Wolf Creek 1

1Q/2000 Performance Indicators

Licensee's General Comments: WCNOC used NEI 99-02 Revision D for this submittal.

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	1.0	0	0
Critical hours	2160.0	1328.8	2192.0	2209.0	2184.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	1.0	0	0	2.0	0
Critical hours	2160.0	1328.8	2192.0	2209.0	2184.0
Indicator value	**0.8**	**0.9**	**0.9**	**2.7**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	1.40	27.89	4.50	35.20	54.64
Unplanned unavailable hours	78.90	0	0	44.40	10.90
Fault exposure hours	395.50	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	26.60	3.51	19.89	3.58	38.68
Unplanned unavailable hours	1.90	36.10	0	3.33	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				**2.2%**	**2.2%**

Licensee Comments:

1Q/99: First Quarter 1999: WCNOC has removed 395.5 fault exposure hours in accordance with NEI 99-02, Rev. 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-482/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000.

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	18.78	6.83	2.02	36.27	50.80
Unplanned unavailable hours	43.67	0	0	44.33	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1328.80	2192.00	2209.00	2184.00
Train 2					
Planned unavailable hours	3.59	1.83	7.91	40.98	54.10
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	1328.80	2192.00	2209.00	2184.00
Train 3					
Planned unavailable hours	6.66	0.42	8.00	0.38	61.59
Unplanned unavailable hours	43.40	0	0	44.33	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1328.80	2192.00	2209.00	2184.00
Train 4					
Planned unavailable hours	8.92	0.25	0	0.15	50.49
Unplanned unavailable hours	9.10	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1328.80	2192.00	2209.00	2184.00
Indicator value				**0.7%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	84.78	21.88	8.21	22.52	67.52
Unplanned unavailable hours	0	0	0	44.40	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1328.80	2192.00	2209.00	2184.00
Train 2					
Planned unavailable hours	29.95	0.55	39.10	16.40	45.22
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	1328.80	2192.00	2209.00	2184.00
Train 3					
Planned unavailable hours	23.73	10.71	13.74	3.14	14.86
Unplanned unavailable hours	0	0	7.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1328.80	2192.00	2209.00	2184.00
Indicator value				**1.2%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	30.53	0.33	0.22	21.70	51.43
Unplanned unavailable hours	43.40	0	0	44.40	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	18.65	0.74	0.11	15.93	32.33
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				**0.7%**	**0.8%**

Licensee Comments:

1Q/00: Changed B Train RHR planned unavailability from 1.12 hours to 0.21 based on additional system reviews.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

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	0.008800	0.003100	0.003400	0.003700	0.004100	0.004500	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.9**	**0.3**	**0.3**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.076	0.199	0.097	0.083	0.125	0.095	0.094	0.090	0.086	0.135	0.090	0.295
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**2.0**	**1.0**	**0.8**	**1.3**	**1.0**	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**

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	41.0	10.0	60.0	57.0	56.0
Total opportunities	42.0	10.0	61.0	60.0	57.0
Indicator value				**95.1%**	**95.7%**

Licensee Comments:

1Q/00: Previously reported a quarterly number for March 2000 that was revised to show just March statistics. In addition for one drill during the month of March one opportunity was removed due to lack of supporting records.

4Q/99: Previously reported 58 successes with 62 opportunities; revised to removed a failure to meet procedural expectations item that was counted twice and should have only been counted once.

3Q/99: Document reviews disclosed records supporting additional opportunities for this period.

2Q/99: Document reviews disclosed that records supporting a second classification were not evident, therefore the previously reported 12 opportunities and 12 successes were revised to 10 opportunities and 10 successes.

3Q/98: Data for 3rd quarter 1998 was previously reported as 41 successes with 43 opportunities, this data has been revised due to additional document reviews.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	0	0	0	46.0	48.0
Total Key personnel	0	0	0	50.0	49.0
Indicator value				**92.0%**	**98.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	66	77	66	78	77
Total sirens-tests	66	78	66	78	77
Indicator value	**99.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	58.20	0	120.90	0.60	98.10
CCTV compensatory hours	28.1	42.1	31.6	17.9	3.4
IDS normalization factor	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3
Index Value	**0.009**	**0.010**	**0.014**	**0.012**	**0.012**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Wolf Creek 1

2Q/2000 Performance Indicators

Licensee's General Comments: Change to Mitigating Systems RHR PI for 1Q2000 to reflect reduced planned unavailability hours from 1.12 hours to 0.21. Change report also reflects the addition of one key ERO person for the ERO Drill Participation Indicator for 2Q2000.

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	1.0	0	0	0
Critical hours	1328.8	2192.0	2209.0	2184.0	2183.0
Indicator value	**0**	**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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	2.0	0	0
Critical hours	1328.8	2192.0	2209.0	2184.0	2183.0
Indicator value	**0.9**	**0.9**	**2.7**	**1.8**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	27.89	4.50	35.20	54.64	33.88
Unplanned unavailable hours	0	0	44.40	10.90	4.78
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	395.50
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	3.51	19.89	3.58	38.68	3.64
Unplanned unavailable hours	36.10	0	3.33	0	20.57
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			**2.2%**	**2.2%**	**1.5%**

Licensee Comments:

1Q/99: First Quarter 1999: WCNOC has removed 395.5 fault exposure hours in accordance with NEI 99-02, Rev. 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-482/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	6.83	2.02	36.27	50.80	33.36
Unplanned unavailable hours	0	0	44.33	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1328.80	2192.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	1.83	7.91	40.98	54.10	18.04
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	1328.80	2192.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	0.42	8.00	0.38	61.59	9.34
Unplanned unavailable hours	0	0	44.33	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1328.80	2192.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0.25	0	0.15	50.49	5.90
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0

Required hours	1328.80	2192.00	2209.00	2184.00	2183.00
Indicator value			**0.7%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	21.88	8.21	22.52	67.52	3.44
Unplanned unavailable hours	0	0	44.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1328.80	2192.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0.55	39.10	16.40	45.22	1.93
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	1328.80	2192.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	10.71	13.74	3.14	14.86	2.51
Unplanned unavailable hours	0	7.00	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	1328.80	2192.00	2209.00	2184.00	2183.00
Indicator value			**1.2%**	**1.2%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.33	0.22	21.70	51.43	26.51
Unplanned unavailable hours	0	0	44.40	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	0.74	0.11	15.93	32.33	22.23
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.7%**	**0.8%**	**0.8%**

Licensee Comments:

1Q/00: Changed B Train RHR planned unavailability from 1.12 hours to 0.21 based on additional system reviews.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	1	1	0	0	0
Indicator value	**4**	**4**	**3**	**2**	**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	0.003700	0.004100	0.004500	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.083	0.125	0.095	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**1.3**	**1.0**	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	10.0	60.0	57.0	56.0	39.0
Total opportunities	10.0	61.0	60.0	57.0	40.0
Indicator value			**95.1%**	**95.7%**	**96.4%**

Licensee Comments:

1Q/00: Previously reported a quarterly number for March 2000 that was revised to show just March statistics. In addition for one drill during the month of March one opportunity was removed due to lack of supporting records.

4Q/99: Previously reported 58 successes with 62 opportunities; revised to removed a failure to meet procedural expectations item that was counted twice and should have only been counted once.

3Q/99: Document reviews disclosed records supporting additional opportunities for this period.

2Q/99: Document reviews disclosed that records supporting a second classification were not evident, therefore the previously reported 12 opportunities and 12 successes were revised to 10 opportunities and 10 successes.

3Q/98: Data for 3rd quarter 1998 was previously reported as 41 successes with 43 opportunities, this data has been revised due to additional document reviews.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	0	0	46.0	48.0	46.0
Total Key personnel	0	0	50.0	49.0	48.0
Indicator value			**92.0%**	**98.0%**	**95.8%**

Licensee Comments:

2Q/00: Changed to reflect the addition of one key ERO member who was not counted on the original submittal.

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	77	66	78	77	76
Total sirens-tests	78	66	78	77	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	0	120.90	0.60	98.10	28.40
CCTV compensatory hours	42.1	31.6	17.9	3.4	35.8
IDS normalization factor	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3
Index Value	**0.010**	**0.014**	**0.012**	**0.012**	**0.013**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Wolf Creek 1

3Q/2000 Performance Indicators

Licensee's General Comments: Quarterly Report for Wolf Creek Generating Station. Wolf Creek entered Refueling Outage XI on September 29, 2000.

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	1.0	0	0	0	1.0
Critical hours	2192.0	2209.0	2184.0	2183.0	2151.7
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments:

3Q/00: The unit tripped on 9/4/2000 due to a squirrel causing a fire in the unit auxilliary transformer. The unit went back critical on 9/5/2000. WCGS entered Refuel XI on September 29, 2000 at 11:51 p.m.

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**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	2.0	0	0	0
Critical hours	2192.0	2209.0	2184.0	2183.0	2151.7
Indicator value	**0.9**	**2.7**	**1.8**	**1.6**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	4.50	35.20	54.64	33.88	2.60
Unplanned unavailable hours	0	44.40	10.90	4.78	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	395.50	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	19.89	3.58	38.68	3.64	19.17
Unplanned unavailable hours	0	3.33	0	20.57	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		**2.2%**	**2.2%**	**1.5%**	**1.4%**

Licensee Comments: none

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	2.02	36.27	50.80	33.36	8.78
Unplanned unavailable hours	0	44.33	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2192.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	7.91	40.98	54.10	18.04	16.23
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2192.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	8.00	0.38	61.59	9.34	11.63
Unplanned unavailable hours	0	44.33	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2192.00	2209.00	2184.00	2183.00	2208.00
Train 4					
Planned unavailable hours	0	0.15	50.49	5.90	20.86
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	2192.00	2209.00	2184.00	2183.00	2208.00
Indicator value		**0.7%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	8.21	22.52	67.52	3.44	15.48
Unplanned unavailable hours	0	44.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2192.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	39.10	16.40	45.22	1.93	18.51
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	2192.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	13.74	3.14	14.86	2.51	17.71
Unplanned unavailable hours	7.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2192.00	2209.00	2184.00	2183.00	2208.00
Indicator value		**1.2%**	**1.2%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.22	21.70	51.43	26.51	11.05
Unplanned unavailable hours	0	44.40	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	0.11	15.93	32.33	22.23	34.88
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		**0.7%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments:

1Q/00: Changed B Train RHR planned unavailability from 1.12 hours to 0.21 based on additional system reviews.

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	1	0	0	0	0
Indicator value	**4**	**3**	**2**	**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	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**

Licensee Comments:

9/00: Changed:9/2000 to .007 as the original number (.0131) was not the steady state data

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	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**1.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	60.0	57.0	56.0	39.0	64.0
Total opportunities	61.0	60.0	57.0	40.0	71.0
Indicator value		**95.1%**	**95.7%**	**96.4%**	**95.5%**

Licensee Comments:

3Q/00: Revised July to show addition license requal opportunities. August data revised to reflect a classification that did not occur and one less opportunity for a notification.

1Q/00: Previously reported a quarterly number for March 2000 that was revised to show just March statistics. In addition for one drill during the month of March one opportunity was removed due to lack of supporting records.

4Q/99: Previously reported 58 successes with 62 opportunities; revised to removed a failure to meet procedural expectations item that was counted twice and should have only been counted once.

3Q/99: Document reviews disclosed records supporting additional opportunities for this period.

2Q/99: Document reviews disclosed that records supporting a second classification were not evident, therefore the previously reported 12 opportunities and 12 successes were revised to 10 opportunities and 10 successes.

3Q/98: Data for 3rd quarter 1998 was previously reported as 41 successes with 43 opportunities, this data has been revised due to additional document reviews.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	0	46.0	48.0	46.0	46.0
Total Key personnel	0	50.0	49.0	48.0	46.0
Indicator value		**92.0%**	**98.0%**	**95.8%**	**100.0%**

Licensee Comments:

2Q/00: Changed to reflect the addition of one key ERO member who was not counted on the original submittal.

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	66	78	77	76	66
Total sirens-tests	66	78	77	77	66
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	120.90	0.60	98.10	28.40	25.50
CCTV compensatory hours	31.6	17.9	3.4	35.8	36.0
IDS normalization factor	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3
Index Value	**0.014**	**0.012**	**0.012**	**0.013**	**0.010**

Licensee Comments:

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).

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:

3Q/00: Historical event involving improper granting of unescorted access authorization. One hour report was made and PIR 2000-2060 written.

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

Wolf Creek 1

4Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments:

4Q/00: Refueling Outage XI began 9/29/00. Reactor was critical at 0320 on 11/6/00 after Refuel XI.

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	2.0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7
Indicator value	**2.7**	**1.8**	**1.6**	**1.6**	**0**

Licensee Comments:

4Q/00: Entered Refueling Outage XI on 9/29/00. Reactor was critical at 0320 on 11/6/00 after Refuel XI.

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72
Unplanned unavailable hours	44.40	10.90	4.78	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	395.50	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	3.58	38.68	3.64	19.17	0.95
Unplanned unavailable hours	3.33	0	20.57	0	7.43
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	**2.2%**	**2.2%**	**1.5%**	**1.4%**	**1.4%**

Licensee Comments:

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability. 7/2001 change to October 2000 hours train required for service: added 1 hour due to daylight savings time (744 to 745).

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	36.27	50.80	33.36	8.78	8.32
Unplanned unavailable hours	44.33	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	1421.00
Train 2					
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74
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	1385.00
Train 3					
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30
Unplanned unavailable hours	44.33	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	1385.00
Train 4					
Planned unavailable hours	0.15	50.49	5.90	20.86	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0

Required hours	2209.00	2184.00	2183.00	2208.00	1385.00
Indicator value	**0.7%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

4Q/00: A train CCP required for service from Mode 4 entry and beyond, req. hrs. equaled 677. B train CCP required for service from Mode 3 entry and beyond required hrs. equaled 641. A & B train SI required from Mode 3 entry and beyond required hrs. equaled 641.

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	22.52	67.52	3.44	15.48	9.25
Unplanned unavailable hours	44.40	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	1385.00
Train 2					
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78
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	1385.00
Train 3					
Planned unavailable hours	3.14	14.86	2.51	17.71	2.04

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	1385.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments:

4Q/00: A, B, & C train AFW required for service from Mode 3 entry and beyond thus required hrs. = 641

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	21.70	51.43	26.51	11.05	7.97
Unplanned unavailable hours	44.40	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	15.93	32.33	22.23	34.88	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00

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

Licensee Comments:

4Q/00: October 2000 hours train required for service changed from 744 to 745 due to daylight savings time.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000	N/A	0.001530	0.001930
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**	**N/A**	**0.2**	**0.2**

Licensee Comments:

12/00: Entered Refueling Outage XI on 9/29/00. *Changed 10/2000 from a zero to an N/A.

12/00: Entered Refueling Outage XI on 9/29/00. *Changed 10/2000 from a zero to an N/A.

9/00: Changed:9/2000 to .007 as the original number (.0131) was not the steady state data

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	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124	N/A	0.155	0.161
Technical specification limit	10.0	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**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**1.2**	**N/A**	**1.5**	**1.6**

Licensee Comments:

12/00: Changed: 10/2000 data from a zero to an N/A.

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	57.0	56.0	39.0	64.0	25.0
Total opportunities	60.0	57.0	40.0	71.0	25.0
Indicator value	**95.1%**	**95.7%**	**96.4%**	**95.5%**	**96.2%**

Licensee Comments:

3Q/00: Revised July to show addition license requal opportunities. August data revised to reflect a classification that did not occur and one less opportunity for a notification.

1Q/00: Previously reported a quarterly number for March 2000 that was revised to show just March statistics. In addition for one drill during the month of March one opportunity was removed due to lack of supporting records.

4Q/99: Previously reported 58 successes with 62 opportunities; revised to removed a failure to meet procedural expectations item that was counted twice and should have only been counted once.

3Q/99: Document reviews disclosed records supporting additional opportunities for this period.

2Q/99: Document reviews disclosed that records supporting a second classification were not evident, therefore the previously reported 12 opportunities and 12 successes were revised to 10 opportunities and 10 successes.

3Q/98: Data for 3rd quarter 1998 was previously reported as 41 successes with 43 opportunities, this data has been revised due to additional document reviews.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	46.0	48.0	46.0	46.0	46.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0
Indicator value	**92.0%**	**98.0%**	**95.8%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	78	77	76	66	77
Total sirens-tests	78	77	77	66	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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	0.60	98.10	28.40	25.50	106.30
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7
IDS normalization factor	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3
Index Value	**0.012**	**0.012**	**0.013**	**0.010**	**0.014**

Licensee Comments:

4Q/00: Review of security activity identified 1.3 hours over reported for December 2000 IDS Compensatory hours. (105.5 to 104.2)

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).

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

Wolf Creek 1

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0
Indicator value	**0.9**	**0.9**	**0.8**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	2.0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0
Indicator value	**2.7**	**1.8**	**1.6**	**1.6**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72	2.72
Unplanned unavailable hours	44.40	10.90	4.78	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	395.50	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	3.58	38.68	3.64	19.17	0.95	9.27
Unplanned unavailable hours	3.33	0	20.57	0	7.43	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	**2.2%**	**2.2%**	**1.5%**	**1.4%**	**1.4%**	**1.3%**

Licensee Comments:

1Q/01: January 2001 hours of planned unavailable hours was changed from 1.47 to 1.40.

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability. 7/2001 change to October 2000 hours train required for service: added 1 hour due to daylight savings time (744 to 745).

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS

2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	36.27	50.80	33.36	8.78	8.32	8.13
Unplanned unavailable hours	44.33	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	1421.00	2160.00
Train 2						
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74	5.59
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	1385.00	2160.00
Train 3						
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30	16.45
Unplanned unavailable hours	44.33	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	1385.00	2160.00
Train 4						
Planned unavailable hours	0.15	50.49	5.90	20.86	0	13.74
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	1385.00	2160.00
Indicator value	**0.7%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that trains 2 (15.37 hours to .17) and 4 (15.57 hours to .37) were available.

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	22.52	67.52	3.44	15.48	9.25	5.68
Unplanned unavailable hours	44.40	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	1385.00	2160.00
Train 2						
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66
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	1385.00	2160.00
Train 3						

Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03
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	1385.00	2160.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65
Unplanned unavailable hours	44.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	15.93	32.33	22.23	34.88	0	6.88
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	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that train 2 was available (15.33 hours to 0.13).

4Q/00: October 2000 hours train required for service changed from 744 to 745 due to daylight savings time.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**

Licensee Comments:

12/00: Entered Refueling Outage XI on 9/29/00. *Changed 10/2000 from a zero to an N/A.

9/00: Changed:9/2000 to .007 as the original number (.0131) was not the steady state data

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	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**1.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	N/A	0.155	0.161	0.162	0.162	0.162
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**

Licensee Comments:

12/00: Changed: 10/2000 data from a zero to an N/A.

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	57.0	56.0	39.0	64.0	25.0	56.0
Total opportunities	60.0	57.0	40.0	71.0	25.0	59.0
Indicator value	**95.1%**	**95.7%**	**96.4%**	**95.5%**	**96.2%**	**95.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	46.0	48.0	46.0	46.0	46.0	46.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0
Indicator value	**92.0%**	**98.0%**	**95.8%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	78	77	76	66	77	66
Total sirens-tests	78	77	77	66	77	66
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments:

1Q/01:

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	0.60	98.10	28.40	25.50	106.30	14.80
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4
Index Value	**0.012**	**0.012**	**0.013**	**0.010**	**0.014**	**0.011**

Licensee Comments:

1Q/01: March 2001: 0.2 hours added to CCTV (0 to 0.2)

4Q/00: Review of security activity identified 1.3 hours over reported for December 2000 IDS Compensatory hours. (105.5 to 104.2)

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Last Modified: March 28, 2002

Wolf Creek 1

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0
Indicator value	**0.9**	**0.9**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	2.0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0
Indicator value	**2.7**	**1.8**	**1.6**	**1.6**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72	2.72	31.00
Unplanned unavailable hours	44.40	10.90	4.78	0	0	0	14.08
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	395.50	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	3.58	38.68	3.64	19.17	0.95	9.27	0.98
Unplanned unavailable hours	3.33	0	20.57	0	7.43	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	**2.2%**	**2.2%**	**1.5%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**

Licensee Comments:

1Q/01: January 2001 hours of planned unavailable hours was changed from 1.47 to 1.40.

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability. 7/2001 change to October 2000 hours train required for service: added 1 hour due to daylight savings time (744 to 745).

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	36.27	50.80	33.36	8.78	8.32	8.13	6.73
Unplanned unavailable hours	44.33	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	1421.00	2160.00	2183.00
Train 2							
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74	5.59	19.73
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	1385.00	2160.00	2183.00
Train 3							
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30	16.45	0.16
Unplanned unavailable hours	44.33	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	1385.00	2160.00	2183.00
Train 4							
Planned unavailable hours	0.15	50.49	5.90	20.86	0	13.74	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0

Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
Indicator value	**0.7%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that trains 2 (15.37 hours to .17) and 4 (15.57 hours to .37) were available.

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	22.52	67.52	3.44	15.48	9.25	5.68	0.10
Unplanned unavailable hours	44.40	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	1385.00	2160.00	2183.00
Train 2							
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
Train 3							
Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65	10.09
Unplanned unavailable hours	44.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	15.93	32.33	22.23	34.88	0	6.88	10.13
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	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that train 2 was available (15.33 hours to 0.13).

4Q/00: October 2000 hours train required for service changed from 744 to 745 due to daylight savings time.

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**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	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**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	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	57.0	56.0	39.0	64.0	25.0	56.0	29.0
Total opportunities	60.0	57.0	40.0	71.0	25.0	59.0	30.0
Indicator value	**95.1%**	**95.7%**	**96.4%**	**95.5%**	**96.2%**	**95.8%**	**95.8%**

Licensee Comments:

2Q/01: June 2001: Data was revised to add LO Requal opportunities. Actual event opportunities performed timely and accurately was revised from 13 to 17 and actual event opportunities was revised from 14 to 18.

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	46.0	48.0	46.0	46.0	46.0	46.0	44.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0	44.0
Indicator value	**92.0%**	**98.0%**	**95.8%**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	78	77	76	66	77	66	74
Total sirens-tests	78	77	77	66	77	66	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.0%**

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

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	0.60	98.10	28.40	25.50	106.30	14.80	28.10
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6	1.1
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4	1.4
Index Value	**0.012**	**0.012**	**0.013**	**0.010**	**0.014**	**0.011**	**0.009**

Licensee Comments:

1Q/01: March 2001: 0.2 hours added to CCTV (0 to 0.2)

4Q/00: Review of security activity identified 1.3 hours over reported for December 2000 IDS Compensatory hours. (105.5 to 104.2)

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).

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

Wolf Creek 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0
Indicator value	**2.7**	**1.8**	**1.6**	**1.6**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72	2.72	31.00	0.70
Unplanned unavailable hours	44.40	10.90	4.78	0	0	0	14.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	395.50	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	3.58	38.68	3.64	19.17	0.95	9.27	0.98	18.10
Unplanned unavailable hours	3.33	0	20.57	0	7.43	0	0	0
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	**2.2%**	**2.2%**	**1.5%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.2%**

Licensee Comments:

1Q/01: January 2001 hours of planned unavailable hours was changed from 1.47 to 1.40.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	36.27	50.80	33.36	8.78	8.32	8.13	6.73	0.17
Unplanned unavailable hours	44.33	0	0	0	0	0	0	0
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	1421.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74	5.59	19.73	15.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30	16.45	0.16	7.07
Unplanned unavailable hours	44.33	0	0	0	0	0	0	0
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	1385.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.15	50.49	5.90	20.86	0	13.74	0	23.58
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00

Indicator value	**0.7%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

3Q/01: The hours required for service for the "A" train of Safety Injection (Train 3) was inadvertently entered as zero for the month of July. The train was required for the entire month and therefore the hours required should have been 744 hours. Thus the quarterly data went from 1464 hours to 2208 hours.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**
Train 1								
Planned unavailable hours	22.52	67.52	3.44	15.48	9.25	5.68	0.10	20.65
Unplanned unavailable hours	44.40	0	0	0	0	0	0	0
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	1385.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66	0	30.61
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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03	0.25	11.52

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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**
Train 1								
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65	10.09	6.84
Unplanned unavailable hours	44.40	0	0	0	0	0	0	0
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	15.93	32.33	22.23	34.88	0	6.88	10.13	15.58
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Indicator value	0.7%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**

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	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.4**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**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	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161	0.195	0.163	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	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**

Licensee Comments: none

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	57.0	56.0	39.0	64.0	25.0	56.0	29.0	26.0
Total opportunities	60.0	57.0	40.0	71.0	25.0	59.0	30.0	26.0
Indicator value	**95.1%**	**95.7%**	**96.4%**	**95.5%**	**96.2%**	**95.8%**	**95.8%**	**95.7%**

Licensee Comments:

3Q/01: Adding license requal opportunities for September 2001. Quarterly data went from 4 to 26 for both opportunities available and performed successfully.

3Q/01: Classification, protective action recommendation & notification opportunities associated with license exams will not be reported until the exam cycle is completed. Therefore, there were no opportunities reported for August and September 2001.

2Q/01: June 2001: Data was revised to add LO Requal opportunities. Actual event opportunities performed timely and accurately was revised from 13 to 17 and actual event opportunities was revised from 14 to 18.

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	46.0	48.0	46.0	46.0	46.0	46.0	44.0	43.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0	44.0	43.0
Indicator value	**92.0%**	**98.0%**	**95.8%**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	78	77	76	66	77	66	74	63
Total sirens-tests	78	77	77	66	77	66	77	66
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.0%**	**97.9%**

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	0.60	98.10	28.40	25.50	106.30	14.80	28.10	50.80
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6	1.1	3.3
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Index Value	**0.012**	**0.012**	**0.013**	**0.010**	**0.014**	**0.011**	**0.009**	**0.009**

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

Wolf Creek 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0
Indicator value	**1.8**	**1.6**	**1.6**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	54.64	33.88	2.60	15.72	2.72	31.00	0.70	42.84
Unplanned unavailable hours	10.90	4.78	0	0	0	14.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	395.50	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	38.68	3.64	19.17	0.95	9.27	0.98	18.10	16.03
Unplanned unavailable hours	0	20.57	0	7.43	0	0	0	0
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	**2.2%**	**1.5%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**

Licensee Comments: none

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOC had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOC removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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	50.80	33.36	8.78	8.32	8.13	6.73	0.17	40.81
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	2184.00	2183.00	2208.00	1421.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	54.10	18.04	16.23	0.74	5.59	19.73	15.80	6.55
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	61.59	9.34	11.63	8.30	16.45	0.16	7.07	30.73
Unplanned unavailable hours	0	0	0	0	0	0	0	4.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	50.49	5.90	20.86	0	13.74	0	23.58	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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

3Q/01: The hours required for service for the "A" train of Safety Injection (Train 3) was inadvertently entered as zero for the month of July. The train was required for the entire month and therefore the hours required should have been 744 hours. Thus the quarterly data went from 1464 hours to 2208 hours.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	67.52	3.44	15.48	9.25	5.68	0.10	20.65	31.80
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	1385.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	45.22	1.93	18.51	1.78	17.66	0	30.61	2.45
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	1385.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	14.86	2.51	17.71	2.04	9.03	0.25	11.52	1.31
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1385.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	51.43	26.51	11.05	7.97	7.65	10.09	6.84	35.81
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	32.33	22.23	34.88	0	6.88	10.13	15.58	6.15
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000	N/A	0.001530	0.001930
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**	**N/A**	**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	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**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	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124	N/A	0.155	0.161
Technical specification limit	10.0	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**	**0.9**	**3.0**	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**1.2**	**N/A**	**1.5**	**1.6**

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	0.162	0.162	0.162	0.163	0.160	0.161	0.195	0.163	0.160	0.160	0.160	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	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**

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	56.0	39.0	64.0	25.0	56.0	29.0	26.0	59.0
Total opportunities	57.0	40.0	71.0	25.0	59.0	30.0	26.0	63.0
Indicator value	**95.7%**	**96.4%**	**95.5%**	**96.2%**	**95.8%**	**95.8%**	**95.7%**	**95.4%**

Licensee Comments:

3Q/01: Adding license requal opportunities for September 2001. Quarterly data went from 4 to 26 for both opportunities available and performed successfully.

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	48.0	46.0	46.0	46.0	46.0	44.0	43.0	42.0
Total Key personnel	49.0	48.0	46.0	46.0	46.0	44.0	43.0	43.0
Indicator value	**98.0%**	**95.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.7%**

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	77	76	66	77	66	74	63	76
Total sirens-tests	77	77	66	77	66	77	66	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.0%**	**97.9%**	**97.6%**

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	98.10	28.40	25.50	106.30	14.80	28.10	50.80	133.00
CCTV compensatory hours	3.4	35.8	36.0	26.7	2.6	1.1	3.3	2.8
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.55	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Index Value	**0.012**	**0.013**	**0.010**	**0.014**	**0.011**	**0.009**	**0.009**	**0.009**

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

Wolf Creek 1

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	1.0	0	0	0	0	0	0
Critical hours	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2
Indicator value	**1.6**	**1.6**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	33.88	2.60	15.72	2.72	31.00	0.70	42.84	1.12
Unplanned unavailable hours	4.78	0	0	0	14.08	0	0	15.73
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	395.50	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1956.70
Train 2								
Planned unavailable hours	3.64	19.17	0.95	9.27	0.98	18.10	16.03	44.00
Unplanned unavailable hours	20.57	0	7.43	0	0	0	0	0
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	**1.5%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

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	33.36	8.78	8.32	8.13	6.73	0.17	40.81	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	2183.00	2208.00	1421.00	2160.00	2183.00	2208.00	2209.00	1952.90
Train 2								
Planned unavailable hours	18.04	16.23	0.74	5.59	19.73	15.80	6.55	6.57
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	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1956.70
Train 3								
Planned unavailable hours	9.34	11.63	8.30	16.45	0.16	7.07	30.73	0.51
Unplanned unavailable hours	0	0	0	0	0	0	4.00	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	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Train 4								
Planned unavailable hours	5.90	20.86	0	13.74	0	23.58	0.70	6.42
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	3.44	15.48	9.25	5.68	0.10	20.65	31.80	9.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Train 2								
Planned unavailable hours	1.93	18.51	1.78	17.66	0	30.61	2.45	11.30
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Train 3								
Planned unavailable hours	2.51	17.71	2.04	9.03	0.25	11.52	1.31	5.81
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	26.51	11.05	7.97	7.65	10.09	6.84	35.81	9.27
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	2081.40
Train 2								
Planned unavailable hours	22.23	34.88	0	6.88	10.13	15.58	6.15	9.25
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**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	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000	N/A	0.001530	0.001930	0.002240	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.6**	**0.7**	**0.7**	**0.7**	**0.8**	**0.7**	**N/A**	**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	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.098	0.100	0.088	0.095	0.105	0.124	N/A	0.155	0.161	0.162	0.162	0.162
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.0**	**0.9**	**1.0**	**1.1**	**1.2**	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.163	0.160	0.161	0.195	0.163	0.160	0.160	0.160	0.160	0.170	0.160	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	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**

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	39.0	64.0	25.0	55.0	29.0	26.0	59.0	6.0
Total opportunities	40.0	71.0	25.0	59.0	30.0	26.0	63.0	6.0
Indicator value	**96.4%**	**95.5%**	**96.2%**	**95.6%**	**95.5%**	**95.4%**	**95.1%**	**94.7%**

Licensee Comments:

1Q/01: Number of opportunities performed timely and accurately for Q12001 revised from 56 to 55 based on review and interpretation of FAQ 242. No impact on PI color.

