2.30E-07**	**2.30E-07**	**1.20E-07**	**1.20E-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/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 (ΔCDF)	2.40E-08	7.72E-08	1.43E-07	2.02E-07	2.05E-07	2.20E-07	1.35E-07	1.37E-07
URI (ΔCDF)	-5.73E-08	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-2.99E-08	-2.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-5.10E-08**	**1.40E-08**	**7.40E-08**	**7.60E-08**	**9.20E-08**	**1.10E-07**	**1.10E-07**

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.

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	0.000155	0.000154	0.000139	0.000178	N/A	N/A	0.000056	0.000070	0.000081	0.000087	0.000094	0.000098
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**	**0**	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

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	0.140	0.140	0.130	0.120	N/A	0.040	0.050	0.040	0.120	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	**1.4**	**1.4**	**1.3**	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**
Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.010	0.030	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**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: July 31, 2014

Sequoyah 2

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	336.0	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0
Indicator value	**1.0**	**2.1**	**2.1**	**1.0**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	336.0	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0
Indicator value	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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

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.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	3.15E-08	5.43E-08	9.92E-08	1.06E-07	1.08E-07	2.18E-08	2.29E-08	2.31E-08
URI (ΔCDF)	-5.01E-07	-1.80E-07	-1.68E-07	-1.74E-07	-1.77E-07	-4.26E-08	-3.98E-08	-4.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-07**	**-1.30E-07**	**-6.90E-08**	**-6.70E-08**	**-6.90E-08**	**-2.10E-08**	**-1.70E-08**	**-1.80E-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 (ΔCDF)	1.13E-08	1.33E-08	1.44E-08	1.80E-08	1.77E-08	1.56E-08	1.58E-08	1.83E-08
URI (ΔCDF)	-6.92E-10	-6.93E-10	-6.94E-10	-6.95E-10	-6.96E-10	-1.02E-09	-1.03E-09	-1.03E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**1.30E-08**	**1.40E-08**	**1.70E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**1.70E-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, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.78E-08	3.08E-08	2.52E-08	2.47E-08	2.12E-08	7.66E-08	8.59E-08	8.77E-08
URI (ΔCDF)	-4.47E-08	-4.55E-08	-4.54E-08	-4.54E-08	-4.54E-08	-9.08E-08	-9.13E-08	-9.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-1.50E-08**	**-2.00E-08**	**-2.10E-08**	**-2.40E-08**	**-1.40E-08**	**-5.30E-09**	**-3.60E-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.

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	3.64E-07	4.53E-07	4.93E-07	4.99E-07	5.03E-07	1.91E-08	1.62E-08	2.06E-08
URI (ΔCDF)	-2.64E-07	-2.66E-07	-2.69E-07	-2.72E-07	-2.74E-07	1.05E-07	1.03E-07	1.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.90E-07**	**2.20E-07**	**2.30E-07**	**2.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-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/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 (ΔCDF)	7.72E-08	1.43E-07	2.02E-07	2.05E-07	2.20E-07	1.35E-07	1.37E-07	1.31E-07
URI (ΔCDF)	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-2.99E-08	-2.62E-08	-2.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**1.40E-08**	**7.40E-08**	**7.60E-08**	**9.20E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**

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.

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	0.000178	N/A	N/A	0.000056	0.000070	0.000081	0.000087	0.000094	0.000098	0.000113	0.000112	0.000120
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070
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**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

6/13: Revised May Maximum I-131 Activity. Only affected May 2013. No change in indicator color.

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	0.120	N/A	0.040	0.050	0.040	0.120	0.030	0.040	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	**1.2**	**N/A**	**0.4**	**0.5**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**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	0.020	0.020	0.020	0.020	0.010	0.030	0.030	0.020	0.030	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.2**	**0.2**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: November 3, 2014

Sequoyah 2

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0
Indicator value	**2.1**	**2.1**	**1.0**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2055.3	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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 (ΔCDF)	5.43E-08	9.92E-08	1.06E-07	1.08E-07	2.18E-08	2.29E-08	2.31E-08	3.83E-09
URI (ΔCDF)	-1.80E-07	-1.68E-07	-1.74E-07	-1.77E-07	-4.26E-08	-3.98E-08	-4.11E-08	-9.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-6.90E-08**	**-6.70E-08**	**-6.90E-08**	**-2.10E-08**	**-1.70E-08**	**-1.80E-08**	**-9.00E-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 (ΔCDF)	1.33E-08	1.44E-08	1.80E-08	1.77E-08	1.56E-08	1.58E-08	1.83E-08	3.17E-08
URI (ΔCDF)	-6.93E-10	-6.94E-10	-6.95E-10	-6.96E-10	-1.02E-09	-1.03E-09	-1.03E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**1.40E-08**	**1.70E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**1.70E-08**	**2.90E-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

