Comanche Peak 2

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	1.0	0	0	0	0
Critical hours	1834.0	1708.0	2208.0	2209.0	2184.0
Indicator value	**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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value				**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	0	1.0	0	0	0
Critical hours	1834.0	1708.0	2208.0	2209.0	2184.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	29.10	6.50	5.50	4.60	14.00
Unplanned unavailable hours	0	0	16.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	27.40	3.30	4.30	3.30	12.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value				**0.7%**	**0.7%**

Licensee Comments:

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/97: Insert zeros in fields previously left blank. NO IMPACT TO COLOR OF INDICATOR.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	25.90	18.20	1.60	6.90	13.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	14.10	1.70	3.40	13.10	12.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	6.30	0.80	0	0	0.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	1.70	0	1.10	1.70	0.80
Unplanned unavailable hours	0	0	0	0	0.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Indicator value				**0.4%**	**0.4%**

Licensee Comments:

1Q/97: Insert zeros in fields previously left blank. NO IMPACT TO COLOR OF INDICATOR.

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	2.40	28.80	2.30	9.50	4.10
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	1834.00	1708.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	2.30	19.30	1.70	2.80	1.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	23.80	31.60	4.10	11.80	1.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1834.00	1708.00	2208.00	2209.00	2184.00
Indicator value				**0.6%**	**0.6%**

Licensee Comments:

4Q/99:

1Q/97: Insert zeros in fields previously left blank. NO IMPACT TO COLOR OF INDICATOR.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.40	0.30	0.60	0.30	9.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	23.00	0.60	0.80	1.50	0.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value				**0.3%**	**0.3%**

Licensee Comments:

2Q/97:

1Q/97: Insert zeros in fields previously left blank. NO IMPACT TO COLOR OF INDICATOR.

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000112	0.000115	0.000155	0.000129	0.000130	0.000153	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	20.0	94.0	10.0	0	28.0
Total opportunities	20.0	95.0	10.0	0	28.0
Indicator value				**98.9%**	**99.0%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				62.0	65.0
Total Key personnel				67.0	67.0
Indicator value				**92.5%**	**97.0%**

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	198	192	196	191	189
Total sirens-tests	203	198	198	198	198
Indicator value	**95.0%**	**96.8%**	**97.3%**	**97.5%**	**97.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	89.60	88.80	63.70	104.10	103.10
CCTV compensatory hours	25.7	0.5	0.6	56.1	8.3
IDS normalization factor	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value				**0.012**	**0.012**

Licensee Comments:

1Q/00: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

4Q/99: Changes to CCTV and IDS comp hours for all 4 quarters in 1999 - NO CHANGE IN INDICATOR COLOR -- Improved data collection techniques have resulted in a review and backfit of previous data for consistancy.

3Q/99: Changes to CCTV and IDS comp hours for all 4 quarters in 1999 - NO CHANGE IN INDICATOR COLOR -- Improved data collection techniques have resulted in a review and backfit of previous data for consistancy.

3Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

2Q/99: Changes to CCTV and IDS comp hours for all 4 quarters in 1999 - NO CHANGE IN INDICATOR COLOR -- Improved data collection techniques have resulted in a review and backfit of previous data for consistancy.

1Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

1Q/99: Changes to CCTV and IDS comp hours for all 4 quarters in 1999 - NO CHANGE IN INDICATOR COLOR -- Improved data collection techniques have resulted in a review and backfit of previous data for consistancy.

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

Comanche Peak 2

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	1708.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	1.0	0	0	0	0
Critical hours	1708.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	6.50	5.50	4.60	14.00	17.00
Unplanned unavailable hours	0	16.30	0	0	7.20
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	3.30	4.30	3.30	12.80	17.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.7%**	**0.7%**	**0.6%**

Licensee Comments:

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	18.20	1.60	6.90	13.40	17.50
Unplanned unavailable hours	0	0	0	0	0.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	1.70	3.40	13.10	12.30	9.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	0.80	0	0	0.30	6.10
Unplanned unavailable hours	0	0	0	0	0.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0	1.10	1.70	0.80	7.40
Unplanned unavailable hours	0	0	0	0.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.4%**	**0.4%**	**0.4%**

Licensee Comments:

2Q/00: Initial LCO screening identified scope of work incorrectly. Train B planned unavailable time revised by 5.1 hours. NO IMPACT TO INDICATOR COLOR.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	28.80	2.30	9.50	4.10	11.20
Unplanned unavailable hours	0	0	0	0	0.20
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	19.30	1.70	2.80	1.60	1.70
Unplanned unavailable hours	0	0	0	0	0.20
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	31.60	4.10	11.80	1.60	7.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1708.00	2208.00	2209.00	2184.00	2183.00

Indicator value			**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/99**	**3Q/99**	**4Q/99**	**1Q/00**	**2Q/00**
Train 1					
Planned unavailable hours	0.30	0.60	0.30	9.50	2.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0.60	0.80	1.50	0.40	19.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000129	0.000130	0.000153	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	94.0	10.0	0	28.0	7.0
Total opportunities	95.0	10.0	0	28.0	8.0
Indicator value			**98.9%**	**99.0%**	**99.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			62.0	65.0	62.0
Total Key personnel			67.0	67.0	65.0
Indicator value			**92.5%**	**97.0%**	**95.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	192	196	191	189	194
Total sirens-tests	198	198	198	198	198
Indicator value	**96.8%**	**97.3%**	**97.5%**	**97.0%**	**97.2%**

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	88.80	63.70	104.10	103.10	73.70
CCTV compensatory hours	0.5	0.6	56.1	8.3	8.3
IDS normalization factor	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value			**0.012**	**0.012**	**0.012**

Licensee Comments:

2Q/00: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

1Q/00: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

3Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

1Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

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

Comanche Peak 2

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2195.5
Indicator value	**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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value		**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2195.5
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	5.50	4.60	14.00	17.00	19.00
Unplanned unavailable hours	16.30	0	0	7.20	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	4.30	3.30	12.80	17.60	2.40
Unplanned unavailable hours	0	0	0	0	64.90
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%**	**0.7%**	**0.6%**	**0.8%**

Licensee Comments:

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	1.60	6.90	13.40	17.50	3.10
Unplanned unavailable hours	0	0	0	0.50	12.70
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	2195.50
Train 2					
Planned unavailable hours	3.40	13.10	12.30	9.30	1.50
Unplanned unavailable hours	0	0	0	0	0.10
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	2195.50
Train 3					
Planned unavailable hours	0	0	0.30	6.10	0
Unplanned unavailable hours	0	0	0	0.50	2.60
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	2195.50
Train 4					
Planned unavailable hours	1.10	1.70	0.80	7.40	0
Unplanned unavailable hours	0	0	0.30	0	0.70
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	2195.50
Indicator value		**0.4%**	**0.4%**	**0.4%**	**0.3%**

Licensee Comments:

2Q/00: Initial LCO screening identified scope of work incorrectly. Train B planned unavailable time revised by 5.1 hours. NO IMPACT TO INDICATOR COLOR.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	2.30	9.50	4.10	11.20	40.60
Unplanned unavailable hours	0	0	0	0.20	15.80
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	2195.50
Train 2					
Planned unavailable hours	1.70	2.80	1.60	1.70	17.90
Unplanned unavailable hours	0	0	0	0.20	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	2195.50
Train 3					
Planned unavailable hours	4.10	11.80	1.60	7.50	2.50
Unplanned unavailable hours	0	0	0	0	13.60
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	2195.50

Indicator value		**0.6%**	**0.6%**	**0.5%**	**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.60	0.30	9.50	2.40	9.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	0.80	1.50	0.40	19.00	1.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		**0.3%**	**0.3%**	**0.3%**	**0.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	10.0	0	28.0	7.0	87.0
Total opportunities	10.0	0	28.0	8.0	88.0
Indicator value		**98.9%**	**99.0%**	**99.0%**	**98.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		62.0	65.0	62.0	65.0
Total Key personnel		67.0	67.0	65.0	66.0
Indicator value		**92.5%**	**97.0%**	**95.4%**	**98.5%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	196	191	189	194	195
Total sirens-tests	198	198	198	198	198
Indicator value	**97.3%**	**97.5%**	**97.0%**	**97.2%**	**97.1%**

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	63.70	104.10	103.10	73.70	67.90
CCTV compensatory hours	0.6	56.1	8.3	8.3	11.0
IDS normalization factor	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value		**0.012**	**0.012**	**0.012**	**0.012**

Licensee Comments:

2Q/00: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

1Q/00: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

3Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

1Q/99: Minor changes due to internal review - NO CHANGE IN INDICATOR COLOR

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: March 29, 2002

Comanche Peak 2

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	0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5
Indicator value	**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/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	0	0	0	0	1.0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5
Indicator value	**0.9**	**0.8**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	4.60	14.00	17.00	19.00	3.90
Unplanned unavailable hours	0	0	7.20	0	20.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	3.30	12.80	17.60	2.40	3.60
Unplanned unavailable hours	0	0	0	64.90	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%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**

Licensee Comments:

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	6.90	13.40	17.50	3.10	11.50
Unplanned unavailable hours	0	0	0.50	12.70	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	2195.50	1392.50
Train 2					
Planned unavailable hours	13.10	12.30	9.30	1.50	0.80
Unplanned unavailable hours	0	0	0	0.10	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	2195.50	1392.50
Train 3					
Planned unavailable hours	0	0.30	6.10	0	0
Unplanned unavailable hours	0	0	0.50	2.60	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	2195.50	1392.50
Train 4					
Planned unavailable hours	1.70	0.80	7.40	0	0
Unplanned unavailable hours	0	0.30	0	0.70	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	2195.50	1392.50
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	9.50	4.10	11.20	40.60	30.60
Unplanned unavailable hours	0	0	0.20	15.80	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	2195.50	1392.50
Train 2					
Planned unavailable hours	2.80	1.60	1.70	17.90	1.70
Unplanned unavailable hours	0	0	0.20	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	2195.50	1392.50
Train 3					
Planned unavailable hours	11.80	1.60	7.50	2.50	1.50
Unplanned unavailable hours	0	0	0	13.60	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	2195.50	1392.50
Indicator value	**0.6%**	**0.6%**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0.30	9.50	2.40	9.80	8.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	1.50	0.40	19.00	1.30	35.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.3%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Safety System Functional Failures	0	0	0	0	0
Indicator value	**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	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226	0	0.000105	0.000105
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	0	28.0	7.0	87.0	0
Total opportunities	0	28.0	8.0	88.0	0
Indicator value	**98.9%**	**99.0%**	**99.0%**	**98.9%**	**98.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	62.0	65.0	62.0	65.0	65.0
Total Key personnel	67.0	67.0	65.0	66.0	66.0
Indicator value	**92.5%**	**97.0%**	**95.4%**	**98.5%**	**98.5%**

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	191	189	194	195	197
Total sirens-tests	198	198	198	198	198
Indicator value	**97.5%**	**97.0%**	**97.2%**	**97.1%**	**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
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	104.10	103.10	73.70	67.90	83.90
CCTV compensatory hours	56.1	8.3	8.3	11.0	5.8
IDS normalization factor	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.012**	**0.012**	**0.010**

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
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Last Modified: March 28, 2002

Comanche Peak 2

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	0	0	0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0
Indicator value	**0.9**	**0.8**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	4.60	14.00	17.00	19.00	3.90	6.50
Unplanned unavailable hours	0	0	7.20	0	20.80	6.00
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	3.30	12.80	17.60	2.40	3.60	19.40
Unplanned unavailable hours	0	0	0	64.90	0	5.30
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%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.8%**

Licensee Comments:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	6.90	13.40	17.50	3.10	11.50	20.30
Unplanned unavailable hours	0	0	0.50	12.70	0	6.00
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	2195.50	1392.50	2160.00
Train 2						
Planned unavailable hours	13.10	12.30	9.30	1.50	0.80	39.80
Unplanned unavailable hours	0	0	0	0.10	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00
Train 3						
Planned unavailable hours	0	0.30	6.10	0	0	25.00
Unplanned unavailable hours	0	0	0.50	2.60	0	6.40
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	2195.50	1392.50	2160.00
Train 4						
Planned unavailable hours	1.70	0.80	7.40	0	0	16.30
Unplanned unavailable hours	0	0.30	0	0.70	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	2195.50	1392.50	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.4%**

Licensee Comments:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/01: Data was previously summarized as two trains. Data is now reported as 4 trains per NEI-99-02, rev 0, and is consistent with other 4-loop Westinghouse units. Data has been backfit to 1997. The PI now reflects the correct value which is half of the previously calculated PI number.