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	46.0	46.0	46.0	46.0	44.0	43.0	42.0	46.0
Total Key personnel	48.0	46.0	46.0	46.0	44.0	43.0	43.0	46.0
Indicator value	**95.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.7%**	**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	76	66	77	66	74	63	76	76
Total sirens-tests	77	66	77	66	77	66	77	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.0%**	**97.9%**	**97.6%**	**97.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**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	28.40	25.50	106.30	14.80	28.10	50.80	133.00	88.50
CCTV compensatory hours	35.8	36.0	26.7	2.6	1.1	3.3	2.8	0.5
IDS normalization factor	1.50	1.50	1.50	1.50	1.55	1.55	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
Index Value	**0.013**	**0.010**	**0.014**	**0.011**	**0.009**	**0.009**	**0.009**	**0.011**

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

Wolf Creek 1

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	1.0	0	0	0	0	0	0	1.0
Critical hours	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1
Indicator value	**1.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	2.60	15.72	2.72	31.00	0.70	42.84	1.12	35.53
Unplanned unavailable hours	0	0	0	14.08	0	0	15.73	5.68
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	1956.70	1863.00
Train 2								
Planned unavailable hours	19.17	0.95	9.27	0.98	18.10	16.03	44.00	0.70
Unplanned unavailable hours	0	7.43	0	0	0	0	0	0
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	1841.40
Indicator value	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	8.78	8.32	8.13	6.73	0.17	40.81	7.60	11.67
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	2208.00	1421.00	2160.00	2183.00	2208.00	2209.00	1952.90	1512.60
Train 2								
Planned unavailable hours	16.23	0.74	5.59	19.73	15.80	6.55	6.57	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	1385.00	2160.00	2183.00	2208.00	2209.00	1956.70	1499.90
Train 3								
Planned unavailable hours	11.63	8.30	16.45	0.16	7.07	30.73	0.51	9.71
Unplanned unavailable hours	0	0	0	0	0	4.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10
Train 4								
Planned unavailable hours	20.86	0	13.74	0	23.58	0.70	6.42	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	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**

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	15.48	9.25	5.68	0.10	20.65	31.80	9.55	10.08
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	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10
Train 2								
Planned unavailable hours	18.51	1.78	17.66	0	30.61	2.45	11.30	1.42
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10
Train 3								

Planned unavailable hours	17.71	2.04	9.03	0.25	11.52	1.31	5.81	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10
Indicator value	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	11.05	7.97	7.65	10.09	6.84	35.81	9.27	8.91
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2081.40	1925.90
Train 2								
Planned unavailable hours	34.88	0	6.88	10.13	15.58	6.15	9.25	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	1734.70
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.8%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.007080	0.007590	0.007000	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.7**	**0.8**	**0.7**	**N/A**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**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	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000	N/A	0.000700	0.001100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.095	0.105	0.124	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.1**	**1.2**	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.195	0.163	0.160	0.160	0.160	0.160	0.170	0.160	0.160	0.650	0.620	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	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**

Licensee Comments: none

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	64.0	25.0	55.0	29.0	26.0	59.0	6.0	32.0
Total opportunities	71.0	25.0	59.0	30.0	26.0	63.0	6.0	36.0
Indicator value	**95.5%**	**96.2%**	**95.6%**	**95.5%**	**95.4%**	**95.1%**	**94.7%**	**93.7%**

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	46.0	46.0	44.0	43.0	42.0	46.0	46.0
Total Key personnel	46.0	46.0	46.0	44.0	43.0	43.0	46.0	46.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	66	77	66	74	63	76	76	75
Total sirens-tests	66	77	66	77	66	77	77	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.0%**	**97.9%**	**97.6%**	**97.3%**	**97.6%**

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

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	25.50	106.30	14.80	28.10	50.80	133.00	88.50	23.60
CCTV compensatory hours	36.0	26.7	2.6	1.1	3.3	2.8	0.5	2.3
IDS normalization factor	1.50	1.50	1.50	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.010**	**0.014**	**0.011**	**0.009**	**0.009**	**0.009**	**0.011**	**0.011**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 31, 2002

Wolf Creek 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	15.72	2.72	31.00	0.70	42.84	1.12	35.53	20.48
Unplanned unavailable hours	0	0	14.08	0	0	15.73	5.68	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	1956.70	1863.00	2208.00
Train 2								
Planned unavailable hours	0.95	9.27	0.98	18.10	16.03	44.00	0.70	21.11
Unplanned unavailable hours	7.43	0	0	0	0	0	0	0
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	1841.40	2208.00
Indicator value	**1.4%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	8.32	8.13	6.73	0.17	40.81	7.60	11.67	2.04
Unplanned unavailable hours	0	0	0	0	0	0	0	4.28
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1421.00	2160.00	2183.00	2208.00	2209.00	1952.90	1512.60	2208.00
Train 2								
Planned unavailable hours	0.74	5.59	19.73	15.80	6.55	6.57	10.17	8.76
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1956.70	1499.90	2208.00
Train 3								
Planned unavailable hours	8.30	16.45	0.16	7.07	30.73	0.51	9.71	5.53
Unplanned unavailable hours	0	0	0	0	4.00	0	0	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00
Train 4								
Planned unavailable hours	0	13.74	0	23.58	0.70	6.42	2.34	14.01
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

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	9.25	5.68	0.10	20.65	31.80	9.55	10.08	1.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00
Train 2								
Planned unavailable hours	1.78	17.66	0	30.61	2.45	11.30	1.42	13.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00
Train 3								
Planned unavailable hours	2.04	9.03	0.25	11.52	1.31	5.81	0.10	4.38
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00
Indicator value	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**0.6%**

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	7.97	7.65	10.09	6.84	35.81	9.27	8.91	0.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2081.40	1925.90	2208.00
Train 2								
Planned unavailable hours	0	6.88	10.13	15.58	6.15	9.25	2.40	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	1734.70	2208.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.8%**	**0.8%**

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	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	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**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	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000	N/A	0.000700	0.001100	0.003000	0.001000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.2**

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	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161	0.195	0.163	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	**N/A**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**

Reactor Coolant System Leakage	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum leakage	0.160	0.160	0.160	0.170	0.160	0.160	0.650	0.620	0.110	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	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**

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	25.0	55.0	29.0	26.0	59.0	6.0	32.0	44.0
Total opportunities	25.0	59.0	30.0	26.0	63.0	6.0	36.0	48.0
Indicator value	**96.2%**	**95.6%**	**95.5%**	**95.4%**	**95.1%**	**94.7%**	**93.7%**	**94.2%**

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	46.0	46.0	44.0	43.0	42.0	46.0	46.0	44.0
Total Key personnel	46.0	46.0	44.0	43.0	43.0	46.0	46.0	44.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	77	66	74	63	76	76	75	65
Total sirens-tests	77	66	77	66	77	77	77	66
Indicator value	**99.7%**	**99.7%**	**99.0%**	**97.9%**	**97.6%**	**97.3%**	**97.6%**	**98.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	106.30	14.80	28.10	50.80	133.00	88.50	23.60	6.30
CCTV compensatory hours	26.7	2.6	1.1	3.3	2.8	0.5	2.3	6.9
IDS normalization factor	1.50	1.50	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.014**	**0.011**	**0.009**	**0.009**	**0.009**	**0.011**	**0.011**	**0.010**

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

Wolf Creek 1

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	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	2.72	31.00	0.70	42.84	1.12	35.53	20.48	24.28
Unplanned unavailable hours	0	14.08	0	0	15.73	5.68	0.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1956.70	1863.00	2208.00	2209.00
Train 2								
Planned unavailable hours	9.27	0.98	18.10	16.03	44.00	0.70	21.11	1.12
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	2160.00	2183.00	2208.00	2209.00	2160.00	1841.40	2208.00	2209.00
Indicator value	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	8.13	6.73	0.17	40.81	7.60	11.67	2.04	19.78
Unplanned unavailable hours	0	0	0	0	0	0	4.28	0
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	1952.90	1512.60	2208.00	2209.00
Train 2								
Planned unavailable hours	5.59	19.73	15.80	6.55	6.57	10.17	8.76	7.89
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1956.70	1499.90	2208.00	2209.00
Train 3								
Planned unavailable hours	16.45	0.16	7.07	30.73	0.51	9.71	5.53	15.62
Unplanned unavailable hours	0	0	0	4.00	0	0	0.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00
Train 4								
Planned unavailable hours	13.74	0	23.58	0.70	6.42	2.34	14.01	0.47
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	5.68	0.10	20.65	31.80	9.55	10.08	1.65	15.40
Unplanned unavailable hours	0	0	0	0	0	0	0.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00
Train 2								
Planned unavailable hours	17.66	0	30.61	2.45	11.30	1.42	13.98	1.69
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00
Train 3								
Planned unavailable hours	9.03	0.25	11.52	1.31	5.81	0.10	4.38	15.67
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	2160.00	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

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	7.65	10.09	6.84	35.81	9.27	8.91	0.40	20.00
Unplanned unavailable hours	0	0	0	0	0	0	0.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2081.40	1925.90	2208.00	2209.00
Train 2								
Planned unavailable hours	6.88	10.13	15.58	6.15	9.25	2.40	8.18	7.69
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	2160.00	2183.00	2208.00	2209.00	2160.00	1734.70	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.8%**	**0.8%**	**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	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**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	0.003000	0.003000	0.004000	N/A	0.000700	0.001100	0.003000	0.001000	0.002000	0.001000	0.001000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.2**	**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	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	0.162	0.162	0.162	0.163	0.160	0.161	0.195	0.163	0.160	0.160	0.160	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	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**

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	0.170	0.160	0.160	0.650	0.620	0.110	0.040	0.020	0.020	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	55.0	29.0	26.0	59.0	6.0	32.0	43.0	32.0
Total opportunities	59.0	30.0	26.0	63.0	6.0	36.0	47.0	34.0
Indicator value	**95.6%**	**95.5%**	**95.4%**	**95.1%**	**94.7%**	**93.7%**	**94.2%**	**93.7%**

Licensee Comments:

3Q/02: Number of opportunities performed timely and accurately for 3Q2002 revised from 44 to 43 and number of opportunities for 3Q2002 revised from 48 to 47 based on subsequent review and guidance. No impact on PI color.

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	44.0	43.0	42.0	46.0	46.0	44.0	46.0
Total Key personnel	46.0	44.0	43.0	43.0	46.0	46.0	44.0	46.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**97.7%**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	66	74	63	76	76	75	65	76
Total sirens-tests	66	77	66	77	77	77	66	77
Indicator value	**99.7%**	**99.0%**	**97.9%**	**97.6%**	**97.3%**	**97.6%**	**98.3%**	**98.3%**

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	14.80	28.10	50.80	133.00	88.50	23.60	6.30	16.70
CCTV compensatory hours	2.6	1.1	3.3	2.8	0.5	2.3	6.9	3.5
IDS normalization factor	1.50	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.011**	**0.009**	**0.009**	**0.009**	**0.011**	**0.011**	**0.010**	**0.006**

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

Wolf Creek 1

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	1.0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4
Indicator value	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	31.00	0.70	42.84	1.12	35.53	20.48	24.28	0.78
Unplanned unavailable hours	14.08	0	0	15.73	5.68	0.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1956.70	1863.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.98	18.10	16.03	44.00	0.70	21.11	1.12	26.63
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1841.40	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	6.73	0.17	40.81	7.60	11.67	2.04	19.78	0.50
Unplanned unavailable hours	0	0	0	0	0	4.28	0	0
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	1952.90	1512.60	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	19.73	15.80	6.55	6.57	10.17	8.76	7.89	21.09
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1956.70	1499.90	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	0.16	7.07	30.73	0.51	9.71	5.53	15.62	16.92
Unplanned unavailable hours	0	0	4.00	0	0	0.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	0	23.58	0.70	6.42	2.34	14.01	0.47	25.16
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	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.5%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	0.10	20.65	31.80	9.55	10.08	1.65	15.40	1.53
Unplanned unavailable hours	0	0	0	0	0	0.08	0	0.15
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	30.61	2.45	11.30	1.42	13.98	1.69	31.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00
Train 3								

Planned unavailable hours	0.25	11.52	1.31	5.81	0.10	4.38	15.67	14.84
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	2183.00	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**0.6%**	**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	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	10.09	6.84	35.81	9.27	8.91	0.40	20.00	0.30
Unplanned unavailable hours	0	0	0	0	0	0.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2081.40	1925.90	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.13	15.58	6.15	9.25	2.40	8.18	7.69	20.91
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1734.70	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**

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

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	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**

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	N/A	0.000700	0.001100	0.003000	0.001000	0.001000	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments:

9/02: September 2002 maximum calculated RCS activity data changed from 0.002 to 0.001.

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	0.163	0.160	0.161	0.195	0.163	0.160	0.160	0.160	0.160	0.170	0.160	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	**1.6**	**1.6**	**1.6**	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**

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	0.650	0.620	0.110	0.040	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	29.0	26.0	59.0	6.0	32.0	43.0	32.0	73.0
Total opportunities	30.0	26.0	63.0	6.0	36.0	47.0	34.0	76.0
Indicator value	**95.5%**	**95.4%**	**95.1%**	**94.7%**	**93.7%**	**94.2%**	**93.7%**	**94.3%**

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	44.0	43.0	42.0	46.0	46.0	44.0	46.0	54.0
Total Key personnel	44.0	43.0	43.0	46.0	46.0	44.0	46.0	54.0
Indicator value	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	74	63	76	76	75	65	76	76
Total sirens-tests	77	66	77	77	77	66	77	77
Indicator value	**99.0%**	**97.9%**	**97.6%**	**97.3%**	**97.6%**	**98.3%**	**98.3%**	**98.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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	28.10	50.80	133.00	88.50	23.60	6.30	16.70	6.40
CCTV compensatory hours	1.1	3.3	2.8	0.5	2.3	6.9	3.5	4.7
IDS normalization factor	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.009**	**0.009**	**0.009**	**0.011**	**0.011**	**0.010**	**0.006**	**0.003**

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

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Wolf Creek 1

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	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

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	0	0
Critical hours	2208.0	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.70	42.84	1.12	35.53	20.48	24.28	0.78	19.36
Unplanned unavailable hours	0	0	15.73	5.68	0.08	0	0	16.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1956.70	1863.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	18.10	16.03	44.00	0.70	21.11	1.12	26.63	6.65
Unplanned unavailable hours	0	0	0	0	0	0	0	48.10
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	1841.40	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.17	40.81	7.60	11.67	2.04	19.78	0.50	16.77
Unplanned unavailable hours	0	0	0	0	4.28	0	0	0
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	1952.90	1512.60	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	15.80	6.55	6.57	10.17	8.76	7.89	21.09	11.08
Unplanned unavailable hours	0	0	0	0	0	0	0	47.55
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	1956.70	1499.90	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	7.07	30.73	0.51	9.71	5.53	15.62	16.92	9.20
Unplanned unavailable hours	0	4.00	0	0	0.08	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	23.58	0.70	6.42	2.34	14.01	0.47	25.16	0.31
Unplanned unavailable hours	0	0	0	0	0	0	0	47.55
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.5%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	20.65	31.80	9.55	10.08	1.65	15.40	1.53	20.10
Unplanned unavailable hours	0	0	0	0	0.08	0	0.15	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	30.61	2.45	11.30	1.42	13.98	1.69	31.22	1.01
Unplanned unavailable hours	0	0	0	0	0	0	0	47.55
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00
Train 3								

Planned unavailable hours	11.52	1.31	5.81	0.10	4.38	15.67	14.84	1.23
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	6.84	35.81	9.27	8.91	0.40	20.00	0.30	13.13
Unplanned unavailable hours	0	0	0	0	0.08	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2081.40	1925.90	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	15.58	6.15	9.25	2.40	8.18	7.69	20.91	6.59
Unplanned unavailable hours	0	0	0	0	0	0	0	47.55

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	1734.70	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.7%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000	N/A	0.000700	0.001100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.003000	0.001000	0.001000	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.195	0.163	0.160	0.160	0.160	0.160	0.170	0.160	0.160	0.650	0.620	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	**1.9**	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**

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	0.040	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

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	26.0	59.0	6.0	32.0	43.0	32.0	73.0	47.0
Total opportunities	26.0	63.0	6.0	36.0	47.0	34.0	76.0	47.0
Indicator value	**95.4%**	**95.1%**	**94.7%**	**93.7%**	**94.2%**	**93.7%**	**94.3%**	**94.9%**

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	43.0	42.0	46.0	46.0	44.0	46.0	54.0	46.0
Total Key personnel	43.0	43.0	46.0	46.0	44.0	46.0	54.0	46.0
Indicator value	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	63	76	76	75	65	76	76	73
Total sirens-tests	66	77	77	77	66	77	77	77
Indicator value	**97.9%**	**97.6%**	**97.3%**	**97.6%**	**98.3%**	**98.3%**	**98.3%**	**97.6%**

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	50.80	133.00	88.50	23.60	6.30	16.70	6.40	4.90
CCTV compensatory hours	3.3	2.8	0.5	2.3	6.9	3.5	4.7	24.4
IDS normalization factor	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.009**	**0.009**	**0.011**	**0.011**	**0.010**	**0.006**	**0.003**	**0.003**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Wolf Creek 1

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	1.0	0	0	1.0	0	1.0
Critical hours	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**1.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	42.84	1.12	35.53	20.48	24.28	0.78	19.36	53.56
Unplanned unavailable hours	0	15.73	5.68	0.08	0	0	16.30	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1956.70	1863.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	16.03	44.00	0.70	21.11	1.12	26.63	6.65	45.98
Unplanned unavailable hours	0	0	0	0	0	0	48.10	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	1841.40	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	40.81	7.60	11.67	2.04	19.78	0.50	16.77	31.85
Unplanned unavailable hours	0	0	0	4.28	0	0	0	0
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	1952.90	1512.60	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.55	6.57	10.17	8.76	7.89	21.09	11.08	5.84
Unplanned unavailable hours	0	0	0	0	0	0	47.55	0
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	1956.70	1499.90	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	30.73	0.51	9.71	5.53	15.62	16.92	9.20	47.95
Unplanned unavailable hours	4.00	0	0	0.08	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.70	6.42	2.34	14.01	0.47	25.16	0.31	22.82
Unplanned unavailable hours	0	0	0	0	0	0	47.55	0
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.5%**	**0.6%**	**0.7%**

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	31.80	9.55	10.08	1.65	15.40	1.53	20.10	47.77
Unplanned unavailable hours	0	0	0	0.08	0	0.15	0	0
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	2.45	11.30	1.42	13.98	1.69	31.22	1.01	4.24
Unplanned unavailable hours	0	0	0	0	0	0	47.55	0
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								

Planned unavailable hours	1.31	5.81	0.10	4.38	15.67	14.84	1.23	16.16
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	2209.00	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	35.81	9.27	8.91	0.40	20.00	0.30	13.13	31.63
Unplanned unavailable hours	0	0	0	0.08	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2081.40	1925.90	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.15	9.25	2.40	8.18	7.69	20.91	6.59	4.24
Unplanned unavailable hours	0	0	0	0	0	0	47.55	0

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	1734.70	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.7%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**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	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000	N/A	0.000700	0.001100	0.003000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.1**

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

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	0.160	0.160	0.160	0.170	0.160	0.160	0.650	0.620	0.110	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	**1.6**	**1.6**	**1.6**	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**

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

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	59.0	6.0	32.0	43.0	32.0	73.0	47.0	155.0
Total opportunities	63.0	6.0	36.0	47.0	34.0	76.0	47.0	160.0
Indicator value	**95.1%**	**94.7%**	**93.7%**	**94.2%**	**93.7%**	**94.3%**	**94.9%**	**95.3%**

Licensee Comments: none

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	42.0	46.0	46.0	44.0	46.0	54.0	46.0	45.0
Total Key personnel	43.0	46.0	46.0	44.0	46.0	54.0	46.0	45.0
Indicator value	**97.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	76	76	75	65	76	76	73	76
Total sirens-tests	77	77	77	66	77	77	77	77
Indicator value	**97.6%**	**97.3%**	**97.6%**	**98.3%**	**98.3%**	**98.3%**	**97.6%**	**97.7%**

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	133.00	88.50	23.60	6.30	16.70	6.40	4.90	35.00
CCTV compensatory hours	2.8	0.5	2.3	6.9	3.5	4.7	24.4	45.9
IDS normalization factor	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.009**	**0.011**	**0.011**	**0.010**	**0.006**	**0.003**	**0.003**	**0.006**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Wolf Creek 1

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	1.0	0	0	1.0	0	1.0	0
Critical hours	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**1.6**	**1.8**

Licensee Comments:

4Q/03: Reduction in critical hours due to refueling outage.

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1946.2	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	1.12	35.53	20.48	24.28	0.78	19.36	53.56	18.62
Unplanned unavailable hours	15.73	5.68	0.08	0	0	16.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1956.70	1863.00	2208.00	2209.00	2160.00	2183.00	2208.00	1794.32
Train 2								
Planned unavailable hours	44.00	0.70	21.11	1.12	26.63	6.65	45.98	0
Unplanned unavailable hours	0	0	0	0	0	48.10	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	1841.40	2208.00	2209.00	2160.00	2183.00	2208.00	1642.96
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	7.60	11.67	2.04	19.78	0.50	16.77	31.85	33.36
Unplanned unavailable hours	0	0	4.28	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1952.90	1512.60	2208.00	2209.00	2160.00	2183.00	2208.00	1189.68
Train 2								
Planned unavailable hours	6.57	10.17	8.76	7.89	21.09	11.08	5.84	5.30
Unplanned unavailable hours	0	0	0	0	0	47.55	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1956.70	1499.90	2208.00	2209.00	2160.00	2183.00	2208.00	1223.61
Train 3								
Planned unavailable hours	0.51	9.71	5.53	15.62	16.92	9.20	47.95	6.64
Unplanned unavailable hours	0	0	0.08	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01
Train 4								
Planned unavailable hours	6.42	2.34	14.01	0.47	25.16	0.31	22.82	0
Unplanned unavailable hours	0	0	0	0	0	47.55	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	9.55	10.08	1.65	15.40	1.53	20.10	47.77	7.76
Unplanned unavailable hours	0	0	0.08	0	0.15	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01
Train 2								
Planned unavailable hours	11.30	1.42	13.98	1.69	31.22	1.01	4.24	0
Unplanned unavailable hours	0	0	0	0	0	47.55	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01
Train 3								

Planned unavailable hours	5.81	0.10	4.38	15.67	14.84	1.23	16.16	0.95
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	1952.90	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	9.27	8.91	0.40	20.00	0.30	13.13	31.63	10.54
Unplanned unavailable hours	0	0	0.08	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2081.40	1925.90	2208.00	2209.00	2160.00	2183.00	2208.00	1790.62
Train 2								
Planned unavailable hours	9.25	2.40	8.18	7.69	20.91	6.59	4.24	4.58
Unplanned unavailable hours	0	0	0	0	0	47.55	0	0

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	1734.70	2208.00	2209.00	2160.00	2183.00	2208.00	1835.85
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**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	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	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**
Maximum activity	0.003000	0.003000	0.004000	N/A	0.000700	0.001100	0.003000	0.001000	0.001000	0.001000	0.001000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

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	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	N/A	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**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	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.170	0.160	0.160	0.650	0.620	0.110	0.040	0.020	0.020	0.020	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.6**	**1.6**	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

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	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.020	0.020	0.190	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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	6.0	32.0	43.0	32.0	73.0	47.0	155.0	0
Total opportunities	6.0	36.0	47.0	34.0	76.0	47.0	160.0	0
Indicator value	**94.7%**	**93.7%**	**94.2%**	**93.7%**	**94.3%**	**94.9%**	**95.3%**	**95.6%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	46.0	46.0	44.0	46.0	54.0	46.0	45.0	44.0
Total Key personnel	46.0	46.0	44.0	46.0	54.0	46.0	45.0	44.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	76	75	65	76	76	73	76	66
Total sirens-tests	77	77	66	77	77	77	77	66
Indicator value	**97.3%**	**97.6%**	**98.3%**	**98.3%**	**98.3%**	**97.6%**	**97.7%**	**98.0%**

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	1
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	88.50	23.60	6.30	16.70	6.40	4.90	35.00	26.00
CCTV compensatory hours	0.5	2.3	6.9	3.5	4.7	24.4	45.9	3.0
IDS normalization factor	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.011**	**0.011**	**0.010**	**0.006**	**0.003**	**0.003**	**0.006**	**0.006**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Wolf Creek 1

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	1.0	0	0	1.0	0	1.0	0	1.0
Critical hours	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7
Indicator value	**0.9**	**0.9**	**0.9**	**1.8**	**0.8**	**1.6**	**1.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1408.1	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	35.53	20.48	24.28	0.78	19.36	53.56	18.62	7.29
Unplanned unavailable hours	5.68	0.08	0	0	16.30	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1863.00	2208.00	2209.00	2160.00	2183.00	2208.00	1794.32	2184.00
Train 2								
Planned unavailable hours	0.70	21.11	1.12	26.63	6.65	45.98	0	26.77
Unplanned unavailable hours	0	0	0	0	48.10	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	1841.40	2208.00	2209.00	2160.00	2183.00	2208.00	1642.96	2184.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	11.67	2.04	19.78	0.50	16.77	31.85	33.36	0.41
Unplanned unavailable hours	0	4.28	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1512.60	2208.00	2209.00	2160.00	2183.00	2208.00	1189.68	2184.00
Train 2								
Planned unavailable hours	10.17	8.76	7.89	21.09	11.08	5.84	5.30	7.69
Unplanned unavailable hours	0	0	0	0	47.55	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1499.90	2208.00	2209.00	2160.00	2183.00	2208.00	1223.61	2184.00
Train 3								
Planned unavailable hours	9.71	5.53	15.62	16.92	9.20	47.95	6.64	0.33
Unplanned unavailable hours	0	0.08	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00
Train 4								
Planned unavailable hours	2.34	14.01	0.47	25.16	0.31	22.82	0	7.49
Unplanned unavailable hours	0	0	0	0	47.55	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	10.08	1.65	15.40	1.53	20.10	47.77	7.76	11.48
Unplanned unavailable hours	0	0.08	0	0.15	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00
Train 2								
Planned unavailable hours	1.42	13.98	1.69	31.22	1.01	4.24	0	18.67
Unplanned unavailable hours	0	0	0	0	47.55	0	0	32.57
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00
Train 3								
Planned unavailable hours	0.10	4.38	15.67	14.84	1.23	16.16	0.95	7.85
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1491.10	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**

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	8.91	0.40	20.00	0.30	13.13	31.63	10.54	3.45
Unplanned unavailable hours	0	0.08	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1925.90	2208.00	2209.00	2160.00	2183.00	2208.00	1790.62	2184.00
Train 2								
Planned unavailable hours	2.40	8.18	7.69	20.91	6.59	4.24	4.58	7.49
Unplanned unavailable hours	0	0	0	0	47.55	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1734.70	2208.00	2209.00	2160.00	2183.00	2208.00	1835.85	2184.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**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	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	N/A	0.000700	0.001100	0.003000	0.001000	0.001000	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0.1**	**0.1**	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	N/A	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**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	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	0.650	0.620	0.110	0.040	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**6.5**	**6.2**	**1.1**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.030	0.030	0.030	0.030	0.040	0.020	0.020	0.190	0.120	0.100	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	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**

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	32.0	43.0	32.0	73.0	47.0	155.0	0	33.0
Total opportunities	36.0	47.0	34.0	76.0	47.0	160.0	0	36.0
Indicator value	**93.7%**	**94.2%**	**93.7%**	**94.3%**	**94.9%**	**95.3%**	**95.6%**	**95.2%**

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	46.0	44.0	46.0	54.0	46.0	45.0	44.0	45.0
Total Key personnel	46.0	44.0	46.0	54.0	46.0	45.0	44.0	45.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	75	65	76	76	73	76	66	75
Total sirens-tests	77	66	77	77	77	77	66	77
Indicator value	**97.6%**	**98.3%**	**98.3%**	**98.3%**	**97.6%**	**97.7%**	**98.0%**	**97.6%**

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	1	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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	23.60	6.30	16.70	6.40	4.90	35.00	26.00	84.40
CCTV compensatory hours	2.3	6.9	3.5	4.7	24.4	45.9	3.0	2.7
IDS normalization factor	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	**0.011**	**0.010**	**0.006**	**0.003**	**0.003**	**0.006**	**0.006**	**0.009**

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

Wolf Creek 1

2Q/2004 Performance Indicators

Licensee's General Comments: Number of opportunities performed timely and accurately for 2Q2003 revised from 47 to 46 and the number of opportunities performed timely and accurately for 3Q2003 revised from 155 to 153 based on subsequent review and guidance. No impact on PI color

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	1.0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0
Indicator value	**0.9**	**0.9**	**1.8**	**0.8**	**1.6**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	20.48	24.28	0.78	19.36	53.56	18.62	7.29	21.35
Unplanned unavailable hours	0.08	0	0	16.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	1794.32	2184.00	2183.00
Train 2								
Planned unavailable hours	21.11	1.12	26.63	6.65	45.98	0	26.77	0.34
Unplanned unavailable hours	0	0	0	48.10	0	0	0	0.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	1642.96	2184.00	2183.00
Indicator value	**1.1%**	**1.0%**	**0.9%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	2.04	19.78	0.50	16.77	31.85	33.36	0.41	15.95
Unplanned unavailable hours	4.28	0	0	0	0	0	0	0
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	1189.68	2184.00	2183.00
Train 2								
Planned unavailable hours	8.76	7.89	21.09	11.08	5.84	5.30	7.69	20.63
Unplanned unavailable hours	0	0	0	47.55	0	0	0	0
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	1223.61	2184.00	2183.00
Train 3								
Planned unavailable hours	5.53	15.62	16.92	9.20	47.95	6.64	0.33	26.28
Unplanned unavailable hours	0.08	0	0	0	0	0	0	0
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	1185.01	2184.00	2183.00
Train 4								
Planned unavailable hours	14.01	0.47	25.16	0.31	22.82	0	7.49	0.51
Unplanned unavailable hours	0	0	0	47.55	0	0	0	0
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	1185.01	2184.00	2183.00
Indicator value	**0.8%**	**0.7%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

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	1.65	15.40	1.53	20.10	47.77	7.76	11.48	10.54
Unplanned unavailable hours	0.08	0	0.15	0	0	0	0	0
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	1185.01	2184.00	2183.00
Train 2								
Planned unavailable hours	13.98	1.69	31.22	1.01	4.24	0	18.67	5.19
Unplanned unavailable hours	0	0	0	47.55	0	0	32.57	0
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	1185.01	2184.00	2183.00
Train 3								
Planned unavailable hours	4.38	15.67	14.84	1.23	16.16	0.95	7.85	3.07
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	2208.00	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.40	20.00	0.30	13.13	31.63	10.54	3.45	22.64
Unplanned unavailable hours	0.08	0	0	0	0	0	0	0
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	1790.62	2184.00	2183.00
Train 2								
Planned unavailable hours	8.18	7.69	20.91	6.59	4.24	4.58	7.49	6.43
Unplanned unavailable hours	0	0	0	47.55	0	0	0	0
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	1835.85	2184.00	2183.00
Indicator value	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.003000	0.001000	0.001000	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.002000	0.002000	0.002000	0.002000	N/A	0.001000	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**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	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.040	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.030	0.040	0.020	0.020	0.190	0.120	0.100	0.110	0.110	0.110	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**

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	43.0	32.0	73.0	46.0	153.0	0	33.0	35.0
Total opportunities	47.0	34.0	76.0	47.0	160.0	0	36.0	36.0
Indicator value	**94.2%**	**93.7%**	**94.3%**	**94.6%**	**94.7%**	**94.8%**	**94.5%**	**95.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	44.0	46.0	54.0	46.0	45.0	44.0	45.0	46.0
Total Key personnel	44.0	46.0	54.0	46.0	45.0	44.0	45.0	46.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	65	76	76	73	76	66	75	66
Total sirens-tests	66	77	77	77	77	66	77	66
Indicator value	**98.3%**	**98.3%**	**98.3%**	**97.6%**	**97.7%**	**98.0%**	**97.6%**	**99.0%**

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	1	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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.