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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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	2.10E-09	4.09E-09	3.11E-09	-4.04E-10	2.45E-09	1.03E-08	1.27E-08	2.23E-08
URI (ΔCDF)	-4.55E-08	-4.54E-08	-4.54E-08	-4.54E-08	-9.08E-08	-9.13E-08	-9.13E-08	-1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-08**	**-4.10E-08**	**-4.20E-08**	**-4.60E-08**	**-8.80E-08**	**-8.10E-08**	**-7.90E-08**	**-1.40E-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

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

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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 2A (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 2A-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 2A (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 2A-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

2Q/13: Note in 2A (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 2A-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

1Q/13: Note in 2B (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 2A-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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	4.53E-07	4.93E-07	4.99E-07	5.03E-07	1.91E-08	1.62E-08	2.06E-08	1.55E-08
URI (ΔCDF)	-2.66E-07	-2.69E-07	-2.72E-07	-2.74E-07	1.05E-07	1.03E-07	1.01E-07	5.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-07**	**2.20E-07**	**2.30E-07**	**2.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**7.40E-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 revisedThe 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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.43E-07	2.02E-07	2.05E-07	2.20E-07	1.35E-07	1.37E-07	1.31E-07	4.57E-08
URI (ΔCDF)	-1.28E-07	-1.28E-07	-1.28E-07	-1.28E-07	-2.99E-08	-2.62E-08	-2.62E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**7.40E-08**	**7.60E-08**	**9.20E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**3.30E-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

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.

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
Maximum activity	0.000056	0.000070	0.000081	0.000087	0.000094	0.000098	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084
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**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.050	0.040	0.120	0.030	0.040	0.030	0.030	0.030	0.030	0.020	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**	**0.4**	**1.2**	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**
Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.020	0.010	0.030	0.030	0.020	0.030	0.020	0.020	0.010	0.020	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**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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	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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: February 3, 2015

Sequoyah 2

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0
Indicator value	**2.1**	**1.0**	**0.8**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	2184.0	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0
Indicator value	**1.0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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 (ΔCDF)	9.92E-08	1.06E-07	1.08E-07	2.18E-08	2.29E-08	2.31E-08	3.83E-09	1.40E-08
URI (ΔCDF)	-1.68E-07	-1.74E-07	-1.77E-07	-4.26E-08	-3.98E-08	-4.11E-08	-9.34E-08	-9.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-6.70E-08**	**-6.90E-08**	**-2.10E-08**	**-1.70E-08**	**-1.80E-08**	**-9.00E-08**	**-7.90E-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, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.44E-08	1.80E-08	1.77E-08	1.56E-08	1.58E-08	1.83E-08	3.17E-08	2.86E-08
URI (ΔCDF)	-6.94E-10	-6.95E-10	-6.96E-10	-1.02E-09	-1.03E-09	-1.03E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.70E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**1.70E-08**	**2.90E-08**	**2.60E-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

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 (ΔCDF)	4.09E-09	3.11E-09	-4.04E-10	2.45E-09	1.03E-08	1.27E-08	2.23E-08	1.69E-08
URI (ΔCDF)	-4.54E-08	-4.54E-08	-4.54E-08	-9.08E-08	-9.13E-08	-9.13E-08	-1.63E-07	-1.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.20E-08**	**-4.60E-08**	**-8.80E-08**	**-8.10E-08**	**-7.90E-08**	**-1.40E-07**	**-1.50E-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

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 2A (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 2A-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 2A (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 2A-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

2Q/13: Note in 2A (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 2A-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, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat								

Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	4.93E-07	4.99E-07	5.03E-07	1.91E-08	1.62E-08	2.06E-08	1.55E-08	1.54E-08
URI (ΔCDF)	-2.69E-07	-2.72E-07	-2.74E-07	1.05E-07	1.03E-07	1.01E-07	5.83E-08	5.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**2.30E-07**	**2.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**7.40E-08**	**7.30E-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 revisedThe 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	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	2.02E-07	2.05E-07	2.20E-07	1.35E-07	1.37E-07	1.31E-07	4.57E-08	3.44E-08
URI (ΔCDF)	-1.28E-07	-1.28E-07	-1.28E-07	-2.99E-08	-2.62E-08	-2.62E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.40E-08**	**7.60E-08**	**9.20E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**3.30E-08**	**2.10E-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

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.

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.

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	0.000087	0.000094	0.000098	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.030	0.040	0.030	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	**0.3**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**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	0.020	0.030	0.020	0.020	0.010	0.020	0.020	0.020	0.020	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

2Q/13: During a subsequent review, an error was found in June. Error corrected.

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%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2015

Sequoyah 2

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0
Indicator value	**1.0**	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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 (ΔCDF)	1.06E-07	1.08E-07	2.18E-08	2.29E-08	2.31E-08	3.83E-09	1.40E-08	4.84E-08
URI (ΔCDF)	-1.74E-07	-1.77E-07	-4.26E-08	-3.98E-08	-4.11E-08	-9.34E-08	-9.29E-08	-3.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.70E-08**	**-6.90E-08**	**-2.10E-08**	**-1.70E-08**	**-1.80E-08**	**-9.00E-08**	**-7.90E-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

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 (ΔCDF)	1.80E-08	1.77E-08	1.56E-08	1.58E-08	1.83E-08	3.17E-08	2.86E-08	3.32E-08
URI (ΔCDF)	-6.95E-10	-6.96E-10	-1.02E-09	-1.03E-09	-1.03E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**1.70E-08**	**2.90E-08**	**2.60E-08**	**3.10E-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

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.