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	9.50	4.10	11.20	40.60	30.60	4.30
Unplanned unavailable hours	0	0	0.20	15.80	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	2195.50	1392.50	2160.00
Train 2						
Planned unavailable hours	2.80	1.60	1.70	17.90	1.70	19.80
Unplanned unavailable hours	0	0	0.20	0	0	6.00
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	2195.50	1392.50	2160.00
Train 3						
Planned unavailable hours	11.80	1.60	7.50	2.50	1.50	5.80
Unplanned unavailable hours	0	0	0	13.60	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	2195.50	1392.50	2160.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**
Train 1						
Planned unavailable hours	0.30	9.50	2.40	9.80	8.00	30.00
Unplanned unavailable hours	0	0	0	0	0	6.00
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	1.50	0.40	19.00	1.30	35.40	10.40
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	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.3%**	**0.4%**

Licensee Comments:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0	0.000105	0.000105	0.000110	0.000119	0.000120
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0	0	0	0	0	0.976
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**9.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	0	28.0	7.0	87.0	0	0
Total opportunities	0	28.0	8.0	88.0	0	0
Indicator value	**98.9%**	**99.0%**	**99.0%**	**98.9%**	**98.8%**	**98.7%**

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	62.0	65.0	62.0	65.0	65.0	63.0
Total Key personnel	67.0	67.0	65.0	66.0	66.0	66.0
Indicator value	**92.5%**	**97.0%**	**95.4%**	**98.5%**	**98.5%**	**95.5%**

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	191	189	194	195	197	196
Total sirens-tests	198	198	198	198	198	198
Indicator value	**97.5%**	**97.0%**	**97.2%**	**97.1%**	**97.9%**	**98.7%**

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	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	104.10	103.10	73.70	67.90	83.90	142.10
CCTV compensatory hours	56.1	8.3	8.3	11.0	5.8	4.7
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.012**	**0.012**	**0.010**	**0.011**

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
Program failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Last Modified: March 28, 2002

Comanche Peak 2

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0
Indicator value	**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	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	0	0	0	0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0
Indicator value	**0.9**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	4.60	14.00	17.00	19.00	3.90	6.50	2.80
Unplanned unavailable hours	0	0	7.20	0	20.80	6.00	32.50
Fault exposure hours	0	0	0	0	0	0	334.30
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	3.30	12.80	17.60	2.40	3.60	19.40	19.30
Unplanned unavailable hours	0	0	0	64.90	0	5.30	4.80
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%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.8%**	**1.5%**

Licensee Comments:

2Q/01: Changes to the 2nd Quarter 2001 SSU-Emergency AC Power data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	6.90	13.40	17.50	3.10	11.50	20.30	1.60
Unplanned unavailable hours	0	0	0.50	12.70	0	6.00	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	2195.50	1392.50	2160.00	2183.00
Train 2							
Planned unavailable hours	13.10	12.30	9.30	1.50	0.80	39.80	19.00
Unplanned unavailable hours	0	0	0	0.10	0	0	6.40
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00
Train 3							
Planned unavailable hours	0	0.30	6.10	0	0	25.00	0.60
Unplanned unavailable hours	0	0	0.50	2.60	0	6.40	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	2195.50	1392.50	2160.00	2183.00
Train 4							
Planned unavailable hours	1.70	0.80	7.40	0	0	16.30	4.90
Unplanned unavailable hours	0	0.30	0	0.70	0	0	6.40
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00

Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**

Licensee Comments:

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-High Pressure Injection system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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	9.50	4.10	11.20	40.60	30.60	4.30	13.00
Unplanned unavailable hours	0	0	0.20	15.80	0	0	3.30
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	2195.50	1392.50	2160.00	2183.00
Train 2							
Planned unavailable hours	2.80	1.60	1.70	17.90	1.70	19.80	2.20
Unplanned unavailable hours	0	0	0.20	0	0	6.00	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	2195.50	1392.50	2160.00	2183.00
Train 3							
Planned unavailable hours	11.80	1.60	7.50	2.50	1.50	5.80	6.60
Unplanned unavailable hours	0	0	0	13.60	0	0	6.60
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	2195.50	1392.50	2160.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments:

2Q/01: Changes to the 2nd Quarter 2001 SSU-Heat Removal system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0.30	9.50	2.40	9.80	8.00	30.00	12.70

Unplanned unavailable hours	0	0	0	0	0	6.00	17.40
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	1.50	0.40	19.00	1.30	35.40	10.40	5.40
Unplanned unavailable hours	0	0	0	0	0	0	6.40
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.3%**	**0.4%**	**0.4%**

Licensee Comments:

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-Residual Heat Removal data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/99**	**11/99**	**12/99**	**1/00**	**2/00**	**3/00**	**4/00**	**5/00**	**6/00**	**7/00**	**8/00**	**9/00**
Maximum activity	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**
Maximum activity	0	0.000105	0.000105	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

6/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

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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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0	0	0	0	0	0.976	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**9.8**	**0**	**0**	**0**

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	0	28.0	7.0	87.0	0	0	0
Total opportunities	0	28.0	8.0	88.0	0	0	0
Indicator value	**98.9%**	**99.0%**	**99.0%**	**98.9%**	**98.8%**	**98.7%**	**98.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	62.0	65.0	62.0	65.0	65.0	63.0	62.0
Total Key personnel	67.0	67.0	65.0	66.0	66.0	66.0	67.0
Indicator value	**92.5%**	**97.0%**	**95.4%**	**98.5%**	**98.5%**	**95.5%**	**92.5%**

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	191	189	194	195	197	196	195
Total sirens-tests	198	198	198	198	198	198	198
Indicator value	**97.5%**	**97.0%**	**97.2%**	**97.1%**	**97.9%**	**98.7%**	**98.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	104.10	103.10	73.70	67.90	83.90	142.10	98.60
CCTV compensatory hours	56.1	8.3	8.3	11.0	5.8	4.7	29.9
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.012**	**0.012**	**0.010**	**0.011**	**0.012**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Last Modified: March 27, 2002

Comanche Peak 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6
Indicator value	**0.9**	**0**	**0**	**0**	**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	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	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6
Indicator value	**0.9**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	4.60	14.00	17.00	19.00	3.90	6.50	2.80	2.50
Unplanned unavailable hours	0	0	7.20	0	20.80	6.00	32.50	18.40
Fault exposure hours	0	0	0	0	0	0	334.30	333.80
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	3.30	12.80	17.60	2.40	3.60	19.40	19.30	5.80
Unplanned unavailable hours	0	0	0	64.90	0	5.30	4.80	1.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.8%**	**1.5%**	**2.1%**

Licensee Comments:

2Q/01: Changes to the 2nd Quarter 2001 SSU-Emergency AC Power data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	6.90	13.40	17.50	3.10	11.50	20.30	1.60	56.20
Unplanned unavailable hours	0	0	0.50	12.70	0	6.00	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	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Train 2								
Planned unavailable hours	13.10	12.30	9.30	1.50	0.80	39.80	19.00	9.90
Unplanned unavailable hours	0	0	0	0.10	0	0	6.40	1.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Train 3								
Planned unavailable hours	0	0.30	6.10	0	0	25.00	0.60	49.60
Unplanned unavailable hours	0	0	0.50	2.60	0	6.40	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	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Train 4								
Planned unavailable hours	1.70	0.80	7.40	0	0	16.30	4.90	7.40
Unplanned unavailable hours	0	0.30	0	0.70	0	0	6.40	1.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60

Indicator value	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.5%

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-High Pressure Injection system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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	9.50	4.10	11.20	40.60	30.60	4.30	13.00	5.80
Unplanned unavailable hours	0	0	0.20	15.80	0	0	3.30	1.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Train 2								
Planned unavailable hours	2.80	1.60	1.70	17.90	1.70	19.80	2.20	52.50

Unplanned unavailable hours	0	0	0.20	0	0	6.00	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	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Train 3								
Planned unavailable hours	11.80	1.60	7.50	2.50	1.50	5.80	6.60	9.50
Unplanned unavailable hours	0	0	0	13.60	0	0	6.60	1.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-Heat Removal system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0.30	9.50	2.40	9.80	8.00	30.00	12.70	53.30
Unplanned unavailable hours	0	0	0	0	0	6.00	17.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.50	0.40	19.00	1.30	35.40	10.40	5.40	24.40
Unplanned unavailable hours	0	0	0	0	0	0	6.40	1.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-Residual Heat Removal data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000146	0.000140	0.000168	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0	0.000105	0.000105	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

6/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0	0	0	0	0	0.976	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**9.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	0	28.0	7.0	87.0	0	0	0	47.0
Total opportunities	0	28.0	8.0	88.0	0	0	0	50.0
Indicator value	**98.9%**	**99.0%**	**99.0%**	**98.9%**	**98.8%**	**98.7%**	**98.5%**	**97.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	62.0	65.0	62.0	65.0	65.0	63.0	62.0	63.0
Total Key personnel	67.0	67.0	65.0	66.0	66.0	66.0	67.0	67.0
Indicator value	**92.5%**	**97.0%**	**95.4%**	**98.5%**	**98.5%**	**95.5%**	**92.5%**	**94.0%**

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	191	189	194	195	197	196	195	194
Total sirens-tests	198	198	198	198	198	198	198	198
Indicator value	**97.5%**	**97.0%**	**97.2%**	**97.1%**	**97.9%**	**98.7%**	**98.9%**	**98.7%**

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	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

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	104.10	103.10	73.70	67.90	83.90	142.10	98.60	28.00
CCTV compensatory hours	56.1	8.3	8.3	11.0	5.8	4.7	29.9	49.5
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.012**	**0.012**	**0.010**	**0.011**	**0.012**	**0.013**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Last Modified: March 26, 2002

Comanche Peak 2

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	0	0	0	0	1.0	0
Critical hours	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	0	0	0	0
Critical hours	2184.0	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0
Indicator value	**0.8**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	14.00	17.00	19.00	3.90	6.50	2.80	2.50	5.70
Unplanned unavailable hours	0	7.20	0	20.80	6.00	32.50	18.40	0
Fault exposure hours	0	0	0	0	0	334.30	333.80	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.80	17.60	2.40	3.60	19.40	19.30	5.80	5.50
Unplanned unavailable hours	0	0	64.90	0	5.30	4.80	1.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.8%**	**1.5%**	**2.1%**	**2.1%**

Licensee Comments:

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	13.40	17.50	3.10	11.50	20.30	1.60	56.20	5.10
Unplanned unavailable hours	0	0.50	12.70	0	6.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Train 2								
Planned unavailable hours	12.30	9.30	1.50	0.80	39.80	19.00	9.90	10.70
Unplanned unavailable hours	0	0	0.10	0	0	6.40	1.60	6.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Train 3								
Planned unavailable hours	0.30	6.10	0	0	25.00	0.60	49.60	4.90
Unplanned unavailable hours	0	0.50	2.60	0	6.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Train 4								
Planned unavailable hours	0.80	7.40	0	0	16.30	4.90	7.40	9.30
Unplanned unavailable hours	0.30	0	0.70	0	0	6.40	1.60	6.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Indicator value	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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	4.10	11.20	40.60	30.60	4.30	13.00	5.80	17.70
Unplanned unavailable hours	0	0.20	15.80	0	0	3.30	1.10	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	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Train 2								
Planned unavailable hours	1.60	1.70	17.90	1.70	19.80	2.20	52.50	22.60
Unplanned unavailable hours	0	0.20	0	0	6.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Train 3								
Planned unavailable hours	1.60	7.50	2.50	1.50	5.80	6.60	9.50	13.00
Unplanned unavailable hours	0	0	13.60	0	0	6.60	1.60	6.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00
Indicator value	**0.6%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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	9.50	2.40	9.80	8.00	30.00	12.70	53.30	16.80
Unplanned unavailable hours	0	0	0	0	6.00	17.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.40	19.00	1.30	35.40	10.40	5.40	24.40	20.30
Unplanned unavailable hours	0	0	0	0	0	6.40	1.60	6.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.3%**	**0.3%**	**0.2%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.6%**

Licensee Comments:

3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000152	0.000159	0.000160	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226	0	0.000105	0.000105
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154
Technical specification limit	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

6/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0.976	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**9.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	28.0	7.0	87.0	0	0	0	47.0	31.0
Total opportunities	28.0	8.0	88.0	0	0	0	50.0	32.0
Indicator value	**99.0%**	**99.0%**	**98.9%**	**98.8%**	**98.7%**	**98.5%**	**97.1%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	65.0	62.0	65.0	65.0	63.0	62.0	63.0	62.0
Total Key personnel	67.0	65.0	66.0	66.0	66.0	67.0	67.0	66.0
Indicator value	**97.0%**	**95.4%**	**98.5%**	**98.5%**	**95.5%**	**92.5%**	**94.0%**	**93.9%**

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	189	194	195	197	196	195	194	191
Total sirens-tests	198	198	198	198	198	198	198	198
Indicator value	**97.0%**	**97.2%**	**97.1%**	**97.9%**	**98.7%**	**98.9%**	**98.7%**	**98.0%**

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	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

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	103.10	73.70	67.90	83.90	142.10	98.60	28.00	64.30
CCTV compensatory hours	8.3	8.3	11.0	5.8	4.7	29.9	49.5	2.6
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.012**	**0.010**	**0.011**	**0.012**	**0.013**	**0.012**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Last Modified: March 15, 2002

Comanche Peak 2

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	0	0	0	0	0
Critical hours	2183.0	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8
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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	17.00	19.00	3.90	6.50	2.80	2.50	5.70	9.00
Unplanned unavailable hours	7.20	0	20.80	6.00	32.50	18.40	0	0
Fault exposure hours	0	0	0	0	334.30	333.80	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	17.60	2.40	3.60	19.40	19.30	5.80	5.50	13.80
Unplanned unavailable hours	0	64.90	0	5.30	4.80	1.00	0	14.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.8%**	**0.7%**	**0.8%**	**1.5%**	**2.1%**	**2.1%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	17.50	3.10	11.50	20.30	1.60	56.20	5.10	19.00
Unplanned unavailable hours	0.50	12.70	0	6.00	0	0	0	6.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Train 2								
Planned unavailable hours	9.30	1.50	0.80	39.80	19.00	9.90	10.70	6.50
Unplanned unavailable hours	0	0.10	0	0	6.40	1.60	6.40	13.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Train 3								
Planned unavailable hours	6.10	0	0	25.00	0.60	49.60	4.90	6.30
Unplanned unavailable hours	0.50	2.60	0	6.40	0	0	0	6.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Train 4								
Planned unavailable hours	7.40	0	0	16.30	4.90	7.40	9.30	6.00
Unplanned unavailable hours	0	0.70	0	0	6.40	1.60	6.40	13.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Indicator value	**0.4%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments:

1Q/02: CCP 2-01 & SIP 2-01 each had 19.2 (T/2) Fault Exposure Hours in March 2002 due to Componant Cooling Water Pump Failure (Indirect Support Sys).