Wolf Creek 1

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	0	1.0	0	1.0	0	1.0	0	1.0
Critical hours	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4
Indicator value	**0.9**	**1.8**	**0.8**	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	24.28	0.78	19.36	53.56	18.62	7.29	21.35	2.25
Unplanned unavailable hours	0	0	16.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	1794.32	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.12	26.63	6.65	45.98	0	26.77	0.34	61.58
Unplanned unavailable hours	0	0	48.10	0	0	0	0.60	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	2209.00	2160.00	2183.00	2208.00	1642.96	2184.00	2183.00	2208.00
Indicator value	**1.0%**	**0.9%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	19.78	0.50	16.77	31.85	33.36	0.41	15.95	1.56
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	1189.68	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.89	21.09	11.08	5.84	5.30	7.69	20.63	12.73
Unplanned unavailable hours	0	0	47.55	0	0	0	0	0
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	1223.61	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	15.62	16.92	9.20	47.95	6.64	0.33	26.28	12.07
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	2209.00	2160.00	2183.00	2208.00	1185.01	2184.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.47	25.16	0.31	22.82	0	7.49	0.51	25.03
Unplanned unavailable hours	0	0	47.55	0	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

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	15.40	1.53	20.10	47.77	7.76	11.48	10.54	12.19
Unplanned unavailable hours	0	0.15	0	0	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.69	31.22	1.01	4.24	0	18.67	5.19	40.92
Unplanned unavailable hours	0	0	47.55	0	0	32.57	0	0
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	1185.01	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	15.67	14.84	1.23	16.16	1.72	7.85	3.07	6.70
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	1185.01	2184.00	2183.00	2208.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

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	20.00	0.30	13.13	31.63	10.54	3.45	22.64	1.19
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	2209.00	2160.00	2183.00	2208.00	1790.62	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.69	20.91	6.59	4.24	4.58	7.49	6.43	12.50
Unplanned unavailable hours	0	0	47.55	0	0	0	0	0
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	1835.85	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**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	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

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	0.002000	N/A	0.001000	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**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	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum leakage	0.020	0.020	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**
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	0.020	0.190	0.120	0.100	0.110	0.110	0.110	0.090	0.100	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	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**

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	32.0	73.0	46.0	153.0	0	33.0	35.0	28.0
Total opportunities	34.0	76.0	47.0	160.0	0	36.0	36.0	28.0
Indicator value	**93.7%**	**94.3%**	**94.6%**	**94.7%**	**94.8%**	**94.5%**	**95.2%**	**95.9%**

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	46.0	54.0	46.0	45.0	44.0	45.0	46.0	46.0
Total Key personnel	46.0	54.0	46.0	45.0	44.0	45.0	46.0	46.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	76	76	73	76	66	75	66	77
Total sirens-tests	77	77	77	77	66	77	66	77
Indicator value	**98.3%**	**98.3%**	**97.6%**	**97.7%**	**98.0%**	**97.6%**	**99.0%**	**99.3%**

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	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

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	0	1.0	0	1.0	0	1.0	1.0
Critical hours	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9
Indicator value	**1.8**	**0.8**	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**	**2.4**

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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2140.4	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.78	19.36	53.56	18.62	7.29	21.35	2.25	33.77
Unplanned unavailable hours	0	16.30	0	0	0	0	0	6.53
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1794.32	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	26.63	6.65	45.98	0	26.77	0.34	61.58	0.35
Unplanned unavailable hours	0	48.10	0	0	0	0.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1642.96	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.50	16.77	31.85	33.36	0.41	15.95	1.56	73.09
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1189.68	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	21.09	11.08	5.84	5.30	7.69	20.63	12.73	37.05
Unplanned unavailable hours	0	47.55	0	0	0	0	0	0
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	1223.61	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	16.92	9.20	47.95	6.64	0.33	26.28	12.07	41.85
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1185.01	2184.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	25.16	0.31	22.82	0	7.49	0.51	25.03	4.35
Unplanned unavailable hours	0	47.55	0	0	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments: none

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	1.53	20.10	47.77	7.76	11.48	10.54	12.19	43.00
Unplanned unavailable hours	0.15	0	0	0	0	0	0	4.42
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	1185.01	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	31.22	1.01	4.24	0	18.67	5.19	40.92	3.87
Unplanned unavailable hours	0	47.55	0	0	32.57	0	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	14.84	1.23	16.16	1.72	7.85	3.07	6.70	1.52
Unplanned unavailable hours	0	0	0	0	0	0	0	12.77
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	1185.01	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.30	13.13	31.63	10.54	3.45	22.64	1.19	66.93
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1790.62	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	20.91	6.59	4.24	4.58	7.49	6.43	12.50	23.60
Unplanned unavailable hours	0	47.55	0	0	0	0	0	0
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	1835.85	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	N/A	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**N/A**	**0.1**

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	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.2**	**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	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.020	0.020	0.190	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	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**
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	0.100	0.110	0.110	0.110	0.090	0.100	0.110	0.110	0.100	0.090	0.100	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**

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	73.0	46.0	153.0	0	33.0	35.0	28.0	48.0
Total opportunities	76.0	47.0	160.0	0	36.0	36.0	28.0	49.0
Indicator value	**94.3%**	**94.6%**	**94.7%**	**94.8%**	**94.5%**	**95.2%**	**95.9%**	**96.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	54.0	46.0	45.0	44.0	45.0	46.0	46.0	46.0
Total Key personnel	54.0	46.0	45.0	44.0	45.0	46.0	46.0	46.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	76	73	76	66	75	66	77	66
Total sirens-tests	77	77	77	66	77	66	77	66
Indicator value	**98.3%**	**97.6%**	**97.7%**	**98.0%**	**97.6%**	**99.0%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	1.0	0	1.0	0	1.0	1.0	0
Critical hours	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3
Indicator value	**0.8**	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**	**2.4**	**1.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	19.36	53.56	18.62	7.29	21.35	2.25	33.77	83.58
Unplanned unavailable hours	16.30	0	0	0	0	0	6.53	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1794.32	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.65	45.98	0	26.77	0.34	61.58	0.35	30.89
Unplanned unavailable hours	48.10	0	0	0	0.60	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	2183.00	2208.00	1642.96	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	16.77	31.85	33.36	0.41	15.95	1.56	73.09	32.21
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	2183.00	2208.00	1189.68	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	11.08	5.84	5.30	7.69	20.63	12.73	37.05	20.38
Unplanned unavailable hours	47.55	0	0	0	0	0	0	0
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	1223.61	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	9.20	47.95	6.64	0.33	26.28	12.07	41.85	31.53
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	0.31	22.82	0	7.49	0.51	25.03	4.35	20.13
Unplanned unavailable hours	47.55	0	0	0	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**

Licensee Comments: none

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	20.10	47.77	7.76	11.48	10.54	12.19	43.00	41.03
Unplanned unavailable hours	0	0	0	0	0	0	4.42	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.01	4.24	0	18.67	5.19	40.92	3.87	28.33
Unplanned unavailable hours	47.55	0	0	32.57	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	1.23	16.16	1.72	7.85	3.07	6.70	1.52	32.72
Unplanned unavailable hours	0	0	0	0	0	0	12.77	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	13.13	31.63	10.54	3.45	22.64	1.19	66.93	69.39
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	2183.00	2208.00	1790.62	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.59	4.24	4.58	7.49	6.43	12.50	23.60	26.48
Unplanned unavailable hours	47.55	0	0	0	0	0	0	0
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	1835.85	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	N/A	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0.030	0.030	0.030	0.030	0.040	0.020	0.020	0.190	0.120	0.100	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	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**
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	0.110	0.090	0.100	0.110	0.110	0.100	0.090	0.100	0.100	0.100	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**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	46.0	153.0	0	33.0	35.0	28.0	48.0	19.0
Total opportunities	47.0	160.0	0	36.0	36.0	28.0	49.0	22.0
Indicator value	**94.6%**	**94.7%**	**94.8%**	**94.5%**	**95.2%**	**95.9%**	**96.3%**	**95.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	46.0	45.0	44.0	45.0	46.0	46.0	46.0	48.0
Total Key personnel	46.0	45.0	44.0	45.0	46.0	46.0	46.0	49.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.0%**

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	73	76	66	75	66	77	66	77
Total sirens-tests	77	77	66	77	66	77	66	77
Indicator value	**97.6%**	**97.7%**	**98.0%**	**97.6%**	**99.0%**	**99.3%**	**99.3%**	**100.0%**

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	1	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

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	1.0	0	1.0	0	1.0	1.0	0	0
Critical hours	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4
Indicator value	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**	**2.4**	**1.6**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2171.9	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	53.56	18.62	7.29	21.35	2.25	33.77	83.58	16.39
Unplanned unavailable hours	0	0	0	0	0	6.53	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1794.32	2184.00	2183.00	2208.00	2209.00	2160.00	1529.73
Train 2								
Planned unavailable hours	45.98	0	26.77	0.34	61.58	0.35	30.89	22.73
Unplanned unavailable hours	0	0	0	0.60	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	2208.00	1642.96	2184.00	2183.00	2208.00	2209.00	2160.00	2160.97
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**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/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	31.85	33.36	0.41	15.95	1.56	73.09	32.21	9.91
Unplanned unavailable hours	0	0	0	0	0	0	0	36.88
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	1189.68	2184.00	2183.00	2208.00	2209.00	2160.00	1312.90
Train 2								
Planned unavailable hours	5.84	5.30	7.69	20.63	12.73	37.05	20.38	0.47
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	2208.00	1223.61	2184.00	2183.00	2208.00	2209.00	2160.00	1385.78
Train 3								
Planned unavailable hours	47.95	6.64	0.33	26.28	12.07	41.85	31.53	17.49
Unplanned unavailable hours	0	0	0	0	0	0	0	36.88
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03
Train 4								
Planned unavailable hours	22.82	0	7.49	0.51	25.03	4.35	20.13	17.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**

Licensee Comments: none

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	47.77	7.76	11.48	10.54	12.19	43.00	41.03	11.98
Unplanned unavailable hours	0	0	0	0	0	4.42	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03
Train 2								
Planned unavailable hours	4.24	0	18.67	5.19	40.92	3.87	28.33	2.40
Unplanned unavailable hours	0	0	32.57	0	0	0	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03
Train 3								
Planned unavailable hours	16.16	1.72	7.85	3.07	6.70	1.52	32.72	1.65
Unplanned unavailable hours	0	0	0	0	0	12.77	0	0
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	31.63	10.54	3.45	22.64	1.19	66.93	69.39	9.20
Unplanned unavailable hours	0	0	0	0	0	0	0	36.88
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	1790.62	2184.00	2183.00	2208.00	2209.00	2160.00	1743.38
Train 2								
Planned unavailable hours	4.24	4.58	7.49	6.43	12.50	23.60	26.48	2.45
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	2208.00	1835.85	2184.00	2183.00	2208.00	2209.00	2160.00	1830.18
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.002000	0.002000	0.002000	0.002000	N/A	0.001000	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**

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	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.030	0.040	0.020	0.020	0.190	0.120	0.100	0.110	0.110	0.110	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.2**	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**

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	0.110	0.110	0.100	0.090	0.100	0.100	0.100	0.110	0.100	0.100	0.180	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**

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	153.0	0	33.0	35.0	28.0	48.0	19.0	15.0
Total opportunities	160.0	0	36.0	36.0	28.0	49.0	22.0	16.0
Indicator value	**94.7%**	**94.8%**	**94.5%**	**95.2%**	**95.9%**	**96.3%**	**95.8%**	**95.4%**

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	45.0	44.0	45.0	46.0	46.0	46.0	48.0	67.0
Total Key personnel	45.0	44.0	45.0	46.0	46.0	46.0	49.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.0%**	**98.5%**

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	76	66	75	66	77	66	77	66
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**97.7%**	**98.0%**	**97.6%**	**99.0%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**

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	1	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

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	1.0	0	1.0	1.0	0	0	0
Critical hours	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0
Indicator value	**1.8**	**1.8**	**1.8**	**1.8**	**2.4**	**1.6**	**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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1145.6	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	18.62	7.29	21.35	2.25	33.77	83.58	16.39	0.35
Unplanned unavailable hours	0	0	0	0	6.53	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	1794.32	2184.00	2183.00	2208.00	2209.00	2160.00	1529.73	2208.00
Train 2								
Planned unavailable hours	0	26.77	0.34	61.58	0.35	30.89	22.73	20.63
Unplanned unavailable hours	0	0	0.60	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	1642.96	2184.00	2183.00	2208.00	2209.00	2160.00	2160.97	2208.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.2%**	**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)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	33.36	0.41	15.95	1.56	73.09	32.21	9.91	0.68
Unplanned unavailable hours	0	0	0	0	0	0	36.88	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1189.68	2184.00	2183.00	2208.00	2209.00	2160.00	1312.90	2208.00
Train 2								
Planned unavailable hours	5.30	7.69	20.63	12.73	37.05	20.38	0.47	16.07
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	1223.61	2184.00	2183.00	2208.00	2209.00	2160.00	1385.78	2208.00
Train 3								
Planned unavailable hours	6.64	0.33	26.28	12.07	41.85	31.53	17.49	10.60
Unplanned unavailable hours	0	0	0	0	0	0	36.88	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00
Train 4								
Planned unavailable hours	0	7.49	0.51	25.03	4.35	20.13	17.48	15.82
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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.0%**

Licensee Comments: none

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	7.76	11.48	10.54	12.19	43.00	41.03	11.98	58.56
Unplanned unavailable hours	0	0	0	0	4.42	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00
Train 2								
Planned unavailable hours	0	18.67	5.19	40.92	3.87	28.33	2.40	36.54
Unplanned unavailable hours	0	32.57	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00
Train 3								
Planned unavailable hours	1.72	7.85	3.07	6.70	1.52	32.72	1.65	13.40
Unplanned unavailable hours	0	0	0	0	12.77	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	1185.01	2184.00	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	10.54	3.45	22.64	1.19	66.93	69.39	9.20	27.12
Unplanned unavailable hours	0	0	0	0	0	0	36.88	1.25
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1790.62	2184.00	2183.00	2208.00	2209.00	2160.00	1743.38	2208.00
Train 2								
Planned unavailable hours	4.58	7.49	6.43	12.50	23.60	26.48	2.45	15.83
Unplanned unavailable hours	0	0	0	0	0	0	0	1.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1835.85	2184.00	2183.00	2208.00	2209.00	2160.00	1830.18	2208.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.002000	N/A	0.001000	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**N/A**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.020	0.190	0.120	0.100	0.110	0.110	0.110	0.090	0.100	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	**0.2**	**1.9**	**1.2**	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**
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	0.090	0.100	0.100	0.100	0.110	0.100	0.100	0.180	0.170	0.180	0.180	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	0	33.0	35.0	28.0	48.0	19.0	15.0	49.0
Total opportunities	0	36.0	36.0	28.0	49.0	22.0	16.0	49.0
Indicator value	**94.8%**	**94.5%**	**95.2%**	**95.9%**	**96.3%**	**95.8%**	**95.4%**	**96.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	44.0	45.0	46.0	46.0	46.0	48.0	69.0	69.0
Total Key personnel	44.0	45.0	46.0	46.0	46.0	49.0	70.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.0%**	**98.6%**	**100.0%**

Licensee Comments:

2Q/05: Number Key personnel changed due to the addition of Key Communicator in 05-Q2 per NEI 99-02 Rev 3. One member assigned to fill two key positions omitted; 05-Q2 data was inaccurate. Corrected values: 69 Key Participating Personnel & 70 Total Key Personnel.

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	66	75	66	77	66	77	66	73
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**98.0%**	**97.6%**	**99.0%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**98.6%**

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	1	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

4Q/2005 Performance Indicators

Licensee's General Comments: Train 1 - 2005-06 During MSPI historical data verification, identified additional planned unavailable hours due to procedure being run outside of a TSEO.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	1.0	0	1.0	1.0	0	0	0	0
Critical hours	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0
Indicator value	**1.8**	**1.8**	**1.8**	**2.4**	**1.6**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2128.7	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	7.29	21.35	2.25	33.77	83.58	24.31	0.35	61.93
Unplanned unavailable hours	0	0	0	6.53	0	0	0	36.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1529.73	2208.00	2209.00
Train 2								
Planned unavailable hours	26.77	0.34	61.58	0.35	30.89	22.73	20.63	21.58
Unplanned unavailable hours	0	0.60	0	0	0	0	0	35.73
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	2160.97	2208.00	2209.00
Indicator value	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.4%**

Licensee Comments:

2Q/05: Train 1 - 2005-06 During MSPI historical data verification, identified additional planned unavailable hours due to procedure being run outside of a TSEO.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0.41	15.95	1.56	73.09	32.21	9.91	0.68	24.28
Unplanned unavailable hours	0	0	0	0	0	36.88	0	0
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	1312.90	2208.00	2209.00
Train 2								
Planned unavailable hours	7.69	20.63	12.73	37.05	20.38	0.47	16.07	13.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1385.78	2208.00	2209.00
Train 3								
Planned unavailable hours	0.33	26.28	12.07	41.85	31.53	17.49	10.60	18.80
Unplanned unavailable hours	0	0	0	0	0	36.88	0	0
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	1309.03	2208.00	2209.00
Train 4								
Planned unavailable hours	7.49	0.51	25.03	4.35	20.13	17.48	15.82	8.76
Unplanned unavailable hours	0	0	0	0	0	0	0	0
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	1309.03	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments: none

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	11.48	10.54	12.19	43.00	41.03	11.98	58.56	19.60
Unplanned unavailable hours	0	0	0	4.42	0	0	0	0
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	1309.03	2208.00	2209.00
Train 2								
Planned unavailable hours	18.67	5.19	40.92	3.87	28.33	2.40	36.54	1.10
Unplanned unavailable hours	32.57	0	0	0	0	0	0	0
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	1309.03	2208.00	2209.00
Train 3								
Planned unavailable hours	7.85	3.07	6.70	1.52	32.72	1.65	13.40	1.49
Unplanned unavailable hours	0	0	0	12.77	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	1309.03	2208.00	2209.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	3.45	22.64	1.19	66.93	69.39	9.20	27.12	37.50
Unplanned unavailable hours	0	0	0	0	0	36.88	1.25	0
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	1743.38	2208.00	2209.00
Train 2								
Planned unavailable hours	7.49	6.43	12.50	23.60	26.48	2.45	15.83	22.42
Unplanned unavailable hours	0	0	0	0	0	0	1.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1830.18	2208.00	2209.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**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	0.001000	0.001000	0.001000	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.100	0.110	0.110	0.110	0.090	0.100	0.110	0.110	0.100	0.090	0.100	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.1**	**1.1**	**1.1**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**
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	0.100	0.110	0.100	0.100	0.180	0.170	0.180	0.180	0.180	0.170	0.200	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**

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	33.0	35.0	28.0	48.0	19.0	15.0	49.0	80.0
Total opportunities	36.0	36.0	28.0	49.0	22.0	16.0	49.0	83.0
Indicator value	**94.5%**	**95.2%**	**95.9%**	**96.3%**	**95.8%**	**95.4%**	**96.2%**	**96.2%**

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	45.0	46.0	46.0	46.0	48.0	69.0	69.0	68.0
Total Key personnel	45.0	46.0	46.0	46.0	49.0	70.0	69.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.0%**	**98.6%**	**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	75	66	77	66	77	66	73	65
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**97.6%**	**99.0%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**98.6%**	**98.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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: February 6, 2006

Wolf Creek 1

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	1.0	1.0	0	0	0	0	0
Critical hours	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0
Indicator value	**1.8**	**1.8**	**2.4**	**1.6**	**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	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	21.35	2.25	33.77	83.58	24.31	0.35	61.93	0.22
Unplanned unavailable hours	0	0	6.53	0	0	0	36.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1529.73	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.34	61.58	0.35	30.89	22.73	20.63	21.58	32.06
Unplanned unavailable hours	0.60	0	0	0	0	0	35.73	0
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	2160.97	2208.00	2209.00	2160.00
Indicator value	**1.1%**	**1.2%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**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)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	15.95	1.56	73.09	32.21	9.91	0.68	18.03	7.22
Unplanned unavailable hours	0	0	0	0	36.88	0	0	0
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	1312.90	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	20.63	12.73	37.05	20.38	0.47	16.07	13.40	78.62
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1385.78	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	26.28	12.07	41.85	31.53	17.49	10.60	12.55	40.97
Unplanned unavailable hours	0	0	0	0	36.88	0	0	0
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	1309.03	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	0.51	25.03	4.35	20.13	17.48	15.82	8.76	78.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**

Licensee Comments: none

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	10.54	12.19	43.00	41.03	11.98	58.56	13.35	35.70
Unplanned unavailable hours	0	0	4.42	0	0	0	0	0
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	1309.03	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	5.19	40.92	3.87	28.33	2.40	36.54	1.10	31.08
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	2183.00	2208.00	2209.00	2160.00	1309.03	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	3.07	6.70	1.52	32.72	1.65	13.40	1.49	12.55
Unplanned unavailable hours	0	0	12.77	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	1309.03	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	22.64	1.19	66.93	69.39	9.20	27.12	31.25	0.85
Unplanned unavailable hours	0	0	0	0	36.88	1.25	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1743.38	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.43	12.50	23.60	26.48	2.45	15.83	22.42	79.20
Unplanned unavailable hours	0	0	0	0	0	1.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1830.18	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	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	**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	0.002000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**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	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**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	0.110	0.090	0.100	0.110	0.110	0.100	0.090	0.100	0.100	0.100	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**	**0.9**	**1.0**	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**
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	0.100	0.180	0.170	0.180	0.180	0.180	0.170	0.200	0.180	0.190	0.200	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	35.0	28.0	48.0	19.0	15.0	49.0	80.0	21.0
Total opportunities	36.0	28.0	49.0	22.0	16.0	49.0	83.0	22.0
Indicator value	**95.2%**	**95.9%**	**96.3%**	**95.8%**	**95.4%**	**96.2%**	**96.2%**	**96.7%**

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	46.0	46.0	46.0	48.0	69.0	69.0	68.0	68.0
Total Key personnel	46.0	46.0	46.0	49.0	70.0	69.0	68.0	70.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.0%**	**98.6%**	**100.0%**	**100.0%**	**97.1%**

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	66	77	66	77	66	73	65	74
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**99.0%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**98.6%**	**98.3%**	**97.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

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	1.0	1.0	0	0	0	0	0	0
Critical hours	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0
Indicator value	**1.8**	**2.4**	**1.6**	**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2178.4	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.00E-06
URI (ΔCDF)								-2.70E-06
PLE								NO
Indicator value								**-1.70E-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)								1.10E-07
URI (ΔCDF)								-8.30E-08
PLE								NO
Indicator value								**2.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								3.40E-08
URI (ΔCDF)								-1.70E-07
PLE								NO
Indicator value								**-1.36E-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)								2.00E-07
URI (ΔCDF)								-2.70E-07
PLE								NO
Indicator value								**-7.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								5.30E-08
URI (ΔCDF)								7.80E-07
PLE								NO
Indicator value								**8.33E-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	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**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	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.110	0.110	0.100	0.090	0.100	0.100	0.100	0.110	0.100	0.100	0.180	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.1**	**1.0**	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**
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	0.180	0.180	0.180	0.170	0.200	0.180	0.190	0.200	0.220	0.180	0.180	0.200
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**

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	28.0	48.0	19.0	15.0	49.0	80.0	20.0	39.0
Total opportunities	28.0	49.0	22.0	16.0	49.0	83.0	22.0	40.0
Indicator value	**95.9%**	**96.3%**	**95.8%**	**95.4%**	**96.2%**	**96.2%**	**96.4%**	**96.4%**

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	46.0	46.0	48.0	69.0	69.0	68.0	68.0	69.0
Total Key personnel	46.0	46.0	49.0	70.0	69.0	68.0	70.0	69.0
Indicator value	**100.0%**	**100.0%**	**98.0%**	**98.6%**	**100.0%**	**100.0%**	**97.1%**	**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	77	66	77	66	73	65	74	63
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**98.6%**	**98.3%**	**97.2%**	**96.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

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	1.0	0	0	0	0	0	0	0
Critical hours	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	**2.4**	**1.6**	**1.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2190.9	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.00E-06	5.50E-07
URI (ΔCDF)							-2.80E-06	-2.90E-06
PLE							NO	NO
Indicator value							**-1.80E-06**	**-2.35E-06**

Licensee Comments:

2Q/06: Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.10E-07	1.00E-07
URI (ΔCDF)							-8.30E-08	-8.30E-08
PLE							NO	NO
Indicator value							**2.70E-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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							3.40E-08	5.70E-08
URI (ΔCDF)							-1.70E-07	-1.70E-07
PLE							NO	NO
Indicator value							**-1.36E-07**	**-1.13E-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)							2.20E-07	2.40E-07
URI (ΔCDF)							-2.70E-07	-2.70E-07
PLE							NO	NO
Indicator value							**-5.00E-08**	**-3.00E-08**

Licensee Comments:

2Q/06: Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

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)							5.30E-08	-1.30E-07
URI (ΔCDF)							7.80E-07	7.70E-07
PLE							NO	NO
Indicator value							**8.33E-07**	**6.40E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**
Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.2**	**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	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	0.090	0.100	0.100	0.100	0.110	0.100	0.100	0.180	0.170	0.180	0.180	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**
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	0.170	0.200	0.180	0.190	0.200	0.220	0.180	0.180	0.200	0.240	0.230	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**

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	48.0	19.0	15.0	49.0	80.0	20.0	39.0	62.0
Total opportunities	49.0	22.0	16.0	49.0	83.0	22.0	40.0	69.0
Indicator value	**96.3%**	**95.8%**	**95.4%**	**96.2%**	**96.2%**	**96.4%**	**96.4%**	**94.9%**

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	46.0	48.0	69.0	69.0	68.0	68.0	69.0	70.0
Total Key personnel	46.0	49.0	70.0	69.0	68.0	70.0	69.0	70.0
Indicator value	**100.0%**	**98.0%**	**98.6%**	**100.0%**	**100.0%**	**97.1%**	**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	66	77	66	73	65	74	63	76
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**99.3%**	**100.0%**	**100.0%**	**98.6%**	**98.3%**	**97.2%**	**96.2%**	**97.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

Wolf Creek 1

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	0	0	0	0	0	0	0	0
Critical hours	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1
Indicator value	**1.6**	**1.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1934.3	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1
Indicator value	**0.8**	**0.9**	**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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						1.00E-06	5.50E-07	6.30E-07
URI (ΔCDF)						-2.80E-06	-2.90E-06	-2.80E-06
PLE						NO	NO	NO
Indicator value						**-1.80E-06**	**-2.35E-06**	**-2.17E-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)						1.10E-07	1.00E-07	1.20E-07
URI (ΔCDF)						-8.30E-08	-8.30E-08	-8.50E-08
PLE						NO	NO	NO
Indicator value						**2.70E-08**	**1.70E-08**	**3.50E-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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						3.40E-08	5.70E-08	5.90E-08
URI (ΔCDF)						-1.70E-07	-1.70E-07	-1.70E-07
PLE						NO	NO	NO
Indicator value						**-1.36E-07**	**-1.13E-07**	**-1.11E-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)						2.20E-07	2.40E-07	2.10E-07
URI (ΔCDF)						-2.70E-07	-2.70E-07	-2.60E-07
PLE						NO	NO	NO
Indicator value						**-5.00E-08**	**-3.00E-08**	**-5.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						5.30E-08	-1.30E-07	-2.30E-08
URI (ΔCDF)						7.80E-07	7.70E-07	-7.50E-07
PLE						NO	NO	NO
Indicator value						**8.33E-07**	**6.40E-07**	**-7.73E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.001000	0.001000	0.001000	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	0.100	0.110	0.100	0.100	0.180	0.170	0.180	0.180	0.180	0.170	0.200	0.180
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.1**	**1.0**	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**
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	0.190	0.200	0.220	0.180	0.180	0.200	0.240	0.230	0.230	0.230	0.170	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	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**

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	19.0	15.0	49.0	79.0	20.0	39.0	62.0	39.0
Total opportunities	22.0	16.0	49.0	83.0	22.0	40.0	69.0	41.0
Indicator value	**95.8%**	**95.4%**	**96.2%**	**95.9%**	**96.1%**	**96.1%**	**94.6%**	**94.2%**

Licensee Comments:

4Q/05: The 2006 NRC EP inspection identified a DEP success for a PAR upgrade that should not be a success. Insuffient documentation is available to verify the method used to make the PAR was correct. CR 2006-3482 was initiated to evaluated the condition.

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	48.0	69.0	69.0	68.0	68.0	69.0	70.0	70.0
Total Key personnel	49.0	70.0	69.0	68.0	70.0	69.0	70.0	70.0
Indicator value	**98.0%**	**98.6%**	**100.0%**	**100.0%**	**97.1%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	77	66	73	65	74	63	76	64
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**100.0%**	**100.0%**	**98.6%**	**98.3%**	**97.2%**	**96.2%**	**97.2%**	**96.9%**

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

Wolf Creek 1

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	0	0	0	0	0
Critical hours	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0
Indicator value	**1.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1239.4	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0
Indicator value	**0.9**	**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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.00E-06	5.50E-07	6.30E-07	6.00E-07
URI (ΔCDF)					-2.80E-06	-2.90E-06	-2.80E-06	-2.60E-06
PLE					NO	NO	NO	NO
Indicator value					**-1.80E-06**	**-2.35E-06**	**-2.17E-06**	**-2.00E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.10E-07	1.00E-07	1.20E-07	1.70E-08
URI (ΔCDF)					-8.30E-08	-8.30E-08	-8.50E-08	-7.90E-08
PLE					NO	NO	NO	NO
Indicator value					**2.70E-08**	**1.70E-08**	**3.50E-08**	**-6.20E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					3.40E-08	5.70E-08	5.90E-08	6.40E-08
URI (ΔCDF)					-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.36E-07**	**-1.13E-07**	**-1.11E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					2.20E-07	2.40E-07	2.10E-07	2.60E-07
URI (ΔCDF)					-2.70E-07	-2.70E-07	-2.60E-07	-2.70E-07
PLE					NO	NO	NO	NO
Indicator value					**-5.00E-08**	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					5.30E-08	-1.30E-07	-2.30E-08	2.10E-07
URI (ΔCDF)					7.80E-07	7.70E-07	-7.50E-07	-7.30E-07
PLE					NO	NO	NO	NO
Indicator value					**8.33E-07**	**6.40E-07**	**-7.73E-07**	**-5.20E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.001000	0.000400	0.000500	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**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	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**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	0.100	0.180	0.170	0.180	0.180	0.180	0.170	0.200	0.180	0.190	0.200	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.8**	**1.7**	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**
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	0.180	0.180	0.200	0.240	0.230	0.230	0.230	0.170	0.100	0.100	0.100	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	15.0	49.0	79.0	20.0	39.0	62.0	39.0	21.0
Total opportunities	16.0	49.0	83.0	22.0	40.0	69.0	41.0	22.0
Indicator value	**95.4%**	**96.2%**	**95.9%**	**96.1%**	**96.1%**	**94.6%**	**94.2%**	**94.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	69.0	69.0	68.0	68.0	69.0	70.0	70.0	69.0
Total Key personnel	70.0	69.0	68.0	70.0	69.0	70.0	70.0	69.0
Indicator value	**98.6%**	**100.0%**	**100.0%**	**97.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	66	73	65	74	63	76	64	74
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**100.0%**	**98.6%**	**98.3%**	**97.2%**	**96.2%**	**97.2%**	**96.9%**	**96.9%**

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

Wolf Creek 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0
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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				1.00E-06	5.50E-07	6.30E-07	6.00E-07	7.70E-07
URI (ΔCDF)				-2.80E-06	-2.90E-06	-2.80E-06	-2.60E-06	-2.40E-06
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.80E-06**	**-2.35E-06**	**-2.17E-06**	**-2.00E-06**	**-1.63E-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)				1.10E-07	1.00E-07	1.20E-07	1.70E-08	1.70E-08
URI (ΔCDF)				-8.30E-08	-8.30E-08	-8.50E-08	-7.90E-08	-8.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**2.70E-08**	**1.70E-08**	**3.50E-08**	**-6.20E-08**	**-6.50E-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	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				3.40E-08	5.70E-08	5.90E-08	6.40E-08	6.10E-08
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				**-1.36E-07**	**-1.13E-07**	**-1.11E-07**	**-1.06E-07**	**-1.09E-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)				2.20E-07	2.40E-07	2.10E-07	2.60E-07	2.70E-07
URI (ΔCDF)				-2.70E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.00E-08**	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**	**1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				5.30E-08	-1.30E-07	-2.30E-08	2.10E-07	3.40E-07
URI (ΔCDF)				7.80E-07	7.70E-07	-7.50E-07	-7.30E-07	-7.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**8.33E-07**	**6.40E-07**	**-7.73E-07**	**-5.20E-07**	**-3.90E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000500	0.000500	0.000400	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**
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	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	0.180	0.180	0.180	0.170	0.200	0.180	0.190	0.200	0.220	0.180	0.180	0.200
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.8**	**1.8**	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**
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	0.240	0.230	0.230	0.230	0.170	0.100	0.100	0.100	0.100	0.100	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	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**

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	49.0	79.0	20.0	39.0	62.0	39.0	21.0	38.0
Total opportunities	49.0	83.0	22.0	40.0	69.0	41.0	22.0	43.0
Indicator value	**96.2%**	**95.9%**	**96.1%**	**96.1%**	**94.6%**	**94.2%**	**94.7%**	**94.0%**

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	69.0	68.0	68.0	69.0	70.0	70.0	69.0	68.0
Total Key personnel	69.0	68.0	70.0	69.0	70.0	70.0	69.0	68.0
Indicator value	**100.0%**	**100.0%**	**97.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	73	65	74	63	76	64	74	66
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**98.6%**	**98.3%**	**97.2%**	**96.2%**	**97.2%**	**96.9%**	**96.9%**	**97.9%**

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

Wolf Creek 1

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	**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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			6.90E-07	3.90E-07	6.80E-07	6.80E-07	9.00E-07	1.60E-06
URI (ΔCDF)			-2.80E-06	-2.90E-06	-2.80E-06	-2.60E-06	-2.40E-06	-2.20E-06
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.11E-06**	**-2.51E-06**	**-2.12E-06**	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**

Licensee Comments:

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). Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

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)			1.10E-07	1.00E-07	1.20E-07	1.70E-08	1.70E-08	1.70E-08
URI (ΔCDF)			-8.30E-08	-8.30E-08	-8.50E-08	-7.90E-08	-8.20E-08	-8.10E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**2.70E-08**	**1.70E-08**	**3.50E-08**	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			3.40E-08	5.70E-08	5.90E-08	6.40E-08	6.10E-08	8.10E-08
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			**-1.36E-07**	**-1.13E-07**	**-1.11E-07**	**-1.06E-07**	**-1.09E-07**	**-8.90E-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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			2.20E-07	2.40E-07	2.10E-07	2.60E-07	2.70E-07	2.60E-07
URI (ΔCDF)			-2.70E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-2.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.00E-08**	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**	**1.00E-08**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			5.30E-08	-1.30E-07	-2.30E-08	2.10E-07	3.40E-07	4.00E-07
URI (ΔCDF)			7.80E-07	7.70E-07	-7.50E-07	-7.30E-07	-7.30E-07	-7.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**8.33E-07**	**6.40E-07**	**-7.73E-07**	**-5.20E-07**	**-3.90E-07**	**-3.30E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000500	0.000400	0.000400	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.170	0.200	0.180	0.190	0.200	0.220	0.180	0.180	0.200	0.240	0.230	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**2.0**	**1.8**	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**
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	0.230	0.170	0.100	0.100	0.100	0.100	0.100	0.110	0.110	0.110	0.120	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**

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	79.0	20.0	39.0	62.0	39.0	21.0	38.0	41.0
Total opportunities	83.0	22.0	40.0	69.0	41.0	22.0	43.0	45.0
Indicator value	**95.9%**	**96.1%**	**96.1%**	**94.6%**	**94.2%**	**94.7%**	**94.0%**	**92.9%**