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	3.11E-09	-4.04E-10	2.45E-09	1.03E-08	1.27E-08	2.23E-08	1.69E-08	2.34E-08
URI (ΔCDF)	-4.54E-08	-4.54E-08	-9.08E-08	-9.13E-08	-9.13E-08	-1.63E-07	-1.66E-07	-1.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-4.60E-08**	**-8.80E-08**	**-8.10E-08**	**-7.90E-08**	**-1.40E-07**	**-1.50E-07**	**-1.40E-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

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 2A (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 2A-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 2A (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 2A-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 (ΔCDF)	4.99E-07	5.03E-07	1.91E-08	1.62E-08	2.06E-08	1.55E-08	1.54E-08	1.33E-08
URI (ΔCDF)	-2.72E-07	-2.74E-07	1.05E-07	1.03E-07	1.01E-07	5.83E-08	5.72E-08	5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.30E-07**	**2.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**7.40E-08**	**7.30E-08**	**7.00E-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 revisedThe 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	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	2.05E-07	2.20E-07	1.35E-07	1.37E-07	1.31E-07	4.57E-08	3.44E-08	3.41E-08
URI (ΔCDF)	-1.28E-07	-1.28E-07	-2.99E-08	-2.62E-08	-2.62E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.60E-08**	**9.20E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**3.30E-08**	**2.10E-08**	**2.10E-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

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.

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.

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	0.000113	0.000112	0.000120	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.010	0.030	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**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**
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	0.020	0.020	0.010	0.020	0.020	0.020	0.020	0.020	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	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**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	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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	1014	790	1017	791	1016	903	1017	791
Total sirens-tests	1016	791	1017	791	1017	904	1017	791
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: July 24, 2015

Sequoyah 2

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

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 (ΔCDF)	1.08E-07	2.18E-08	2.29E-08	2.31E-08	3.83E-09	1.40E-08	4.84E-08	3.69E-08
URI (ΔCDF)	-1.77E-07	-4.26E-08	-3.98E-08	-4.11E-08	-9.34E-08	-9.29E-08	-3.73E-08	-5.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-2.10E-08**	**-1.70E-08**	**-1.80E-08**	**-9.00E-08**	**-7.90E-08**	**1.10E-08**	**-1.70E-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, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.77E-08	1.56E-08	1.58E-08	1.83E-08	3.17E-08	2.86E-08	3.32E-08	3.39E-08
URI (ΔCDF)	-6.96E-10	-1.02E-09	-1.03E-09	-1.03E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**1.50E-08**	**1.50E-08**	**1.70E-08**	**2.90E-08**	**2.60E-08**	**3.10E-08**	**3.20E-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

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.

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	-4.04E-10	2.45E-09	1.03E-08	1.27E-08	2.23E-08	1.69E-08	2.34E-08	1.59E-08
URI (ΔCDF)	-4.54E-08	-9.08E-08	-9.13E-08	-9.13E-08	-1.63E-07	-1.66E-07	-1.66E-07	-1.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-8.80E-08**	**-8.10E-08**	**-7.90E-08**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-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

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 2A (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 2A-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 (ΔCDF)	5.03E-07	1.91E-08	1.62E-08	2.06E-08	1.55E-08	1.54E-08	1.33E-08	1.32E-08
URI (ΔCDF)	-2.74E-07	1.05E-07	1.03E-07	1.01E-07	5.83E-08	5.72E-08	5.62E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**7.40E-08**	**7.30E-08**	**7.00E-08**	**6.80E-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 revisedThe 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.

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	2.20E-07	1.35E-07	1.37E-07	1.31E-07	4.57E-08	3.44E-08	3.41E-08	4.10E-08

URI (ΔCDF)	-1.28E-07	-2.99E-08	-2.62E-08	-2.62E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.20E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**3.30E-08**	**2.10E-08**	**2.10E-08**	**2.80E-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

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.