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	11.20	40.60	30.60	4.30	13.00	5.80	17.70	29.70
Unplanned unavailable hours	0.20	15.80	0	0	3.30	1.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Train 2								
Planned unavailable hours	1.70	17.90	1.70	19.80	2.20	52.50	22.60	8.40
Unplanned unavailable hours	0.20	0	0	6.00	0	0	0	6.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Train 3								
Planned unavailable hours	7.50	2.50	1.50	5.80	6.60	9.50	13.00	17.60
Unplanned unavailable hours	0	13.60	0	0	6.60	1.60	6.40	15.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments:

1Q/02: MDAFWP 2-01 had 19.2 (T/2) Fault Exposure Hours in March 2002 due to Componant Cooling Water Pump Failure (Indirect Support System).

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	2.40	9.80	8.00	30.00	12.70	53.30	16.80	4.40
Unplanned unavailable hours	0	0	0	6.00	17.40	0	0	6.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	19.00	1.30	35.40	10.40	5.40	24.40	20.30	6.60
Unplanned unavailable hours	0	0	0	0	6.40	1.60	6.40	13.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.3%**	**0.2%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments:

1Q/02: RHR 2-01 had 19.2 (T/2) Fault Exposure Hours in March 2002 due to Componant Cooling Water Pump Failure (Direct Support System).

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000184	0.000192	0.000186	0.000181	0.000211	0.000226	0	0.000105	0.000105	0.000110	0.000119	0.000120
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154	0.000166	0.000140	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0	0	0	0	0	0	0	0	0	0	0.976
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9.8**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	7.0	87.0	0	0	0	47.0	29.0	5.0
Total opportunities	8.0	88.0	0	0	0	50.0	32.0	6.0
Indicator value	**99.0%**	**98.9%**	**98.8%**	**98.7%**	**98.5%**	**97.1%**	**96.1%**	**95.1%**

Licensee Comments:

4Q/01: Minor data correction is due to an internal review of the data. There is no impact to the PI or the color of the indicator.

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	62.0	65.0	65.0	63.0	62.0	62.0	62.0	62.0
Total Key personnel	65.0	66.0	66.0	66.0	67.0	66.0	66.0	64.0
Indicator value	**95.4%**	**98.5%**	**98.5%**	**95.5%**	**92.5%**	**93.9%**	**93.9%**	**96.9%**

Licensee Comments:

3Q/01: Minor data correction is due to an internal review of the data. There is no impact to the PI or the color of the indicator.

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	194	195	197	196	195	194	191	194
Total sirens-tests	198	198	198	198	198	198	198	198
Indicator value	**97.2%**	**97.1%**	**97.9%**	**98.7%**	**98.9%**	**98.7%**	**98.0%**	**97.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	73.70	67.90	83.90	142.10	98.60	28.00	64.30	550.50
CCTV compensatory hours	8.3	11.0	5.8	4.7	29.9	49.5	2.6	12.2
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.012**	**0.010**	**0.011**	**0.012**	**0.013**	**0.012**	**0.023**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: May 1, 2002

Comanche Peak 2

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	0	0	0	1.0	0	0	1.0
Critical hours	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**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/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

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	1.0	0	0	0	0	0	1.0
Critical hours	2195.5	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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	19.00	3.90	6.50	2.80	2.50	5.70	9.00	5.40
Unplanned unavailable hours	0	20.80	6.00	32.50	18.40	0	0	0
Fault exposure hours	0	0	0	334.30	333.80	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	2.40	3.60	19.40	19.30	5.80	5.50	13.80	2.90
Unplanned unavailable hours	64.90	0	5.30	4.80	1.00	0	14.40	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.8%**	**0.7%**	**0.8%**	**1.5%**	**2.1%**	**2.1%**	**2.0%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	3.10	11.50	20.30	1.60	56.20	5.10	19.00	37.50
Unplanned unavailable hours	12.70	0	6.00	0	0	0	6.60	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	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Train 2								
Planned unavailable hours	1.50	0.80	39.80	19.00	9.90	10.70	6.50	13.70
Unplanned unavailable hours	0.10	0	0	6.40	1.60	6.40	13.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Train 3								
Planned unavailable hours	0	0	25.00	0.60	49.60	4.90	6.30	35.10
Unplanned unavailable hours	2.60	0	6.40	0	0	0	6.60	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	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Train 4								
Planned unavailable hours	0	0	16.30	4.90	7.40	9.30	6.00	1.40
Unplanned unavailable hours	0.70	0	0	6.40	1.60	6.40	13.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Indicator value	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments:

2Q/02:

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	40.60	30.60	4.30	13.00	5.80	17.70	29.70	72.60
Unplanned unavailable hours	15.80	0	0	3.30	1.10	0	0	35.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Train 2								
Planned unavailable hours	17.90	1.70	19.80	2.20	52.50	22.60	8.40	36.00
Unplanned unavailable hours	0	0	6.00	0	0	0	6.60	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	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Train 3								
Planned unavailable hours	2.50	1.50	5.80	6.60	9.50	13.00	17.60	7.50
Unplanned unavailable hours	13.60	0	0	6.60	1.60	6.40	15.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2195.50	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**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	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	9.80	8.00	30.00	12.70	53.30	16.80	4.40	36.70
Unplanned unavailable hours	0	0	6.00	17.40	0	0	6.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								

Planned unavailable hours	1.30	35.40	10.40	5.40	24.40	20.30	6.60	1.70
Unplanned unavailable hours	0	0	0	6.40	1.60	6.40	13.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.2%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Safety System Functional Failures	0	0	0	0	0	0	0	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	**7/00**	**8/00**	**9/00**	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**
Maximum activity	0.000181	0.000211	0.000226	0	0.000105	0.000105	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**
Maximum activity	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154	0.000166	0.000140	0.000185	N/A	0.000086	0.000128
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**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	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	0	0	0	0	0	0	0	0.976	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9.8**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	87.0	0	0	0	47.0	29.0	5.0	3.0
Total opportunities	88.0	0	0	0	50.0	32.0	6.0	4.0
Indicator value	**98.9%**	**98.8%**	**98.7%**	**98.5%**	**97.1%**	**96.1%**	**95.1%**	**95.0%**

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	65.0	65.0	63.0	62.0	62.0	62.0	62.0	62.0
Total Key personnel	66.0	66.0	66.0	67.0	66.0	66.0	64.0	64.0
Indicator value	**98.5%**	**98.5%**	**95.5%**	**92.5%**	**93.9%**	**93.9%**	**96.9%**	**96.9%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	195	197	196	195	194	191	194	193
Total sirens-tests	198	198	198	198	198	198	198	198
Indicator value	**97.1%**	**97.9%**	**98.7%**	**98.9%**	**98.7%**	**98.0%**	**97.7%**	**97.5%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	67.90	83.90	142.10	98.60	28.00	64.30	550.50	40.90
CCTV compensatory hours	11.0	5.8	4.7	29.9	49.5	2.6	12.2	10.2
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.010**	**0.011**	**0.012**	**0.013**	**0.012**	**0.023**	**0.021**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 31, 2002

Comanche Peak 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**1.8**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	1.0	0	0	0	0	0	1.0	1.0
Critical hours	1392.5	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	3.90	6.50	2.80	2.50	5.70	9.00	5.40	13.40
Unplanned unavailable hours	20.80	6.00	32.50	18.40	0	0	0	0
Fault exposure hours	0	0	334.30	333.80	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	3.60	19.40	19.30	5.80	5.50	13.80	2.90	6.10
Unplanned unavailable hours	0	5.30	4.80	1.00	0	14.40	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**0.8%**	**1.5%**	**2.1%**	**2.1%**	**2.0%**	**2.0%**	**2.0%**

Licensee Comments:

3Q/02: A postulated design issue has been identified by Comanche Peak but it has no impact to the performance trend or to the color of the indicator. The postulated design issue is related to an Emergency Diesel Generator (EDG) being paralleled to the grid during EDG testing. Per NEI 99-02, Rev. 2, page 33, lines 8 through 23, which addresses equipment failures due to design deficiencies, time periods in this condition are not being included in the unavailability calculation. The estimated hours in which each EDG was paralleled to the grid when it was required to be available are: EDG 1-01 = 106.8 hours, EDG 1-02 = 100.7 hours, EDG 2-01 = 99.7 hours and EDG 2-02 = 105.9 hours.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	11.50	20.30	1.60	56.20	5.10	19.00	37.50	7.80
Unplanned unavailable hours	0	6.00	0	0	0	6.60	0	2.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Train 2								
Planned unavailable hours	0.80	39.80	19.00	9.90	10.70	6.50	13.70	9.40
Unplanned unavailable hours	0	0	6.40	1.60	6.40	13.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Train 3								
Planned unavailable hours	0	25.00	0.60	49.60	4.90	6.30	35.10	8.60
Unplanned unavailable hours	0	6.40	0	0	0	6.60	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	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Train 4								
Planned unavailable hours	0	16.30	4.90	7.40	9.30	6.00	1.40	9.70
Unplanned unavailable hours	0	0	6.40	1.60	6.40	13.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments:

3Q/02: Unit 2 experienced two separate charging pump suction vent valve failures in July 2002 for a total of 171.2 T/2 fault exposure hours. This does not impact the performance indicator trend or color.

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	30.60	4.30	13.00	5.80	17.70	29.70	72.60	76.70
Unplanned unavailable hours	0	0	3.30	1.10	0	0	35.80	11.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Train 2								
Planned unavailable hours	1.70	19.80	2.20	52.50	22.60	8.40	36.00	10.50
Unplanned unavailable hours	0	6.00	0	0	0	6.60	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	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00
Train 3								
Planned unavailable hours	1.50	5.80	6.60	9.50	13.00	17.60	7.50	6.70
Unplanned unavailable hours	0	0	6.60	1.60	6.40	15.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1392.50	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00

Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.8%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	8.00	30.00	12.70	53.30	16.80	4.40	36.70	21.70
Unplanned unavailable hours	0	6.00	17.40	0	0	6.60	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	35.40	10.40	5.40	24.40	20.30	6.60	1.70	16.60
Unplanned unavailable hours	0	0	6.40	1.60	6.40	13.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**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	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**
Maximum activity	0	0.000105	0.000105	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000145	0.000142	0.000154	0.000166	0.000154	0.000185	N/A	0.000086	0.000128	0.000108	0.000120	0.000115
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3/02: Minor change to submitted data for February due to transposition error. Change does not impact the PI trend or change the color

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0	0	0	0	0	0.976	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**9.8**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	47.0	29.0	5.0	3.0	40.0
Total opportunities	0	0	0	50.0	32.0	6.0	4.0	42.0
Indicator value	**98.8%**	**98.7%**	**98.5%**	**97.1%**	**96.1%**	**95.1%**	**95.0%**	**92.5%**

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	65.0	63.0	62.0	62.0	62.0	62.0	62.0	63.0
Total Key personnel	66.0	66.0	67.0	66.0	66.0	64.0	64.0	64.0
Indicator value	**98.5%**	**95.5%**	**92.5%**	**93.9%**	**93.9%**	**96.9%**	**96.9%**	**98.4%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	197	196	195	194	191	194	193	188
Total sirens-tests	198	198	198	198	198	198	198	198
Indicator value	**97.9%**	**98.7%**	**98.9%**	**98.7%**	**98.0%**	**97.7%**	**97.5%**	**96.7%**

Licensee Comments: none

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	83.90	142.10	98.60	28.00	64.30	550.50	40.90	71.50
CCTV compensatory hours	5.8	4.7	29.9	49.5	2.6	12.2	10.2	8.6
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.010**	**0.011**	**0.012**	**0.013**	**0.012**	**0.023**	**0.021**	**0.021**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Comanche Peak 2

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	1.0
Critical hours	2160.0	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	6.50	2.80	2.50	5.70	9.00	5.40	13.40	3.60
Unplanned unavailable hours	6.00	32.50	18.40	0	0	0	0	1.30
Fault exposure hours	0	334.30	333.80	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	19.40	19.30	5.80	5.50	13.80	2.90	6.10	7.20
Unplanned unavailable hours	5.30	4.80	1.00	0	14.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**1.5%**	**2.1%**	**2.1%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**