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	68.0	68.0	69.0	70.0	70.0	69.0	68.0	68.0
Total Key personnel	68.0	70.0	69.0	70.0	70.0	69.0	68.0	68.0
Indicator value	**100.0%**	**97.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	65	74	63	76	64	74	66	76
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**98.3%**	**97.2%**	**96.2%**	**97.2%**	**96.9%**	**96.9%**	**97.9%**	**97.9%**

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

Wolf Creek 1

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	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/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	**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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		6.90E-07	3.90E-07	6.80E-07	6.80E-07	9.00E-07	1.60E-06	1.90E-06
URI (ΔCDF)		-2.80E-06	-2.90E-06	-2.80E-06	-2.60E-06	-2.40E-06	-2.20E-06	-1.90E-06
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.11E-06**	**-2.51E-06**	**-2.12E-06**	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**	**0.00E+00**

Licensee Comments:

4Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		1.10E-07	1.00E-07	1.20E-07	1.70E-08	1.70E-08	1.70E-08	1.50E-08
URI (ΔCDF)		-8.30E-08	-8.30E-08	-8.50E-08	-7.90E-08	-8.20E-08	-8.10E-08	-8.10E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**2.70E-08**	**1.70E-08**	**3.50E-08**	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**	**-6.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		3.40E-08	5.70E-08	5.90E-08	6.40E-08	6.10E-08	8.10E-08	6.60E-08
URI (ΔCDF)		-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.36E-07**	**-1.13E-07**	**-1.11E-07**	**-1.06E-07**	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		2.20E-07	2.40E-07	2.10E-07	2.60E-07	2.70E-07	2.60E-07	3.80E-07
URI (ΔCDF)		-2.70E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.00E-08**	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**	**1.00E-08**	**-1.00E-08**	**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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		5.30E-08	-1.30E-07	-2.30E-08	2.10E-07	3.40E-07	4.00E-07	2.70E-07
URI (ΔCDF)		7.80E-07	7.70E-07	-7.50E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**8.33E-07**	**6.40E-07**	**-7.73E-07**	**-5.20E-07**	**-3.90E-07**	**-3.30E-07**	**-4.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000500	0.000600	0.001600	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.190	0.200	0.220	0.180	0.180	0.200	0.240	0.230	0.230	0.230	0.170	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	**1.9**	**2.0**	**2.2**	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**
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	0.100	0.100	0.100	0.100	0.110	0.110	0.110	0.120	0.100	0.110	0.100	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**	**1.1**	**1.0**	**0.8**

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	20.0	39.0	62.0	39.0	21.0	39.0	41.0	75.0
Total opportunities	22.0	40.0	69.0	39.0	22.0	43.0	45.0	80.0
Indicator value	**96.1%**	**96.1%**	**94.6%**	**94.7%**	**95.3%**	**94.8%**	**93.7%**	**93.3%**

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	68.0	69.0	70.0	70.0	69.0	68.0	68.0	67.0
Total Key personnel	70.0	69.0	70.0	70.0	69.0	68.0	68.0	67.0
Indicator value	**97.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	74	63	76	64	74	66	76	65
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**97.2%**	**96.2%**	**97.2%**	**96.9%**	**96.9%**	**97.9%**	**97.9%**	**98.3%**

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

Wolf Creek 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	6.90E-07	3.90E-07	6.80E-07	6.80E-07	9.00E-07	1.60E-06	1.90E-06	1.40E-06
URI (ΔCDF)	-2.80E-06	-2.90E-06	-2.80E-06	-2.60E-06	-2.40E-06	-2.20E-06	-1.90E-06	-1.50E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.11E-06**	**-2.51E-06**	**-2.12E-06**	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**	**0.00E+00**	**-1.00E-07**

Licensee Comments:

1Q/08: 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	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	1.10E-07	1.00E-07	1.20E-07	1.70E-08	1.70E-08	1.70E-08	1.50E-08	1.50E-08
URI (ΔCDF)	-8.30E-08	-8.30E-08	-8.50E-08	-7.90E-08	-8.20E-08	-8.10E-08	-8.10E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**1.70E-08**	**3.50E-08**	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**	**-6.60E-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/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	3.40E-08	5.70E-08	5.90E-08	6.40E-08	6.10E-08	8.10E-08	6.60E-08	5.40E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-07**	**-1.13E-07**	**-1.11E-07**	**-1.06E-07**	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**	**-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/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.20E-07	2.40E-07	2.10E-07	2.60E-07	2.70E-07	2.60E-07	3.80E-07	3.50E-07
URI (ΔCDF)	-2.70E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-3.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**	**1.00E-08**	**-1.00E-08**	**1.20E-07**	**5.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	5.30E-08	-1.30E-07	-2.30E-08	2.10E-07	3.40E-07	4.00E-07	2.70E-07	1.50E-07
URI (ΔCDF)	7.80E-07	7.70E-07	-7.50E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.33E-07**	**6.40E-07**	**-7.73E-07**	**-5.20E-07**	**-3.90E-07**	**-3.30E-07**	**-4.50E-07**	**-5.90E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000500	0.000800	0.000800	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**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	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.180	0.180	0.200	0.240	0.230	0.230	0.230	0.170	0.100	0.100	0.100	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.8**	**1.8**	**2.0**	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**
Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	0.100	0.110	0.110	0.110	0.120	0.100	0.110	0.100	0.080	0.110	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	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**	**1.1**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	39.0	62.0	39.0	21.0	39.0	41.0	75.0	22.0
Total opportunities	40.0	69.0	39.0	22.0	43.0	45.0	80.0	22.0
Indicator value	**96.1%**	**94.6%**	**94.7%**	**95.3%**	**94.8%**	**93.7%**	**93.3%**	**93.9%**

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	69.0	70.0	70.0	69.0	68.0	68.0	67.0	68.0
Total Key personnel	69.0	70.0	70.0	69.0	68.0	68.0	67.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	63	76	64	74	66	76	65	76
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**96.2%**	**97.2%**	**96.9%**	**96.9%**	**97.9%**	**97.9%**	**98.3%**	**99.0%**

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

Wolf Creek 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	2.0	0
Critical hours	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.7**	**1.9**

Licensee Comments:

1Q/08: Failed to classify the scram correctly during 1Q08. Corrected in 2Q08.

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	1.0	0
Indicator value					**0.0**	**0.0**	**1.0**	**1.0**

Licensee Comments:

1Q/08: Failed to classify the scram correctly during 1Q08. Corrected in 2Q08.

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)	3.90E-07	6.80E-07	6.80E-07	9.00E-07	1.60E-06	1.90E-06	1.40E-06	1.20E-06
URI (ΔCDF)	-2.90E-06	-2.80E-06	-2.60E-06	-2.40E-06	-2.20E-06	-1.90E-06	-1.50E-06	-5.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.51E-06**	**-2.12E-06**	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**	**0.00E+00**	**-1.00E-07**	**6.50E-07**

Licensee Comments:

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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.00E-07	1.20E-07	1.70E-08	1.70E-08	1.70E-08	1.50E-08	1.50E-08	1.70E-08
URI (ΔCDF)	-8.30E-08	-8.50E-08	-7.90E-08	-8.20E-08	-8.10E-08	-8.10E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**3.50E-08**	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	5.70E-08	5.90E-08	6.40E-08	6.10E-08	8.10E-08	6.60E-08	5.40E-08	5.40E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.13E-07**	**-1.11E-07**	**-1.06E-07**	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**	**-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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	2.40E-07	2.10E-07	2.60E-07	2.70E-07	2.60E-07	3.80E-07	3.50E-07	3.60E-07
URI (ΔCDF)	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-3.00E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-5.00E-08**	**-1.00E-08**	**1.00E-08**	**-1.00E-08**	**1.20E-07**	**5.00E-08**	**8.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-1.30E-07	-2.30E-08	2.10E-07	3.40E-07	4.00E-07	2.70E-07	1.50E-07	5.90E-07
URI (ΔCDF)	7.70E-07	-7.50E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.40E-07	-7.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.40E-07**	**-7.73E-07**	**-5.20E-07**	**-3.90E-07**	**-3.30E-07**	**-4.50E-07**	**-5.90E-07**	**-1.40E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000900	0.000900	0.000900	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**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	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800	N/A	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.240	0.230	0.230	0.230	0.170	0.100	0.100	0.100	0.100	0.100	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	**2.4**	**2.3**	**2.3**	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**
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	0.110	0.120	0.100	0.110	0.100	0.080	0.110	0.090	0.090	N/A	0.150	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**	**1.0**	**1.1**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**

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	62.0	39.0	21.0	39.0	41.0	75.0	22.0	2.0
Total opportunities	69.0	39.0	22.0	43.0	45.0	80.0	22.0	2.0
Indicator value	**94.6%**	**94.7%**	**95.3%**	**94.8%**	**93.7%**	**93.3%**	**93.9%**	**93.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	70.0	70.0	69.0	68.0	68.0	67.0	68.0	62.0
Total Key personnel	70.0	70.0	69.0	68.0	68.0	67.0	68.0	62.0
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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	76	64	74	66	76	65	76	64
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**97.2%**	**96.9%**	**96.9%**	**97.9%**	**97.9%**	**98.3%**	**99.0%**	**98.3%**

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

Licensee Comments:

4Q/07: During the April 2008 NRC inspection in Health Physics it was identified that Health Physics failed to identify a NRC Performance indicator on 7406A cubicle, 2031 Radwaste. This was an uposted High Radiation Area > 1Rem found in October 2007.

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.

Wolf Creek 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**

Licensee Comments:

1Q/08: Failed to classify the scram correctly during 1Q08. Corrected in 2Q08.

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1405.1	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**

Licensee Comments:

1Q/08: Corrected from scram event to unplanned shutdown

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	1.0	0	0
Indicator value				**0.0**	**0.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	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	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	6.80E-07	6.80E-07	9.00E-07	1.60E-06	1.90E-06	1.40E-06	1.20E-06	1.20E-06
URI (ΔCDF)	-2.80E-06	-2.60E-06	-2.40E-06	-2.20E-06	-1.90E-06	-1.50E-06	-6.90E-07	-7.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.12E-06**	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**	**0.00E+00**	**-1.00E-07**	**5.10E-07**	**4.70E-07**

Licensee Comments:

2Q/06: Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

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)	1.20E-07	1.70E-08	1.70E-08	1.70E-08	1.50E-08	1.50E-08	1.70E-08	1.60E-08
URI (ΔCDF)	-8.50E-08	-7.90E-08	-8.20E-08	-8.10E-08	-8.10E-08	-8.50E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.50E-08**	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**	**-6.90E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	5.90E-08	6.40E-08	6.10E-08	8.10E-08	6.60E-08	5.40E-08	5.40E-08	3.90E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.11E-07**	**-1.06E-07**	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**	**-1.06E-07**	**-1.06E-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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	2.10E-07	2.60E-07	2.70E-07	2.60E-07	3.80E-07	3.50E-07	3.60E-07	3.30E-07
URI (ΔCDF)	-2.60E-07	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-3.00E-07	-2.80E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-1.00E-08**	**1.00E-08**	**-1.00E-08**	**1.20E-07**	**5.00E-08**	**8.00E-08**	**4.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-3.50E-08	2.00E-07	3.20E-07	3.70E-07	2.40E-07	1.20E-07	5.40E-07	7.80E-07
URI (ΔCDF)	-7.50E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.40E-07	-7.30E-07	-7.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.85E-07**	**-5.30E-07**	**-4.10E-07**	**-3.60E-07**	**-4.80E-07**	**-6.20E-07**	**-1.90E-07**	**5.00E-08**

Licensee Comments:

3Q/08: Changed PRA Parameter(s).

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

1Q/08: Changed PRA Parameter(s).

4Q/07: Changed PRA Parameter(s).

3Q/07: 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).

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	0.000800	0.000300	0.000300	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**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	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800	N/A	0.000300	0.000300	0.000700	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.230	0.170	0.100	0.100	0.100	0.100	0.100	0.110	0.110	0.110	0.120	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**1.7**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**
Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	0.110	0.100	0.080	0.110	0.090	0.090	N/A	0.150	0.150	0.150	0.170	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**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**

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	39.0	21.0	39.0	41.0	75.0	22.0	2.0	49.0
Total opportunities	39.0	22.0	43.0	45.0	80.0	22.0	2.0	56.0
Indicator value	**94.7%**	**95.3%**	**94.8%**	**93.7%**	**93.3%**	**93.9%**	**93.5%**	**93.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	70.0	69.0	68.0	68.0	67.0	68.0	62.0	65.0
Total Key personnel	70.0	69.0	68.0	68.0	67.0	68.0	62.0	65.0
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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	64	74	66	76	65	76	64	65
Total sirens-tests	66	77	66	77	66	77	66	66
Indicator value	**96.9%**	**96.9%**	**97.9%**	**97.9%**	**98.3%**	**99.0%**	**98.3%**	**98.2%**

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	1	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**2**

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

Wolf Creek 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**

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	1.0	0	0	0
Indicator value			**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/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	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	6.80E-07	9.00E-07	1.60E-06	1.90E-06	1.40E-06	1.20E-06	1.20E-06	8.10E-07
URI (ΔCDF)	-2.60E-06	-2.40E-06	-2.20E-06	-1.90E-06	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.92E-06**	**-1.50E-06**	**-6.00E-07**	**0.00E+00**	**-1.00E-07**	**5.10E-07**	**4.70E-07**	**-3.79E-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)	1.70E-08	1.70E-08	1.70E-08	1.50E-08	1.50E-08	1.70E-08	1.60E-08	1.60E-08
URI (ΔCDF)	-7.90E-08	-8.20E-08	-8.10E-08	-8.10E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-6.50E-08**	**-6.40E-08**	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	6.40E-08	6.10E-08	8.10E-08	6.60E-08	5.40E-08	5.40E-08	3.90E-08	3.90E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.06E-07**	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**	**-1.06E-07**	**-1.06E-07**	**-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	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	2.60E-07	2.70E-07	2.60E-07	3.80E-07	3.50E-07	3.60E-07	3.30E-07	2.60E-07
URI (ΔCDF)	-2.70E-07	-2.60E-07	-2.70E-07	-2.60E-07	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**1.00E-08**	**-1.00E-08**	**1.20E-07**	**5.00E-08**	**8.00E-08**	**4.00E-08**	**-3.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	2.00E-07	3.20E-07	3.70E-07	2.40E-07	1.20E-07	5.40E-07	7.80E-07	7.90E-07
URI (ΔCDF)	-7.30E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-07**	**-4.10E-07**	**-3.60E-07**	**-4.80E-07**	**-6.20E-07**	**-1.90E-07**	**5.00E-08**	**7.00E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000400	0.000400	0.000500	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**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	0.000700	0.000700	0.000800	N/A	0.000300	0.000300	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.100	0.100	0.100	0.100	0.110	0.110	0.110	0.120	0.100	0.110	0.100	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**	**1.1**	**1.0**	**0.8**
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	0.110	0.090	0.090	N/A	0.150	0.150	0.150	0.170	0.150	0.150	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	21.0	39.0	41.0	75.0	22.0	2.0	49.0	224.0
Total opportunities	22.0	43.0	45.0	80.0	22.0	2.0	56.0	232.0
Indicator value	**95.3%**	**94.8%**	**93.7%**	**93.3%**	**93.9%**	**93.5%**	**93.2%**	**94.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	69.0	68.0	68.0	67.0	68.0	62.0	65.0	64.0
Total Key personnel	69.0	68.0	68.0	67.0	68.0	62.0	65.0	64.0
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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	74	66	76	65	76	64	65	66
Total sirens-tests	77	66	77	66	77	66	66	66
Indicator value	**96.9%**	**97.9%**	**97.9%**	**98.3%**	**99.0%**	**98.3%**	**98.2%**	**98.5%**

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	1	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**1**

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

Wolf Creek 1

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	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value		**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**2**

Licensee Comments:

4Q/08: Further evaluation of LER 2008-008 found that both RHR trains were inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	9.00E-07	1.60E-06	1.90E-06	1.40E-06	1.20E-06	1.20E-06	8.10E-07	2.00E-06
URI (ΔCDF)	-2.40E-06	-2.20E-06	-1.90E-06	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06	-4.70E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-06**	**-6.00E-07**	**0.00E+00**	**-1.00E-07**	**5.10E-07**	**4.70E-07**	**-3.79E-06**	**-2.70E-06**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	1.70E-08	1.70E-08	1.50E-08	1.50E-08	1.70E-08	1.60E-08	1.60E-08	-2.90E-09
URI (ΔCDF)	-8.20E-08	-8.10E-08	-8.10E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08	-8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-08**	**-6.40E-08**	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**	**-8.49E-08**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	6.10E-08	8.10E-08	6.60E-08	5.40E-08	5.40E-08	3.90E-08	3.90E-08	1.20E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.09E-07**	**-8.90E-08**	**-9.40E-08**	**-1.06E-07**	**-1.06E-07**	**-1.21E-07**	**-1.21E-07**	**-1.48E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	2.70E-07	2.60E-07	3.80E-07	3.50E-07	3.60E-07	3.30E-07	2.60E-07	-5.20E-08
URI (ΔCDF)	-2.60E-07	-2.70E-07	-2.60E-07	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-08**	**-1.00E-08**	**1.20E-07**	**5.00E-08**	**8.00E-08**	**4.00E-08**	**-3.00E-08**	**-3.42E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	3.20E-07	3.70E-07	2.40E-07	1.20E-07	5.40E-07	7.80E-07	7.90E-07	-2.20E-07
URI (ΔCDF)	-7.30E-07	-7.30E-07	-7.20E-07	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-07**	**-3.60E-07**	**-4.80E-07**	**-6.20E-07**	**-1.90E-07**	**5.00E-08**	**7.00E-08**	**-9.50E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

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	0.000600	0.000400	0.000500	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	N/A	0.000300	0.000300	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**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	0.100	0.110	0.110	0.110	0.120	0.100	0.110	0.100	0.080	0.110	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	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**1.0**	**1.1**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**
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	N/A	0.150	0.150	0.150	0.170	0.150	0.150	0.150	0.140	0.150	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	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**

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	39.0	41.0	75.0	22.0	2.0	49.0	224.0	27.0
Total opportunities	43.0	45.0	80.0	22.0	2.0	56.0	232.0	27.0
Indicator value	**94.8%**	**93.7%**	**93.3%**	**93.9%**	**93.5%**	**93.2%**	**94.2%**	**94.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	68.0	68.0	67.0	68.0	62.0	65.0	64.0	67.0
Total Key personnel	68.0	68.0	67.0	68.0	62.0	65.0	64.0	67.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	66	76	65	76	64	65	66	77
Total sirens-tests	66	77	66	77	66	66	66	77
Indicator value	**97.9%**	**97.9%**	**98.3%**	**99.0%**	**98.3%**	**98.2%**	**98.5%**	**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	1	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**2**	**1**	**1**

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

Wolf Creek 1

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	1.0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9
Indicator value	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9
Indicator value	**0**	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	1	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**2**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.60E-06	1.90E-06	1.40E-06	1.20E-06	1.20E-06	8.10E-07	2.00E-06	2.20E-06
URI (ΔCDF)	-2.20E-06	-1.90E-06	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06	-4.70E-06	-4.70E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.00E-07**	**0.00E+00**	**-1.00E-07**	**5.10E-07**	**4.70E-07**	**-3.79E-06**	**-2.70E-06**	**-2.50E-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)	1.70E-08	1.50E-08	1.50E-08	1.70E-08	1.60E-08	1.60E-08	-2.90E-09	-1.50E-09
URI (ΔCDF)	-8.10E-08	-8.10E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08	-8.20E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**	**-8.49E-08**	**-8.45E-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)	8.10E-08	6.60E-08	5.40E-08	5.40E-08	3.90E-08	3.90E-08	1.20E-08	9.40E-09
URI (ΔCDF)	-1.70E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-08**	**-9.40E-08**	**-1.06E-07**	**-1.06E-07**	**-1.21E-07**	**-1.21E-07**	**-1.48E-07**	**-1.41E-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)	2.60E-07	3.80E-07	3.50E-07	3.60E-07	3.30E-07	2.60E-07	-5.20E-08	-4.50E-08
URI (ΔCDF)	-2.70E-07	-2.60E-07	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**1.20E-07**	**5.00E-08**	**8.00E-08**	**4.00E-08**	**-3.00E-08**	**-3.42E-07**	**-3.35E-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)	3.70E-07	2.40E-07	1.20E-07	5.40E-07	7.80E-07	7.90E-07	-2.20E-07	-1.60E-07
URI (ΔCDF)	-7.30E-07	-7.20E-07	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.30E-07	-7.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-07**	**-4.80E-07**	**-6.20E-07**	**-1.90E-07**	**5.00E-08**	**7.00E-08**	**-9.50E-07**	**-9.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000600	0.000700	0.000600	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800	N/A	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.110	0.120	0.100	0.110	0.100	0.080	0.110	0.090	0.090	N/A	0.150	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**	**1.0**	**1.1**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**
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	0.150	0.170	0.150	0.150	0.150	0.140	0.150	0.140	0.140	0.140	0.150	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	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**

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	41.0	75.0	22.0	2.0	49.0	224.0	27.0	66.0
Total opportunities	45.0	80.0	22.0	2.0	56.0	232.0	27.0	69.0
Indicator value	**93.7%**	**93.3%**	**93.9%**	**93.5%**	**93.2%**	**94.2%**	**94.5%**	**94.9%**

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	68.0	67.0	68.0	62.0	65.0	64.0	67.0	65.0
Total Key personnel	68.0	67.0	68.0	62.0	65.0	64.0	67.0	65.0
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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	76	65	76	64	65	66	77	77
Total sirens-tests	77	66	77	66	66	66	77	77
Indicator value	**97.9%**	**98.3%**	**99.0%**	**98.3%**	**98.2%**	**98.5%**	**98.9%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	1	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**1**	**1**

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 23, 2009

Wolf Creek 1

3Q/2009 Performance Indicators

Licensee's General Comments: LER 08-008-02 has been revised and this SSFF is being moved from 4Q08 to 3Q09 based on the new revision date.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	1.0	0	0	0	0	1.0	1.0
Critical hours	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9
Indicator value	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0.8**	**1.6**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9
Indicator value	**0**	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	1	0	0	0	1
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

3Q/09: LER 2008-008-02 has been revised and this SSFF is being moved from the 4Q08 to 3Q09 based on the new issue date/revision date to the LER.

4Q/08: Further evaluation of LER 2008-008 found that both RHR trains were inoperable. LER 2008-008-02 has been revised and this SSFF is being moved from the 4Q08 to 3Q09 based on the new issue date/revision date to the LER.

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)	1.90E-06	1.40E-06	1.20E-06	1.20E-06	8.10E-07	2.00E-06	2.20E-06	2.40E-06
URI (ΔCDF)	-1.90E-06	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06	-4.70E-06	-4.70E-06	-4.90E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**0.00E+00**	**-1.00E-07**	**5.10E-07**	**4.70E-07**	**-3.79E-06**	**-2.70E-06**	**-2.50E-06**	**-2.50E-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)	1.50E-08	1.50E-08	1.70E-08	1.60E-08	1.60E-08	-2.90E-09	-1.50E-09	1.90E-09
URI (ΔCDF)	-8.10E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08	-8.20E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-08**	**-7.00E-08**	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**	**-8.49E-08**	**-8.45E-08**	**-8.11E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	6.60E-08	5.40E-08	5.40E-08	3.90E-08	3.90E-08	1.20E-08	9.40E-09	-6.10E-10
URI (ΔCDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.40E-08**	**-1.06E-07**	**-1.06E-07**	**-1.21E-07**	**-1.21E-07**	**-1.48E-07**	**-1.41E-07**	**-1.61E-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)	3.80E-07	3.50E-07	3.60E-07	3.30E-07	2.60E-07	-5.20E-08	-4.50E-08	-3.70E-08
URI (ΔCDF)	-2.60E-07	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**5.00E-08**	**8.00E-08**	**4.00E-08**	**-3.00E-08**	**-3.42E-07**	**-3.35E-07**	**-3.27E-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)	2.40E-07	1.20E-07	5.40E-07	7.80E-07	7.90E-07	-2.20E-07	-1.60E-07	2.20E-07
URI (ΔCDF)	-7.20E-07	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.30E-07	-7.40E-07	-7.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-07**	**-6.20E-07**	**-1.90E-07**	**5.00E-08**	**7.00E-08**	**-9.50E-07**	**-9.00E-07**	**-5.10E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000700	0.000800	0.000600	0.000700	0.000700	0.000800	N/A	0.000300	0.000300	0.000700	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0**	**0**

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**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	0.110	0.100	0.080	0.110	0.090	0.090	N/A	0.150	0.150	0.150	0.170	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**	**1.0**	**0.8**	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**
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	0.150	0.150	0.140	0.150	0.140	0.140	0.140	0.150	0.150	0.150	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	75.0	22.0	2.0	49.0	224.0	27.0	66.0	39.0
Total opportunities	80.0	22.0	2.0	56.0	232.0	27.0	69.0	40.0
Indicator value	**93.3%**	**93.9%**	**93.5%**	**93.2%**	**94.2%**	**94.5%**	**94.9%**	**95.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	67.0	68.0	62.0	65.0	64.0	67.0	65.0	65.0
Total Key personnel	67.0	68.0	62.0	65.0	64.0	67.0	65.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	65	76	64	65	66	77	77	66
Total sirens-tests	66	77	66	66	66	77	77	66
Indicator value	**98.3%**	**99.0%**	**98.3%**	**98.2%**	**98.5%**	**98.9%**	**99.7%**	**100.0%**

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	1	0	0	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**2**	**1**	**1**	**1**	**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

Wolf Creek 1

4Q/2009 Performance Indicators

Licensee's General Comments: LER 2008-004-01 was submitted on 11/11/09. The original event occurred on 4/7/08. The LER supplement was submitted based on questions on reporting under 10CFR50.73(a)(2)(v). See noncited violation 05 000482 / 2009 004-07.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	0	1.0	1.0	0
Critical hours	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1
Indicator value	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0.8**	**1.6**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1
Indicator value	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	0	1	0	0	0	1	3
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**4**

Licensee Comments:

4Q/09: LER 2008-004-01 was submitted on 11/11/09. The original event occurred on 4/7/08. The LER supplement was submitted based on questions on reporting under 10CFR50.73(a)(2)(v). See noncited violation 05 000482 / 2009 004-07.

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)	1.40E-06	1.20E-06	1.20E-06	8.10E-07	2.00E-06	2.20E-06	2.40E-06	8.20E-07
URI (ΔCDF)	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06	-4.70E-06	-4.70E-06	-4.90E-06	-1.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**5.10E-07**	**4.70E-07**	**-3.79E-06**	**-2.70E-06**	**-2.50E-06**	**-2.50E-06**	**-1.80E-07**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	1.50E-08	1.70E-08	1.60E-08	1.60E-08	-2.90E-09	-1.50E-09	1.90E-09	-2.20E-09
URI (ΔCDF)	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08	-8.20E-08	-8.30E-08	-8.30E-08	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.00E-08**	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**	**-8.49E-08**	**-8.45E-08**	**-8.11E-08**	**-4.40E-09**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	5.40E-08	5.40E-08	3.90E-08	3.90E-08	1.20E-08	9.40E-09	-6.10E-10	8.60E-10
URI (ΔCDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.06E-07**	**-1.06E-07**	**-1.21E-07**	**-1.21E-07**	**-1.48E-07**	**-1.41E-07**	**-1.61E-07**	**-1.29E-07**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	3.50E-07	3.60E-07	3.30E-07	2.60E-07	-5.20E-08	-4.50E-08	-3.70E-08	-1.60E-08
URI (ΔCDF)	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**8.00E-08**	**4.00E-08**	**-3.00E-08**	**-3.42E-07**	**-3.35E-07**	**-3.27E-07**	**-2.46E-07**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	1.20E-07	5.40E-07	7.80E-07	7.90E-07	-2.20E-07	-1.60E-07	2.20E-07	7.70E-08
URI (ΔCDF)	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.30E-07	-7.40E-07	-7.30E-07	-1.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-07**	**-1.90E-07**	**5.00E-08**	**7.00E-08**	**-9.50E-07**	**-9.00E-07**	**-5.10E-07**	**-1.32E-06**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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	0.000700	0.000700	0.000800	N/A	0.000300	0.000300	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600	0.000600	N/A	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.110	0.090	0.090	N/A	0.150	0.150	0.150	0.170	0.150	0.150	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**0.9**	**0.9**	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**
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	0.150	0.140	0.140	0.140	0.150	0.150	0.150	0.150	0.140	0.140	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	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	22.0	2.0	49.0	224.0	27.0	66.0	39.0	1.0
Total opportunities	22.0	2.0	56.0	232.0	27.0	69.0	40.0	2.0
Indicator value	**93.9%**	**93.5%**	**93.2%**	**94.2%**	**94.5%**	**94.9%**	**95.5%**	**95.6%**

Licensee Comments: none

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	68.0	62.0	65.0	64.0	67.0	65.0	65.0	64.0
Total Key personnel	68.0	62.0	65.0	64.0	67.0	65.0	65.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**

Licensee Comments: none

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	76	64	65	66	77	77	66	77
Total sirens-tests	77	66	66	66	77	77	66	77
Indicator value	**99.0%**	**98.3%**	**98.2%**	**98.5%**	**98.9%**	**99.7%**	**100.0%**	**100.0%**

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	1	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**2**	**1**	**1**	**1**	**0**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: January 22, 2010

Wolf Creek 1

1Q/2010 Performance Indicators

Licensee's General Comments: This revision is to report the scrams from April 2009 and August 2009 as Scrams with Complications. These Scrams with Complications were not previously reported as Scrams with Complications while FAQ 10-03 was in process. The NRC issued a tentative decision to the FAQ that the scram is a Scram with Complications. Therefore, WCNOC is reporting both scrams as Scrams with Complications. Per NEI 99-02, this requires WCNOC to complete a mid-quarter report as we have crossed the green to white performance threshold. WCNOC continues to evaluate escalation of the WCNOC position through the appeal process.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	1.0	1.0	0	2.0
Critical hours	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0.8**	**1.6**	**1.8**	**3.8**

Licensee Comments:

1Q/10: Within the last four quarters Wolf Creek has experienced four reactor scrams. These events will drive the NRC IE01 Unplanned Scrams per 7000 Critical Hours across the GREEN/WHITE threshold. The following four scrams count against the indicator: 4-28-09 B Main Feed Regulating Valve Closed Unexpectedly 8-19-09 Loss of Offsite Power 3-2-2010 Loss of One Main Feedwater Pump 3-8-2010 Manual Reactor Trip due to A Main Feedwater Pump Trip

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**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	0	1.0	1.0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**0.0**	**1.0**	**2.0**	**2.0**	**2.0**

Licensee Comments:

1Q/10: FAQ introduced to the NRC on 3-18-2010

3Q/09: This revision is to report the scram from August 2009 as a Scram with Complications. This scram was not previously reported as a Scram with Complications while FAQ 10-03 was in process. The NRC issued a tentative decision to the FAQ that this is a Scram with Complications. Therefore, WCNOC is reporting this scram as a Scram with Complications. Per NEI 99-02, this requires WCNOC to complete a mid-quarter report as we have crossed the green to white performance threshold. WCNOC continues to evaluate escalation of the WCNOC position through the appeal process.

2Q/09: This revision is to report the scram from April 2009 as a Scram with Complications. This scram was not previously reported as a Scram with Complications while FAQ 10-03 was in process. The NRC issued a tentative decision to the FAQ that this is a Scram with Complications. Therefore, WCNOC is reporting this scram as a Scram with Complications. Per NEI 99-02, this requires WCNOC to complete a mid-quarter report as we have crossed the green to white performance threshold. WCNOC continues to evaluate escalation of the WCNOC position through the appeal process.

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	1	0	0	0	1	4	4
Indicator value	**0**	**1**	**1**	**1**	**1**	**1**	**5**	**9**

Licensee Comments:

1Q/10: Within the last four quarters Wolf Creek has experienced nine Safety System Functional Failures (SSFF). These events will drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following nine SSFFs count against the indicator: LER 2008-008-02 Potential for RHR Trains to be Inoperable During Mode Change LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF) LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled LER 2008-004-01 Loss of Power Event When the Reactor was Defueled LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip

4Q/09: LER 2008-004-01 submitted 11/11/09 with original event occurring 4/7/08. LER supplement submitted based on NRC questions and NCV (2009 004-07).LER 2009-002-00, LER-2009-005-00

4Q/09: LER 2008-004-01 submitted 11/11/09 with original event occurring 4/7/08. LER supplement submitted based on NRC questions and NCV (2009 004-07).LER 2009-002-00, LER-2009-005-00

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/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	1.24E-06	1.19E-06	8.06E-07	1.97E-06	2.16E-06	2.41E-06	8.18E-07	9.58E-07
URI (ΔCDF)	-2.19E-06	-2.22E-06	-5.95E-06	-6.07E-06	-6.10E-06	-6.21E-06	-1.26E-06	-1.28E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.50E-07**	**-1.00E-06**	**-5.10E-06**	**-4.10E-06**	**-3.90E-06**	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**

Licensee Comments:

1Q/10: Risk Cap Invoked.

4Q/09: Risk Cap Invoked. PRA Model update in 3Q09 effective for this reporting quarter.

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked.

1Q/09: Risk Cap Invoked.

4Q/08: Risk Cap Invoked.

3Q/08: Risk Cap Invoked.

2Q/08: Risk Cap Invoked.

1Q/08: Risk Cap Invoked.