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	0.000117	0.000125	0.000122	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070
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**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	0.020	0.020	0.020	0.020	0.010	0.030	0.030	0.020	0.030	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.2**	**0.2**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**
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	0.020	0.020	0.020	0.020	0.020	0.040	0.030	0.030	0.030	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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	790	1017	791	1016	903	1017	791	1012
Total sirens-tests	791	1017	791	1017	904	1017	791	1017
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: December 15, 2015

Sequoyah 2

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	2159.0	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments:

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	2.18E-08	2.29E-08	2.31E-08	3.83E-09	1.40E-08	4.84E-08	3.69E-08	2.95E-08
URI (ΔCDF)	-4.26E-08	-3.98E-08	-4.11E-08	-9.34E-08	-9.29E-08	-3.73E-08	-5.36E-08	-5.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-1.70E-08**	**-1.80E-08**	**-9.00E-08**	**-7.90E-08**	**1.10E-08**	**-1.70E-08**	**-2.50E-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

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 (ΔCDF)	1.56E-08	1.58E-08	1.83E-08	3.17E-08	2.86E-08	3.32E-08	3.39E-08	3.14E-08
URI (ΔCDF)	-1.02E-09	-1.03E-09	-1.03E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**1.50E-08**	**1.70E-08**	**2.90E-08**	**2.60E-08**	**3.10E-08**	**3.20E-08**	**2.90E-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.

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	2.45E-09	1.03E-08	1.27E-08	2.23E-08	1.69E-08	2.34E-08	1.59E-08	-2.59E-09
URI (ΔCDF)	-9.08E-08	-9.13E-08	-9.13E-08	-1.63E-07	-1.66E-07	-1.66E-07	-1.64E-07	-1.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.80E-08**	**-8.10E-08**	**-7.90E-08**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.70E-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

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 2A (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 2A-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 (ΔCDF)	1.91E-08	1.62E-08	2.06E-08	1.55E-08	1.54E-08	1.33E-08	1.32E-08	1.04E-08
URI (ΔCDF)	1.05E-07	1.03E-07	1.01E-07	5.83E-08	5.72E-08	5.62E-08	5.52E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**1.20E-07**	**7.40E-08**	**7.30E-08**	**7.00E-08**	**6.80E-08**	**6.60E-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 revisedThe 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 (ΔCDF)	1.35E-07	1.37E-07	1.31E-07	4.57E-08	3.44E-08	3.41E-08	4.10E-08	3.82E-08
URI (ΔCDF)	-2.99E-08	-2.62E-08	-2.62E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.10E-07**	**3.30E-08**	**2.10E-08**	**2.10E-08**	**2.80E-08**	**2.50E-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

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.

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	0.000125	0.000145	0.000309	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084
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**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.020	0.010	0.030	0.030	0.020	0.030	0.020	0.020	0.010	0.020	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**	**0.1**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**
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	0.020	0.020	0.040	0.030	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: March 1, 2016

Sequoyah 2

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The inadvertent steam supply swap on the Unit 2 Terry Turbine going into the U2R20 refueling outage was determined to be a functional failure. Unit 2 heat removal indicator was updated for November 2015.

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	0	0	0
Critical hours	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	1399.0	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	1	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

2Q/14: LER 50-328/2014-001 - Misalignment of Containment Purge Radiation Monitors Results in Condition Prohibited by Technical Specifications

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	2.29E-08	2.31E-08	3.83E-09	1.40E-08	4.84E-08	3.69E-08	2.95E-08	1.46E-08
URI (ΔCDF)	-3.98E-08	-4.11E-08	-9.34E-08	-9.29E-08	-3.73E-08	-5.36E-08	-5.49E-08	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-1.80E-08**	**-9.00E-08**	**-7.90E-08**	**1.10E-08**	**-1.70E-08**	**-2.50E-08**	**-1.30E-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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.58E-08	1.83E-08	3.17E-08	2.86E-08	3.32E-08	3.39E-08	3.14E-08	2.78E-08
URI (ΔCDF)	-1.03E-09	-1.03E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**1.70E-08**	**2.90E-08**	**2.60E-08**	**3.10E-08**	**3.20E-08**	**2.90E-08**	**2.60E-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, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.03E-08	1.27E-08	2.23E-08	1.69E-08	2.34E-08	1.59E-08	-2.59E-09	-3.07E-09
URI (ΔCDF)	-9.13E-08	-9.13E-08	-1.63E-07	-1.66E-07	-1.66E-07	-1.64E-07	2.67E-08	3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.10E-08**	**-7.90E-08**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**2.40E-08**	**2.80E-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, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.62E-08	2.06E-08	1.55E-08	1.54E-08	1.33E-08	1.32E-08	1.04E-08	8.21E-09
URI (ΔCDF)	1.03E-07	1.01E-07	5.83E-08	5.72E-08	5.62E-08	5.52E-08	5.52E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**7.40E-08**	**7.30E-08**	**7.00E-08**	**6.80E-08**	**6.60E-08**	**6.30E-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 revisedThe 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

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	1.37E-07	1.31E-07	4.57E-08	3.44E-08	3.41E-08	4.10E-08	3.82E-08	1.73E-08
URI (ΔCDF)	-2.62E-08	-2.62E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**3.30E-08**	**2.10E-08**	**2.10E-08**	**2.80E-08**	**2.50E-08**	**4.30E-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.