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	20.30	1.60	56.20	5.10	19.00	37.50	7.80	2.80
Unplanned unavailable hours	6.00	0	0	0	6.60	0	2.00	0.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Train 2								
Planned unavailable hours	39.80	19.00	9.90	10.70	6.50	13.70	9.40	4.30
Unplanned unavailable hours	0	6.40	1.60	6.40	13.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Train 3								
Planned unavailable hours	25.00	0.60	49.60	4.90	6.30	35.10	8.60	2.80
Unplanned unavailable hours	6.40	0	0	0	6.60	0	0	0.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Train 4								
Planned unavailable hours	16.30	4.90	7.40	9.30	6.00	1.40	9.70	4.30
Unplanned unavailable hours	0	6.40	1.60	6.40	13.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**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/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	4.30	13.00	5.80	17.70	29.70	72.60	76.70	2.80
Unplanned unavailable hours	0	3.30	1.10	0	0	35.80	11.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Train 2								
Planned unavailable hours	19.80	2.20	52.50	22.60	8.40	36.00	10.50	3.40
Unplanned unavailable hours	6.00	0	0	0	6.60	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	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Train 3								
Planned unavailable hours	5.80	6.60	9.50	13.00	17.60	7.50	6.70	5.50
Unplanned unavailable hours	0	6.60	1.60	6.40	15.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.8%**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	30.00	12.70	53.30	16.80	4.40	36.70	21.70	3.50
Unplanned unavailable hours	6.00	17.40	0	0	6.60	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	10.40	5.40	24.40	20.30	6.60	1.70	16.60	6.40
Unplanned unavailable hours	0	6.40	1.60	6.40	13.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	0	0	0	0	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	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154
Technical specification limit	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000166	0.000154	0.000185	N/A	0.000086	0.000128	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	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	0	0.976	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**9.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	0	0	47.0	29.0	5.0	3.0	40.0	0
Total opportunities	0	0	50.0	32.0	6.0	4.0	42.0	0
Indicator value	**98.7%**	**98.5%**	**97.1%**	**96.1%**	**95.1%**	**95.0%**	**92.5%**	**92.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	63.0	62.0	62.0	62.0	62.0	62.0	63.0	63.0
Total Key personnel	66.0	67.0	66.0	66.0	64.0	64.0	64.0	64.0
Indicator value	**95.5%**	**92.5%**	**93.9%**	**93.9%**	**96.9%**	**96.9%**	**98.4%**	**98.4%**

Licensee Comments: none

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	196	195	194	191	194	193	188	194
Total sirens-tests	198	198	198	198	198	198	198	201
Indicator value	**98.7%**	**98.9%**	**98.7%**	**98.0%**	**97.7%**	**97.5%**	**96.7%**	**96.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	142.10	98.60	28.00	64.30	550.50	40.90	71.50	81.80
CCTV compensatory hours	4.7	29.9	49.5	2.6	12.2	10.2	8.6	21.0
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.011**	**0.012**	**0.013**	**0.012**	**0.023**	**0.021**	**0.021**	**0.022**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 30, 2003

Comanche Peak 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	1.0	0
Critical hours	2183.0	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.6**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	2.80	2.50	5.70	9.00	5.40	13.40	3.60	6.10
Unplanned unavailable hours	32.50	18.40	0	0	0	0	1.30	0
Fault exposure hours	334.30	333.80	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	19.30	5.80	5.50	13.80	2.90	6.10	7.20	7.20
Unplanned unavailable hours	4.80	1.00	0	14.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.5%**	**2.1%**	**2.1%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	1.60	56.20	5.10	19.00	37.50	7.80	2.80	33.70
Unplanned unavailable hours	0	0	0	6.60	0	2.00	0.50	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	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	19.00	9.90	10.70	6.50	13.70	9.40	4.30	27.10
Unplanned unavailable hours	6.40	1.60	6.40	13.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	0.60	49.60	4.90	6.30	35.10	8.60	2.80	16.40
Unplanned unavailable hours	0	0	0	6.60	0	0	0.50	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	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	4.90	7.40	9.30	6.00	1.40	9.70	4.30	22.80
Unplanned unavailable hours	6.40	1.60	6.40	13.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**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/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	13.00	5.80	17.70	29.70	72.60	76.70	2.80	12.20
Unplanned unavailable hours	3.30	1.10	0	0	35.80	11.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.20	52.50	22.60	8.40	36.00	10.50	3.40	18.50
Unplanned unavailable hours	0	0	0	6.60	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	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Train 3								

Planned unavailable hours	6.60	9.50	13.00	17.60	7.50	6.70	5.50	20.40
Unplanned unavailable hours	6.60	1.60	6.40	15.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.8%**	**1.0%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	12.70	53.30	16.80	4.40	36.70	21.70	3.50	16.40
Unplanned unavailable hours	17.40	0	0	6.60	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	5.40	24.40	20.30	6.60	1.70	16.60	6.40	22.10
Unplanned unavailable hours	6.40	1.60	6.40	13.20	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**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	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**
Maximum activity	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154	0.000166	0.000154	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000086	0.000128	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	0	47.0	29.0	5.0	3.0	40.0	0	9.0
Total opportunities	0	50.0	32.0	6.0	4.0	42.0	0	10.0
Indicator value	**98.5%**	**97.1%**	**96.1%**	**95.1%**	**95.0%**	**92.5%**	**92.5%**	**92.4%**

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	62.0	62.0	62.0	62.0	62.0	63.0	63.0	64.0
Total Key personnel	67.0	66.0	66.0	64.0	64.0	64.0	64.0	66.0
Indicator value	**92.5%**	**93.9%**	**93.9%**	**96.9%**	**96.9%**	**98.4%**	**98.4%**	**97.0%**

Licensee Comments: none

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	195	194	191	194	193	188	194	203
Total sirens-tests	198	198	198	198	198	198	201	207
Indicator value	**98.9%**	**98.7%**	**98.0%**	**97.7%**	**97.5%**	**96.7%**	**96.7%**	**96.8%**

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

Licensee Comments: none

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	98.60	28.00	64.30	550.50	40.90	71.50	81.80	70.10
CCTV compensatory hours	29.9	49.5	2.6	12.2	10.2	8.6	21.0	45.6
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.013**	**0.012**	**0.023**	**0.021**	**0.021**	**0.022**	**0.010**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Comanche Peak 2

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	1.0	0	0	1.0	0	0	0	1.0
Critical hours	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	1.0
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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	1.0	1.0	1.0	0	0
Critical hours	2188.6	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0
Indicator value	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.6**	**2.6**	**1.7**

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	2.50	5.70	9.00	5.40	13.40	3.60	6.10	29.60
Unplanned unavailable hours	18.40	0	0	0	0	1.30	0	28.80
Fault exposure hours	333.80	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	5.80	5.50	13.80	2.90	6.10	7.20	7.20	56.80
Unplanned unavailable hours	1.00	0	14.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**2.1%**	**2.1%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	56.20	5.10	19.00	37.50	7.80	2.80	33.70	50.50
Unplanned unavailable hours	0	0	6.60	0	2.00	0.50	0	28.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Train 2								
Planned unavailable hours	9.90	10.70	6.50	13.70	9.40	4.30	27.10	46.20
Unplanned unavailable hours	1.60	6.40	13.20	0	0	0	0	0.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Train 3								
Planned unavailable hours	49.60	4.90	6.30	35.10	8.60	2.80	16.40	46.20
Unplanned unavailable hours	0	0	6.60	0	0	0.50	0	28.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Train 4								
Planned unavailable hours	7.40	9.30	6.00	1.40	9.70	4.30	22.80	45.50
Unplanned unavailable hours	1.60	6.40	13.20	0	0	0	0	0.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.9%**

Licensee Comments: none

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	5.80	17.70	29.70	71.20	76.70	2.80	12.20	10.40
Unplanned unavailable hours	1.10	0	0	35.80	11.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Train 2								
Planned unavailable hours	52.50	22.60	8.40	36.50	10.50	3.40	18.50	48.70
Unplanned unavailable hours	0	0	6.60	0	0	0	0	28.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Train 3								

Planned unavailable hours	9.50	13.00	17.60	7.50	6.70	5.50	20.40	44.80
Unplanned unavailable hours	1.60	6.40	15.20	0	0	0	0	1.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2188.60	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.8%**	**1.0%**	**0.9%**	**1.0%**	**1.2%**

Licensee Comments:

2Q/02: Correction of 0.5 hrs unavailable listed as TDAFW 2-01 and should have been listed as MDAFW 2-01. No impact to performance indicator or to performance indicator color.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	53.30	16.80	4.40	36.70	21.70	3.50	16.40	34.90
Unplanned unavailable hours	0	0	6.60	0	0	0	0	28.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00

Train 2								
Planned unavailable hours	24.40	20.30	6.60	1.70	16.60	6.40	22.10	47.90
Unplanned unavailable hours	1.60	6.40	13.20	0	0	0	0	0.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

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	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154	0.000166	0.000154	0.000185	N/A	0.000086	0.000128
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

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	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	47.0	29.0	5.0	3.0	40.0	0	9.0	6.0
Total opportunities	50.0	32.0	6.0	4.0	42.0	0	10.0	6.0
Indicator value	**97.1%**	**96.1%**	**95.1%**	**95.0%**	**92.5%**	**92.5%**	**92.4%**	**92.7%**

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	62.0	62.0	62.0	62.0	63.0	63.0	64.0	64.0
Total Key personnel	66.0	66.0	64.0	64.0	64.0	64.0	66.0	67.0
Indicator value	**93.9%**	**93.9%**	**96.9%**	**96.9%**	**98.4%**	**98.4%**	**97.0%**	**95.5%**

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	194	191	194	193	188	194	203	206
Total sirens-tests	198	198	198	198	198	201	207	207
Indicator value	**98.7%**	**98.0%**	**97.7%**	**97.5%**	**96.7%**	**96.7%**	**96.8%**	**97.3%**

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

Licensee Comments: none

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	28.00	64.30	550.50	40.90	71.50	81.80	70.10	73.00
CCTV compensatory hours	49.5	2.6	12.2	10.2	8.6	21.0	45.6	20.0
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.013**	**0.012**	**0.023**	**0.021**	**0.021**	**0.022**	**0.010**	**0.011**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Comanche Peak 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	1.0	0	0	0	1.0	1.0
Critical hours	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6
Indicator value	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**1.7**

Licensee Comments: none

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	1.0	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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6
Indicator value	**0**	**0**	**0.9**	**1.8**	**2.6**	**2.6**	**1.7**	**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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	5.70	9.00	5.40	13.40	3.60	6.10	29.60	9.70
Unplanned unavailable hours	0	0	0	0	1.30	0	28.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.50	13.80	2.90	6.10	7.20	7.20	56.80	9.30
Unplanned unavailable hours	0	14.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**2.1%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.1%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	5.10	19.00	37.50	7.80	2.80	33.70	50.50	29.50
Unplanned unavailable hours	0	6.60	0	2.00	0.50	0	28.80	6.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Train 2								
Planned unavailable hours	10.70	6.50	13.70	9.40	4.30	27.10	46.20	57.80
Unplanned unavailable hours	6.40	13.20	0	0	0	0	0.80	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	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Train 3								
Planned unavailable hours	4.90	6.30	35.10	8.60	2.80	16.40	46.20	14.70
Unplanned unavailable hours	0	6.60	0	0	0.50	0	28.80	6.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Train 4								
Planned unavailable hours	9.30	6.00	1.40	9.70	4.30	22.80	45.50	32.50
Unplanned unavailable hours	6.40	13.20	0	0	0	0	0.80	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	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.9%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	17.70	29.70	72.10	76.70	2.80	12.20	10.40	27.30
Unplanned unavailable hours	0	0	35.80	11.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Train 2								
Planned unavailable hours	22.60	8.40	36.50	10.50	3.40	18.50	48.70	15.70
Unplanned unavailable hours	0	6.60	0	0	0	0	28.80	6.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Train 3								

Planned unavailable hours	13.00	17.60	7.50	6.70	5.50	20.40	44.80	40.50
Unplanned unavailable hours	6.40	15.20	0	0	0	0	1.20	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	2209.00	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60
Indicator value	**0.7%**	**0.7%**	**0.8%**	**1.0%**	**0.9%**	**1.0%**	**1.2%**	**1.2%**

Licensee Comments:

2Q/02: Correction of 0.9 hrs unavailable listed as TDAFW 2-01 and should have been listed as MDAFW 2-01. No impact to performance indicator or to performance indicator color.