4Q/07: Risk Cap Invoked.

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. Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	1.68E-08	1.62E-08	1.58E-08	-2.93E-09	-1.52E-09	1.90E-09	-2.18E-09	-2.13E-09
URI (ΔCDF)	-8.52E-08	-8.52E-08	-8.23E-08	-8.22E-08	-8.35E-08	-8.35E-08	-2.21E-09	-2.22E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.80E-08**	**-6.90E-08**	**-6.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	5.44E-08	3.95E-08	3.95E-08	1.18E-08	9.44E-09	-6.15E-10	8.61E-10	5.82E-09
URI (ΔCDF)	-1.60E-07	-1.61E-07	-1.61E-07	-1.60E-07	-1.54E-07	-1.61E-07	-1.26E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.20E-07**	**-1.20E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

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)	3.62E-07	3.25E-07	2.64E-07	-5.21E-08	-4.51E-08	-3.68E-08	-1.56E-08	2.29E-09
URI (ΔCDF)	-2.83E-07	-2.85E-07	-2.86E-07	-2.86E-07	-2.87E-07	-2.91E-07	-2.30E-07	-2.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.90E-08**	**4.00E-08**	**-2.20E-08**	**-3.40E-07**	**-3.30E-07**	**-3.30E-07**	**-2.50E-07**	**-2.30E-07**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

2Q/08: Based on NEI 99-02 Rev 6 (F 2.2.2 - Failures, Treatment of Demand and Run Failures) the failure (541) involved in this event (modes 4 - 3) would not have affected the ability of the component to perform it's monitored at power function.

2Q/08: Based on NEI 99-02 Rev 6 (F 2.2.2 - Failures, Treatment of Demand and Run Failures) the failure (541) involved in this event (modes 4 - 3) would not have affected the ability of the component to perform it's monitored at power function.

2Q/06: Notified by INPO on 10/2/06 tha the CDF current value was going to be altered due to data conversion from MSPI calculator to CDE. Calculator allowed an additional decimal place. This conversion altered the CDF value.

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)	5.45E-07	7.78E-07	7.87E-07	-2.22E-07	-1.56E-07	2.20E-07	7.65E-08	4.71E-08
URI (ΔCDF)	-7.29E-07	-7.27E-07	-7.24E-07	-7.35E-07	-7.36E-07	-7.33E-07	-1.42E-06	-1.42E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**5.10E-08**	**6.30E-08**	**-9.60E-07**	**-8.90E-07**	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	N/A	0.000300	0.000300	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**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	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600	0.000600	N/A	0.000600	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	N/A	0.150	0.150	0.150	0.170	0.150	0.150	0.150	0.140	0.150	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	**N/A**	**1.5**	**1.5**	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**
Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.140	0.150	0.150	0.150	0.150	0.140	0.140	0.030	0.030	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	2.0	49.0	224.0	27.0	66.0	39.0	1.0	128.0
Total opportunities	2.0	56.0	232.0	27.0	69.0	40.0	2.0	131.0
Indicator value	**93.5%**	**93.2%**	**94.2%**	**94.5%**	**94.9%**	**95.5%**	**95.6%**	**95.9%**

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	62.0	65.0	64.0	67.0	65.0	65.0	64.0	69.0
Total Key personnel	62.0	65.0	64.0	67.0	65.0	65.0	65.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	64	65	66	77	77	66	77	77
Total sirens-tests	66	66	66	77	77	66	77	77
Indicator value	**98.3%**	**98.2%**	**98.5%**	**98.9%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: June 2, 2010

Wolf Creek 1

2Q/2010 Performance Indicators

Licensee's General Comments: 10-2009 Master LHRA key placed in breakaway box for emergency use but had no administrative controls in place for key use or inventory. The indicator remains in the green performance band.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	1.0	1.0	0	2.0	0
Critical hours	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0
Indicator value	**1.0**	**1.0**	**0**	**0.8**	**1.6**	**1.8**	**3.8**	**2.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	1.0	1.0	0	0	0
Indicator value	**1.0**	**1.0**	**0.0**	**1.0**	**2.0**	**2.0**	**2.0**	**1.0**

Licensee Comments:

3Q/09: This revision is to report the scram from August 2009 as a Scram with Complications. This scram was not previously reported as a Scram with Complications while FAQ 10-03 was in process. The NRC issued a tentative decision to the FAQ that this is a Scram with Complications. Therefore, WCNOC is reporting this scram as a Scram with Complications. Per NEI 99-02, this requires WCNOC to complete a mid-quarter report as we have crossed the green to white performance threshold. WCNOC continues to evaluate escalation of the WCNOC position through the appeal process.

2Q/09: This revision is to report the scram from April 2009 as a Scram with Complications. This scram was not previously reported as a Scram with Complications while FAQ 10-03 was in process. The NRC issued a tentative decision to the FAQ that this is a Scram with Complications. Therefore, WCNOC is reporting this scram as a Scram with Complications. Per NEI 99-02, this requires WCNOC to complete a mid-quarter report as we have crossed the green to white performance threshold. WCNOC continues to evaluate escalation of the WCNOC position through the appeal process.

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	1	0	0	0	1	4	4	1
Indicator value	**1**	**1**	**1**	**1**	**1**	**5**	**9**	**10**

Licensee Comments:

2Q/10: Within the last four quarters Wolf Creek has experienced ten Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following ten SSFFs count against the indicator: LER 2008-008-02 Potential for RHR Trains to be Inoperable During Mode Change LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF) LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled LER 2008-004-01 Loss of Power Event When the Reactor was Defueled LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - â€œPost-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.â€? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

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)	1.19E-06	8.06E-07	1.97E-06	2.16E-06	2.41E-06	8.18E-07	9.58E-07	1.00E-06
URI (ΔCDF)	-2.22E-06	-5.95E-06	-6.07E-06	-6.10E-06	-6.21E-06	-1.26E-06	-1.28E-06	-1.28E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-06**	**-5.10E-06**	**-4.10E-06**	**-3.90E-06**	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**

Licensee Comments:

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	1.62E-08	1.58E-08	-2.93E-09	-1.52E-09	1.90E-09	-2.18E-09	-2.13E-09	-2.14E-09
URI (ΔCDF)	-8.52E-08	-8.23E-08	-8.22E-08	-8.35E-08	-8.35E-08	-2.21E-09	-2.22E-09	-1.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-6.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	3.95E-08	3.95E-08	1.18E-08	9.44E-09	-6.15E-10	8.61E-10	5.82E-09	9.14E-09
URI (ΔCDF)	-1.61E-07	-1.61E-07	-1.60E-07	-1.54E-07	-1.61E-07	-1.26E-07	-1.28E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	3.25E-07	2.64E-07	-5.21E-08	-4.51E-08	-3.68E-08	-1.56E-08	2.29E-09	-6.74E-09
URI (ΔCDF)	-2.85E-07	-2.86E-07	-2.86E-07	-2.87E-07	-2.91E-07	-2.30E-07	-2.32E-07	-2.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-08**	**-2.20E-08**	**-3.40E-07**	**-3.30E-07**	**-3.30E-07**	**-2.50E-07**	**-2.30E-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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	7.78E-07	7.87E-07	-2.22E-07	-1.56E-07	2.20E-07	7.65E-08	4.71E-08	2.64E-07
URI (ΔCDF)	-7.27E-07	-7.24E-07	-7.35E-07	-7.36E-07	-7.33E-07	-1.42E-06	-1.42E-06	-1.43E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-08**	**6.30E-08**	**-9.60E-07**	**-8.90E-07**	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**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	0.000500	0.000600	0.000600	0.000600	N/A	0.000600	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	0.150	0.170	0.150	0.150	0.150	0.140	0.150	0.140	0.140	0.140	0.150	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	**1.5**	**1.7**	**1.5**	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**
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	0.150	0.150	0.140	0.140	0.030	0.030	0.040	0.040	0.040	0.030	0.170	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	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	49.0	224.0	27.0	66.0	39.0	1.0	128.0	37.0
Total opportunities	56.0	232.0	27.0	69.0	40.0	2.0	131.0	41.0
Indicator value	**93.2%**	**94.2%**	**94.5%**	**94.9%**	**95.5%**	**95.6%**	**95.9%**	**95.5%**

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	65.0	64.0	67.0	65.0	65.0	64.0	69.0	66.0
Total Key personnel	65.0	64.0	67.0	65.0	65.0	65.0	69.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**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	65	66	77	77	66	77	77	77
Total sirens-tests	66	66	77	77	66	77	77	77
Indicator value	**98.2%**	**98.5%**	**98.9%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments:

4Q/09: A master LHRA key was placed in a break-away box for emergency use but had no administrative controls for it's use or inventory.

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: August 18, 2010

Wolf Creek 1

3Q/2010 Performance Indicators

Licensee's General Comments: Within the last four quarters Wolf Creek has experienced nine Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following nine SSFFs count against the indicator: LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF); LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled; LER 2008-004-01 Loss of Power Event When the Reactor was Defueled; LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - â€œPost-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.â€? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	1.0	1.0	0	2.0	0	0
Critical hours	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0
Indicator value	**1.0**	**0**	**0.8**	**1.6**	**1.8**	**3.8**	**2.8**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	1.0	1.0	0	0	0	0
Indicator value	**1.0**	**0.0**	**1.0**	**2.0**	**2.0**	**2.0**	**1.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	0	1	4	4	1	0
Indicator value	**1**	**1**	**1**	**1**	**5**	**9**	**10**	**9**

Licensee Comments:

3Q/10: Within the last four quarters Wolf Creek has experienced nine Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following nine SSFFs count against the indicator: LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF); LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled; LER 2008-004-01 Loss of Power Event When the Reactor was Defueled; LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - ???Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.??? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

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)	8.06E-07	1.97E-06	2.16E-06	2.41E-06	8.18E-07	9.58E-07	1.00E-06	8.16E-07
URI (ΔCDF)	-5.95E-06	-6.07E-06	-6.10E-06	-6.21E-06	-1.26E-06	-1.28E-06	-1.28E-06	-1.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-06**	**-4.10E-06**	**-3.90E-06**	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**

Licensee Comments:

3Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	1.58E-08	-2.93E-09	-1.52E-09	1.90E-09	-2.18E-09	-2.13E-09	-2.14E-09	-2.08E-09
URI (ΔCDF)	-8.23E-08	-8.22E-08	-8.35E-08	-8.35E-08	-2.21E-09	-2.22E-09	-1.37E-09	-2.44E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	3.95E-08	1.18E-08	9.44E-09	-6.15E-10	8.61E-10	5.82E-09	9.14E-09	3.08E-08
URI (ΔCDF)	-1.61E-07	-1.60E-07	-1.54E-07	-1.61E-07	-1.26E-07	-1.28E-07	-1.28E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	2.64E-07	-5.21E-08	-4.51E-08	-3.68E-08	-1.56E-08	2.29E-09	-6.74E-09	1.70E-07
URI (ΔCDF)	-2.86E-07	-2.86E-07	-2.87E-07	-2.91E-07	-2.30E-07	-2.32E-07	-2.36E-07	-2.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-3.40E-07**	**-3.30E-07**	**-3.30E-07**	**-2.50E-07**	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	7.87E-07	-2.22E-07	-1.56E-07	2.20E-07	7.65E-08	4.71E-08	2.64E-07	4.26E-07
URI (ΔCDF)	-7.24E-07	-7.35E-07	-7.36E-07	-7.33E-07	-1.42E-06	-1.42E-06	-1.43E-06	-1.44E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-08**	**-9.60E-07**	**-8.90E-07**	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000400	0.000500	0.000400	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**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	0.000600	N/A	0.000600	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	0.150	0.150	0.140	0.150	0.140	0.140	0.140	0.150	0.150	0.150	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.5**	**1.4**	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**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	0.030	0.030	0.040	0.040	0.040	0.030	0.170	0.040	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	224.0	27.0	66.0	39.0	1.0	128.0	37.0	31.0
Total opportunities	232.0	27.0	69.0	40.0	2.0	131.0	41.0	36.0
Indicator value	**94.2%**	**94.5%**	**94.9%**	**95.5%**	**95.6%**	**95.9%**	**95.5%**	**95.7%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	64.0	67.0	65.0	65.0	64.0	69.0	66.0	63.0
Total Key personnel	64.0	67.0	65.0	65.0	65.0	69.0	66.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**96.9%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	66	77	77	66	77	77	77	66
Total sirens-tests	66	77	77	66	77	77	77	66
Indicator value	**98.5%**	**98.9%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

Wolf Creek 1

4Q/2010 Performance Indicators

Licensee's General Comments: Within the last four quarters Wolf Creek has experienced six Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following six SSFFs count against the indicator: LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues. The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains. LER 2010-010-00, Inadequate Analysis Results in a Component Cooling Water Train to be Declared Inoperable.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	1.0	1.0	0	2.0	0	0	1.0
Critical hours	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4
Indicator value	**0**	**0.8**	**1.6**	**1.8**	**3.8**	**2.8**	**1.8**	**2.5**

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	0	0	2.0
Critical hours	2159.0	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**2.5**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	1.0	1.0	0	0	0	0	0
Indicator value	**0.0**	**1.0**	**2.0**	**2.0**	**2.0**	**1.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	1	4	4	1	0	1
Indicator value	**1**	**1**	**1**	**5**	**9**	**10**	**9**	**6**

Licensee Comments:

4Q/10: Within the last four quarters Wolf Creek has experienced six Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following six SSFFs count against the indicator: LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues. The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains. LER 2010-010-00, Inadequate Analysis Results in a Component Cooling Water Train to be Declared Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.97E-06	2.16E-06	2.41E-06	8.18E-07	9.58E-07	1.00E-06	8.16E-07	7.29E-07
URI (ΔCDF)	-6.07E-06	-6.10E-06	-6.21E-06	-1.26E-06	-1.28E-06	-1.28E-06	-1.30E-06	-1.94E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-06**	**-3.90E-06**	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**

Licensee Comments:

4Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.93E-09	-1.52E-09	1.90E-09	-2.18E-09	-2.13E-09	-2.14E-09	-2.08E-09	-2.10E-09
URI (ΔCDF)	-8.22E-08	-8.35E-08	-8.35E-08	-2.21E-09	-2.22E-09	-1.37E-09	-2.44E-09	-2.74E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.18E-08	9.44E-09	-6.15E-10	8.61E-10	5.82E-09	9.14E-09	3.08E-08	3.67E-08
URI (ΔCDF)	-1.60E-07	-1.54E-07	-1.61E-07	-1.26E-07	-1.28E-07	-1.28E-07	-1.30E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-5.21E-08	-4.51E-08	-3.68E-08	-1.56E-08	2.29E-09	-6.74E-09	1.70E-07	1.54E-07
URI (ΔCDF)	-2.86E-07	-2.87E-07	-2.91E-07	-2.30E-07	-2.32E-07	-2.36E-07	-2.52E-07	-2.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-07**	**-3.30E-07**	**-3.30E-07**	**-2.50E-07**	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.22E-07	-1.56E-07	2.20E-07	7.65E-08	4.71E-08	2.64E-07	4.26E-07	6.46E-07
URI (ΔCDF)	-7.35E-07	-7.36E-07	-7.33E-07	-1.42E-06	-1.42E-06	-1.43E-06	-1.44E-06	-1.43E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-07**	**-8.90E-07**	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600	0.000600	N/A	0.000600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.150	0.140	0.140	0.140	0.150	0.150	0.150	0.150	0.140	0.140	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	**1.5**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**
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	0.040	0.040	0.040	0.030	0.170	0.040	0.040	0.040	0.040	0.330	0.340	0.330
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**

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	27.0	66.0	39.0	1.0	128.0	37.0	31.0	57.0
Total opportunities	27.0	69.0	40.0	2.0	131.0	41.0	36.0	62.0
Indicator value	**94.5%**	**94.9%**	**95.5%**	**95.6%**	**95.9%**	**95.5%**	**95.7%**	**94.6%**

Licensee Comments: none

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	67.0	65.0	65.0	64.0	69.0	66.0	63.0	60.0
Total Key personnel	67.0	65.0	65.0	65.0	69.0	66.0	65.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**96.9%**	**92.3%**

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	77	77	66	77	77	77	66	77
Total sirens-tests	77	77	66	77	77	77	66	77
Indicator value	**98.9%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Wolf Creek 1

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	1.0	0	2.0	0	0	1.0	0
Critical hours	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9
Indicator value	**0.8**	**1.6**	**1.8**	**3.8**	**2.8**	**1.8**	**2.5**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	1.0	0	0	2.0	0
Critical hours	2126.9	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**2.5**	**1.7**

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	1.0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**2.0**	**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)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	1	4	4	1	0	1	0
Indicator value	**1**	**1**	**5**	**9**	**10**	**9**	**6**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	2.16E-06	2.41E-06	8.18E-07	9.58E-07	1.00E-06	8.16E-07	7.29E-07	9.99E-07
URI (ΔCDF)	-6.10E-06	-6.21E-06	-1.26E-06	-1.28E-06	-1.28E-06	-1.30E-06	-1.94E-06	-1.18E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-06**	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**

Licensee Comments:

1Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.52E-09	1.90E-09	-2.18E-09	-2.13E-09	-2.14E-09	-2.08E-09	-2.10E-09	5.10E-10
URI (ΔCDF)	-8.35E-08	-8.35E-08	-2.21E-09	-2.22E-09	-1.37E-09	-2.44E-09	-2.74E-09	-2.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	9.44E-09	-6.15E-10	8.61E-10	5.82E-09	9.14E-09	3.08E-08	3.67E-08	8.00E-08
URI (ΔCDF)	-1.54E-07	-1.61E-07	-1.26E-07	-1.28E-07	-1.28E-07	-1.30E-07	-1.32E-07	-1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**	**-4.70E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-4.51E-08	-3.68E-08	-1.56E-08	2.29E-09	-6.74E-09	1.70E-07	1.54E-07	1.62E-07
URI (ΔCDF)	-2.87E-07	-2.91E-07	-2.30E-07	-2.32E-07	-2.36E-07	-2.52E-07	-2.64E-07	-2.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-07**	**-3.30E-07**	**-2.50E-07**	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.56E-07	2.20E-07	7.65E-08	4.71E-08	2.64E-07	4.26E-07	6.46E-07	6.79E-07
URI (ΔCDF)	-7.36E-07	-7.33E-07	-1.42E-06	-1.42E-06	-1.43E-06	-1.44E-06	-1.43E-06	-1.43E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-07**	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600	0.000600	N/A	0.000600	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.140	0.150	0.150	0.150	0.150	0.140	0.140	0.030	0.030	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**
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	0.030	0.170	0.040	0.040	0.040	0.040	0.330	0.340	0.330	0.340	0.330	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	66.0	39.0	1.0	128.0	37.0	31.0	57.0	18.0
Total opportunities	69.0	40.0	2.0	131.0	41.0	36.0	62.0	20.0
Indicator value	**94.9%**	**95.5%**	**95.6%**	**95.9%**	**95.5%**	**95.7%**	**94.6%**	**94.0%**

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	65.0	65.0	64.0	69.0	66.0	63.0	60.0	66.0
Total Key personnel	65.0	65.0	65.0	69.0	66.0	65.0	65.0	66.0
Indicator value	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**96.9%**	**92.3%**	**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	77	66	77	77	77	66	77	76
Total sirens-tests	77	66	77	77	77	66	77	77
Indicator value	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	0	0	2	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**2**	**2**	**2**	**2**	**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

Wolf Creek 1

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	1.0	0	2.0	0	0	1.0	0	1.0
Critical hours	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9	132.5
Indicator value	**1.6**	**1.8**	**3.8**	**2.8**	**1.8**	**2.5**	**0.9**	**2.3**

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	0	0	2.0	0	0
Critical hours	2115.9	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9	132.5
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**2.5**	**1.7**	**2.3**

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	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**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)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	1	4	4	1	0	1	0	2
Indicator value	**1**	**5**	**9**	**10**	**9**	**6**	**2**	**3**

Licensee Comments:

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

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)	2.41E-06	8.18E-07	9.58E-07	1.00E-06	8.16E-07	7.29E-07	9.99E-07	1.07E-06
URI (ΔCDF)	-6.21E-06	-1.26E-06	-1.28E-06	-1.28E-06	-1.30E-06	-1.94E-06	-1.18E-06	-1.14E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-06**	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**

Licensee Comments:

2Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	1.90E-09	-2.18E-09	-2.13E-09	-2.14E-09	-2.08E-09	-2.10E-09	5.10E-10	6.45E-10
URI (ΔCDF)	-8.35E-08	-2.21E-09	-2.22E-09	-1.37E-09	-2.44E-09	-2.74E-09	-2.14E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-08**	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-6.15E-10	8.61E-10	5.82E-09	9.14E-09	3.08E-08	3.67E-08	8.00E-08	9.01E-08
URI (ΔCDF)	-1.61E-07	-1.26E-07	-1.28E-07	-1.28E-07	-1.30E-07	-1.32E-07	-1.27E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-3.68E-08	-1.56E-08	2.29E-09	-6.74E-09	1.70E-07	1.54E-07	1.62E-07	1.65E-07
URI (ΔCDF)	-2.91E-07	-2.30E-07	-2.32E-07	-2.36E-07	-2.52E-07	-2.64E-07	-2.64E-07	-2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-07**	**-2.50E-07**	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**	**-1.00E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	2.20E-07	7.65E-08	4.71E-08	2.64E-07	4.26E-07	6.46E-07	6.79E-07	5.40E-07
URI (ΔCDF)	-7.33E-07	-1.42E-06	-1.42E-06	-1.43E-06	-1.44E-06	-1.43E-06	-1.43E-06	-1.44E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-07**	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**	**-9.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000500	0.000600	0.000600	0.000600	N/A	0.000600	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**	**0**	**0**	**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	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500	N/A	N/A	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

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	0.150	0.150	0.140	0.140	0.030	0.030	0.040	0.040	0.040	0.030	0.170	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	**1.5**	**1.5**	**1.4**	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**
Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.040	0.040	0.040	0.330	0.340	0.330	0.340	0.330	0.350	N/A	0.530	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	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

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	39.0	1.0	128.0	37.0	31.0	57.0	18.0	16.0
Total opportunities	40.0	2.0	131.0	41.0	36.0	62.0	20.0	16.0
Indicator value	**95.5%**	**95.6%**	**95.9%**	**95.5%**	**95.7%**	**94.6%**	**94.0%**	**94.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	65.0	64.0	69.0	66.0	63.0	60.0	66.0	65.0
Total Key personnel	65.0	65.0	69.0	66.0	65.0	65.0	66.0	66.0
Indicator value	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**96.9%**	**92.3%**	**100.0%**	**98.5%**

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	66	77	77	77	66	77	76	77
Total sirens-tests	66	77	77	77	66	77	77	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	2	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**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

Wolf Creek 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	2.0	0	0	1.0	0	1.0	0
Critical hours	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9	132.5	2208.0
Indicator value	**1.8**	**3.8**	**2.8**	**1.8**	**2.5**	**0.9**	**2.3**	**2.3**

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	0	0	2.0	0	0	0
Critical hours	1207.1	2005.2	2184.0	2208.0	1852.4	1847.9	132.5	2208.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**2.5**	**1.7**	**2.3**	**2.3**

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	**2.0**	**2.0**	**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)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	4	4	1	0	1	0	1	0
Indicator value	**5**	**9**	**10**	**9**	**6**	**2**	**2**	**2**

Licensee Comments:

3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

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)	8.18E-07	9.58E-07	1.00E-06	8.16E-07	7.29E-07	9.99E-07	1.07E-06	1.36E-06
URI (ΔCDF)	-1.26E-06	-1.28E-06	-1.28E-06	-1.30E-06	-1.94E-06	-1.18E-06	-1.14E-06	-1.21E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**	**1.50E-07**

Licensee Comments:

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

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)	-2.18E-09	-2.13E-09	-2.14E-09	-2.08E-09	-2.10E-09	5.10E-10	6.45E-10	6.70E-10
URI (ΔCDF)	-2.21E-09	-2.22E-09	-1.37E-09	-2.44E-09	-2.74E-09	-2.14E-09	-2.40E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-09**	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	8.61E-10	5.82E-09	9.14E-09	3.08E-08	3.67E-08	8.00E-08	9.01E-08	2.18E-07
URI (ΔCDF)	-1.26E-07	-1.28E-07	-1.28E-07	-1.30E-07	-1.32E-07	-1.27E-07	-1.28E-07	-1.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**	**8.80E-08**

Licensee Comments:

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	-1.56E-08	2.29E-09	-6.74E-09	1.70E-07	1.54E-07	1.62E-07	1.65E-07	1.37E-07
URI (ΔCDF)	-2.30E-07	-2.32E-07	-2.36E-07	-2.52E-07	-2.64E-07	-2.64E-07	-2.87E-07	-2.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	7.65E-08	4.71E-08	2.64E-07	4.26E-07	6.46E-07	6.79E-07	5.40E-07	6.42E-07
URI (ΔCDF)	-1.42E-06	-1.42E-06	-1.43E-06	-1.44E-06	-1.43E-06	-1.43E-06	-9.36E-07	-9.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-06**	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**

Licensee Comments:

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

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	0.000600	N/A	0.000600	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**N/A**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500	N/A	N/A	N/A	0.000200	0.000200	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**

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	0.030	0.030	0.040	0.040	0.040	0.030	0.170	0.040	0.040	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**
Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	0.330	0.340	0.330	0.340	0.330	0.350	N/A	0.530	0.140	0.130	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	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**

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	1.0	128.0	37.0	31.0	57.0	18.0	16.0	163.0
Total opportunities	2.0	131.0	41.0	36.0	62.0	20.0	16.0	166.0
Indicator value	**95.6%**	**95.9%**	**95.5%**	**95.7%**	**94.6%**	**94.0%**	**94.0%**	**95.1%**

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	64.0	69.0	66.0	63.0	60.0	66.0	65.0	66.0
Total Key personnel	65.0	69.0	66.0	65.0	65.0	66.0	66.0	66.0
Indicator value	**98.5%**	**100.0%**	**100.0%**	**96.9%**	**92.3%**	**100.0%**	**98.5%**	**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	77	77	77	66	77	76	77	66
Total sirens-tests	77	77	77	66	77	77	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	2	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**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

Wolf Creek 1

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	2.0	0	0	1.0	0	1.0	0	0
Critical hours	2005.2	2184.0	2208.0	1852.4	1847.9	132.5	2208.0	2209.0
Indicator value	**3.8**	**2.8**	**1.8**	**2.5**	**0.9**	**2.3**	**2.3**	**1.1**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	1.0	0	0	2.0	0	0	0	0
Critical hours	2005.2	2184.0	2208.0	1852.4	1847.9	132.5	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**2.5**	**1.7**	**2.3**	**2.3**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**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)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	4	1	0	1	0	2	0	1
Indicator value	**9**	**10**	**9**	**6**	**2**	**3**	**3**	**3**

Licensee Comments:

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

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)	9.58E-07	1.00E-06	8.16E-07	7.29E-07	9.99E-07	1.07E-06	1.36E-06	1.33E-06
URI (ΔCDF)	-1.28E-06	-1.28E-06	-1.30E-06	-1.94E-06	-1.18E-06	-1.14E-06	-1.21E-06	-1.15E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-07**	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**	**1.50E-07**	**1.80E-07**

Licensee Comments:

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

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)	-2.13E-09	-2.14E-09	-2.08E-09	-2.10E-09	5.10E-10	6.45E-10	6.70E-10	4.76E-09
URI (ΔCDF)	-2.22E-09	-1.37E-09	-2.44E-09	-2.74E-09	-2.14E-09	-2.40E-09	-2.46E-09	-2.23E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-09**	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**	**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)	5.82E-09	9.14E-09	3.08E-08	3.67E-08	8.00E-08	9.01E-08	2.18E-07	2.59E-07
URI (ΔCDF)	-1.28E-07	-1.28E-07	-1.30E-07	-1.32E-07	-1.27E-07	-1.28E-07	3.71E-07	3.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**	**5.90E-07**	**6.30E-07**

Licensee Comments:

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	2.29E-09	-6.74E-09	1.70E-07	1.54E-07	1.62E-07	1.65E-07	1.37E-07	1.19E-07
URI (ΔCDF)	-2.32E-07	-2.36E-07	-2.52E-07	-2.64E-07	-2.64E-07	-2.87E-07	-2.88E-07	-2.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**	**-1.70E-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)	4.71E-08	2.64E-07	4.26E-07	6.46E-07	6.79E-07	5.40E-07	6.42E-07	6.42E-07
URI (ΔCDF)	-1.42E-06	-1.43E-06	-1.44E-06	-1.43E-06	-1.43E-06	-9.36E-07	-9.74E-07	-9.94E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**

Licensee Comments:

4Q/11: Risk Cap Invoked.

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	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000400	0.000400	0.000500	N/A	N/A	N/A	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**	**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	0.040	0.040	0.040	0.030	0.170	0.040	0.040	0.040	0.040	0.330	0.340	0.330
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**
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	0.340	0.330	0.350	N/A	0.530	0.140	0.130	0.110	0.110	0.120	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**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	128.0	37.0	31.0	57.0	18.0	16.0	163.0	82.0
Total opportunities	131.0	41.0	36.0	62.0	20.0	16.0	166.0	84.0
Indicator value	**95.9%**	**95.5%**	**95.7%**	**94.6%**	**94.0%**	**94.0%**	**95.1%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	69.0	66.0	63.0	60.0	66.0	65.0	66.0	66.0
Total Key personnel	69.0	66.0	65.0	65.0	66.0	66.0	66.0	66.0
Indicator value	**100.0%**	**100.0%**	**96.9%**	**92.3%**	**100.0%**	**98.5%**	**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	77	77	66	77	76	77	66	77
Total sirens-tests	77	77	66	77	77	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	**2**	**2**	**2**	**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

Wolf Creek 1

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	1.0	0	1.0	0	0	1.0
Critical hours	2184.0	2208.0	1852.4	1847.9	132.5	2208.0	2209.0	425.0
Indicator value	**2.8**	**1.8**	**2.5**	**0.9**	**2.3**	**2.3**	**1.1**	**2.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	2.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1852.4	1847.9	132.5	2208.0	2209.0	425.0
Indicator value	**0.9**	**0.9**	**2.5**	**1.7**	**2.3**	**2.3**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	1.0
Indicator value	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	1	0	1	0	2	0	0	2
Indicator value	**10**	**9**	**6**	**2**	**3**	**3**	**2**	**4**

Licensee Comments:

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

4Q/10: Within the last four quarters Wolf Creek has experienced six Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following six SSFFs count against the indicator: LER 2008-002-01 Tech. Spec Allowed Outage Time

Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues. The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains. LER 2010-010-00, Inadequate Analysis Results in a Component Cooling Water Train to be Declared Inoperable.

3Q/10: Within the last four quarters Wolf Creek has experienced nine Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following nine SSFFs count against the indicator: LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF); LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled; LER 2008-004-01 Loss of Power Event When the Reactor was Defueled; LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - ???Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.??? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

2Q/10: Within the last four quarters Wolf Creek has experienced ten Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following ten SSFFs count against the indicator: LER 2008-008-02 Potential for RHR Trains to be Inoperable During Mode Change LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF) LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled LER 2008-004-01 Loss of Power Event When the Reactor was Defueled LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - â€œPost-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.â€? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

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)	1.00E-06	8.16E-07	7.29E-07	9.99E-07	1.07E-06	1.36E-06	1.33E-06	9.46E-07
URI (ΔCDF)	-1.28E-06	-1.30E-06	-1.94E-06	-1.18E-06	-1.14E-06	-1.21E-06	-1.15E-06	-1.22E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-07**	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**	**1.50E-07**	**1.80E-07**	**-2.70E-07**

Licensee Comments:

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-2.14E-09	-2.08E-09	-2.10E-09	5.10E-10	6.45E-10	6.70E-10	4.76E-09	6.89E-09
URI (ΔCDF)	-1.37E-09	-2.44E-09	-2.74E-09	-2.14E-09	-2.40E-09	-2.46E-09	-2.23E-09	-3.87E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-09**	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**	**2.50E-09**	**3.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	9.14E-09	3.08E-08	3.67E-08	8.00E-08	9.01E-08	2.18E-07	2.59E-07	2.63E-07
URI (ΔCDF)	-1.28E-07	-1.30E-07	-1.32E-07	-1.27E-07	-1.28E-07	3.71E-07	3.67E-07	3.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.00E-07**	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**	**5.90E-07**	**6.30E-07**	**6.30E-07**

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	-6.74E-09	1.70E-07	1.54E-07	1.62E-07	1.65E-07	1.37E-07	1.19E-07	1.97E-07
URI (ΔCDF)	-2.36E-07	-2.52E-07	-2.64E-07	-2.64E-07	-2.87E-07	-2.88E-07	-2.88E-07	-3.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-8.20E-08**	**-1.10E-07**	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**	**-1.70E-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/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	2.64E-07	4.26E-07	6.46E-07	6.79E-07	5.40E-07	6.42E-07	6.42E-07	7.47E-07
URI (ΔCDF)	-1.43E-06	-1.44E-06	-1.43E-06	-1.43E-06	-9.36E-07	-9.74E-07	-9.94E-07	-1.03E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-06**	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000300	0.000400	0.000500	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	N/A	N/A	N/A	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300	0.000200	N/A	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**N/A**	**N/A**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.030	0.170	0.040	0.040	0.040	0.040	0.330	0.340	0.330	0.340	0.330	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**1.7**	**0.4**	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	N/A	0.530	0.140	0.130	0.110	0.110	0.120	0.120	0.120	0.110	0	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

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	37.0	31.0	57.0	18.0	16.0	163.0	82.0	42.0
Total opportunities	41.0	36.0	62.0	20.0	16.0	166.0	84.0	42.0
Indicator value	**95.5%**	**95.7%**	**94.6%**	**94.0%**	**94.0%**	**95.1%**	**95.7%**	**95.5%**

Licensee Comments: none

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	66.0	63.0	60.0	66.0	65.0	66.0	66.0	65.0
Total Key personnel	66.0	65.0	65.0	66.0	66.0	66.0	66.0	65.0
Indicator value	**100.0%**	**96.9%**	**92.3%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	77	66	77	76	77	66	77	77
Total sirens-tests	77	66	77	77	77	66	77	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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	**2**	**2**	**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

Wolf Creek 1

2Q/2012 Performance Indicators

Licensee's General Comments: Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

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	1.0	0	1.0	0	0	1.0	0
Critical hours	2208.0	1852.4	1847.9	132.5	2208.0	2209.0	425.0	2184.0
Indicator value	**1.8**	**2.5**	**0.9**	**2.3**	**2.3**	**1.1**	**2.8**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	2.0	0	0	0	0	0	1.0
Critical hours	2208.0	1852.4	1847.9	132.5	2208.0	2209.0	425.0	2184.0
Indicator value	**0.9**	**2.5**	**1.7**	**2.3**	**2.3**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	1.0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	1	0	2	0	0	2	1
Indicator value	**9**	**6**	**2**	**3**	**3**	**2**	**4**	**3**

Licensee Comments:

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

4Q/10: Within the last four quarters Wolf Creek has experienced six Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following six SSFFs count against the indicator: LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues. The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains. LER 2010-010-00, Inadequate Analysis Results in a Component Cooling Water Train to be Declared Inoperable.