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	0.000293	0.000129	0.000076	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/14**	**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	0.020	0.030	0.020	0.020	0.010	0.020	0.020	0.020	0.020	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.3**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**
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	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.040	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2016

Sequoyah 2

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	1.0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3
Indicator value	**0.9**	**0.9**	**1.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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

Licensee Comments:

1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	2.31E-08	3.83E-09	1.40E-08	4.84E-08	3.69E-08	2.95E-08	1.46E-08	1.56E-09
URI (ΔCDF)	-4.11E-08	-9.34E-08	-9.29E-08	-3.73E-08	-5.36E-08	-5.49E-08	-1.46E-07	-1.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-08**	**-9.00E-08**	**-7.90E-08**	**1.10E-08**	**-1.70E-08**	**-2.50E-08**	**-1.30E-07**	**-1.50E-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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.83E-08	3.17E-08	2.86E-08	3.32E-08	3.39E-08	3.14E-08	2.78E-08	2.34E-08
URI (ΔCDF)	-1.03E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**2.90E-08**	**2.60E-08**	**3.10E-08**	**3.20E-08**	**2.90E-08**	**2.60E-08**	**2.10E-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, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	1.27E-08	2.23E-08	1.69E-08	2.34E-08	1.59E-08	-2.59E-09	-3.07E-09	-1.69E-08
URI (ΔCDF)	-9.13E-08	-1.63E-07	-1.66E-07	-1.66E-07	-1.64E-07	2.67E-08	3.14E-08	2.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.90E-08**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**2.40E-08**	**2.80E-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, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	2.06E-08	1.55E-08	1.54E-08	1.33E-08	1.32E-08	1.04E-08	8.21E-09	9.88E-09
URI (ΔCDF)	1.01E-07	5.83E-08	5.72E-08	5.62E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**7.40E-08**	**7.30E-08**	**7.00E-08**	**6.80E-08**	**6.60E-08**	**6.30E-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 revisedThe 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

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	1.31E-07	4.57E-08	3.44E-08	3.41E-08	4.10E-08	3.82E-08	1.73E-08	1.57E-08
URI (ΔCDF)	-2.62E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**3.30E-08**	**2.10E-08**	**2.10E-08**	**2.80E-08**	**2.50E-08**	**4.30E-09**	**2.70E-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).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000068	0.000089	0.000070	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum activity	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050	0.000053	0.000055	0.000067
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.020	0.020	0.010	0.020	0.020	0.020	0.020	0.020	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	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**	**0.3**	**0.3**
Reactor Coolant System Leakage	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum leakage	0.030	0.020	0.020	0.020	0.020	0.040	0.020	0.020	0.010	0.020	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	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: July 25, 2016

Sequoyah 2

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2209.0	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0
Indicator value	**0.9**	**1.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 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	1	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments:

1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	3.83E-09	1.40E-08	4.84E-08	3.69E-08	2.95E-08	1.46E-08	1.56E-09	-5.45E-09
URI (ΔCDF)	-9.34E-08	-9.29E-08	-3.73E-08	-5.36E-08	-5.49E-08	-1.46E-07	-1.49E-07	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-08**	**-7.90E-08**	**1.10E-08**	**-1.70E-08**	**-2.50E-08**	**-1.30E-07**	**-1.50E-07**	**-1.50E-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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	3.17E-08	2.86E-08	3.32E-08	3.39E-08	3.14E-08	2.78E-08	2.34E-08	1.78E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-08**	**2.60E-08**	**3.10E-08**	**3.20E-08**	**2.90E-08**	**2.60E-08**	**2.10E-08**	**1.60E-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, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	2.23E-08	1.69E-08	2.34E-08	1.59E-08	-2.59E-09	-3.07E-09	-1.69E-08	-1.86E-08
URI (ΔCDF)	-1.63E-07	-1.66E-07	-1.66E-07	-1.64E-07	2.67E-08	3.14E-08	2.80E-08	2.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**2.40E-08**	**2.80E-08**	**1.10E-08**	**9.30E-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

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	1.55E-08	1.54E-08	1.33E-08	1.32E-08	1.04E-08	8.21E-09	9.88E-09	1.03E-08
URI (ΔCDF)	5.83E-08	5.72E-08	5.62E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.40E-08**	**7.30E-08**	**7.00E-08**	**6.80E-08**	**6.60E-08**	**6.30E-08**	**6.50E-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 revisedThe 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

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	4.57E-08	3.44E-08	3.41E-08	4.10E-08	3.82E-08	1.73E-08	1.57E-08	2.33E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**2.10E-08**	**2.10E-08**	**2.80E-08**	**2.50E-08**	**4.30E-09**	**2.70E-09**	**1.00E-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

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	0.000085	0.000075	0.000084	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum activity	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050	0.000053	0.000055	0.000067	0.000129	0.000066	0.000071
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.020	0.020	0.020	0.020	0.020	0.040	0.030	0.030	0.030	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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**
Reactor Coolant System Leakage	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum leakage	0.020	0.020	0.040	0.020	0.020	0.010	0.020	0.020	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	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: October 23, 2016