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	16.80	4.40	36.70	21.70	3.50	16.40	34.90	26.50
Unplanned unavailable hours	0	6.60	0	0	0	0	28.80	6.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Train 2								
Planned unavailable hours	20.30	6.60	1.70	16.60	6.40	22.10	47.90	31.00
Unplanned unavailable hours	6.40	13.20	0	0	0	0	0.80	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000145	0.000142	0.000154	0.000166	0.000154	0.000185	N/A	0.000086	0.000128	0.000108	0.000120	0.000115
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	29.0	5.0	3.0	40.0	0	9.0	6.0	52.0
Total opportunities	32.0	6.0	4.0	42.0	0	10.0	6.0	54.0
Indicator value	**96.1%**	**95.1%**	**95.0%**	**92.5%**	**92.5%**	**92.4%**	**92.7%**	**93.5%**

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	62.0	62.0	62.0	63.0	63.0	64.0	64.0	59.0
Total Key personnel	66.0	64.0	64.0	64.0	64.0	66.0	67.0	60.0
Indicator value	**93.9%**	**96.9%**	**96.9%**	**98.4%**	**98.4%**	**97.0%**	**95.5%**	**98.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	191	194	193	188	194	203	206	206
Total sirens-tests	198	198	198	198	201	207	207	207
Indicator value	**98.0%**	**97.7%**	**97.5%**	**96.7%**	**96.7%**	**96.8%**	**97.3%**	**98.4%**

Licensee Comments: none

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

Licensee Comments: none

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	64.30	550.50	40.90	71.50	81.80	70.10	73.00	54.40
CCTV compensatory hours	2.6	12.2	10.2	8.6	21.0	45.6	20.0	4.4
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.012**	**0.023**	**0.021**	**0.021**	**0.022**	**0.010**	**0.011**	**0.011**

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

Comanche Peak 2

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	1.0	0	0	0	1.0	1.0	1.0
Critical hours	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5
Indicator value	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**1.7**	**2.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	1.0	0	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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2123.8	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5
Indicator value	**0**	**0.9**	**1.8**	**2.6**	**2.6**	**1.7**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	9.00	5.40	13.40	3.60	6.10	29.60	9.70	3.30
Unplanned unavailable hours	0	0	0	1.30	0	28.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.80	2.90	6.10	7.20	7.20	56.80	9.30	5.60
Unplanned unavailable hours	14.40	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.1%**	**2.0%**	**2.0%**

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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	19.00	37.50	7.80	2.80	33.70	50.50	29.50	3.60
Unplanned unavailable hours	6.60	0	2.00	0.50	0	28.80	6.10	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Train 2								
Planned unavailable hours	6.50	13.70	9.40	4.30	27.10	46.20	57.80	10.30
Unplanned unavailable hours	13.20	0	0	0	0	0.80	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Train 3								
Planned unavailable hours	6.30	35.10	8.60	2.80	16.40	46.20	14.70	3.30
Unplanned unavailable hours	6.60	0	0	0.50	0	28.80	6.10	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Train 4								
Planned unavailable hours	6.00	1.40	9.70	4.30	22.80	45.50	32.50	12.10
Unplanned unavailable hours	13.20	0	0	0	0	0.80	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.9%**	**1.1%**	**1.1%**

Licensee Comments: none

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	29.70	72.10	76.70	2.80	12.20	10.40	27.30	10.80
Unplanned unavailable hours	0	35.80	11.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Train 2								
Planned unavailable hours	8.40	36.50	10.50	3.40	18.50	48.70	15.70	5.00
Unplanned unavailable hours	6.60	0	0	0	0	28.80	6.10	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Train 3								

Planned unavailable hours	17.60	7.50	6.70	5.50	20.40	44.80	40.50	6.20
Unplanned unavailable hours	15.20	0	0	0	0	1.20	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	2123.80	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45
Indicator value	**0.7%**	**0.8%**	**1.0%**	**0.9%**	**1.0%**	**1.2%**	**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/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	4.40	36.70	21.70	3.50	16.40	34.90	26.50	4.60
Unplanned unavailable hours	6.60	0	0	0	0	28.80	6.10	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	6.60	1.70	16.60	6.40	22.10	47.90	31.00	5.40
Unplanned unavailable hours	13.20	0	0	0	0	0.80	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**1.0%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**
Maximum activity	0.000166	0.000154	0.000185	N/A	0.000086	0.000128	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	5.0	3.0	40.0	0	9.0	6.0	52.0	12.0
Total opportunities	6.0	4.0	42.0	0	10.0	6.0	54.0	12.0
Indicator value	**95.1%**	**95.0%**	**92.5%**	**92.5%**	**92.4%**	**92.7%**	**93.5%**	**94.8%**

Licensee Comments: none

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	62.0	62.0	63.0	63.0	64.0	64.0	59.0	58.0
Total Key personnel	64.0	64.0	64.0	64.0	66.0	67.0	60.0	60.0
Indicator value	**96.9%**	**96.9%**	**98.4%**	**98.4%**	**97.0%**	**95.5%**	**98.3%**	**96.7%**

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	194	193	188	194	203	206	206	206
Total sirens-tests	198	198	198	201	207	207	207	208
Indicator value	**97.7%**	**97.5%**	**96.7%**	**96.7%**	**96.8%**	**97.3%**	**98.4%**	**99.0%**

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	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

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	550.50	40.90	71.50	81.80	70.10	73.00	54.40	24.50
CCTV compensatory hours	12.2	10.2	8.6	21.0	45.6	20.0	4.4	7.9
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.023**	**0.021**	**0.021**	**0.022**	**0.010**	**0.011**	**0.011**	**0.009**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Comanche Peak 2

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	0	1.0	1.0	1.0	0
Critical hours	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0
Indicator value	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**1.7**	**2.8**	**2.8**

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:

2Q/03: Per FAQ 355 partial lost of offsite power should not be counted as a scram with loss of normal cooling, therefore, this event should not have been counted.

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	1.0	1.0	0	0	0	0	0
Critical hours	1409.0	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0
Indicator value	**0.9**	**1.8**	**2.6**	**2.6**	**1.7**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	5.40	13.40	3.60	6.10	29.60	9.70	3.30	6.30
Unplanned unavailable hours	0	0	1.30	0	28.80	0	0	7.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	2.90	6.10	7.20	7.20	56.80	9.30	5.60	4.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**2.0%**	**2.0%**	**2.0%**	**2.0%**	**2.1%**	**2.0%**	**2.0%**	**1.9%**

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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	37.50	7.80	2.80	33.70	50.50	29.50	3.60	50.90
Unplanned unavailable hours	0	2.00	0.50	0	28.80	6.10	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Train 2								
Planned unavailable hours	13.70	9.40	4.30	27.10	46.20	57.80	10.30	20.50
Unplanned unavailable hours	0	0	0	0	0.80	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Train 3								
Planned unavailable hours	35.10	8.60	2.80	16.40	46.20	14.70	3.30	30.80
Unplanned unavailable hours	0	0	0.50	0	28.80	6.10	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Train 4								
Planned unavailable hours	1.40	9.70	4.30	22.80	45.50	32.50	12.10	20.50
Unplanned unavailable hours	0	0	0	0	0.80	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	72.10	76.70	2.80	12.20	10.40	27.30	30.80	3.50
Unplanned unavailable hours	35.80	11.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Train 2								
Planned unavailable hours	36.50	10.50	3.40	18.50	48.70	15.70	5.00	29.60
Unplanned unavailable hours	0	0	0	0	28.80	6.10	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Train 3								
Planned unavailable hours	7.50	6.70	5.50	20.40	44.80	40.50	6.20	24.60
Unplanned unavailable hours	0	0	0	0	1.20	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	1409.00	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00
Indicator value	**0.8%**	**1.0%**	**0.9%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments:

4Q/03: Planned unavailability for TDAFW 2-01was corrected from 1.7 hours to 21.7 hours based on unavailability during startup from 2RF07. This corrrection of data did not affect the PI color or the PI value for the quarter.

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	36.70	21.70	3.50	16.40	34.90	26.50	4.60	42.40
Unplanned unavailable hours	0	0	0	0	28.80	6.10	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	1.70	16.60	6.40	22.10	47.90	31.00	5.40	33.60
Unplanned unavailable hours	0	0	0	0	0.80	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**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	**4/02**	**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	0.000086	0.000128	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	3.0	40.0	0	9.0	6.0	52.0	12.0	6.0
Total opportunities	4.0	42.0	0	10.0	6.0	54.0	12.0	9.0
Indicator value	**95.0%**	**92.5%**	**92.5%**	**92.4%**	**92.7%**	**93.5%**	**94.8%**	**93.4%**

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	62.0	63.0	63.0	64.0	64.0	59.0	58.0	56.0
Total Key personnel	64.0	64.0	64.0	66.0	67.0	60.0	60.0	59.0
Indicator value	**96.9%**	**98.4%**	**98.4%**	**97.0%**	**95.5%**	**98.3%**	**96.7%**	**94.9%**

Licensee Comments: none

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	193	188	194	203	206	206	206	206
Total sirens-tests	198	198	201	207	207	207	208	210
Indicator value	**97.5%**	**96.7%**	**96.7%**	**96.8%**	**97.3%**	**98.4%**	**99.0%**	**99.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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	40.90	71.50	81.80	70.10	73.00	54.40	24.50	20.60
CCTV compensatory hours	10.2	8.6	21.0	45.6	20.0	4.4	7.9	37.2
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.021**	**0.021**	**0.022**	**0.010**	**0.011**	**0.011**	**0.009**	**0.007**

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

Comanche Peak 2

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	1.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**1.7**	**2.8**	**2.8**	**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

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	1.0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0
Indicator value	**1.8**	**2.6**	**2.6**	**1.7**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	13.40	3.60	6.10	29.60	9.70	3.30	6.30	22.40
Unplanned unavailable hours	0	1.30	0	28.80	0	0	10.70	18.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	6.10	7.20	7.20	56.80	9.30	5.60	4.80	28.10
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**2.0%**	**2.0%**	**2.0%**	**2.1%**	**2.0%**	**2.0%**	**1.9%**	**1.3%**

Licensee Comments:

1Q/04: Revised unplanned unavailability hours on 07/12/04 to add an additional 3.4 hours due to re-evaluation of an unavailability event associated with EDG 2-01 Jacket Water Keep Warm Pump maintenance. No fault exposure was associated with this unavailability. This change did not impact the PI color.

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	7.80	2.80	33.70	50.50	29.50	3.60	50.90	66.10
Unplanned unavailable hours	2.00	0.50	0	28.80	6.10	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Train 2								
Planned unavailable hours	9.40	4.30	27.10	46.20	57.80	10.30	20.50	56.20
Unplanned unavailable hours	0	0	0	0.80	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Train 3								
Planned unavailable hours	8.60	2.80	16.40	46.20	14.70	3.30	30.80	72.60
Unplanned unavailable hours	0	0.50	0	28.80	6.10	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Train 4								
Planned unavailable hours	9.70	4.30	22.80	45.50	32.50	12.10	20.50	47.50
Unplanned unavailable hours	0	0	0	0.80	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

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

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	76.70	2.80	12.20	10.40	27.30	30.80	3.50	4.20
Unplanned unavailable hours	11.80	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Train 2								
Planned unavailable hours	10.50	3.40	18.50	48.70	15.70	5.00	29.60	66.80
Unplanned unavailable hours	0	0	0	28.80	6.10	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Train 3								
Planned unavailable hours	6.70	5.50	20.40	44.80	40.50	6.20	24.60	38.60
Unplanned unavailable hours	0	0	0	1.20	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	2208.00	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00
Indicator value	**1.0%**	**0.9%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	21.70	3.50	16.40	34.90	26.50	4.60	42.40	75.20
Unplanned unavailable hours	0	0	0	28.80	6.10	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	16.60	6.40	22.10	47.90	31.00	5.40	33.60	38.70
Unplanned unavailable hours	0	0	0	0.80	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**
Maximum activity	0.000108	0.000120	0.000115	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	40.0	0	9.0	6.0	52.0	12.0	7.0	6.0
Total opportunities	42.0	0	10.0	6.0	54.0	12.0	10.0	6.0
Indicator value	**92.5%**	**92.5%**	**92.4%**	**92.7%**	**93.5%**	**94.8%**	**93.5%**	**94.3%**

Licensee Comments:

1Q/04: Additional review indicated that another opportunity for drill performance should have been counted. This changed the number of successful opportunities from 6 to 7; and total opportunities from 9 to 10. This change to first quarter data improved the PI Metric and did not result in a change in PI color.

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	63.0	63.0	64.0	64.0	59.0	58.0	56.0	55.0
Total Key personnel	64.0	64.0	66.0	67.0	60.0	60.0	59.0	58.0
Indicator value	**98.4%**	**98.4%**	**97.0%**	**95.5%**	**98.3%**	**96.7%**	**94.9%**	**94.8%**

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	188	194	203	206	206	206	206	209
Total sirens-tests	198	201	207	207	207	208	210	210
Indicator value	**96.7%**	**96.7%**	**96.8%**	**97.3%**	**98.4%**	**99.0%**	**99.0%**	**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	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/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.