3Q/10: Within the last four quarters Wolf Creek has experienced nine Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following nine SSFFs count against the indicator: LER 2009-002-00 Loss of Offsite Power Due to Lightning 8-19-09 (2 SSFF); LER 2009-005-00 Loss of Both DGs During Refueling Outage with Reactor Defueled; LER 2008-004-01 Loss of Power Event When the Reactor was Defueled; LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - ???Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues.??? The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains.

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)	8.16E-07	7.29E-07	9.99E-07	1.07E-06	1.36E-06	1.33E-06	9.46E-07	8.23E-07
					-1.21E-	-1.15E-		

URI (ΔCDF)	-1.30E-06	-1.94E-06	-1.18E-06	-1.14E-06	06	06	3.71E-06	3.81E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-07**	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**	**1.50E-07**	**1.80E-07**	**4.70E-06**	**4.60E-06**

Licensee Comments:

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.08E-09	-2.10E-09	5.10E-10	6.45E-10	6.70E-10	4.76E-09	6.89E-09	5.51E-09
URI (ΔCDF)	-2.44E-09	-2.74E-09	-2.14E-09	-2.40E-09	-2.46E-09	-2.23E-09	-3.87E-09	-3.53E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-09**	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**	**2.50E-09**	**3.00E-09**	**2.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	3.08E-08	3.67E-08	8.00E-08	9.01E-08	2.18E-07	2.59E-07	2.63E-07	2.70E-07
URI (ΔCDF)	-1.30E-07	-1.32E-07	-1.27E-07	-1.28E-07	3.71E-07	3.67E-07	3.66E-07	3.68E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**	**5.90E-07**	**6.30E-07**	**6.30E-07**	**6.40E-07**

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	1.70E-07	1.54E-07	1.62E-07	1.65E-07	1.37E-07	1.19E-07	1.97E-07	1.66E-07
URI (ΔCDF)	-2.52E-07	-2.64E-07	-2.64E-07	-2.87E-07	-2.88E-07	-2.88E-07	-3.26E-07	-3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-08**	**-1.10E-07**	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**	**-1.70E-07**	**-1.30E-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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	4.26E-07	6.46E-07	6.79E-07	5.40E-07	6.42E-07	6.42E-07	7.47E-07	8.11E-07
URI (ΔCDF)	-1.44E-06	-1.43E-06	-1.43E-06	-9.36E-07	-9.74E-07	-9.94E-07	-1.03E-06	-1.06E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-06**	**-7.80E-07**	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500	N/A	N/A	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300	0.000200	N/A	N/A	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

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	0.040	0.040	0.040	0.330	0.340	0.330	0.340	0.330	0.350	N/A	0.530	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	**0.4**	**0.4**	**0.4**	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**
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	0.130	0.110	0.110	0.120	0.120	0.120	0.110	0	0.220	0.210	0.200	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	31.0	57.0	18.0	16.0	163.0	82.0	42.0	28.0
Total opportunities	36.0	62.0	20.0	16.0	166.0	84.0	42.0	28.0
Indicator value	**95.7%**	**94.6%**	**94.0%**	**94.0%**	**95.1%**	**95.7%**	**95.5%**	**96.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	63.0	60.0	66.0	65.0	66.0	66.0	65.0	63.0
Total Key personnel	65.0	65.0	66.0	66.0	66.0	66.0	65.0	63.0
Indicator value	**96.9%**	**92.3%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	66	77	76	77	66	77	77	77
Total sirens-tests	66	77	77	77	66	77	77	77
Indicator value	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Wolf Creek 1

3Q/2012 Performance Indicators

Licensee's General Comments: Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

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	1.0	0	1.0	0	0	1.0	0	0
Critical hours	1852.4	1847.9	132.5	2208.0	2209.0	425.0	2184.0	2208.0
Indicator value	**2.5**	**0.9**	**2.3**	**2.3**	**1.1**	**2.8**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	2.0	0	0	0	0	0	1.0	0
Critical hours	1852.4	1847.9	132.5	2208.0	2209.0	425.0	2184.0	2208.0
Indicator value	**2.5**	**1.7**	**2.3**	**2.3**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Scrams with complications	0	0	0	0	0	1.0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 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	1	0	2	0	0	2	1	0
Indicator value	**6**	**2**	**3**	**3**	**2**	**4**	**3**	**3**

Licensee Comments:

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to

not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

4Q/10: Within the last four quarters Wolf Creek has experienced six Safety System Functional Failures (SSFF). These events continue to drive the NRC Safety System Function Failure indicator across the GREEN/WHITE threshold. The following six SSFFs count against the indicator: LER 2008-002-01 Tech. Spec Allowed Outage Time Exceeded Due to Room Cooler Leak; LER 2009-009-01 Defeating Feedwater Isolation on Low Tavg Coincident with P-4 Function Results in Missed Mode Change; LER 2010-001-00 Automatic Start of AFW Unavailable During Startup and Shutdown in Mode 1 due to T/S 3.3.2 LER 2010-002-00 Lead Lift to Prevent Turbine Trip on Reactor Trip. LER 2010-007 - Post-Fire Safe Shutdown Fire-Induced Multiple Spurious Operation Issues. The PFSSD analysis review determined that a fire-induced spurious SIS coincident with a loss of RHR pump suction could prevent operation of both RHR trains. LER 2010-010-00, Inadequate Analysis Results in a Component Cooling Water Train to be Declared Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	7.29E-07	9.99E-07	1.07E-06	1.36E-06	1.33E-06	9.46E-07	8.23E-07	6.34E-07
	-1.94E-	-1.18E-	-1.14E-	-1.21E-	-1.15E-			

URI (ΔCDF)	06	06	06	06	06	3.71E-06	3.81E-06	4.19E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-06**	**-1.80E-07**	**-7.40E-08**	**1.50E-07**	**1.80E-07**	**4.70E-06**	**4.60E-06**	**4.80E-06**

Licensee Comments:

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-2.10E-09	5.10E-10	6.45E-10	6.70E-10	4.76E-09	6.89E-09	5.51E-09	7.12E-09
URI (ΔCDF)	-2.74E-09	-2.14E-09	-2.40E-09	-2.46E-09	-2.23E-09	-3.87E-09	-3.53E-09	-4.04E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-09**	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**	**2.50E-09**	**3.00E-09**	**2.00E-09**	**3.10E-09**

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	3.67E-08	8.00E-08	9.01E-08	2.18E-07	2.59E-07	2.63E-07	2.70E-07	2.77E-07
URI (ΔCDF)	-1.32E-07	-1.27E-07	-1.28E-07	3.71E-07	3.67E-07	3.66E-07	3.68E-07	3.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-4.70E-08**	**-3.80E-08**	**5.90E-07**	**6.30E-07**	**6.30E-07**	**6.40E-07**	**6.60E-07**

Licensee Comments:

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	1.54E-07	1.62E-07	1.65E-07	1.37E-07	1.19E-07	1.97E-07	1.66E-07	1.79E-07
URI (ΔCDF)	-2.64E-07	-2.64E-07	-2.87E-07	-2.88E-07	-2.88E-07	-3.26E-07	-3.25E-07	-3.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**	**-1.70E-07**	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	6.46E-07	6.79E-07	5.40E-07	6.42E-07	6.42E-07	7.47E-07	8.11E-07	7.23E-07
URI (ΔCDF)	-1.43E-06	-1.43E-06	-9.36E-07	-9.74E-07	-9.94E-07	-1.03E-06	-1.06E-06	-1.08E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-07**	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**

Licensee Comments:

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

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	0.000400	0.000400	0.000400	0.000400	0.000400	0.000500	N/A	N/A	N/A	0.000200	0.000200	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000200	0.000200	0.000300	0.000200	N/A	N/A	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

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	0.330	0.340	0.330	0.340	0.330	0.350	N/A	0.530	0.140	0.130	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	**3.3**	**3.4**	**3.3**	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**
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	0.120	0.120	0.110	0	0.220	0.210	0.200	0.230	0.250	0.240	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

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	57.0	18.0	16.0	163.0	82.0	42.0	28.0	24.0
Total opportunities	62.0	20.0	16.0	166.0	84.0	42.0	28.0	25.0
Indicator value	**94.6%**	**94.0%**	**94.0%**	**95.1%**	**95.7%**	**95.5%**	**96.3%**	**97.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	60.0	66.0	65.0	66.0	66.0	65.0	63.0	64.0
Total Key personnel	65.0	66.0	66.0	66.0	66.0	65.0	63.0	65.0
Indicator value	**92.3%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**

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	77	76	77	66	77	77	77	66
Total sirens-tests	77	77	77	66	77	77	77	66
Indicator value	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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

Wolf Creek 1

4Q/2012 Performance Indicators

Licensee's General Comments: Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	1847.9	132.5	2208.0	2209.0	425.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**2.3**	**2.3**	**1.1**	**2.8**	**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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	1847.9	132.5	2208.0	2209.0	425.0	2184.0	2208.0	2209.0
Indicator value	**1.7**	**2.3**	**2.3**	**0**	**0**	**1.0**	**1.0**	**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	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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	0	2	0	0	2	1	0	0
Indicator value	**2**	**3**	**3**	**2**	**4**	**3**	**3**	**3**

Licensee Comments:

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

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3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate

LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

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)	9.99E-07	1.07E-06	1.36E-06	1.33E-06	9.46E-07	8.23E-07	6.34E-07	4.89E-07
URI (ΔCDF)	-1.18E-06	-1.14E-06	-1.21E-06	-1.15E-06	3.71E-06	3.81E-06	4.19E-06	3.80E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**-7.40E-08**	**1.50E-07**	**1.80E-07**	**4.70E-06**	**4.60E-06**	**4.80E-06**	**4.30E-06**

Licensee Comments:

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	5.10E-10	6.45E-10	6.70E-10	4.76E-09	6.89E-09	5.51E-09	7.12E-09	5.78E-09
URI (ΔCDF)	-2.14E-09	-2.40E-09	-2.46E-09	-2.23E-09	-3.87E-09	-3.53E-09	-4.04E-09	-1.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.60E-09**	**-1.80E-09**	**-1.80E-09**	**2.50E-09**	**3.00E-09**	**2.00E-09**	**3.10E-09**	**-5.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	8.00E-08	9.01E-08	2.18E-07	2.59E-07	2.63E-07	2.70E-07	2.77E-07	2.75E-07
URI (ΔCDF)	-1.27E-07	-1.28E-07	3.71E-07	3.67E-07	3.66E-07	3.68E-07	3.80E-07	3.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-3.80E-08**	**5.90E-07**	**6.30E-07**	**6.30E-07**	**6.40E-07**	**6.60E-07**	**6.60E-07**

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing.

Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	1.62E-07	1.65E-07	1.37E-07	1.19E-07	1.97E-07	1.66E-07	1.79E-07	1.68E-07
URI (ΔCDF)	-2.64E-07	-2.87E-07	-2.88E-07	-2.88E-07	-3.26E-07	-3.25E-07	-3.24E-07	-2.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.20E-07**	**-1.50E-07**	**-1.70E-07**	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	6.79E-07	5.40E-07	6.42E-07	6.42E-07	7.47E-07	8.11E-07	7.23E-07	6.41E-07
URI (ΔCDF)	-1.43E-06	-9.36E-07	-9.74E-07	-9.94E-07	-1.03E-06	-1.06E-06	-1.08E-06	-1.02E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-07**	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

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	0.000400	0.000400	0.000500	N/A	N/A	N/A	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**	**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	0.000200	N/A	N/A	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.340	0.330	0.350	N/A	0.530	0.140	0.130	0.110	0.110	0.120	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**3.4**	**3.3**	**3.5**	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**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	0.110	0	0.220	0.210	0.200	0.230	0.250	0.240	0.230	0.230	0.250	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	18.0	16.0	163.0	82.0	42.0	28.0	24.0	46.0
Total opportunities	20.0	16.0	166.0	84.0	42.0	28.0	25.0	46.0
Indicator value	**94.0%**	**94.0%**	**95.1%**	**95.7%**	**95.5%**	**96.3%**	**97.1%**	**98.1%**

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	66.0	65.0	66.0	66.0	65.0	63.0	64.0	68.0
Total Key personnel	66.0	66.0	66.0	66.0	65.0	63.0	65.0	68.0
Indicator value	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	76	77	66	77	77	77	66	77
Total sirens-tests	77	77	66	77	77	77	66	77
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

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

Last Modified: January 23, 2013

Wolf Creek 1

1Q/2013 Performance Indicators

Licensee's General Comments: Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12). MS09 MSPI Residual Heat Removal - Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	132.5	2208.0	2209.0	425.0	2184.0	2208.0	2209.0	816.0
Indicator value	**2.3**	**2.3**	**1.1**	**2.8**	**1.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	132.5	2208.0	2209.0	425.0	2184.0	2208.0	2209.0	816.0
Indicator value	**2.3**	**2.3**	**0**	**0**	**1.0**	**1.0**	**2.0**	**1.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Scrams with complications	0	0	0	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

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	2	0	0	2	1	0	0	0
Indicator value	**3**	**3**	**2**	**4**	**3**	**3**	**3**	**1**

Licensee Comments:

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

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3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

2Q/11: LER 2011-001-00 and LER 2011-004-00. LER 2011-002-00 was determined to not be a SSFF and was cancelled.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to

not be a SSFF and was cancelled. LER 2011-004-01 (9/29/11) retracted the SSFF reported in LER 2011-004-00. LER 2011-004-02 (12/28/11) reinstated reporting per (a)(2)(v). No color change to this indicator.

2Q/11: Correction to LER # in quarterly comment. LER 2011-002-00 only. LER 2011-001-00 was determined to not be a SSFF and was cancelled. Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 (05/11) is not reportable as a SSFF. No color change to this indicator.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.07E-06	1.36E-06	1.33E-06	9.46E-07	8.23E-07	6.34E-07	4.89E-07	7.78E-07
URI (ΔCDF)	-1.14E-06	-1.21E-06	-1.15E-06	3.71E-06	3.81E-06	4.19E-06	3.80E-06	3.50E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-08**	**1.50E-07**	**1.80E-07**	**4.70E-06**	**4.60E-06**	**4.80E-06**	**4.30E-06**	**4.30E-06**

Licensee Comments:

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures

count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

2Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	6.45E-10	6.70E-10	4.76E-09	6.89E-09	5.51E-09	7.12E-09	5.78E-09	7.31E-09
URI (ΔCDF)	-2.40E-09	-2.46E-09	-2.23E-09	-3.87E-09	-3.53E-09	-4.04E-09	-1.14E-08	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-09**	**-1.80E-09**	**2.50E-09**	**3.00E-09**	**2.00E-09**	**3.10E-09**	**-5.60E-09**	**-5.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	9.01E-08	2.18E-07	2.59E-07	2.63E-07	2.70E-07	2.77E-07	2.75E-07	2.79E-07
URI (ΔCDF)	-1.28E-07	3.71E-07	3.67E-07	3.66E-07	3.68E-07	3.80E-07	3.87E-07	3.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**5.90E-07**	**6.30E-07**	**6.30E-07**	**6.40E-07**	**6.60E-07**	**6.60E-07**	**6.80E-07**

Licensee Comments:

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	1.65E-07	1.37E-07	1.19E-07	1.97E-07	1.66E-07	1.79E-07	1.68E-07	1.76E-07
URI (ΔCDF)	-2.87E-07	-2.88E-07	-2.88E-07	-3.26E-07	-3.25E-07	-3.24E-07	-2.77E-07	-3.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.50E-07**	**-1.70E-07**	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**

Licensee Comments:

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	5.40E-07	6.42E-07	6.42E-07	7.47E-07	8.11E-07	7.23E-07	6.41E-07	7.15E-07
URI (ΔCDF)	-9.36E-07	-9.74E-07	-9.94E-07	-1.03E-06	-1.06E-06	-1.08E-06	-1.02E-06	-1.06E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-07**	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**

Licensee Comments:

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked. Based on the results from hardware failure analysis report (10-3-11) additional testing was performed - during the course of vendor motor startup for final operational testing, the stator winding failed. A start/demand failure has been recorded for 05/11. No color change to this indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	N/A	N/A	N/A	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300	0.000200	N/A	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**N/A**	**N/A**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**N/A**	**N/A**

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000500	0.000400	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**

Licensee Comments:

6/11: No steady state conditions existed for the quarter due to outage and unit startup on 6/22/11 - subsequent reactor trip on 6/26/11.

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	N/A	0.530	0.140	0.130	0.110	0.110	0.120	0.120	0.120	0.110	0	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**5.3**	**1.4**	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**

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	0.210	0.200	0.230	0.250	0.240	0.230	0.230	0.250	0.240	0.250	0.250	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**

Licensee Comments:

6/11: RCS leak rate not performed, Tech Spec 3.4.13 is only applicable when the plant is in Modes 1, 2, 3 and 4 and SR 3.4.13.1, states it is not required to be performed until 12 hours after establishment of steady state operations.

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	16.0	163.0	82.0	42.0	28.0	24.0	46.0	49.0
Total opportunities	16.0	166.0	84.0	42.0	28.0	25.0	46.0	53.0
Indicator value	**94.0%**	**95.1%**	**95.7%**	**95.5%**	**96.3%**	**97.1%**	**98.1%**	**97.8%**

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	65.0	66.0	66.0	65.0	63.0	64.0	68.0	64.0
Total Key personnel	66.0	66.0	66.0	65.0	63.0	65.0	68.0	64.0
Indicator value	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	77	66	77	77	77	66	77	66
Total sirens-tests	77	66	77	77	77	66	77	66
Indicator value	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3.

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	425.0	2184.0	2208.0	2209.0	816.0	1749.1
Indicator value	**2.3**	**1.1**	**2.8**	**1.0**	**1.0**	**1.0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	1.0	0	1.0	0	3.0
Critical hours	2208.0	2209.0	425.0	2184.0	2208.0	2209.0	816.0	1749.1
Indicator value	**2.3**	**0**	**0**	**1.0**	**1.0**	**2.0**	**1.9**	**4.0**

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	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

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	2	1	0	0	0	2
Indicator value	**3**	**2**	**4**	**3**	**3**	**3**	**1**	**2**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

3Q/11: Letter WO 11-0078 submitted 9/29/11 provided supplemental report to indicate LER 2011-004-00 is not reportable as a SSFF.

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)	1.36E-06	1.33E-06	9.46E-07	8.23E-07	6.34E-07	4.89E-07	7.78E-07	1.19E-07
URI (ΔCDF)	-1.21E-06	-1.15E-06	3.71E-06	3.81E-06	4.19E-06	3.80E-06	3.50E-06	8.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.80E-07**	**4.70E-06**	**4.60E-06**	**4.80E-06**	**4.30E-06**	**4.30E-06**	**9.60E-07**

Licensee Comments:

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events

drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

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3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

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4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

3Q/11: Risk Cap Invoked. EDG Load Oscillation - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Load Failure" from two vendors.

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)	6.70E-10	4.76E-09	6.89E-09	5.51E-09	7.12E-09	5.78E-09	7.31E-09	2.33E-09
URI (ΔCDF)	-2.46E-09	-2.23E-09	-3.87E-09	-3.53E-09	-4.04E-09	-1.14E-08	-1.28E-08	-2.33E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-09**	**2.50E-09**	**3.00E-09**	**2.00E-09**	**3.10E-09**	**-5.60E-09**	**-5.50E-09**	**7.50E-13**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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)	2.18E-07	2.59E-07	2.63E-07	2.70E-07	2.77E-07	2.75E-07	2.79E-07	6.10E-07
URI (ΔCDF)	3.71E-07	3.67E-07	3.66E-07	3.68E-07	3.80E-07	3.87E-07	3.99E-07	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.90E-07**	**6.30E-07**	**6.30E-07**	**6.40E-07**	**6.60E-07**	**6.60E-07**	**6.80E-07**	**6.00E-07**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

3Q/11: Risk Cap Invoked. TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

3Q/11: TDAFWP oil issue - Functional Failure Evaluation is still open. Currently pursuing vendor evaluation of potential "Run Time Failure".

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)	1.37E-07	1.19E-07	1.97E-07	1.66E-07	1.79E-07	1.68E-07	1.76E-07	4.96E-08
URI (ΔCDF)	-2.88E-07	-2.88E-07	-3.26E-07	-3.25E-07	-3.24E-07	-2.77E-07	-3.27E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.50E-07**	**-1.70E-07**	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	6.42E-07	6.42E-07	7.47E-07	8.11E-07	7.23E-07	6.41E-07	7.15E-07	8.30E-08

URI (ΔCDF)	-9.74E-07	-9.94E-07	-1.03E-06	-1.06E-06	-1.08E-06	-1.02E-06	-1.06E-06	5.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-07**	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**	**1.40E-07**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

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	0.000200	0.000200	0.000800	0.000200	0.000200	0.000300	0.000200	N/A	N/A	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000500	0.000400	N/A	0.000100	0.000100	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**	**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	0.130	0.110	0.110	0.120	0.120	0.120	0.110	0	0.220	0.210	0.200	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.1**	**1.1**	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**
Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	0.250	0.240	0.230	0.230	0.250	0.240	0.250	0.250	N/A	0.380	0.360	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**

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	163.0	82.0	42.0	28.0	24.0	46.0	49.0	5.0
Total opportunities	166.0	84.0	42.0	28.0	25.0	46.0	53.0	6.0
Indicator value	**95.1%**	**95.7%**	**95.5%**	**96.3%**	**97.1%**	**98.1%**	**97.8%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	66.0	66.0	65.0	63.0	64.0	69.0	65.0	66.0
Total Key personnel	66.0	66.0	65.0	63.0	65.0	69.0	65.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	66	77	77	77	66	77	66	77
Total sirens-tests	66	77	77	77	66	77	66	77
Indicator value	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The Wolf Creek Probabilistic Risk Assessment Revision 7 Model contains the following noteworthy changes: 1. Added station blackout diesel generators to power either safety-related Class IE electrical bus. 2. Removed low RCS leakage credit for the installed Westinghouse RCP SHIELD Seal. 3. Update of initiating event initiating event frequencies for: a)Transient without Power Conversion System (TRO) b) Interfacing System Loss of Coolant Accident (ISLOCA) c) Consequential events - Anticipated Transient without Scram (ATW-IE) - Consequential Pressurizer LOCA (PVI-IE) - Loss of RCP Seal Cooling (RCI-IE) - Station Blackout d) Special initiating events - Loss of the Component Cooling Water System (INIT-CCW) - Loss of the Normal Service Water System (INIT-SWS) - Loss of a Vital DC Bus (INIT-DC1-NK01, INIT-DC1-NK51, INIT-DC4-NK04, or INIT DC4-NK54) 4. Updates of the component failure data in the ISLOCA fault trees. 5. Reassignment of the Very Small LOCA event to the transient initiating event group. 6. Revision of the success criteria for some SBO sequences.

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	1.0	0	0	0	0	0	0
Critical hours	2209.0	425.0	2184.0	2208.0	2209.0	816.0	1749.1	1786.6
Indicator value	**1.1**	**2.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**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	0	1.0	0	1.0	0	3.0	1.0
Critical hours	2209.0	425.0	2184.0	2208.0	2209.0	816.0	1749.1	1786.6
Indicator value	**0**	**0**	**1.0**	**1.0**	**2.0**	**1.9**	**4.0**	**5.3**

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	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

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	2	1	0	0	0	2	0
Indicator value	**2**	**4**	**3**	**3**	**3**	**1**	**2**	**2**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

4Q/11: LER 2011-010-00 (10-2011). Based on functional failure evaluation results received, this LER will be retracted in the January 2012 data reporting as no failure was identified.

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)	1.33E-06	9.46E-07	8.23E-07	6.34E-07	4.89E-07	7.78E-07	1.19E-07	1.08E-07
URI (ΔCDF)	-1.15E-06	3.71E-06	3.81E-06	4.19E-06	3.80E-06	3.50E-06	8.39E-07	8.61E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**4.70E-06**	**4.60E-06**	**4.80E-06**	**4.30E-06**	**4.30E-06**	**9.60E-07**	**9.70E-07**

Licensee Comments:

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures

count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

4Q/11: Risk Cap Invoked. EDG Load Oscillation (10-2011) - Functional Failure Evaluation is complete. Evaluation results determined no failure occurred.

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)	1.06E-08	1.21E-08	1.37E-08	1.12E-08	8.44E-09	7.50E-09	2.33E-09	1.68E-09
URI (ΔCDF)	-2.23E-09	-3.87E-09	-3.53E-09	-4.04E-09	-1.14E-08	-1.28E-08	-2.33E-09	-2.32E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.40E-09**	**8.20E-09**	**1.00E-08**	**7.20E-09**	**-2.90E-09**	**-5.30E-09**	**7.50E-13**	**-6.40E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and

resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Changed PRA Parameter(s).

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

4Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

4Q/12: Changed PRA Parameter(s).

3Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: Changed PRA Parameter(s).

2Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

2Q/12: Changed PRA Parameter(s).

1Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

1Q/12: Changed PRA Parameter(s).

4Q/11: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI

and the CCW portion of CWS.

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)	2.59E-07	2.63E-07	2.70E-07	2.77E-07	2.75E-07	2.79E-07	6.10E-07	6.49E-07
URI (ΔCDF)	3.67E-07	3.66E-07	3.68E-07	3.80E-07	3.87E-07	3.99E-07	-1.40E-08	-2.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-07**	**6.30E-07**	**6.40E-07**	**6.60E-07**	**6.60E-07**	**6.80E-07**	**6.00E-07**	**6.20E-07**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and

components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. MSPI Heat Removal System- TDAFWP oil issue - Functional Failure Evaluation ongoing. Entered 1 TDAFWP run time failure for August 2011. Upon completion of failure evaluation, this failure may be retracted. This change does not affect the overall color of the performance indicator.

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)	1.19E-07	1.97E-07	1.66E-07	1.79E-07	1.68E-07	1.76E-07	4.96E-08	1.03E-09

URI (ΔCDF)	-2.88E-07	-3.26E-07	-3.25E-07	-3.24E-07	-2.77E-07	-3.27E-07	-1.11E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	6.42E-07	7.47E-07	8.11E-07	7.23E-07	6.41E-07	7.15E-07	8.30E-08	8.43E-08
URI (ΔCDF)	-9.94E-07	-1.03E-06	-1.06E-06	-1.08E-06	-1.02E-06	-1.06E-06	5.55E-08	5.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-07**	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**	**1.40E-07**	**1.40E-07**

Licensee Comments:

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

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	0.000200	0.000200	0.000300	0.000200	N/A	N/A	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000300	0.000400	0.000500	0.000500	0.000400	N/A	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	0.120	0.120	0.120	0.110	0	0.220	0.210	0.200	0.230	0.250	0.240	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.2**	**1.2**	**1.2**	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**
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	0.230	0.250	0.240	0.250	0.250	N/A	0.380	0.360	0.120	0.110	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**

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	82.0	42.0	28.0	24.0	46.0	49.0	6.0	55.0
Total opportunities	84.0	42.0	28.0	25.0	46.0	53.0	7.0	56.0
Indicator value	**95.7%**	**95.5%**	**96.3%**	**97.1%**	**98.1%**	**97.8%**	**97.6%**	**97.4%**

Licensee Comments:

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	66.0	65.0	63.0	64.0	69.0	65.0	66.0	67.0
Total Key personnel	66.0	65.0	63.0	65.0	69.0	65.0	66.0	67.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	77	77	77	66	77	66	77	66
Total sirens-tests	77	77	77	66	77	66	77	66
Indicator value	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

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	1.0	0	0	0	0	0	0	0
Critical hours	425.0	2184.0	2208.0	2209.0	816.0	1749.1	1786.6	1998.9
Indicator value	**2.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**

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	0	1.0	0	1.0	0	3.0	1.0	1.0
Critical hours	425.0	2184.0	2208.0	2209.0	816.0	1749.1	1786.6	1998.9
Indicator value	**0**	**1.0**	**1.0**	**2.0**	**1.9**	**4.0**	**5.3**	**5.5**

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	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

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	2	1	0	0	0	2	0	0
Indicator value	**4**	**3**	**3**	**3**	**1**	**2**	**2**	**2**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

1Q/12: LER 2011-009-01 Inadequate Oil Analysis Caused Inoperable Auxiliary Feedwater Pump Longer Than Required Action Completion Time. LER 2012-001-00 Failure of 345 kV Switchyard Breaker Resulting in Reactor Trip and Loss of Offsite Power.

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)	9.46E-07	8.23E-07	6.34E-07	4.89E-07	7.78E-07	1.19E-07	1.08E-07	6.89E-09
URI (ΔCDF)	3.71E-06	3.81E-06	4.19E-06	3.80E-06	3.50E-06	8.39E-07	8.61E-07	9.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-06**	**4.60E-06**	**4.80E-06**	**4.30E-06**	**4.30E-06**	**9.60E-07**	**9.70E-07**	**1.00E-07**

Licensee Comments:

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping

errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

1Q/12: Risk Cap Invoked. 1) EDG governor tubing crack - Functional failure analysis is open; possible run failure. Currently pursuing bids for hardware failure analysis. 2) EDG field ground - Functional failure analysis is open. Hardware failure analysis draft is complete, final report expected by the end of April. Draft analysis supports 7 days of operation.

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)	1.21E-08	1.37E-08	1.12E-08	8.44E-09	7.50E-09	2.33E-09	1.68E-09	1.46E-10
URI (ΔCDF)	-3.87E-09	-3.53E-09	-4.04E-09	-1.14E-08	-1.28E-08	-2.33E-09	-2.32E-09	-4.27E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-09**	**1.00E-08**	**7.20E-09**	**-2.90E-09**	**-5.30E-09**	**7.50E-13**	**-6.40E-10**	**-2.80E-10**

Licensee Comments:

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Changed PRA Parameter(s).

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

4Q/12: Changed PRA Parameter(s).

4Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: Changed PRA Parameter(s).

2Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

2Q/12: Changed PRA Parameter(s).

1Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

1Q/12: Changed PRA Parameter(s).

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)	2.63E-07	2.70E-07	2.77E-07	2.75E-07	2.79E-07	6.10E-07	6.49E-07	1.69E-07
URI (ΔCDF)	3.66E-07	3.68E-07	3.80E-07	3.87E-07	3.99E-07	-1.40E-08	-2.92E-08	1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-07**	**6.40E-07**	**6.60E-07**	**6.60E-07**	**6.80E-07**	**6.00E-07**	**6.20E-07**	**1.80E-07**

Licensee Comments:

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and

resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	1.97E-07	1.66E-07	1.79E-07	1.68E-07	1.76E-07	4.96E-08	1.03E-09	-5.14E-10
URI (ΔCDF)	-3.26E-07	-3.25E-07	-3.24E-07	-2.77E-07	-3.27E-07	-1.11E-07	-1.10E-07	-4.49E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**

Licensee Comments:

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	7.47E-07	8.11E-07	7.23E-07	6.41E-07	7.15E-07	8.30E-08	8.43E-08	2.18E-08
URI (ΔCDF)	-1.03E-06	-1.06E-06	-1.08E-06	-1.02E-06	-1.06E-06	5.55E-08	5.71E-08	1.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-07**	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**	**1.40E-07**	**1.40E-07**	**3.90E-08**

Licensee Comments:

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

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	0.000200	N/A	N/A	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000500	0.000400	N/A	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**N/A**	**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	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.110	0	0.220	0.210	0.200	0.230	0.250	0.240	0.230	0.230	0.250	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**0**	**2.2**	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**
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	0.250	0.250	N/A	0.380	0.360	0.120	0.110	0.100	0.090	0.170	0.160	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	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**

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	42.0	28.0	24.0	46.0	49.0	6.0	55.0	119.0
Total opportunities	42.0	28.0	25.0	46.0	53.0	7.0	56.0	124.0
Indicator value	**95.5%**	**96.3%**	**97.1%**	**98.1%**	**97.8%**	**97.6%**	**97.4%**	**96.9%**

Licensee Comments:

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	65.0	63.0	64.0	69.0	65.0	66.0	67.0	65.0
Total Key personnel	65.0	63.0	65.0	69.0	65.0	66.0	67.0	65.0
Indicator value	**100.0%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	77	77	66	77	66	77	66	77
Total sirens-tests	77	77	66	77	66	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

Wolf Creek 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	816.0	1749.1	1786.6	1998.9	1584.6
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	1.0	0	1.0	0	3.0	1.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	816.0	1749.1	1786.6	1998.9	1584.6
Indicator value	**1.0**	**1.0**	**2.0**	**1.9**	**4.0**	**5.3**	**5.5**	**4.9**

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	**1.0**	**1.0**	**1.0**	**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	1	0	0	0	2	0	0	0
Indicator value	**3**	**3**	**3**	**1**	**2**	**2**	**2**	**2**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

2Q/12: LER 2012-003-00 B Train ECCS Inoperable Due to Damaged Watertight Containment Spray Pump Door Seal.