Sequoyah 2

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	2043.0	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0
Indicator value	**1.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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

Licensee Comments:

4Q/16: LER 328/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 328/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable

1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	1.40E-08	4.84E-08	3.69E-08	2.95E-08	1.46E-08	1.56E-09	-5.45E-09	-5.68E-09
URI (ΔCDF)	-9.29E-08	-3.73E-08	-5.36E-08	-5.49E-08	-1.46E-07	-1.49E-07	-1.46E-07	-1.54E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.90E-08**	**1.10E-08**	**-1.70E-08**	**-2.50E-08**	**-1.30E-07**	**-1.50E-07**	**-1.50E-07**	**-1.60E-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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	2.86E-08	3.32E-08	3.39E-08	3.14E-08	2.78E-08	2.34E-08	1.78E-08	1.95E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**3.10E-08**	**3.20E-08**	**2.90E-08**	**2.60E-08**	**2.10E-08**	**1.60E-08**	**1.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	1.69E-08	2.34E-08	1.59E-08	-2.59E-09	-3.07E-09	-1.69E-08	-1.86E-08	-2.09E-08
URI (ΔCDF)	-1.66E-07	-1.66E-07	-1.64E-07	2.67E-08	3.14E-08	2.80E-08	2.80E-08	2.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**2.40E-08**	**2.80E-08**	**1.10E-08**	**9.30E-09**	**7.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	1.54E-08	1.33E-08	1.32E-08	1.04E-08	8.21E-09	9.88E-09	1.03E-08	1.02E-08
URI (ΔCDF)	5.72E-08	5.62E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.30E-08**	**7.00E-08**	**6.80E-08**	**6.60E-08**	**6.30E-08**	**6.50E-08**	**6.50E-08**	**6.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	3.44E-08	3.41E-08	4.10E-08	3.82E-08	1.73E-08	1.57E-08	2.33E-08	2.57E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.10E-08**	**2.80E-08**	**2.50E-08**	**4.30E-09**	**2.70E-09**	**1.00E-08**	**1.30E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000078	0.000091	0.000114	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum activity	0.000050	0.000095	0.000050	0.000053	0.000055	0.000067	0.000129	0.000066	0.000071	0.000077	0.000078	0.000076
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	0.020	0.020	0.040	0.030	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**
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	0.020	0.020	0.010	0.020	0.020	0.020	0.010	0.020	0.020	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	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: January 24, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Sequoyah 2 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**

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Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	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

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

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Licensee Comments:
4Q/16: LER 328/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 328/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable
1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	4.84E-08	3.69E-08	2.95E-08	1.46E-08	1.56E-09	-5.45E-09	-5.68E-09	1.21E-08
URI (ΔCDF)	-3.73E-08	-5.36E-08	-5.49E-08	-1.46E-07	-1.49E-07	-1.46E-07	-1.54E-07	-1.54E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**-1.70E-08**	**-2.50E-08**	**-1.30E-07**	**-1.50E-07**	**-1.50E-07**	**-1.60E-07**	**-1.40E-07**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	3.32E-08	3.39E-08	3.14E-08	2.78E-08	2.34E-08	1.78E-08	1.95E-08	1.75E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-08**	**3.20E-08**	**2.90E-08**	**2.60E-08**	**2.10E-08**	**1.60E-08**	**1.70E-08**	**1.50E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.34E-08	1.59E-08	-2.59E-09	-3.07E-09	-1.69E-08	-1.86E-08	-2.09E-08	-2.31E-08
URI (ΔCDF)	-1.66E-07	-1.64E-07	2.67E-08	3.14E-08	2.80E-08	2.80E-08	2.80E-08	2.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**2.40E-08**	**2.80E-08**	**1.10E-08**	**9.30E-09**	**7.10E-09**	**4.80E-09**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	1.33E-08	1.32E-08	1.04E-08	8.21E-09	9.88E-09	1.03E-08	1.02E-08	8.61E-09
URI (ΔCDF)	5.62E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.00E-08**	**6.80E-08**	**6.60E-08**	**6.30E-08**	**6.50E-08**	**6.50E-08**	**6.50E-08**	**-1.70E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	3.41E-08	4.10E-08	3.82E-08	1.73E-08	1.57E-08	2.33E-08	2.57E-08	3.67E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.80E-08**	**2.50E-08**	**4.30E-09**	**2.70E-09**	**1.00E-08**	**1.30E-08**	**2.30E-08**

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Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000089	0.000118	0.000089	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000053	0.000055	0.000067	0.000129	0.000066	0.000071	0.000077	0.000078	0.000076	0.000071	0.000074	0.000078
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.030	0.030	0.030	0.020	0.020	0.020	0.020	0.040	0.020	0.020	0.010
Technical specification limit	10.0	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**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**

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	0.020	0.020	0.020	0.010	0.020	0.020	0.020	0.040	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	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**	**0.2**	**0.2**	**0.3**

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Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

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Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

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

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation 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**

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Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