Comanche Peak 2

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	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**1.7**	**2.8**	**2.8**	**1.8**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

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	1.0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0
Indicator value	**2.6**	**2.6**	**1.7**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	3.60	6.10	29.60	9.70	3.30	6.30	22.40	6.50
Unplanned unavailable hours	1.30	0	28.80	0	0	10.70	18.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.20	7.20	56.80	9.30	5.60	4.80	28.10	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**2.0%**	**2.0%**	**2.1%**	**2.0%**	**2.0%**	**1.9%**	**1.3%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	2.80	33.70	50.50	29.50	3.60	50.90	66.10	4.10
Unplanned unavailable hours	0.50	0	28.80	6.10	0.60	0	0	4.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	4.30	27.10	46.20	57.80	10.30	20.50	56.20	4.10
Unplanned unavailable hours	0	0	0.80	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	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	2.80	16.40	46.20	14.70	3.30	30.80	72.60	4.10
Unplanned unavailable hours	0.50	0	28.80	6.10	0.60	0	0	4.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Train 4								
Planned unavailable hours	4.30	22.80	45.50	32.50	12.10	20.50	47.50	4.10
Unplanned unavailable hours	0	0	0.80	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	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.3%**	**1.2%**

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	2.80	12.20	10.40	27.30	30.80	3.50	4.20	23.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	3.40	18.50	48.70	15.70	5.00	29.60	66.80	8.80
Unplanned unavailable hours	0	0	28.80	6.10	0.60	0	0	4.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	5.50	20.40	44.80	40.50	6.20	24.60	38.60	4.70
Unplanned unavailable hours	0	0	1.20	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	2209.00	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00
Indicator value	**0.9%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	3.50	16.40	34.90	26.50	4.60	42.40	75.20	5.00
Unplanned unavailable hours	0	0	28.80	6.10	0.60	0	0	4.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.40	22.10	47.90	31.00	5.40	33.60	38.70	6.30
Unplanned unavailable hours	0	0	0.80	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.8%**	**0.8%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**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	0.000133	0.000124	0.000149	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	0	9.0	6.0	52.0	12.0	7.0	6.0	76.0
Total opportunities	0	10.0	6.0	54.0	12.0	10.0	6.0	76.0
Indicator value	**92.5%**	**92.4%**	**92.7%**	**93.5%**	**94.8%**	**93.5%**	**94.3%**	**96.6%**

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	63.0	64.0	64.0	59.0	58.0	56.0	55.0	56.0
Total Key personnel	64.0	66.0	67.0	60.0	60.0	59.0	58.0	60.0
Indicator value	**98.4%**	**97.0%**	**95.5%**	**98.3%**	**96.7%**	**94.9%**	**94.8%**	**93.3%**

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	194	203	206	206	206	206	209	207
Total sirens-tests	201	207	207	207	208	210	210	210
Indicator value	**96.7%**	**96.8%**	**97.3%**	**98.4%**	**99.0%**	**99.0%**	**99.0%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

Comanche Peak 2

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	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**1.7**	**2.8**	**2.8**	**1.8**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	0	0	2.0
Critical hours	2160.0	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0
Indicator value	**2.6**	**1.7**	**0.9**	**0**	**0**	**0**	**0**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	6.10	29.60	9.70	3.30	6.30	22.40	6.50	5.30
Unplanned unavailable hours	0	28.80	0	0	10.70	18.40	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	7.20	56.80	9.30	5.60	4.80	28.10	5.20	7.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**2.0%**	**2.1%**	**2.0%**	**2.0%**	**1.9%**	**1.3%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	33.70	50.50	29.50	3.60	50.90	66.10	4.10	16.00
Unplanned unavailable hours	0	28.80	6.10	0.60	0	0	4.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	27.10	46.20	57.80	10.30	20.50	56.20	4.10	17.40
Unplanned unavailable hours	0	0.80	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	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	16.40	46.20	14.70	3.30	30.80	72.60	4.10	2.10
Unplanned unavailable hours	0	28.80	6.10	0.60	0	0	4.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	22.80	45.50	32.50	12.10	20.50	47.50	4.10	3.60
Unplanned unavailable hours	0	0.80	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	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.3%**	**1.2%**	**1.2%**

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	12.20	10.40	27.30	30.80	3.50	4.20	23.60	3.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	18.50	48.70	15.70	5.00	29.60	66.80	8.80	5.20
Unplanned unavailable hours	0	28.80	6.10	0.60	0	0	4.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	20.40	44.80	40.50	6.20	24.60	38.60	4.70	5.30
Unplanned unavailable hours	0	1.20	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	2160.00	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.3%**	**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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	16.40	34.90	26.50	4.60	42.40	75.20	5.00	2.90
Unplanned unavailable hours	0	28.80	6.10	0.60	0	0	4.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	22.10	47.90	31.00	5.40	33.60	38.70	6.30	5.50
Unplanned unavailable hours	0	0.80	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.1%**

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	0.000142	0.000127	0.000151	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	9.0	6.0	52.0	12.0	7.0	6.0	76.0	6.0
Total opportunities	10.0	6.0	54.0	12.0	10.0	6.0	76.0	6.0
Indicator value	**92.4%**	**92.7%**	**93.5%**	**94.8%**	**93.5%**	**94.3%**	**96.6%**	**96.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	64.0	64.0	59.0	58.0	56.0	55.0	56.0	58.0
Total Key personnel	66.0	67.0	60.0	60.0	59.0	58.0	60.0	60.0
Indicator value	**97.0%**	**95.5%**	**98.3%**	**96.7%**	**94.9%**	**94.8%**	**93.3%**	**96.7%**

Licensee Comments: none

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	203	206	206	206	206	209	207	208
Total sirens-tests	207	207	207	208	210	210	210	214
Indicator value	**96.8%**	**97.3%**	**98.4%**	**99.0%**	**99.0%**	**99.0%**	**98.8%**	**98.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Comanche Peak 2

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	1.0	1.0	1.0	0	0	0	0	0
Critical hours	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8
Indicator value	**0.8**	**1.7**	**2.8**	**2.8**	**1.8**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/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	0	2.0	1.0
Critical hours	1850.0	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8
Indicator value	**1.7**	**0.9**	**0**	**0**	**0**	**0**	**1.6**	**2.4**

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	29.60	9.70	3.30	6.30	22.40	6.50	5.30	13.20
Unplanned unavailable hours	28.80	0	0	10.70	18.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	56.80	9.30	5.60	4.80	28.10	5.20	7.40	8.00
Unplanned unavailable hours	0	0	0	0	0	0	0	2.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**2.1%**	**2.0%**	**2.0%**	**1.9%**	**1.3%**	**0.7%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	50.50	29.50	3.60	50.90	66.10	4.10	16.00	26.50
Unplanned unavailable hours	28.80	6.10	0.60	0	0	4.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Train 2								
Planned unavailable hours	46.20	57.80	10.30	20.50	56.20	4.10	17.40	17.80
Unplanned unavailable hours	0.80	0.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Train 3								
Planned unavailable hours	46.20	14.70	3.30	30.80	72.60	4.10	2.10	6.20
Unplanned unavailable hours	28.80	6.10	0.60	0	0	4.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Train 4								
Planned unavailable hours	45.50	32.50	12.10	20.50	47.50	4.10	3.60	3.30
Unplanned unavailable hours	0.80	0.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Indicator value	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**

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	10.40	27.30	30.80	3.50	4.20	23.60	3.10	11.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Train 2								
Planned unavailable hours	48.70	15.70	5.00	29.60	66.80	8.80	5.20	7.50
Unplanned unavailable hours	28.80	6.10	0.60	0	0	4.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Train 3								
Planned unavailable hours	44.80	40.50	6.20	24.60	38.60	4.70	5.30	4.40
Unplanned unavailable hours	1.20	0.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1850.00	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.3%**	**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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	34.90	26.50	4.60	42.40	75.20	5.00	2.90	7.10
Unplanned unavailable hours	28.80	6.10	0.60	0	0	4.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	47.90	31.00	5.40	33.60	38.70	6.30	5.50	4.10
Unplanned unavailable hours	0.80	0.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**

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	0.000156	0.000179	0.000143	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	6.0	52.0	12.0	7.0	6.0	76.0	6.0	15.0
Total opportunities	6.0	54.0	12.0	10.0	6.0	76.0	6.0	16.0
Indicator value	**92.7%**	**93.5%**	**94.8%**	**93.5%**	**94.3%**	**96.6%**	**96.7%**	**96.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	64.0	59.0	58.0	56.0	55.0	56.0	58.0	68.0
Total Key personnel	67.0	60.0	60.0	59.0	58.0	60.0	60.0	71.0
Indicator value	**95.5%**	**98.3%**	**96.7%**	**94.9%**	**94.8%**	**93.3%**	**96.7%**	**95.8%**

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	206	206	206	206	209	207	208	215
Total sirens-tests	207	207	208	210	210	210	214	216
Indicator value	**97.3%**	**98.4%**	**99.0%**	**99.0%**	**99.0%**	**98.8%**	**98.3%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

Comanche Peak 2

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	1.0	0	0	0	0	0	0
Critical hours	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1
Indicator value	**1.7**	**2.8**	**2.8**	**1.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	0	2.0	1.0	0
Critical hours	1821.6	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**1.6**	**2.4**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	9.70	3.30	6.30	22.40	6.50	5.30	13.20	8.70
Unplanned unavailable hours	0	0	10.70	18.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	9.30	5.60	4.80	28.10	5.20	7.40	8.00	2.90
Unplanned unavailable hours	0	0	0	0	0	0	2.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**2.0%**	**2.0%**	**1.9%**	**1.3%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	29.50	3.60	50.90	66.10	4.10	16.00	26.50	4.00
Unplanned unavailable hours	6.10	0.60	0	0	4.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Train 2								
Planned unavailable hours	57.80	10.30	20.50	56.20	4.10	17.40	17.80	4.00
Unplanned unavailable hours	0.60	0	0	0	0	0	0	59.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Train 3								
Planned unavailable hours	14.70	3.30	30.80	72.60	4.10	2.10	6.20	3.10
Unplanned unavailable hours	6.10	0.60	0	0	4.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Train 4								
Planned unavailable hours	32.50	12.10	20.50	47.50	4.10	3.60	3.30	3.50
Unplanned unavailable hours	0.60	0	0	0	0	0	0	59.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

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	27.30	30.80	3.50	4.20	23.60	3.10	11.30	3.40
Unplanned unavailable hours	0	0	0	0	0	0	0.90	13.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Train 2								
Planned unavailable hours	15.70	5.00	29.60	66.80	8.80	5.20	7.50	5.90
Unplanned unavailable hours	6.10	0.60	0	0	4.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Train 3								
Planned unavailable hours	40.50	6.20	24.60	38.60	4.70	5.30	4.40	4.70
Unplanned unavailable hours	0.60	0	0	0	0	0	0	59.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.60	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.3%**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	26.50	4.60	42.40	75.20	5.00	2.90	7.10	6.00
Unplanned unavailable hours	6.10	0.60	0	0	4.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	31.00	5.40	33.60	38.70	6.30	5.50	4.10	3.50
Unplanned unavailable hours	0.60	0	0	0	0	0	0	59.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**

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	0.000140	0.000150	0.000162	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255	N/A	0.000229	0.000217
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	52.0	12.0	7.0	6.0	76.0	6.0	15.0	0
Total opportunities	54.0	12.0	10.0	6.0	76.0	6.0	16.0	0
Indicator value	**93.5%**	**94.8%**	**93.5%**	**94.3%**	**96.6%**	**96.7%**	**96.8%**	**96.7%**

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	59.0	58.0	56.0	55.0	56.0	58.0	68.0	68.0
Total Key personnel	60.0	60.0	59.0	58.0	60.0	60.0	71.0	71.0
Indicator value	**98.3%**	**96.7%**	**94.9%**	**94.8%**	**93.3%**	**96.7%**	**95.8%**	**95.8%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	206	206	206	209	207	208	215	215
Total sirens-tests	207	208	210	210	210	214	216	216
Indicator value	**98.4%**	**99.0%**	**99.0%**	**99.0%**	**98.8%**	**98.3%**	**98.7%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 3, 2005

Comanche Peak 2

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	1.0	0	0	0	0	0	0	0
Critical hours	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0
Indicator value	**2.8**	**2.8**	**1.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	0	2.0	1.0	0	0
Critical hours	1551.5	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0
Indicator value	**0**	**0**	**0**	**0**	**1.6**	**2.4**	**2.6**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.30	6.30	22.40	6.50	5.30	13.20	8.70	3.90
Unplanned unavailable hours	0	10.70	18.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.60	4.80	28.10	5.20	7.40	8.00	2.90	6.00
Unplanned unavailable hours	0	0	0	0	0	2.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**2.0%**	**1.9%**	**1.3%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.60	50.90	66.10	4.10	16.00	26.50	4.00	1.30
Unplanned unavailable hours	0.60	0	0	4.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Train 2								
Planned unavailable hours	10.30	20.50	56.20	4.10	17.40	17.80	4.00	1.40
Unplanned unavailable hours	0	0	0	0	0	0	59.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Train 3								
Planned unavailable hours	3.30	30.80	72.60	4.10	2.10	6.20	3.10	1.80
Unplanned unavailable hours	0.60	0	0	4.90	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	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Train 4								
Planned unavailable hours	12.10	20.50	47.50	4.10	3.60	3.30	3.50	1.40
Unplanned unavailable hours	0	0	0	0	0	0	59.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Indicator value	**1.1%**	**1.1%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

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	30.80	3.50	4.20	23.60	3.10	11.30	3.40	4.40
Unplanned unavailable hours	0	0	0	0	0	0.90	13.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Train 2								
Planned unavailable hours	5.00	29.60	66.80	8.80	5.20	7.50	5.90	5.60
Unplanned unavailable hours	0.60	0	0	4.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Train 3								
Planned unavailable hours	6.20	24.60	38.60	4.70	5.30	4.40	4.70	2.20
Unplanned unavailable hours	0	0	0	0	0	0	59.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1551.45	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00
Indicator value	**1.2%**	**1.2%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**0.9%**

Licensee Comments: none

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	4.60	42.40	75.20	5.00	2.90	7.10	6.00	8.50
Unplanned unavailable hours	0.60	0	0	4.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.40	33.60	38.70	6.30	5.50	4.10	3.50	6.70
Unplanned unavailable hours	0	0	0	0	0	0	59.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.1%**	**1.1%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**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	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000125	0.000167	0.000169	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**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	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255	N/A	0.000229	0.000217	0.000228	0.000229	0.000200
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0.1**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/03**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	12.0	7.0	6.0	76.0	6.0	15.0	0	0
Total opportunities	12.0	10.0	6.0	76.0	6.0	16.0	0	0
Indicator value	**94.8%**	**93.5%**	**94.3%**	**96.6%**	**96.7%**	**96.8%**	**96.7%**	**96.8%**