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)	8.23E-07	6.34E-07	4.89E-07	7.78E-07	1.19E-07	1.08E-07	6.89E-09	9.91E-10
URI (ΔCDF)	3.81E-06	4.19E-06	3.80E-06	3.50E-06	8.39E-07	8.61E-07	9.69E-08	4.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-06**	**4.80E-06**	**4.30E-06**	**4.30E-06**	**9.60E-07**	**9.70E-07**	**1.00E-07**	**4.30E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW

subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

2Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek has experienced one demand failure and two run failures. These events will drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12) - Hardware Failure Analysis ongoing.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.37E-08	1.12E-08	8.44E-09	7.50E-09	2.33E-09	1.68E-09	1.46E-10	5.16E-11
URI (ΔCDF)	-3.53E-09	-4.04E-09	-1.14E-08	-1.28E-08	-2.33E-09	-2.32E-09	-4.27E-10	-4.03E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-08**	**7.20E-09**	**-2.90E-09**	**-5.30E-09**	**7.50E-13**	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Changed PRA Parameter(s).

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

4Q/12: Changed PRA Parameter(s).

4Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI

99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: Changed PRA Parameter(s).

2Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

2Q/12: Changed PRA Parameter(s).

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)	2.70E-07	2.77E-07	2.75E-07	2.79E-07	6.10E-07	6.49E-07	1.69E-07	1.39E-07
URI (ΔCDF)	3.68E-07	3.80E-07	3.87E-07	3.99E-07	-1.40E-08	-2.92E-08	1.49E-08	1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.40E-07**	**6.60E-07**	**6.60E-07**	**6.80E-07**	**6.00E-07**	**6.20E-07**	**1.80E-07**	**1.50E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.66E-07	1.79E-07	1.68E-07	1.76E-07	4.96E-08	1.03E-09	-5.14E-10	5.92E-12
URI (ΔCDF)	-3.25E-07	-3.24E-07	-2.77E-07	-3.27E-07	-1.11E-07	-1.10E-07	-4.49E-08	-4.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW

subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	8.11E-07	7.23E-07	6.41E-07	7.15E-07	8.30E-08	8.43E-08	2.18E-08	2.73E-08
URI (ΔCDF)	-1.06E-06	-1.08E-06	-1.02E-06	-1.06E-06	5.55E-08	5.71E-08	1.68E-08	1.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**	**1.40E-07**	**1.40E-07**	**3.90E-08**	**4.40E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000500	0.000400	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**

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	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.210	0.200	0.230	0.250	0.240	0.230	0.230	0.250	0.240	0.250	0.250	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.1**	**2.0**	**2.3**	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**
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	0.380	0.360	0.120	0.110	0.100	0.090	0.170	0.160	0.170	0.170	0.170	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	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	28.0	24.0	46.0	49.0	6.0	55.0	119.0	14.0
Total opportunities	28.0	25.0	46.0	53.0	7.0	56.0	124.0	14.0
Indicator value	**96.3%**	**97.1%**	**98.1%**	**97.8%**	**97.6%**	**97.4%**	**96.9%**	**96.6%**

Licensee Comments:

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	63.0	64.0	69.0	65.0	66.0	67.0	65.0	65.0
Total Key personnel	63.0	65.0	69.0	65.0	66.0	67.0	65.0	65.0
Indicator value	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	77	66	77	66	77	66	77	77
Total sirens-tests	77	66	77	66	77	66	77	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Engineering evaluation of failure 310260 was determined not to be an MSPI failure.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	816.0	1749.1	1786.6	1998.9	1584.6	1170.7
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**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	0	1.0	0	3.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	816.0	1749.1	1786.6	1998.9	1584.6	1170.7
Indicator value	**1.0**	**2.0**	**1.9**	**4.0**	**5.3**	**5.5**	**4.9**	**2.1**

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	**1.0**	**1.0**	**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	0	2	0	0	0	0
Indicator value	**3**	**3**	**1**	**2**	**2**	**2**	**2**	**0**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	6.34E-07	4.89E-07	7.78E-07	1.19E-07	1.08E-07	6.89E-09	2.88E-10	2.82E-09
URI (ΔCDF)	4.19E-06	3.80E-06	3.50E-06	8.39E-07	8.61E-07	9.69E-08	4.24E-08	1.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-06**	**4.30E-06**	**4.30E-06**	**9.60E-07**	**9.70E-07**	**1.00E-07**	**4.30E-08**	**1.20E-07**

Licensee Comments:

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and

unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

3Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced one demand failure and two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 529 - demand failure (10-22-09) 620 - run failure (02-22-11) and 673 run failure (03-12-12)

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.12E-08	8.44E-09	7.50E-09	2.33E-09	1.68E-09	1.46E-10	5.16E-11	1.19E-11
URI (ΔCDF)	-4.04E-09	-1.14E-08	-1.28E-08	-2.33E-09	-2.32E-09	-4.27E-10	-4.03E-10	-3.92E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.20E-09**	**-2.90E-09**	**-5.30E-09**	**7.50E-13**	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

4Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values

for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

3Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	2.77E-07	2.75E-07	2.79E-07	6.10E-07	6.49E-07	1.69E-07	1.39E-07	1.30E-07
URI (ΔCDF)	3.80E-07	3.87E-07	3.99E-07	-1.40E-08	-2.92E-08	1.49E-08	1.45E-08	1.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**6.60E-07**	**6.60E-07**	**6.80E-07**	**6.00E-07**	**6.20E-07**	**1.80E-07**	**1.50E-07**	**1.50E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	1.79E-07	1.68E-07	1.76E-07	4.96E-08	1.03E-09	-5.14E-10	5.92E-12	-2.05E-09
URI (ΔCDF)	-3.24E-07	-2.77E-07	-3.27E-07	-1.11E-07	-1.10E-07	-4.49E-08	-4.46E-08	-3.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW

subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	7.23E-07	6.41E-07	7.15E-07	8.30E-08	8.43E-08	2.18E-08	2.73E-08	2.96E-08
URI (ΔCDF)	-1.08E-06	-1.02E-06	-1.06E-06	5.55E-08	5.71E-08	1.68E-08	1.67E-08	-2.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-07**	**-3.80E-07**	**-3.40E-07**	**1.40E-07**	**1.40E-07**	**3.90E-08**	**4.40E-08**	**7.10E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

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	0.000300	0.000300	0.000300	0.000300	0.000400	0.000500	0.000500	0.000400	N/A	0.000100	0.000100	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**	**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	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200	N/A	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.250	0.240	0.230	0.230	0.250	0.240	0.250	0.250	N/A	0.380	0.360	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**
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	0.110	0.100	0.090	0.170	0.160	0.170	0.170	0.170	0.160	N/A	0.150	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	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
Successful opportunities	24.0	46.0	49.0	6.0	55.0	119.0	14.0	37.0
Total opportunities	25.0	46.0	53.0	7.0	56.0	124.0	14.0	38.0
Indicator value	**97.1%**	**98.1%**	**97.8%**	**97.6%**	**97.4%**	**96.9%**	**96.6%**	**96.4%**

Licensee Comments:

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It

should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	64.0	69.0	65.0	66.0	67.0	65.0	65.0	63.0
Total Key personnel	65.0	69.0	65.0	66.0	67.0	65.0	65.0	63.0
Indicator value	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	66	77	66	77	66	77	77	77
Total sirens-tests	66	77	66	77	66	77	77	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

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	0	0	0	0	0	0	0
Critical hours	2209.0	816.0	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**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	1.0	0	3.0	1.0	1.0	0	0	0
Critical hours	2209.0	816.0	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0
Indicator value	**2.0**	**1.9**	**4.0**	**5.3**	**5.5**	**4.9**	**2.1**	**1.0**

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	**1.0**	**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	0	2	0	0	0	0	0
Indicator value	**3**	**1**	**2**	**2**	**2**	**2**	**0**	**0**

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	4.89E-07	7.78E-07	1.19E-07	1.08E-07	6.89E-09	2.88E-10	2.82E-09	-9.53E-11
URI (ΔCDF)	3.80E-06	3.50E-06	8.39E-07	8.61E-07	9.69E-08	4.24E-08	1.14E-07	1.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-06**	**4.30E-06**	**9.60E-07**	**9.70E-07**	**1.00E-07**	**4.30E-08**	**1.20E-07**	**1.20E-07**

Licensee Comments:

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from

Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

4Q/12: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

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)	8.44E-09	7.50E-09	2.33E-09	1.68E-09	1.46E-10	5.16E-11	1.19E-11	6.37E-11

URI (ΔCDF)	-1.14E-08	-1.28E-08	-2.33E-09	-2.32E-09	-4.27E-10	-4.03E-10	-3.92E-10	-3.91E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-09**	**-5.30E-09**	**7.50E-13**	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

4Q/12: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the

SIP portion of HPI and the CCW portion of CWS.

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)	2.75E-07	2.79E-07	6.10E-07	6.49E-07	1.69E-07	1.39E-07	1.30E-07	8.39E-08
URI (ΔCDF)	3.87E-07	3.99E-07	-1.40E-08	-2.92E-08	1.49E-08	1.45E-08	1.80E-08	-5.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-07**	**6.80E-07**	**6.00E-07**	**6.20E-07**	**1.80E-07**	**1.50E-07**	**1.50E-07**	**2.50E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	1.68E-07	1.76E-07	4.96E-08	1.03E-09	-5.14E-10	5.92E-12	-2.05E-09	1.99E-09
URI (ΔCDF)	-2.77E-07	-3.27E-07	-1.11E-07	-1.10E-07	-4.49E-08	-4.46E-08	-3.99E-08	-3.99E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	6.41E-07	7.15E-07	8.30E-08	8.43E-08	2.18E-08	2.73E-08	2.96E-08	2.92E-08
URI (ΔCDF)	-1.02E-06	-1.06E-06	5.55E-08	5.71E-08	1.68E-08	1.67E-08	-2.25E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-07**	**-3.40E-07**	**1.40E-07**	**1.40E-07**	**3.90E-08**	**4.40E-08**	**7.10E-09**	**7.10E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings

for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

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	0.000300	0.000400	0.000500	0.000500	0.000400	N/A	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0.1**	**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	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200	N/A	0.000300	0.000300	0.000200	0.000300	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	0.230	0.250	0.240	0.250	0.250	N/A	0.380	0.360	0.120	0.110	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.3**	**2.5**	**2.4**	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**
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	0.170	0.160	0.170	0.170	0.170	0.160	N/A	0.150	0.110	0.130	0.130	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**

Licensee Comments: none

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	46.0	49.0	6.0	55.0	118.0	14.0	37.0	41.0
Total opportunities	46.0	53.0	7.0	56.0	124.0	14.0	38.0	45.0
Indicator value	**98.1%**	**97.8%**	**97.6%**	**97.4%**	**96.6%**	**96.3%**	**96.1%**	**95.6%**

Licensee Comments:

4Q/13: QA audit identified a DEP reporting error for 12/2013 - data was corrected. No impact to the overall indicator color.

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	69.0	65.0	66.0	67.0	65.0	65.0	63.0	66.0
Total Key personnel	69.0	65.0	66.0	67.0	65.0	65.0	63.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

4Q/12: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%.

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	77	66	77	66	77	77	77	77
Total sirens-tests	77	66	77	66	77	77	77	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	816.0	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	3.0	1.0	1.0	0	0	0	0
Critical hours	816.0	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0
Indicator value	**1.9**	**4.0**	**5.3**	**5.5**	**4.9**	**2.1**	**1.0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Licensee Comments:

2Q/13: LER 2013-004-00 and LER 2013-005-00

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	7.78E-07	1.19E-07	1.08E-07	6.89E-09	2.88E-10	2.82E-09	-9.53E-11	3.64E-09
URI (ΔCDF)	3.50E-06	8.39E-07	8.61E-07	9.69E-08	4.24E-08	1.14E-07	1.22E-07	1.82E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-06**	**9.60E-07**	**9.70E-07**	**1.00E-07**	**4.30E-08**	**1.20E-07**	**1.20E-07**	**1.90E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked. Within the last twelve quarters Wolf Creek experienced two run failures. These events drive the NRC MS06 MSPI Emergency AC Power System across the green/white threshold. The following failures count against the indicator: 620 - run failure (02-22-11) and 673 run failure (03-12-12)

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)	7.50E-09	2.33E-09	1.68E-09	1.46E-10	5.16E-11	1.19E-11	6.37E-11	-4.03E-12
URI (ΔCDF)	-1.28E-08	-2.33E-09	-2.32E-09	-4.27E-10	-4.03E-10	-3.92E-10	-3.91E-10	-3.96E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**7.50E-13**	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: The Basic Event Fussel-Vesely (FV) values had been used in the past instead of the Average FV values for the High Pressure Injection (HPI) System and the Component Cooling Water portion of the Cooling Water Support (CWS) System. The average FV value should have been used to account for PRA modeling asymmetry per NEI 99-02 section F1.3.4. In accordance with Footnote 2 on Page 3 of NEI 99-02, the FV values were changed for the past 12 quarters in CDE for the CCP portion of HPI and just in the second quarter 2010 for the SIP portion of HPI and the CCW portion of CWS.

1Q/13: Changed PRA Parameter(s).

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)	2.79E-07	6.10E-07	6.49E-07	1.69E-07	1.39E-07	1.30E-07	8.39E-08	7.74E-08
URI (ΔCDF)	3.99E-07	-1.40E-08	-2.92E-08	1.49E-08	1.45E-08	1.80E-08	-5.84E-08	-5.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-07**	**6.00E-07**	**6.20E-07**	**1.80E-07**	**1.50E-07**	**1.50E-07**	**2.50E-08**	**2.00E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and

components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.76E-07	4.96E-08	1.03E-09	-5.14E-10	5.92E-12	-2.05E-09	1.99E-09	2.42E-09
URI (ΔCDF)	-3.27E-07	-1.11E-07	-1.10E-07	-4.49E-08	-4.46E-08	-3.99E-08	-3.99E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Potential failure of EJFCV0611 on 3/22/2013 - MSPI failure evaluation underway.

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)	7.15E-07	8.30E-08	8.43E-08	2.18E-08	2.73E-08	2.96E-08	2.92E-08	2.87E-08
URI (ΔCDF)	-1.06E-06	5.55E-08	5.71E-08	1.68E-08	1.67E-08	-2.25E-08	-2.20E-08	-2.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-07**	**1.40E-07**	**1.40E-07**	**3.90E-08**	**4.40E-08**	**7.10E-09**	**7.10E-09**	**6.80E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

1Q/13: Risk Cap Invoked.

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	0.000500	0.000400	N/A	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0.1**	**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	0.000200	0.000200	0.000200	N/A	0.000300	0.000300	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	0.250	0.250	N/A	0.380	0.360	0.120	0.110	0.100	0.090	0.170	0.160	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	**2.5**	**2.5**	**N/A**	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**
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	0.170	0.170	0.160	N/A	0.150	0.110	0.130	0.130	0.140	0.150	0.150	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	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**

Licensee Comments: none

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	49.0	6.0	55.0	118.0	14.0	37.0	41.0	65.0
Total opportunities	53.0	7.0	56.0	124.0	14.0	38.0	45.0	66.0
Indicator value	**97.8%**	**97.6%**	**97.4%**	**96.6%**	**96.3%**	**96.1%**	**95.6%**	**95.5%**

Licensee Comments:

4Q/13: QA audit identified a DEP reporting error for 12/2013 - data was corrected. No impact to the overall indicator color.

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

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	65.0	66.0	67.0	65.0	65.0	63.0	66.0	66.0
Total Key personnel	65.0	66.0	67.0	65.0	65.0	63.0	66.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/13: A QA Surveillance identified a reporting delta in the total and participating key personnel. This error has been corrected. The indicator remains at 100%. The data issue was documented in the station corrective action program.

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	66	77	66	77	77	77	77	66
Total sirens-tests	66	77	66	77	77	77	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

Wolf Creek 1

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	0
Critical hours	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	3.0	1.0	1.0	0	0	0	0	0
Critical hours	1749.1	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0
Indicator value	**4.0**	**5.3**	**5.5**	**4.9**	**2.1**	**1.0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	2	0	0	0	0	0	0	1
Indicator value	**2**	**2**	**2**	**2**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

2Q/13: LER 2013-004-00 and LER 2013-005-00

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)	1.19E-07	1.08E-07	6.89E-09	2.88E-10	2.82E-09	-9.53E-11	3.64E-09	3.33E-09
URI (ΔCDF)	8.39E-07	8.61E-07	9.69E-08	4.24E-08	1.14E-07	1.22E-07	1.82E-07	1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-07**	**9.70E-07**	**1.00E-07**	**4.30E-08**	**1.20E-07**	**1.20E-07**	**1.90E-07**	**1.30E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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)	2.33E-09	1.68E-09	1.46E-10	5.16E-11	1.19E-11	6.37E-11	-4.03E-12	7.90E-11
	-2.33E-	-2.32E-	-4.27E-	-4.03E-	-3.92E-	-3.91E-	-3.96E-	-4.09E-

URI (ΔCDF)	09	09	10	10	10	10	10	10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-13**	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Changed PRA Parameter(s). Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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)	6.10E-07	6.49E-07	1.69E-07	1.39E-07	1.30E-07	8.39E-08	7.74E-08	5.95E-08
URI (ΔCDF)	-1.40E-08	-2.92E-08	1.49E-08	1.45E-08	1.80E-08	-5.84E-08	-5.77E-08	-5.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-07**	**6.20E-07**	**1.80E-07**	**1.50E-07**	**1.50E-07**	**2.50E-08**	**2.00E-08**	**4.40E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings

for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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)	4.96E-08	1.03E-09	-5.14E-10	5.92E-12	-2.05E-09	1.99E-09	2.42E-09	3.23E-09
URI (ΔCDF)	-1.11E-07	-1.10E-07	-4.49E-08	-4.46E-08	-3.99E-08	-3.99E-08	-4.00E-08	-3.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and

add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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)	8.30E-08	8.43E-08	2.18E-08	2.73E-08	2.96E-08	2.92E-08	2.87E-08	3.03E-08
URI (ΔCDF)	5.55E-08	5.71E-08	1.68E-08	1.67E-08	-2.25E-08	-2.20E-08	-2.19E-08	-2.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**1.40E-07**	**1.40E-07**	**3.90E-08**	**4.40E-08**	**7.10E-09**	**7.10E-09**	**6.80E-09**	**8.90E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

2Q/13: Revision 9 of the Wolf Creek MSPI Basis Document incorporates new PRA inputs from Wolf Creek Generating Station PSA Model Revision 6. This revision included updates of component reliability and unavailability data, credit for the SHIELD passive RCP seal, and credit for the non-safety auxiliary feedwater pump as well as other less significant model updates. Revision 6 to the PSA model is a significant change and resulted in the revision of CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components. This revision also incorporated use of plant-specific common cause adjustment factors for the ESW subsystem of the cooling water system as allowed in NEI 99-02 Section F.2.3.4. In addition, system drawings for High Pressure Safety Injection, Emergency AC Power, and Auxiliary Feedwater were revised to correct scoping errors on previous drawings. Corrected dates in tables in Appendix 3 from 2004 to 2006 to 2002 to 2004.

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	0.000100	0.000100	0.000200	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	N/A	0.000300	0.000300	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400	0.000300	0.000400	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.380	0.360	0.120	0.110	0.100	0.090	0.170	0.160	0.170	0.170	0.170	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	**3.8**	**3.6**	**1.2**	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**
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	N/A	0.150	0.110	0.130	0.130	0.140	0.150	0.150	0.160	0.170	0.170	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**

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	6.0	55.0	118.0	14.0	37.0	41.0	65.0	128.0
Total opportunities	7.0	56.0	124.0	14.0	38.0	45.0	66.0	128.0

Indicator value	**97.6%**	**97.4%**	**96.6%**	**96.3%**	**96.1%**	**95.6%**	**95.5%**	**97.1%**

Licensee Comments:

4Q/13: QA audit identified a DEP reporting error for 12/2013 - data was corrected. No impact to the overall indicator color.

2Q/13: June 2013 DEP - It had been reported that there were three successes out of four opportunities. It should have been reported that there were four successes out of five opportunities. The additional opportunity was associated with the declaration of a Site Area Emergency. Site Area Emergency declarations inherently contain an automatic PAR. These PARs do NOT count as classification / PAR opportunities, but do count for notifications.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
Participating Key personnel	66.0	67.0	65.0	65.0	63.0	66.0	66.0	65.0
Total Key personnel	66.0	67.0	65.0	65.0	63.0	66.0	66.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	77	66	77	77	77	77	66	77
Total sirens-tests	77	66	77	77	77	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: EROP data for 1Q15 was modified due to a counting error. One position was added that had been previously omitted. This change was identified by the Licensee.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

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	1.0	1.0	0	0	0	0	0	0
Critical hours	1786.6	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7
Indicator value	**5.3**	**5.5**	**4.9**	**2.1**	**1.0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Licensee Comments:

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	1.08E-07	6.89E-09	2.88E-10	2.82E-09	-9.53E-11	3.64E-09	3.33E-09	3.57E-09
URI (ΔCDF)	8.61E-07	9.69E-08	4.24E-08	1.14E-07	1.22E-07	1.82E-07	1.27E-07	1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.70E-07**	**1.00E-07**	**4.30E-08**	**1.20E-07**	**1.20E-07**	**1.90E-07**	**1.30E-07**	**1.20E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

3Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.68E-09	1.46E-10	5.16E-11	1.19E-11	6.37E-11	-4.03E-12	7.90E-11	-7.97E-12
URI (ΔCDF)	-2.32E-09	-4.27E-10	-4.03E-10	-3.92E-10	-3.91E-10	-3.96E-10	-4.09E-10	-4.33E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-10**	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk

Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	6.49E-07	1.69E-07	1.39E-07	1.30E-07	8.39E-08	7.74E-08	5.95E-08	6.02E-08
URI (ΔCDF)	-2.92E-08	1.49E-08	1.45E-08	1.80E-08	-5.84E-08	-5.77E-08	-5.51E-08	-6.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-07**	**1.80E-07**	**1.50E-07**	**1.50E-07**	**2.50E-08**	**2.00E-08**	**4.40E-09**	**-1.70E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.03E-09	-5.14E-10	5.92E-12	-2.05E-09	1.99E-09	2.42E-09	3.23E-09	2.03E-09
URI (ΔCDF)	-1.10E-07	-4.49E-08	-4.46E-08	-3.99E-08	-3.99E-08	-4.00E-08	-3.91E-08	-4.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and

add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

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)	8.43E-08	2.18E-08	2.73E-08	2.96E-08	2.92E-08	2.87E-08	3.03E-08	3.17E-08
URI (ΔCDF)	5.71E-08	1.68E-08	1.67E-08	-2.25E-08	-2.20E-08	-2.19E-08	-2.14E-08	-2.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**3.90E-08**	**4.40E-08**	**7.10E-09**	**7.10E-09**	**6.80E-09**	**8.90E-09**	**9.40E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a

significant change and resulted in most PSA values changing.

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	0.000600	0.000200	0.000200	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200	N/A	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400	0.000300	0.000400	N/A	N/A	0.000300	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.110	0.100	0.090	0.170	0.160	0.170	0.170	0.170	0.160	N/A	0.150	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	**1.1**	**1.0**	**0.9**	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**
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	0.130	0.130	0.140	0.150	0.150	0.160	0.170	0.170	0	0.100	1.810	0.280
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	55.0	118.0	14.0	37.0	41.0	65.0	128.0	21.0
Total opportunities	56.0	124.0	14.0	38.0	45.0	66.0	128.0	22.0
Indicator value	**97.4%**	**96.6%**	**96.3%**	**96.1%**	**95.6%**	**95.5%**	**97.1%**	**97.2%**

Licensee Comments:

4Q/13: QA audit identified a DEP reporting error for 12/2013 - data was corrected. No impact to the overall indicator color.

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	67.0	65.0	65.0	63.0	66.0	66.0	66.0	65.0
Total Key personnel	67.0	65.0	65.0	63.0	66.0	66.0	66.0	65.0
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	66	77	77	77	77	66	77	66
Total sirens-tests	66	77	77	77	77	66	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER 2015-002-00

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

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	1.0	0	0	0	0	0	0	0
Critical hours	1998.9	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0
Indicator value	**5.5**	**4.9**	**2.1**	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Licensee Comments:

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	6.89E-09	2.88E-10	2.82E-09	-9.53E-11	3.64E-09	3.33E-09	3.57E-09	3.57E-09
URI (ΔCDF)	9.69E-08	4.24E-08	1.14E-07	1.22E-07	1.82E-07	1.27E-07	1.16E-07	1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**4.30E-08**	**1.20E-07**	**1.20E-07**	**1.90E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees,

update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

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)	1.46E-10	5.16E-11	1.19E-11	6.37E-11	-4.03E-12	7.90E-11	-7.97E-12	-2.15E-11
URI (ΔCDF)	-4.27E-10	-4.03E-10	-3.92E-10	-3.91E-10	-3.96E-10	-4.09E-10	-4.33E-10	-4.13E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-10**	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and

add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

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)	1.69E-07	1.39E-07	1.30E-07	8.39E-08	7.74E-08	5.95E-08	6.02E-08	5.94E-08
URI (ΔCDF)	1.49E-08	1.45E-08	1.80E-08	-5.84E-08	-5.77E-08	-5.51E-08	-6.19E-08	-6.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.50E-07**	**1.50E-07**	**2.50E-08**	**2.00E-08**	**4.40E-09**	**-1.70E-09**	**-3.40E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a

significant change and resulted in most PSA values changing.

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)	-5.14E-10	5.92E-12	-2.05E-09	1.99E-09	2.42E-09	3.23E-09	2.03E-09	3.50E-09
URI (ΔCDF)	-4.49E-08	-4.46E-08	-3.99E-08	-3.99E-08	-4.00E-08	-3.91E-08	-4.41E-08	-4.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-08**	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

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)	2.18E-08	2.73E-08	2.96E-08	2.92E-08	2.87E-08	3.03E-08	3.17E-08	2.99E-08
URI (ΔCDF)	1.68E-08	1.67E-08	-2.25E-08	-2.20E-08	-2.19E-08	-2.14E-08	-2.23E-08	-2.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-08**	**4.40E-08**	**7.10E-09**	**7.10E-09**	**6.80E-09**	**8.90E-09**	**9.40E-09**	**7.90E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s). Revision 10 of the Wolf Creek Basis Document included Probabilistic Risk Assessment (PRA) Model Revision 7, which incorporated the new support system initiating event fault trees, update of the station blackout accident sequence logic to remove credit for the SHIELD passive RCP seal and add credit for the newly installed non-safety station blackout diesel generators. The model change was a significant change and resulted in most PSA values changing.

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	0.000100	0.000200	0.000200	0.000200	0.000200	0.000200	N/A	0.000300	0.000300	0.000200	0.000300	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000300	0.000300	0.000400	0.000300	0.000400	N/A	N/A	0.000300	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.170	0.160	0.170	0.170	0.170	0.160	N/A	0.150	0.110	0.130	0.130	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.6**	**1.7**	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**
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	0.150	0.150	0.160	0.170	0.170	0	0.100	1.810	0.280	0.210	0.210	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**

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	118.0	14.0	37.0	41.0	65.0	128.0	21.0	23.0
Total opportunities	124.0	14.0	38.0	45.0	66.0	128.0	22.0	24.0
Indicator value	**96.6%**	**96.3%**	**96.1%**	**95.6%**	**95.5%**	**97.1%**	**97.2%**	**97.0%**

Licensee Comments:

4Q/13: QA audit identified a DEP reporting error for 12/2013 - data was corrected. No impact to the overall indicator color.

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	65.0	65.0	63.0	66.0	66.0	66.0	65.0	65.0
Total Key personnel	65.0	65.0	63.0	66.0	66.0	66.0	65.0	65.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	77	77	77	77	66	77	66	77
Total sirens-tests	77	77	77	77	66	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Wolf Creek 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**

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	0	0	0	0	0	0	0
Critical hours	1584.6	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0
Indicator value	**4.9**	**2.1**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	0	0	0	1	1	0	0
Indicator value	**2**	**0**	**0**	**0**	**1**	**2**	**2**	**2**

Licensee Comments:

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	2.88E-10	2.82E-09	-9.53E-11	3.64E-09	3.33E-09	3.57E-09	3.57E-09	3.57E-09
URI (ΔCDF)	4.24E-08	1.14E-07	1.22E-07	1.82E-07	1.27E-07	1.16E-07	1.16E-07	1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-08**	**1.20E-07**	**1.20E-07**	**1.90E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

1Q/14: 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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	5.16E-11	1.19E-11	6.37E-11	-4.03E-12	7.90E-11	-7.97E-12	-2.04E-11	-3.03E-11
URI (ΔCDF)	-4.03E-10	-3.92E-10	-3.91E-10	-3.96E-10	-4.09E-10	-4.33E-10	-4.13E-10	-4.33E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-10**	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**

Licensee Comments:

3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

1Q/14: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.39E-07	1.30E-07	8.39E-08	7.74E-08	5.95E-08	6.02E-08	5.94E-08	6.01E-08
URI (ΔCDF)	1.45E-08	1.80E-08	-5.84E-08	-5.77E-08	-5.51E-08	-6.19E-08	-6.28E-08	-6.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.50E-07**	**2.50E-08**	**2.00E-08**	**4.40E-09**	**-1.70E-09**	**-3.40E-09**	**-2.90E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	5.92E-12	-2.05E-09	1.99E-09	2.42E-09	3.23E-09	2.03E-09	3.50E-09	5.59E-09
URI (ΔCDF)	-4.46E-08	-3.99E-08	-3.99E-08	-4.00E-08	-3.91E-08	-4.41E-08	-4.41E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-08**	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	2.73E-08	2.96E-08	2.92E-08	2.87E-08	3.03E-08	3.17E-08	2.99E-08	3.05E-08
URI (ΔCDF)	1.67E-08	-2.25E-08	-2.20E-08	-2.19E-08	-2.14E-08	-2.23E-08	-2.21E-08	-2.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-08**	**7.10E-09**	**7.10E-09**	**6.80E-09**	**8.90E-09**	**9.40E-09**	**7.90E-09**	**8.20E-09**

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000200	0.000200	0.000200	N/A	0.000300	0.000300	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**N/A**	**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	0.000300	0.000400	N/A	N/A	0.000300	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**N/A**	**N/A**	**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	0.170	0.170	0.160	N/A	0.150	0.110	0.130	0.130	0.140	0.150	0.150	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	**1.7**	**1.7**	**1.6**	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**
Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	0.170	0.170	0	0.100	1.810	0.280	0.210	0.210	0.190	0.200	0.200	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**	**2.0**	**2.0**	**2.4**

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	14.0	37.0	41.0	65.0	128.0	21.0	23.0	18.0
Total opportunities	14.0	38.0	45.0	66.0	128.0	22.0	24.0	18.0
Indicator value	**96.3%**	**96.1%**	**95.6%**	**95.5%**	**97.1%**	**97.2%**	**97.0%**	**97.7%**

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	65.0	63.0	66.0	66.0	66.0	65.0	65.0	66.0
Total Key personnel	65.0	63.0	66.0	66.0	66.0	65.0	65.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	77	77	77	66	77	66	77	66
Total sirens-tests	77	77	77	66	77	66	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

Wolf Creek 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1170.7	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0
Indicator value	**2.1**	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	0	1	1	0	0	1
Indicator value	**0**	**0**	**0**	**1**	**2**	**2**	**2**	**2**

Licensee Comments:

1Q/16: LER 2016-001

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	2.82E-09	-9.53E-11	3.64E-09	3.33E-09	3.57E-09	3.57E-09	3.57E-09	3.26E-09
URI (ΔCDF)	1.14E-07	1.22E-07	1.82E-07	1.27E-07	1.16E-07	1.16E-07	1.16E-07	1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**1.90E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**1.30E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

2Q/14: Run Failure 312063 B EDG STS KJ-015B, frequency unexpectedly and erratically increased when the output bkr was opened after an hour of full load operation. Soldered wire termination failed within the hydraulic actuator transducer (coil) circuit.