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Licensee Comments: none

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

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

Sequoyah 2 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7
Indicator value	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7
Indicator value	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**

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Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

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Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	0	1	0	0	2	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**3**	**2**	**3**

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Licensee Comments:
2Q/17: LER 328/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable
4Q/16: LER 328/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 328/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable
1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	3.69E-08	2.95E-08	1.46E-08	1.56E-09	-5.45E-09	-5.68E-09	1.21E-08	1.03E-08
URI (ΔCDF)	-5.36E-08	-5.49E-08	-1.46E-07	-1.49E-07	-1.46E-07	-1.54E-07	-1.54E-07	-1.56E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-2.50E-08**	**-1.30E-07**	**-1.50E-07**	**-1.50E-07**	**-1.60E-07**	**-1.40E-07**	**-1.50E-07**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	3.39E-08	3.14E-08	2.78E-08	2.34E-08	1.78E-08	1.95E-08	1.75E-08	1.71E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-08**	**2.90E-08**	**2.60E-08**	**2.10E-08**	**1.60E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**

TOP

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	1.59E-08	-2.59E-09	-3.07E-09	-1.69E-08	-1.86E-08	-2.09E-08	-2.31E-08	-2.03E-08
URI (ΔCDF)	-1.64E-07	2.67E-08	3.14E-08	2.80E-08	2.80E-08	2.80E-08	2.80E-08	2.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**2.40E-08**	**2.80E-08**	**1.10E-08**	**9.30E-09**	**7.10E-09**	**4.80E-09**	**4.40E-09**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	1.32E-08	1.04E-08	8.21E-09	9.88E-09	1.03E-08	1.02E-08	8.61E-09	9.81E-09
URI (ΔCDF)	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	-2.57E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-08**	**6.60E-08**	**6.30E-08**	**6.50E-08**	**6.50E-08**	**6.50E-08**	**-1.70E-08**	**-1.60E-08**

TOP

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	4.10E-08	3.82E-08	1.73E-08	1.57E-08	2.33E-08	2.57E-08	3.67E-08	3.91E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.32E-08	-1.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-08**	**2.50E-08**	**4.30E-09**	**2.70E-09**	**1.00E-08**	**1.30E-08**	**2.30E-08**	**2.60E-08**

TOP

Licensee Comments: none

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	0.000094	0.000101	0.000090	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050	0.000053	0.000055	0.000067
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000129	0.000066	0.000071	0.000077	0.000078	0.000076	0.000071	0.000074	0.000078	0.000086	N/A	0.000055
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.030	0.020	0.020	0.020	0.020	0.040	0.020	0.020	0.010	0.020	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	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**

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	0.010	0.020	0.020	0.020	0.040	0.030	0.020	0.020	0.030	0.040	0	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	**0.1**	**0.2**	**0.2**	**0.2**	**0.4**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0**	**0.3**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

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

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%**

TOP

Licensee Comments: none

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

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Licensee Comments: none

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

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Sequoyah 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1498.6	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7	2208.0
Indicator value	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	1	0	0	2	0	1	0
Indicator value	**0**	**1**	**1**	**1**	**3**	**2**	**3**	**3**

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Licensee Comments:
2Q/17: LER 328/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable
4Q/16: LER 328/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 328/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable
1Q/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	2.95E-08	1.46E-08	1.56E-09	-5.45E-09	-5.68E-09	1.21E-08	1.03E-08	1.12E-08
URI (ΔCDF)	-5.49E-08	-1.46E-07	-1.49E-07	-1.46E-07	-1.54E-07	-1.54E-07	-1.56E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-08**	**-1.30E-07**	**-1.50E-07**	**-1.50E-07**	**-1.60E-07**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**

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 (ΔCDF)	3.14E-08	2.78E-08	2.34E-08	1.78E-08	1.95E-08	1.75E-08	1.71E-08	1.16E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-08**	**2.60E-08**	**2.10E-08**	**1.60E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**9.30E-09**

TOP

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-2.59E-09	-3.07E-09	-1.69E-08	-1.86E-08	-2.09E-08	-2.31E-08	-2.03E-08	-3.41E-08
URI (ΔCDF)	2.67E-08	3.14E-08	2.80E-08	2.80E-08	2.80E-08	2.80E-08	2.47E-08	2.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**2.80E-08**	**1.10E-08**	**9.30E-09**	**7.10E-09**	**4.80E-09**	**4.40E-09**	**-9.50E-09**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	1.04E-08	8.21E-09	9.88E-09	1.03E-08	1.02E-08	8.61E-09	9.81E-09	7.93E-09
URI (ΔCDF)	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	-2.57E-08	-2.57E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-08**	**6.30E-08**	**6.50E-08**	**6.50E-08**	**6.50E-08**	**-1.70E-08**	**-1.60E-08**	**-1.80E-08**