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	58.0	56.0	55.0	56.0	58.0	68.0	68.0	67.0
Total Key personnel	60.0	59.0	58.0	60.0	60.0	71.0	71.0	71.0
Indicator value	**96.7%**	**94.9%**	**94.8%**	**93.3%**	**96.7%**	**95.8%**	**95.8%**	**94.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	206	206	209	207	208	215	215	215
Total sirens-tests	208	210	210	210	214	216	216	216
Indicator value	**99.0%**	**99.0%**	**99.0%**	**98.8%**	**98.3%**	**98.7%**	**98.7%**	**99.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Comanche Peak 2

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0
Indicator value	**2.8**	**1.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	0	2.0	1.0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**1.6**	**2.4**	**2.6**	**2.6**	**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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	6.30	22.40	6.50	5.30	13.20	8.70	3.90	4.20
Unplanned unavailable hours	10.70	18.40	0	0	0	0	0	0
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	4.80	28.10	5.20	7.40	8.00	2.90	6.00	7.50
Unplanned unavailable hours	0	0	0	0	2.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.9%**	**1.3%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	50.90	66.10	4.10	16.00	26.50	4.00	1.30	2.60
Unplanned unavailable hours	0	0	4.90	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Train 2								
Planned unavailable hours	20.50	56.20	4.10	17.40	17.80	4.00	1.40	4.70
Unplanned unavailable hours	0	0	0	0	0	59.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Train 3								
Planned unavailable hours	30.80	72.60	4.10	2.10	6.20	3.10	1.80	2.60
Unplanned unavailable hours	0	0	4.90	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	2027.77	1555.05	2208.00	2209.00
Train 4								
Planned unavailable hours	20.50	47.50	4.10	3.60	3.30	3.50	1.40	4.70
Unplanned unavailable hours	0	0	0	0	0	59.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Indicator value	**1.1%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

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	3.50	4.20	23.60	3.10	11.30	3.40	4.40	3.60
Unplanned unavailable hours	0	0	0	0	0.90	13.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Train 2								
Planned unavailable hours	29.60	66.80	8.80	5.20	7.50	5.90	5.60	3.50
Unplanned unavailable hours	0	0	4.90	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Train 3								
Planned unavailable hours	24.60	38.60	4.70	5.30	4.40	4.70	2.20	5.70
Unplanned unavailable hours	0	0	0	0	0	59.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00
Indicator value	**1.2%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**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	42.40	75.20	5.00	2.90	7.10	6.00	8.50	3.40
Unplanned unavailable hours	0	0	4.90	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	33.60	38.70	6.30	5.50	4.10	3.50	6.70	5.50
Unplanned unavailable hours	0	0	0	0	0	59.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.1%**	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**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	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000167	0.000208	0.000179	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**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	0.000283	0.000247	0.000255	N/A	0.000229	0.000217	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/04**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	7.0	6.0	76.0	6.0	15.0	0	0	50.0
Total opportunities	10.0	6.0	76.0	6.0	16.0	0	0	52.0
Indicator value	**93.5%**	**94.3%**	**96.6%**	**96.7%**	**96.8%**	**96.7%**	**96.8%**	**96.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	56.0	55.0	56.0	58.0	68.0	68.0	67.0	75.0
Total Key personnel	59.0	58.0	60.0	60.0	71.0	71.0	71.0	81.0
Indicator value	**94.9%**	**94.8%**	**93.3%**	**96.7%**	**95.8%**	**95.8%**	**94.4%**	**92.6%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	206	209	207	208	215	215	215	208
Total sirens-tests	210	210	210	214	216	216	216	216
Indicator value	**99.0%**	**99.0%**	**98.8%**	**98.3%**	**98.7%**	**98.7%**	**99.0%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

Comanche Peak 2

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0
Indicator value	**1.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	2.0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**1.6**	**2.4**	**2.6**	**2.6**	**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	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	22.40	6.50	5.30	13.20	8.70	3.90	4.20	7.30
Unplanned unavailable hours	18.40	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	28.10	5.20	7.40	8.00	2.90	6.00	7.50	5.10
Unplanned unavailable hours	0	0	0	2.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	66.10	4.10	16.00	26.50	4.00	1.30	2.60	10.30
Unplanned unavailable hours	0	4.90	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	56.20	4.10	17.40	17.80	4.00	1.40	4.70	12.20
Unplanned unavailable hours	0	0	0	0	59.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	72.60	4.10	2.10	6.20	3.10	1.80	2.60	1.50
Unplanned unavailable hours	0	4.90	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	2027.77	1555.05	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	47.50	4.10	3.60	3.30	3.50	1.40	4.70	1.70
Unplanned unavailable hours	0	0	0	0	59.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**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	4.20	23.60	3.10	11.30	3.40	4.40	3.60	5.80
Unplanned unavailable hours	0	0	0	0.90	13.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	66.80	8.80	5.20	7.50	5.90	5.60	3.50	4.30
Unplanned unavailable hours	0	4.90	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	38.60	4.70	5.30	4.40	4.70	2.20	5.70	3.90
Unplanned unavailable hours	0	0	0	0	59.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2027.77	1555.05	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.1%**	**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	75.20	5.00	2.90	7.10	6.00	8.50	3.40	2.10
Unplanned unavailable hours	0	4.90	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	38.70	6.30	5.50	4.10	3.50	6.70	5.50	2.60
Unplanned unavailable hours	0	0	0	0	59.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.2%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000212	0.000228	0.000210	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0**	**0**	**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	N/A	0.000229	0.000217	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3/06: RCS Identified Leakage is generated only when RCS Total Leakage exceeds 1 GPM, otherwise zero is recorded.

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	6.0	76.0	6.0	15.0	0	0	50.0	0
Total opportunities	6.0	76.0	6.0	16.0	0	0	52.0	0
Indicator value	**94.3%**	**96.6%**	**96.7%**	**96.8%**	**96.7%**	**96.8%**	**96.4%**	**98.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	55.0	56.0	58.0	68.0	68.0	67.0	75.0	71.0
Total Key personnel	58.0	60.0	60.0	71.0	71.0	71.0	81.0	77.0
Indicator value	**94.8%**	**93.3%**	**96.7%**	**95.8%**	**95.8%**	**94.4%**	**92.6%**	**92.2%**

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	209	207	208	215	215	215	208	214
Total sirens-tests	210	210	214	216	216	216	216	216
Indicator value	**99.0%**	**98.8%**	**98.3%**	**98.7%**	**98.7%**	**99.0%**	**98.7%**	**98.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: May 5, 2006

Comanche Peak 2

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0
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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	2.0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0
Indicator value	**0**	**1.6**	**2.4**	**2.6**	**2.6**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-4.10E-07
URI (ΔCDF)								-1.20E-07
PLE								NO
Indicator value								**-5.30E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-7.40E-08
URI (ΔCDF)								-3.70E-08
PLE								NO
Indicator value								**-1.11E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-7.90E-08
URI (ΔCDF)								-1.50E-07
PLE								NO
Indicator value								**-2.29E-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)								-4.60E-09
URI (ΔCDF)								-2.20E-08
PLE								NO
Indicator value								**-2.66E-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)								4.00E-07
URI (ΔCDF)								-2.20E-07
PLE								NO
Indicator value								**1.80E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000220	0.000232	0.000278	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255	N/A	0.000229	0.000217
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**

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	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	76.0	6.0	15.0	0	0	50.0	0	11.0
Total opportunities	76.0	6.0	16.0	0	0	52.0	0	12.0
Indicator value	**96.6%**	**96.7%**	**96.8%**	**96.7%**	**96.8%**	**96.4%**	**98.1%**	**97.5%**

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	56.0	58.0	68.0	68.0	67.0	75.0	71.0	76.0
Total Key personnel	60.0	60.0	71.0	71.0	71.0	81.0	77.0	77.0
Indicator value	**93.3%**	**96.7%**	**95.8%**	**95.8%**	**94.4%**	**92.6%**	**92.2%**	**98.7%**

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	207	208	215	215	215	208	214	216
Total sirens-tests	210	214	216	216	216	216	216	216
Indicator value	**98.8%**	**98.3%**	**98.7%**	**98.7%**	**99.0%**	**98.7%**	**98.6%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 2, 2006

Comanche Peak 2

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	**0**	**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	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	2.0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	**1.6**	**2.4**	**2.6**	**2.6**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-4.10E-07	-4.10E-07
URI (ΔCDF)							-1.20E-07	-6.70E-08
PLE							NO	NO
Indicator value							**-5.30E-07**	**-4.77E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-7.40E-08	-7.40E-08
URI (ΔCDF)							-3.70E-08	-3.50E-08
PLE							NO	NO
Indicator value							**-1.11E-07**	**-1.09E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-7.90E-08	-8.00E-08
URI (ΔCDF)							-1.50E-07	-1.40E-07
PLE							NO	NO
Indicator value							**-2.29E-07**	**-2.20E-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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-4.60E-09	-6.00E-09
URI (ΔCDF)							-2.20E-08	-2.20E-08
PLE							NO	NO
Indicator value							**-2.66E-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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							4.00E-07	3.30E-07
URI (ΔCDF)							-2.20E-07	-2.10E-07
PLE							NO	NO
Indicator value							**1.80E-07**	**1.20E-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	0.000234	0.000240	0.000248	0.000283	0.000247	0.000255	N/A	0.000229	0.000217	0.000248	0.000229	0.000200
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**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	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	6.0	15.0	0	0	50.0	0	11.0	66.0
Total opportunities	6.0	16.0	0	0	52.0	0	12.0	76.0
Indicator value	**96.7%**	**96.8%**	**96.7%**	**96.8%**	**96.4%**	**98.1%**	**97.5%**	**91.4%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	58.0	68.0	68.0	67.0	75.0	71.0	76.0	76.0
Total Key personnel	60.0	71.0	71.0	71.0	81.0	77.0	77.0	76.0
Indicator value	**96.7%**	**95.8%**	**95.8%**	**94.4%**	**92.6%**	**92.2%**	**98.7%**	**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	208	215	215	215	208	214	216	211
Total sirens-tests	214	216	216	216	216	216	216	216
Indicator value	**98.3%**	**98.7%**	**98.7%**	**99.0%**	**98.7%**	**98.6%**	**98.7%**	**98.3%**

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

Comanche Peak 2

4Q/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	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	2.0
Critical hours	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0	1735.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	1.0
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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2027.8	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0	1735.9
Indicator value	**2.4**	**2.6**	**2.6**	**0.9**	**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	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-4.10E-07	-4.10E-07	-4.10E-07
URI (ΔCDF)						-1.20E-07	-6.70E-08	-8.80E-08
PLE						NO	NO	NO
Indicator value						**-5.30E-07**	**-4.77E-07**	**-4.98E-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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)						-3.70E-08	-3.50E-08	-3.50E-08
PLE						NO	NO	NO
Indicator value						**-1.11E-07**	**-1.09E-07**	**-1.09E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-7.90E-08	-8.00E-08	-8.10E-08
URI (ΔCDF)						-1.50E-07	-1.40E-07	-1.40E-07
PLE						NO	NO	NO
Indicator value						**-2.29E-07**	**-2.20E-07**	**-2.21E-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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-4.60E-09	-6.00E-09	-7.50E-09
URI (ΔCDF)						-2.20E-08	-2.20E-08	-2.20E-08
PLE						NO	NO	NO
Indicator value						**-2.66E-08**	**-2.80E-08**	**-2.95E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						4.00E-07	3.30E-07	3.30E-07
URI (ΔCDF)						-2.20E-07	-2.10E-07	-2.20E-07
PLE						NO	NO	NO
Indicator value						**1.80E-07**	**1.20E-07**	**1.10E-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	0.000283	0.000247	0.000255	N/A	0.000229	0.000217	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**	**0.5**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	15.0	0	0	50.0	0	11.0	70.0	0
Total opportunities	16.0	0	0	52.0	0	12.0	76.0	0
Indicator value	**96.8%**	**96.7%**	**96.8%**	**96.4%**	**98.1%**	**97.5%**	**93.8%**	**93.6%**

Licensee Comments:

3Q/06: Subsequent evaluation of this DEP data determined that several notification errors reported during this month had been counted as unsuccessful opportunities when they should have been properly classified as errors carried forward and not missed opportunities. This correction only changes the reported number of successful opportunities and the total opportunities value remains the same.