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)	1.19E-11	6.37E-11	-4.03E-12	7.90E-11	-7.97E-12	-2.04E-11	-3.03E-11	-1.36E-12
URI (ΔCDF)	-3.92E-10	-3.91E-10	-3.96E-10	-4.09E-10	-4.33E-10	-4.13E-10	-4.33E-10	-3.93E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-10**	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**	**-3.90E-10**

Licensee Comments:

3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	1.30E-07	8.39E-08	7.74E-08	5.95E-08	6.02E-08	5.94E-08	6.01E-08	6.57E-08
URI (ΔCDF)	1.80E-08	-5.84E-08	-5.77E-08	-5.51E-08	-6.19E-08	-6.28E-08	-6.30E-08	-6.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**2.50E-08**	**2.00E-08**	**4.40E-09**	**-1.70E-09**	**-3.40E-09**	**-2.90E-09**	**1.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-2.05E-09	1.99E-09	2.42E-09	3.23E-09	2.03E-09	3.50E-09	5.59E-09	4.70E-09
URI (ΔCDF)	-3.99E-08	-3.99E-08	-4.00E-08	-3.91E-08	-4.41E-08	-4.41E-08	-4.45E-08	-3.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	2.96E-08	2.92E-08	2.87E-08	3.03E-08	3.17E-08	2.99E-08	3.05E-08	2.80E-08
URI (ΔCDF)	-2.25E-08	-2.20E-08	-2.19E-08	-2.14E-08	-2.23E-08	-2.21E-08	-2.23E-08	-2.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-09**	**7.10E-09**	**6.80E-09**	**8.90E-09**	**9.40E-09**	**7.90E-09**	**8.20E-09**	**6.70E-09**

Licensee Comments: none

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	N/A	0.000300	0.000300	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400	0.000300	0.000400	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	N/A	0.000300	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	N/A	0.150	0.110	0.130	0.130	0.140	0.150	0.150	0.160	0.170	0.170	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**1.5**	**1.1**	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**
Reactor Coolant System Leakage	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum leakage	0.100	1.810	0.280	0.210	0.210	0.190	0.200	0.200	0.240	0.250	0.240	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	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**	**2.0**	**2.0**	**2.4**	**2.5**	**2.4**	**2.1**

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	37.0	41.0	65.0	128.0	21.0	23.0	18.0	36.0
Total opportunities	38.0	45.0	66.0	128.0	22.0	24.0	18.0	37.0
Indicator value	**96.1%**	**95.6%**	**95.5%**	**97.1%**	**97.2%**	**97.0%**	**97.7%**	**97.6%**

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	63.0	66.0	66.0	66.0	65.0	65.0	66.0	75.0
Total Key personnel	63.0	66.0	66.0	66.0	65.0	65.0	66.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	77	77	66	77	66	77	66	77
Total sirens-tests	77	77	66	77	66	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**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	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Licensee Comments:

1Q/16: LER 2016-001

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	-9.53E-11	3.64E-09	3.33E-09	3.57E-09	3.57E-09	3.57E-09	3.26E-09	2.76E-09
URI (ΔCDF)	1.22E-07	1.82E-07	1.27E-07	1.16E-07	1.16E-07	1.16E-07	1.28E-07	1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.90E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	6.37E-11	-4.03E-12	7.90E-11	-7.97E-12	-2.04E-11	-3.03E-11	-1.36E-12	-6.79E-11
URI (ΔCDF)	-3.91E-10	-3.96E-10	-4.09E-10	-4.33E-10	-4.13E-10	-4.33E-10	-3.93E-10	-3.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-10**	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**	**-3.90E-10**	**-4.30E-10**

Licensee Comments:

3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	8.39E-08	7.74E-08	5.95E-08	6.02E-08	5.94E-08	6.01E-08	6.57E-08	4.14E-08
URI (ΔCDF)	-5.84E-08	-5.77E-08	-5.51E-08	-6.19E-08	-6.28E-08	-6.30E-08	-6.44E-08	-5.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.00E-08**	**4.40E-09**	**-1.70E-09**	**-3.40E-09**	**-2.90E-09**	**1.30E-09**	**-1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.99E-09	2.42E-09	3.23E-09	2.03E-09	3.50E-09	5.59E-09	4.70E-09	5.13E-09
URI (ΔCDF)	-3.99E-08	-4.00E-08	-3.91E-08	-4.41E-08	-4.41E-08	-4.45E-08	-3.76E-08	-3.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	2.92E-08	2.87E-08	3.03E-08	3.17E-08	2.99E-08	3.05E-08	2.80E-08	2.23E-08
URI (ΔCDF)	-2.20E-08	-2.19E-08	-2.14E-08	-2.23E-08	-2.21E-08	-2.23E-08	-2.12E-08	-2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-09**	**6.80E-09**	**8.90E-09**	**9.40E-09**	**7.90E-09**	**8.20E-09**	**6.70E-09**	**1.60E-09**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000200	0.000300	0.000400	0.000300	0.000300	0.000400	0.000300	0.000400	N/A	N/A	0.000300	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.130	0.130	0.140	0.150	0.150	0.160	0.170	0.170	0	0.100	1.810	0.280
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**1.3**	**1.4**	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**
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	0.210	0.210	0.190	0.200	0.210	0.240	0.250	0.240	0.210	0.220	0.200	0.200
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.1**	**2.1**	**1.9**	**2.0**	**2.1**	**2.4**	**2.5**	**2.4**	**2.1**	**2.2**	**2.0**	**2.0**

Licensee Comments:

12/15: Data correction for 11-2015 Max RCS Leakage

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	41.0	65.0	128.0	21.0	23.0	18.0	36.0	27.0
Total opportunities	45.0	66.0	128.0	22.0	24.0	18.0	37.0	27.0
Indicator value	**95.6%**	**95.5%**	**97.1%**	**97.2%**	**97.0%**	**97.7%**	**97.6%**	**97.8%**

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	66.0	66.0	66.0	65.0	65.0	66.0	75.0	76.0
Total Key personnel	66.0	66.0	66.0	65.0	65.0	66.0	75.0	76.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	77	66	77	66	77	66	77	66
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**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	0	0	0	0	0	0	1.0
Critical hours	2209.0	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments:

3Q/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

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

Licensee Comments:

1Q/16: LER 2016-001

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	3.64E-09	3.33E-09	3.57E-09	3.57E-09	3.57E-09	3.26E-09	2.76E-09	2.83E-09
URI (ΔCDF)	1.82E-07	1.27E-07	1.16E-07	1.16E-07	1.16E-07	1.28E-07	1.28E-07	1.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**

Licensee Comments:

4Q/14: On October 9, 2014, the NRC verbally approved the request for a NOED to not enforce compliance with Required Action B.4.1 of Technical Specification 3.8.1, "AC Source - Operating," which required restoration of the "B" diesel generator (DG) within 72 hours of being declared inoperable. The NOED provided an additional 8 hours to complete the 24-hour endurance and margin test required by TS Surveillance Requirement 3.8.1.14. The "B" DG was restored to operable status at approximately 75 hours such that granting of the NOED potentially avoided an unplanned power change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-4.03E-12	7.90E-11	-7.97E-12	-2.04E-11	-3.06E-11	-1.63E-12	-6.82E-11	-2.38E-12
URI (ΔCDF)	-3.96E-10	-4.09E-10	-4.33E-10	-4.13E-10	-4.33E-10	-3.93E-10	-3.60E-10	-3.70E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-10**	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**

Licensee Comments:

4Q/15: Data error identified and corrected for the A train Safety Injection Pump (SIP). 2.63 hrs was corrected to 1.63 hrs.

3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	7.74E-08	5.95E-08	6.02E-08	5.92E-08	5.99E-08	6.56E-08	4.12E-08	3.25E-08
URI (ΔCDF)	-5.77E-08	-5.51E-08	-6.19E-08	-6.28E-08	-6.30E-08	-6.44E-08	-5.71E-08	-5.58E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**4.40E-09**	**-1.70E-09**	**-3.60E-09**	**-3.10E-09**	**1.20E-09**	**-1.60E-08**	**-2.30E-08**

Licensee Comments:

3Q/15: Responsible engineer miscalculated the 07/15 unavailability. This entry has been corrected.

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)	2.42E-09	3.23E-09	2.03E-09	3.50E-09	5.59E-09	4.70E-09	5.13E-09	9.25E-09
URI (ΔCDF)	-4.00E-08	-3.91E-08	-4.41E-08	-4.41E-08	-4.45E-08	-3.76E-08	-3.52E-08	-3.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	2.87E-08	3.03E-08	3.17E-08	2.99E-08	3.05E-08	2.80E-08	2.23E-08	1.92E-08
URI (ΔCDF)	-2.19E-08	-2.14E-08	-2.23E-08	-2.21E-08	-2.23E-08	-2.12E-08	-2.07E-08	-2.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-09**	**8.90E-09**	**9.40E-09**	**7.90E-09**	**8.20E-09**	**6.70E-09**	**1.60E-09**	**-2.80E-09**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000300	0.000300	0.000400	0.000300	0.000400	N/A	N/A	0.000300	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**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	0.150	0.150	0.160	0.170	0.170	0	0.100	1.810	0.280	0.210	0.210	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.5**	**1.6**	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**
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	0.200	0.210	0.240	0.250	0.240	0.210	0.220	0.200	0.200	0.210	0.210	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**2.1**	**2.4**	**2.5**	**2.4**	**2.1**	**2.2**	**2.0**	**2.0**	**2.1**	**2.1**	**2.3**

Licensee Comments:

12/15: Data correction for 11-2015 Max RCS Leakage

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	65.0	128.0	21.0	23.0	18.0	36.0	27.0	8.0
Total opportunities	66.0	128.0	22.0	24.0	18.0	37.0	27.0	8.0
Indicator value	**95.5%**	**97.1%**	**97.2%**	**97.0%**	**97.7%**	**97.6%**	**97.8%**	**98.8%**

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	66.0	66.0	65.0	65.0	66.0	75.0	76.0	82.0
Total Key personnel	66.0	66.0	65.0	65.0	66.0	75.0	76.0	82.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	66	77	66	77	66	77	66	66
Total sirens-tests	66	77	66	77	66	77	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.2%**

Licensee Comments:

3Q/16: August 2016 E-Plan siren failure due to county console failure.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0	1003.3
Indicator value	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**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	0	0	0	0	0	0	1.0	0
Critical hours	1392.0	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0	1003.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.0**

Licensee Comments:

3Q/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**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	1	1	0	0	1	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**2**	**1**	**1**	**1**

Licensee Comments:

1Q/16: LER 2016-001

2Q/15: LER 2015-002-00

1Q/15: LER 2015-001-00 issued 3/25/15 for loss of 2 RHR trains

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)	3.33E-09	3.57E-09	3.57E-09	3.57E-09	3.26E-09	2.76E-09	2.83E-09	3.11E-09
URI (ΔCDF)	1.27E-07	1.16E-07	1.16E-07	1.16E-07	1.28E-07	1.28E-07	1.29E-07	1.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.20E-07**	**1.20E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.20E-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)	7.90E-11	-7.97E-12	-2.04E-11	-3.06E-11	-1.63E-12	-6.82E-11	-2.38E-12	1.03E-11
URI (ΔCDF)	-4.09E-10	-4.33E-10	-4.13E-10	-4.33E-10	-3.93E-10	-3.60E-10	-3.70E-10	-4.10E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-10**	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**	**-4.00E-10**

Licensee Comments:

4Q/15: Data error identified and corrected for the A train Safety Injection Pump (SIP). 2.63 hrs was corrected to 1.63 hrs.

3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	5.95E-08	6.02E-08	5.92E-08	5.99E-08	6.56E-08	4.12E-08	3.25E-08	3.04E-08
URI (ΔCDF)	-5.51E-08	-6.19E-08	-6.28E-08	-6.30E-08	-6.44E-08	-5.71E-08	-5.58E-08	-5.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-09**	**-1.70E-09**	**-3.60E-09**	**-3.10E-09**	**1.20E-09**	**-1.60E-08**	**-2.30E-08**	**-2.70E-08**

Licensee Comments:

3Q/15: Responsible engineer miscalculated the 07/15 unavailability. This entry has been corrected.

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)	3.23E-09	2.03E-09	3.50E-09	5.59E-09	4.70E-09	5.13E-09	9.25E-09	3.50E-09
URI (ΔCDF)	-3.91E-08	-4.41E-08	-4.41E-08	-4.45E-08	-3.76E-08	-3.52E-08	-3.75E-08	-4.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**	**-4.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	3.03E-08	3.17E-08	2.99E-08	3.05E-08	2.80E-08	2.23E-08	1.92E-08	1.58E-08
URI (ΔCDF)	-2.14E-08	-2.23E-08	-2.21E-08	-2.23E-08	-2.12E-08	-2.07E-08	-2.19E-08	-2.27E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-09**	**9.40E-09**	**7.90E-09**	**8.20E-09**	**6.70E-09**	**1.60E-09**	**-2.80E-09**	**-6.90E-09**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000300	0.000400	N/A	N/A	0.000300	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**N/A**	**N/A**	**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	0.000700	0.000200	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	N/A	0.000200	0.000200
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.170	0.170	0	0.100	1.810	0.280	0.210	0.210	0.190	0.200	0.210	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.7**	**0**	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**	**2.0**	**2.1**	**2.4**
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	0.250	0.240	0.210	0.220	0.200	0.200	0.210	0.210	0.230	N/A	0.150	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.5**	**2.4**	**2.1**	**2.2**	**2.0**	**2.0**	**2.1**	**2.1**	**2.3**	**N/A**	**1.5**	**1.4**

Licensee Comments:

12/15: Data correction for 11-2015 Max RCS Leakage

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	128.0	21.0	23.0	18.0	36.0	27.0	8.0	14.0
Total opportunities	128.0	22.0	24.0	18.0	37.0	27.0	8.0	14.0
Indicator value	**97.1%**	**97.2%**	**97.0%**	**97.7%**	**97.6%**	**97.8%**	**98.8%**	**98.9%**

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	66.0	65.0	65.0	66.0	75.0	76.0	82.0	83.0
Total Key personnel	66.0	65.0	65.0	66.0	75.0	76.0	82.0	83.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	77	66	77	66	77	66	66	66
Total sirens-tests	77	66	77	66	77	66	77	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.2%**	**96.2%**

Licensee Comments:

3Q/16: August 2016 E-Plan siren failure due to county console failure.

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Wolf Creek – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0
Indicator value	**1.0**	**1.0**	**1.0**	**0.9**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1419.7	2208.0	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.0**	**1.0**

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Licensee Comments:
3Q/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	1	0	0	1	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**1**	**1**	**1**	**0**

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Licensee Comments:
1Q/16: LER 2016-001
2Q/15: LER 2015-002-00

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	3.57E-09	3.57E-09	3.57E-09	3.26E-09	2.76E-09	2.83E-09	3.11E-09	2.94E-09
URI (ΔCDF)	1.16E-07	1.16E-07	1.16E-07	1.28E-07	1.28E-07	1.29E-07	1.14E-07	1.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.20E-07**	**1.20E-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	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-7.97E-12	-2.04E-11	-3.06E-11	-1.63E-12	-6.82E-11	-2.38E-12	1.03E-11	-2.07E-11
URI (ΔCDF)	-4.33E-10	-4.13E-10	-4.33E-10	-3.93E-10	-3.60E-10	-3.70E-10	-4.10E-10	-3.95E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-10**	**-4.30E-10**	**-4.60E-10**	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**	**-4.00E-10**	**-4.20E-10**

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Licensee Comments:
4Q/15: Data error identified and corrected for the A train Safety Injection Pump (SIP). 2.63 hrs was corrected to 1.63 hrs.
3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	6.02E-08	5.92E-08	5.99E-08	6.56E-08	4.12E-08	3.25E-08	3.04E-08	3.20E-08
URI (ΔCDF)	-6.19E-08	-6.28E-08	-6.30E-08	-6.44E-08	-5.71E-08	-5.58E-08	-5.72E-08	-5.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-09**	**-3.60E-09**	**-3.10E-09**	**1.20E-09**	**-1.60E-08**	**-2.30E-08**	**-2.70E-08**	**-2.50E-08**

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Licensee Comments:
3Q/15: Responsible engineer miscalculated the 07/15 unavailability. This entry has been corrected.

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)	2.03E-09	3.50E-09	5.59E-09	4.70E-09	5.13E-09	9.25E-09	3.50E-09	3.20E-10
URI (ΔCDF)	-4.41E-08	-4.41E-08	-4.45E-08	-3.76E-08	-3.52E-08	-3.75E-08	-4.38E-08	-4.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**	**-4.00E-08**	**-4.10E-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)	3.17E-08	2.99E-08	3.05E-08	2.80E-08	2.23E-08	1.92E-08	1.58E-08	1.39E-08
URI (ΔCDF)	-2.23E-08	-2.21E-08	-2.23E-08	-2.12E-08	-2.07E-08	-2.19E-08	-2.27E-08	-2.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.40E-09**	**7.90E-09**	**8.20E-09**	**6.70E-09**	**1.60E-09**	**-2.80E-09**	**-6.90E-09**	**-8.60E-09**

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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	N/A	0.000300	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	N/A	0.000200	0.000200	0.000200	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments:
3/17: Indication of fuel defect present.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.100	1.810	0.280	0.210	0.210	0.190	0.200	0.210	0.240	0.250	0.240	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	**1.0**	**18.1**	**2.8**	**2.1**	**2.1**	**1.9**	**2.0**	**2.1**	**2.4**	**2.5**	**2.4**	**2.1**

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	0.220	0.200	0.200	0.210	0.210	0.230	N/A	0.150	0.140	0.150	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	**2.2**	**2.0**	**2.0**	**2.1**	**2.1**	**2.3**	**N/A**	**1.5**	**1.4**	**1.5**	**1.4**	**1.3**

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Licensee Comments:
12/15: Data correction for 11-2015 Max RCS Leakage

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	21.0	23.0	18.0	36.0	27.0	8.0	14.0	43.0
Total opportunities	22.0	24.0	18.0	37.0	27.0	8.0	14.0	44.0
Indicator value	**97.2%**	**97.0%**	**97.7%**	**97.6%**	**97.8%**	**98.8%**	**98.9%**	**97.9%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	65.0	65.0	66.0	75.0	76.0	82.0	83.0	77.0
Total Key personnel	65.0	65.0	66.0	75.0	76.0	82.0	83.0	77.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	66	77	66	77	66	66	66	88
Total sirens-tests	66	77	66	77	66	77	66	88
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.2%**	**96.2%**	**96.3%**

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Licensee Comments:
3Q/16: August 2016 E-Plan siren failure due to county console failure.

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

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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**

TOP

Licensee Comments: none

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

Current data as of: May 5, 2017

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Wolf Creek – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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- 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	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0	2184.0
Indicator value	**1.0**	**1.0**	**0.9**	**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	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**1.0**	**1.0**	**1.0**

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Licensee Comments:
3Q/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

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

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Licensee Comments:
1Q/16: LER 2016-001

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	3.57E-09	3.57E-09	3.26E-09	2.76E-09	2.83E-09	3.11E-09	2.94E-09	-5.80E-12
URI (ΔCDF)	1.16E-07	1.16E-07	1.28E-07	1.28E-07	1.29E-07	1.14E-07	1.14E-07	9.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**9.10E-08**

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Licensee Comments:
2Q/17: 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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-2.04E-11	-3.06E-11	-1.63E-12	-6.82E-11	-2.38E-12	1.03E-11	-2.07E-11	2.53E-11
URI (ΔCDF)	-4.13E-10	-4.33E-10	-3.93E-10	-3.60E-10	-3.70E-10	-4.10E-10	-3.95E-10	-1.01E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-10**	**-4.60E-10**	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**	**-4.00E-10**	**-4.20E-10**	**-9.80E-10**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).
4Q/15: Data error identified and corrected for the A train Safety Injection Pump (SIP). 2.63 hrs was corrected to 1.63 hrs.
3Q/15: Responsible engineer missed a surveillance entry in the EM system on valve EMHV8924. This entry has been corrected.

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)	5.92E-08	5.99E-08	6.56E-08	4.12E-08	3.25E-08	3.04E-08	3.20E-08	8.08E-08
URI (ΔCDF)	-6.28E-08	-6.30E-08	-6.44E-08	-5.71E-08	-5.58E-08	-5.72E-08	-5.67E-08	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-09**	**-3.10E-09**	**1.20E-09**	**-1.60E-08**	**-2.30E-08**	**-2.70E-08**	**-2.50E-08**	**-6.50E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).
3Q/15: Responsible engineer miscalculated the 07/15 unavailability. This entry has been corrected.

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)	3.50E-09	5.59E-09	4.70E-09	5.13E-09	9.25E-09	3.50E-09	3.20E-10	-7.49E-10
URI (ΔCDF)	-4.41E-08	-4.45E-08	-3.76E-08	-3.52E-08	-3.75E-08	-4.38E-08	-4.10E-08	-4.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**	**-4.00E-08**	**-4.10E-08**	**-4.50E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.99E-08	3.05E-08	2.80E-08	2.23E-08	1.92E-08	1.58E-08	1.39E-08	-1.29E-09
URI (ΔCDF)	-2.21E-08	-2.23E-08	-2.12E-08	-2.07E-08	-2.19E-08	-2.27E-08	-2.25E-08	-7.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.90E-09**	**8.20E-09**	**6.70E-09**	**1.60E-09**	**-2.80E-09**	**-6.90E-09**	**-8.60E-09**	**-8.00E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000200	0.000200	0.000200	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000300	0.000300	0.000300	N/A	0.000200	0.000200	0.000200	0.000300	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments:
3/17: Indication of fuel defect present.

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	0.210	0.210	0.190	0.200	0.210	0.240	0.250	0.240	0.210	0.220	0.200	0.200
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.1**	**2.1**	**1.9**	**2.0**	**2.1**	**2.4**	**2.5**	**2.4**	**2.1**	**2.2**	**2.0**	**2.0**

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	0.210	0.210	0.230	N/A	0.150	0.140	0.150	0.140	0.130	0.140	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	**2.1**	**2.1**	**2.3**	**N/A**	**1.5**	**1.4**	**1.5**	**1.4**	**1.3**	**1.4**	**1.3**	**1.3**

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Licensee Comments:
12/15: Data correction for 11-2015 Max RCS Leakage

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	23.0	18.0	36.0	27.0	8.0	14.0	43.0	49.0
Total opportunities	24.0	18.0	37.0	27.0	8.0	14.0	44.0	50.0
Indicator value	**97.0%**	**97.7%**	**97.6%**	**97.8%**	**98.8%**	**98.9%**	**97.9%**	**98.2%**

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Licensee Comments: none

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	65.0	66.0	75.0	76.0	82.0	83.0	77.0	80.0
Total Key personnel	65.0	66.0	75.0	76.0	82.0	83.0	77.0	80.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

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	77	66	77	66	66	66	88	66
Total sirens-tests	77	66	77	66	77	66	88	66
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.2%**	**96.2%**	**96.3%**	**96.3%**

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Licensee Comments:
3Q/16: August 2016 E-Plan siren failure due to county console failure.

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

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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

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United States Nuclear Regulatory Commission
Protecting People and the Environment

Wolf Creek – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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- Unplanned Power Changes per 7000 Critical Hours (IE03)
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- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0	2184.0	2208.0
Indicator value	**1.0**	**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	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	1524.0	1003.3	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.0**	**1.0**	**1.0**	**0**

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Licensee Comments:
3Q/17: On September 7, 2017, all MSSVs and ARVs were declared inoperable due to Wolf Creek not having a retrievable analysis proving that a single tornado driven design basis missile is not capable of affecting more than 2 ARVs. Entered TS 3.7.1 Condition C and TS 3.7.4 Condition C. Enforcement Guidance Memorandum (EGM) 15-002 has been implemented with a 60 day requirement to have more robust compensatory measures in place, along with the initial compensatory measures allowed by the guidance.
2Q/17: On April 5, 2017, both EDGs were identified as having unanalyzed conditions regarding the fuel oil truck connections outside the diesel building for tornado missile hazards. The 'A' and 'B' EDGs were declared inoperable due to Tornado-Generated Missile Protection Non-Compliance. Entered Technical Specification (TS) 3.8.1 Condition B and F. Enforcement Guidance Memorandum (EGM) 15-002 has been implemented with a 60 day requirement to have more robust compensatory measures in place, along with the initial compensatory measures allowed by the guidance.
3Q/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

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**

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

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Licensee Comments:
1Q/16: LER 2016-001

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)	3.57E-09	3.26E-09	2.76E-09	2.83E-09	3.11E-09	2.94E-09	-5.80E-12	-5.80E-12
URI (ΔCDF)	1.16E-07	1.28E-07	1.28E-07	1.29E-07	1.14E-07	1.14E-07	9.14E-08	9.09E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**9.10E-08**	**9.10E-08**

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Licensee Comments:
2Q/17: 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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-3.06E-11	-1.63E-12	-6.82E-11	-2.38E-12	1.03E-11	-2.07E-11	2.53E-11	-1.29E-10
URI (ΔCDF)	-4.33E-10	-3.93E-10	-3.60E-10	-3.70E-10	-4.10E-10	-3.95E-10	-1.01E-09	-9.95E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-10**	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**	**-4.00E-10**	**-4.20E-10**	**-9.80E-10**	**-1.10E-09**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).
4Q/15: Data error identified and corrected for the A train Safety Injection Pump (SIP). 2.63 hrs was corrected to 1.63 hrs.

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)	5.99E-08	6.56E-08	4.12E-08	3.25E-08	3.04E-08	3.20E-08	8.08E-08	8.99E-08
URI (ΔCDF)	-6.30E-08	-6.44E-08	-5.71E-08	-5.58E-08	-5.72E-08	-5.67E-08	-1.46E-07	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-09**	**1.20E-09**	**-1.60E-08**	**-2.30E-08**	**-2.70E-08**	**-2.50E-08**	**-6.50E-08**	**-5.60E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	5.59E-09	4.70E-09	5.13E-09	9.25E-09	3.50E-09	3.20E-10	-7.49E-10	-3.07E-09
URI (ΔCDF)	-4.45E-08	-3.76E-08	-3.52E-08	-3.75E-08	-4.38E-08	-4.10E-08	-4.38E-08	-4.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**	**-4.00E-08**	**-4.10E-08**	**-4.50E-08**	**-4.70E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	3.05E-08	2.80E-08	2.23E-08	1.92E-08	1.58E-08	1.39E-08	-1.29E-09	-1.16E-10
URI (ΔCDF)	-2.23E-08	-2.12E-08	-2.07E-08	-2.19E-08	-2.27E-08	-2.25E-08	-7.92E-08	-8.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-09**	**6.70E-09**	**1.60E-09**	**-2.80E-09**	**-6.90E-09**	**-8.60E-09**	**-8.00E-08**	**-8.10E-08**

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Licensee Comments:
2Q/17: Changed PRA Parameter(s).

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	0.000200	0.000200	0.000200	0.000700	0.000200	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**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	N/A	0.000200	0.000200	0.000200	0.000300	0.000300	0.000300	0.000300	0.000300	0.000300	0.001000	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

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Licensee Comments:
3/17: Indication of fuel defect present.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.200	0.210	0.240	0.250	0.240	0.210	0.220	0.200	0.200	0.210	0.210	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**2.1**	**2.4**	**2.5**	**2.4**	**2.1**	**2.2**	**2.0**	**2.0**	**2.1**	**2.1**	**2.3**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	N/A	0.150	0.140	0.150	0.140	0.130	0.140	0.130	0.130	0.140	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	**N/A**	**1.5**	**1.4**	**1.5**	**1.4**	**1.3**	**1.4**	**1.3**	**1.3**	**1.4**	**1.3**	**1.2**

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Licensee Comments:
12/15: Data correction for 11-2015 Max RCS Leakage

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	18.0	36.0	27.0	8.0	14.0	43.0	49.0	22.0
Total opportunities	18.0	37.0	27.0	8.0	14.0	44.0	50.0	24.0
Indicator value	**97.7%**	**97.6%**	**97.8%**	**98.8%**	**98.9%**	**97.9%**	**98.2%**	**97.7%**

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Licensee Comments: none

Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	66.0	75.0	76.0	82.0	83.0	77.0	80.0	82.0
Total Key personnel	66.0	75.0	76.0	82.0	83.0	77.0	80.0	82.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

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	66	77	66	66	66	88	66	77
Total sirens-tests	66	77	66	77	66	88	66	77
Indicator value	**100.0%**	**100.0%**	**100.0%**	**96.2%**	**96.2%**	**96.3%**	**96.3%**	**100.0%**

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Licensee Comments:
3Q/16: August 2016 E-Plan siren failure due to county console failure.

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

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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**

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Licensee Comments: none

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Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Wolf Creek 1 – Quarterly Performance Indicators

Q4/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

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	2184.0	1524.0	1003.3	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**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	0	1.0	0	0	0	0	0

Critical Hours	2183.0	2184.0	1524.0	1003.3	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**1.0**	**1.0**	**1.0**	**0**	**0**

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Licensee Comments:
Q3/17: On September 7, 2017, all MSSVs and ARVs were declared inoperable due to Wolf Creek not having a retrievable analysis proving that a single tornado driven design basis missile is not capable of affecting more than 2 ARVs. Entered TS 3.7.1 Condition C and TS 3.7.4 Condition C. Enforcement Guidance Memorandum (EGM) 15-002 has been implemented with a 60 day requirement to have more robust compensatory measures in place, along with the initial compensatory measures allowed by the guidance.
Q2/17: On April 5, 2017, both EDGs were identified as having unanalyzed conditions regarding the fuel oil truck connections outside the diesel building for tornado missile hazards. The 'A' and 'B' EDGs were declared inoperable due to Tornado-Generated Missile Protection Non-Compliance. Entered Technical Specification (TS) 3.8.1 Condition B and F. Enforcement Guidance Memorandum (EGM) 15-002 has been implemented with a 60 day requirement to have more robust compensatory measures in place, along with the initial compensatory measures allowed by the guidance.
Q3/16: Unit shutdown due to unidentified RCS leakage. The source of the leak was identified on Core Exit Thermocouple Nozzle Assembly (CETNA) penetration #77.

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

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Licensee Comments:
Q1/16: LER 2016-001

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)	3.26E-09	2.76E-09	2.83E-09	3.11E-09	2.94E-09	-5.80E-12	-5.80E-12	-3.86E-09
URI (ΔCDF)	1.28E-07	1.28E-07	1.29E-07	1.14E-07	1.14E-07	9.14E-08	9.09E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.20E-07**	**1.20E-07**	**9.10E-08**	**9.10E-08**	**-3.90E-08**

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Licensee Comments:
Q2/17: 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	**Q1/16**	**Q2/16**	**Q3/16**	**Q4/16**	**Q1/17**	**Q2/17**	**Q3/17**	**Q4/17**
UAI (ΔCDF)	-1.63E-12	-6.82E-11	-2.38E-12	1.03E-11	-2.07E-11	2.53E-11	-1.29E-10	-1.26E-10
URI (ΔCDF)	-3.96E-10	-3.63E-10	-3.73E-10	-4.13E-10	-3.97E-10	-1.01E-09	-9.98E-10	-9.87E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-10**	**-4.30E-10**	**-3.70E-10**	**-4.00E-10**	**-4.20E-10**	**-9.80E-10**	**-1.10E-09**	**-1.10E-09**

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Licensee Comments:
Q2/17: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

	Q1/16	**Q2/16**	**Q3/16**	**Q4/16**	**Q1/17**	**Q2/17**	**Q3/17**	**Q4/17**

Mitigating Systems Performance Index, Heat Removal System								
UAI (ΔCDF)	6.56E-08	4.12E-08	3.25E-08	3.04E-08	3.20E-08	8.08E-08	8.99E-08	8.04E-08
URI (ΔCDF)	-6.44E-08	-5.71E-08	-5.58E-08	-5.71E-08	-5.66E-08	-1.46E-07	-1.46E-07	-1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-09**	**-1.60E-08**	**-2.30E-08**	**-2.70E-08**	**-2.50E-08**	**-6.50E-08**	**-5.60E-08**	**-6.50E-08**

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Licensee Comments:
Q2/17: Changed PRA Parameter(s).

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)	4.70E-09	5.13E-09	9.25E-09	3.50E-09	8.11E-10	-2.00E-10	-2.52E-09	-2.42E-09
URI (ΔCDF)	-3.76E-08	-3.52E-08	-3.75E-08	-4.38E-08	-4.10E-08	-4.38E-08	-4.37E-08	-4.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-3.30E-08**	**-3.00E-08**	**-2.80E-08**	**-4.00E-08**	**-4.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**

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Licensee Comments:
Q2/17: Changed PRA Parameter(s).

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)	2.80E-08	2.23E-08	1.92E-08	1.58E-08	1.39E-08	-1.29E-09	-1.16E-10	2.16E-09
URI (ΔCDF)	-2.12E-08	-2.07E-08	-2.19E-08	-2.27E-08	-2.25E-08	-7.92E-08	-8.07E-08	-8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**6.70E-09**	**1.60E-09**	**-2.80E-09**	**-6.90E-09**	**-8.60E-09**	**-8.00E-08**	**-8.10E-08**	**-7.90E-08**

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Licensee Comments:
Q2/17: Changed PRA Parameter(s).

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%

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Thresholds: White > 1.0 Yellow > 3.0

Thresholds: White > 0.08

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