TOP

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	3.82E-08	1.73E-08	1.57E-08	2.33E-08	2.57E-08	3.67E-08	3.91E-08	6.56E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.32E-08	-1.34E-08	-1.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**4.30E-09**	**2.70E-09**	**1.00E-08**	**1.30E-08**	**2.30E-08**	**2.60E-08**	**5.20E-08**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000138	0.000068	0.000055	0.000050	0.000095	0.000050	0.000053	0.000055	0.000067	0.000129	0.000066	0.000071
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000077	0.000078	0.000076	0.000071	0.000074	0.000078	0.000086	N/A	0.000055	0.000070	0.000055	0.000063
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**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.020	0.020	0.040	0.020	0.020	0.010	0.020	0.020	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	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**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	0.020	0.040	0.030	0.020	0.020	0.030	0.040	0	0.030	0.040	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**	**0.4**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0**	**0.3**	**0.4**	**0.3**	**0.3**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

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%**

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation 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**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

TOP

Licensee Comments: none

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

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Sequoyah 2 – 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)

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	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**Q1/16**	**Q2/16**	**Q3/16**	**Q4/16**	**Q1/17**	**Q2/17**	**Q3/17**	**Q4/17**
Unplanned Power Changes	0	1.0	0	0	0	0	0	0

Critical Hours	2183.0	2150.3	2208.0	2209.0	2159.0	1331.7	2208.0	2209.0
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

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Licensee Comments: none

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

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

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Licensee Comments:
Q2/17: LER 328/2017-001, Breached Door Renders Both Trains of the Auxiliary Building Gas Treatment System Inoperable
Q4/16: LER 328/2016-007 Unanalyzed Condition Due to Emergency Gas Treatment System not Meeting Single Failure Criteria. LER 328/2016-008 Closed Fire Damper Renders Both Trains of the Control Room Emergency Ventilation System Inoperable
Q1/16: Licensee Event Report 328/2015-002 - Unanalyzed Condition due to Inoperable Containment Recirculation Drains.

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	**Q1/16**	**Q2/16**	**Q3/16**	**Q4/16**	**Q1/17**	**Q2/17**	**Q3/17**	**Q4/17**
UAI (ΔCDF)	1.46E-08	1.56E-09	-5.45E-09	-5.68E-09	1.21E-08	1.03E-08	1.12E-08	1.28E-08
URI (ΔCDF)	-1.46E-07	-1.49E-07	-1.46E-07	-1.54E-07	-1.54E-07	-1.56E-07	-1.50E-07	-1.56E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.50E-07**	**-1.50E-07**	**-1.60E-07**	**-1.40E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**Q1/16**	**Q2/16**	**Q3/16**	**Q4/16**	**Q1/17**	**Q2/17**	**Q3/17**	**Q4/17**
UAI (ΔCDF)	2.78E-08	2.34E-08	1.78E-08	1.95E-08	1.75E-08	1.71E-08	1.16E-08	1.89E-08
URI (ΔCDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**2.10E-08**	**1.60E-08**	**1.70E-08**	**1.50E-08**	**1.50E-08**	**9.30E-09**	**1.70E-08**

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Licensee Comments: none

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 (ΔCDF)	-3.07E-09	-1.69E-08	-1.86E-08	-2.09E-08	-2.31E-08	-2.03E-08	-3.41E-08	-3.41E-08
URI (ΔCDF)	3.14E-08	2.80E-08	2.80E-08	2.80E-08	2.80E-08	2.47E-08	2.47E-08	2.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.80E-08**	**1.10E-08**	**9.30E-09**	**7.10E-09**	**4.80E-09**	**4.40E-09**	**-9.50E-09**	**-9.50E-09**

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Licensee Comments: none

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 (ΔCDF)	8.21E-09	9.88E-09	1.03E-08	1.02E-08	8.61E-09	9.81E-09	7.93E-09	1.14E-08
URI (ΔCDF)	5.52E-08	5.52E-08	5.52E-08	5.52E-08	-2.57E-08	-2.57E-08	-2.57E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**6.30E-08**	**6.50E-08**	**6.50E-08**	**6.50E-08**	**-1.70E-08**	**-1.60E-08**	**-1.80E-08**	**-1.40E-08**

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Licensee Comments: none

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 (ΔCDF)	1.73E-08	1.57E-08	2.33E-08	2.57E-08	3.67E-08	3.91E-08	6.56E-08	9.35E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.32E-08	-1.34E-08	-1.34E-08	-1.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-09**	**2.70E-09**	**1.00E-08**	**1.30E-08**	**2.30E-08**	**2.60E-08**	**5.20E-08**	**8.00E-08**

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Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity

Indicator value

Indicator value

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Licensee Comments: none

Licensee Comments:

Thresholds: White > 50.0 Yellow > 100.0

Thresholds: White < 90.0% Yellow < 70.0%

Thresholds: White < 80.0% Yellow < 60.0%

Thresholds: White < 94.0% Yellow < 90.0%

Thresholds: White > 2.0 Yellow > 5.0

Thresholds: White > 1.0 Yellow > 3.0

Thresholds: White > 0.08

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.

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