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	68.0	68.0	67.0	75.0	71.0	76.0	76.0	75.0
Total Key personnel	71.0	71.0	71.0	81.0	77.0	77.0	76.0	75.0
Indicator value	**95.8%**	**95.8%**	**94.4%**	**92.6%**	**92.2%**	**98.7%**	**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	215	215	215	208	214	216	211	208
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.7%**	**98.7%**	**99.0%**	**98.7%**	**98.6%**	**98.7%**	**98.3%**	**98.3%**

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

Comanche Peak 2

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	2.0	0
Critical hours	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0	1735.9	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.7**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	1555.1	2208.0	2209.0	2160.0	2183.0	2208.0	1735.9	2159.0
Indicator value	**2.6**	**2.6**	**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)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-4.10E-07	-4.10E-07	-4.10E-07	-4.60E-07
URI (ΔCDF)					-1.20E-07	-6.70E-08	-8.80E-08	-1.30E-06
PLE					NO	NO	NO	NO
Indicator value					**-5.30E-07**	**-4.77E-07**	**-4.98E-07**	**-1.76E-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)					-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)					-3.70E-08	-3.50E-08	-3.50E-08	-3.40E-08
PLE					NO	NO	NO	NO
Indicator value					**-1.11E-07**	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-7.90E-08	-8.00E-08	-8.10E-08	-8.10E-08
URI (ΔCDF)					-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07
PLE					NO	NO	NO	NO
Indicator value					**-2.29E-07**	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-4.60E-09	-6.00E-09	-7.50E-09	-7.50E-09
URI (ΔCDF)					-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.66E-08**	**-2.80E-08**	**-2.95E-08**	**-2.95E-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)					4.00E-07	3.30E-07	3.30E-07	3.30E-07
URI (ΔCDF)					-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07
PLE					NO	NO	NO	NO
Indicator value					**1.80E-07**	**1.20E-07**	**1.10E-07**	**1.10E-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	N/A	0.000229	0.000217	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	50.0	0	11.0	70.0	0	0
Total opportunities	0	0	52.0	0	12.0	76.0	0	0
Indicator value	**96.7%**	**96.8%**	**96.4%**	**98.1%**	**97.5%**	**93.8%**	**93.6%**	**93.6%**

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	68.0	67.0	75.0	71.0	76.0	76.0	75.0	76.0
Total Key personnel	71.0	71.0	81.0	77.0	77.0	76.0	75.0	77.0
Indicator value	**95.8%**	**94.4%**	**92.6%**	**92.2%**	**98.7%**	**100.0%**	**100.0%**	**98.7%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	215	215	208	214	216	211	208	215
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.7%**	**99.0%**	**98.7%**	**98.6%**	**98.7%**	**98.3%**	**98.3%**	**98.4%**

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

Comanche Peak 2

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	2.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1735.9	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	1735.9	2159.0	2184.0
Indicator value	**2.6**	**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)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-4.10E-07	-4.10E-07	-4.10E-07	-4.60E-07	-5.30E-07
URI (ΔCDF)				-1.20E-07	-6.70E-08	-8.80E-08	-1.30E-06	-1.20E-06
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.30E-07**	**-4.77E-07**	**-4.98E-07**	**-1.76E-06**	**-1.73E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)				-3.70E-08	-3.50E-08	-3.50E-08	-3.40E-08	-3.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.11E-07**	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-7.90E-08	-8.00E-08	-8.10E-08	-8.10E-08	-8.10E-08
URI (ΔCDF)				-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.29E-07**	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-4.60E-09	-6.00E-09	-7.50E-09	-7.50E-09	-7.50E-09
URI (ΔCDF)				-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.66E-08**	**-2.80E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-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)				4.00E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07
URI (ΔCDF)				-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**1.80E-07**	**1.20E-07**	**1.10E-07**	**1.10E-07**	**1.10E-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	0.000248	0.000229	0.000200	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**
Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.3**	**0.3**	**1.6**	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	0	50.0	0	11.0	70.0	0	0	0
Total opportunities	0	52.0	0	12.0	76.0	0	0	0
Indicator value	**96.8%**	**96.4%**	**98.1%**	**97.5%**	**93.8%**	**93.6%**	**93.6%**	**93.6%**

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	67.0	75.0	71.0	76.0	76.0	75.0	76.0	73.0
Total Key personnel	71.0	81.0	77.0	77.0	76.0	75.0	77.0	77.0
Indicator value	**94.4%**	**92.6%**	**92.2%**	**98.7%**	**100.0%**	**100.0%**	**98.7%**	**94.8%**

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	215	208	214	216	211	208	215	215
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**99.0%**	**98.7%**	**98.6%**	**98.7%**	**98.3%**	**98.3%**	**98.4%**	**98.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Comanche Peak 2

3Q/2007 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1735.9	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1735.9	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					1.0	0	0	0
Indicator value								**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-4.10E-07	-4.10E-07	-4.10E-07	-4.60E-07	-5.30E-07	-5.30E-07
URI (ΔCDF)			-1.20E-07	-6.70E-08	-8.80E-08	-1.30E-06	-1.20E-06	-1.20E-06
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.30E-07**	**-4.77E-07**	**-4.98E-07**	**-1.76E-06**	**-1.73E-06**	**-1.73E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)			-3.70E-08	-3.50E-08	-3.50E-08	-3.40E-08	-3.40E-08	-3.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.11E-07**	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-7.90E-08	-8.00E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08
URI (ΔCDF)			-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.29E-07**	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**	**-2.21E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-4.60E-09	-6.00E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09
URI (ΔCDF)			-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.66E-08**	**-2.80E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-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)			4.00E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07
URI (ΔCDF)			-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**1.80E-07**	**1.20E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-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	0.000207	0.000301	0.000228	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**
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	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	50.0	0	11.0	70.0	0	0	0	26.0
Total opportunities	52.0	0	12.0	76.0	0	0	0	26.0
Indicator value	**96.4%**	**98.1%**	**97.5%**	**93.8%**	**93.6%**	**93.6%**	**93.6%**	**94.6%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	75.0	71.0	76.0	76.0	75.0	76.0	73.0	70.0
Total Key personnel	81.0	77.0	77.0	76.0	75.0	77.0	77.0	72.0
Indicator value	**92.6%**	**92.2%**	**98.7%**	**100.0%**	**100.0%**	**98.7%**	**94.8%**	**97.2%**

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	208	214	216	211	208	215	215	212
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.7%**	**98.6%**	**98.7%**	**98.3%**	**98.3%**	**98.4%**	**98.3%**	**98.4%**

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	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

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

Comanche Peak 2

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	2.0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1735.9	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	1735.9	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				1.0	0	0	0	0
Indicator value							**1.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-4.10E-07	-4.10E-07	-4.10E-07	-4.60E-07	-5.30E-07	-5.30E-07	-5.30E-07
URI (ΔCDF)		-1.20E-07	-6.70E-08	-8.80E-08	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.30E-07**	**-4.77E-07**	**-4.98E-07**	**-1.76E-06**	**-1.73E-06**	**-1.73E-06**	**-1.73E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)		-3.70E-08	-3.50E-08	-3.50E-08	-3.40E-08	-3.40E-08	-3.30E-08	-3.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.11E-07**	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-7.90E-08	-8.00E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08
URI (ΔCDF)		-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.29E-07**	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**	**-2.21E-07**	**-2.21E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-4.60E-09	-6.00E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09
URI (ΔCDF)		-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.66E-08**	**-2.80E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.00E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07
URI (ΔCDF)		-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**1.80E-07**	**1.20E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-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	0.000231	0.000252	0.000298	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**	**0.5**	**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	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	11.0	70.0	0	0	0	26.0	52.0
Total opportunities	0	12.0	76.0	0	0	0	26.0	52.0
Indicator value	**98.1%**	**97.5%**	**93.8%**	**93.6%**	**93.6%**	**93.6%**	**94.6%**	**95.8%**

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	71.0	76.0	76.0	75.0	76.0	73.0	70.0	72.0
Total Key personnel	77.0	77.0	76.0	75.0	77.0	77.0	72.0	73.0
Indicator value	**92.2%**	**98.7%**	**100.0%**	**100.0%**	**98.7%**	**94.8%**	**97.2%**	**98.6%**

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	214	216	211	208	215	215	212	213
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.6%**	**98.7%**	**98.3%**	**98.3%**	**98.4%**	**98.3%**	**98.4%**	**99.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Comanche Peak 2

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	2.0	0	0	0	0	2.0
Critical hours	2183.0	2208.0	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8
Indicator value	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**1.6**

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	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8
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			1.0	0	0	0	0	0
Indicator value						**1.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-4.10E-07	-4.10E-07	-4.10E-07	-4.60E-07	-5.30E-07	-5.30E-07	-5.30E-07	-4.60E-07
URI (ΔCDF)	-1.20E-07	-6.70E-08	-8.80E-08	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-07**	**-4.77E-07**	**-4.98E-07**	**-1.76E-06**	**-1.73E-06**	**-1.73E-06**	**-1.73E-06**	**-1.66E-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/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)	-3.70E-08	-3.50E-08	-3.50E-08	-3.40E-08	-3.40E-08	-3.30E-08	-3.20E-08	-3.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.11E-07**	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-7.90E-08	-8.00E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.40E-08
URI (ΔCDF)	-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.29E-07**	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-4.60E-09	-6.00E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-3.40E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.66E-08**	**-2.80E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	4.00E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.20E-07
URI (ΔCDF)	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.20E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-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	0.000350	0.000531	0.000776	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.2**	**0.3**	**0.3**	**1.6**	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**
Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	11.0	70.0	0	0	0	26.0	52.0	22.0
Total opportunities	12.0	76.0	0	0	0	26.0	52.0	24.0
Indicator value	**97.5%**	**93.8%**	**93.6%**	**93.6%**	**93.6%**	**94.6%**	**95.8%**	**95.3%**

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	76.0	76.0	75.0	76.0	73.0	70.0	72.0	81.0
Total Key personnel	77.0	76.0	75.0	77.0	77.0	72.0	73.0	88.0
Indicator value	**98.7%**	**100.0%**	**100.0%**	**98.7%**	**94.8%**	**97.2%**	**98.6%**	**92.0%**

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	216	211	208	215	215	212	213	213
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.7%**	**98.3%**	**98.3%**	**98.4%**	**98.3%**	**98.4%**	**99.0%**	**98.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Comanche Peak 2

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	2.0	0	0	0	0	2.0	0
Critical hours	2208.0	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1
Indicator value	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**1.6**	**1.7**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		1.0	0	0	0	0	0	0
Indicator value					**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)	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)	-4.10E-07	-4.10E-07	-4.60E-07	-5.30E-07	-5.30E-07	-5.30E-07	-4.60E-07	-4.60E-07
URI (ΔCDF)	-6.70E-08	-8.80E-08	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.77E-07**	**-4.98E-07**	**-1.76E-06**	**-1.73E-06**	**-1.73E-06**	**-1.73E-06**	**-1.66E-06**	**-1.66E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI (ΔCDF)	-3.50E-08	-3.50E-08	-3.40E-08	-3.40E-08	-3.30E-08	-3.20E-08	-3.10E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.09E-07**	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	-8.00E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.40E-08	-1.50E-07
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**	**-2.80E-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)	-6.00E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-3.40E-10	-3.90E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**	**-2.24E-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)	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.20E-07	-2.20E-07
URI (ΔCDF)	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**-4.40E-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	0.001180	0.001310	0.006990	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.3**	**0.3**	**1.6**	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	70.0	0	0	0	26.0	52.0	22.0	25.0
Total opportunities	76.0	0	0	0	26.0	52.0	24.0	26.0
Indicator value	**93.8%**	**93.6%**	**93.6%**	**93.6%**	**94.6%**	**95.8%**	**95.3%**	**95.6%**

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	76.0	75.0	76.0	73.0	70.0	72.0	81.0	76.0
Total Key personnel	76.0	75.0	77.0	77.0	72.0	73.0	88.0	78.0
Indicator value	**100.0%**	**100.0%**	**98.7%**	**94.8%**	**97.2%**	**98.6%**	**92.0%**	**97.4%**

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	211	208	215	215	212	213	213	211
Total sirens-tests	216	216	216	216	216	216	216	216
Indicator value	**98.3%**	**98.3%**	**98.4%**	**98.3%**	**98.4%**	**99.0%**	**98.7%**	**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	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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.

Comanche Peak 2

3Q/2008 Performance Indicators

Licensee's General Comments: Based on feedback received from a review of Mitigating Systems Performance Index (MSPI) data supplied to the Nuclear Regulatory Commission (NRC) and the Idaho National Laboratory (INL), an error was noted in the Unit 2 Train A EDG unplanned UA baseline (UABLU). This PRA value was corrected to match the approved site MSPI Bases document.

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	2.0	0	0	0	0	2.0	0	0
Critical hours	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1	2208.0
Indicator value	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**1.6**	**1.7**	**1.7**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1735.9	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	0
Indicator value				**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)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.50E-07	-3.00E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.00E-07	-3.00E-07	-3.00E-07
URI (ΔCDF)	-8.80E-08	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.38E-07**	**-1.60E-06**	**-1.56E-06**	**-1.56E-06**	**-1.56E-06**	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**

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).

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)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.50E-08
URI (ΔCDF)	-3.50E-08	-3.40E-08	-3.40E-08	-3.30E-08	-3.20E-08	-3.10E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.09E-07**	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.40E-08	-1.50E-07	-1.50E-07
URI (ΔCDF)	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-07**	**-2.31E-07**	**-2.21E-07**	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-3.40E-10	-3.90E-10	-3.90E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**	**-2.24E-08**	**-2.24E-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)	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.20E-07	-2.20E-07	-2.20E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**-4.40E-07**	**-4.40E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.002210	0.000180	0.000196	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.5**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**	**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	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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	0	0	0	26.0	52.0	22.0	25.0	36.0
Total opportunities	0	0	0	26.0	52.0	24.0	26.0	37.0
Indicator value	**93.6%**	**93.6%**	**93.6%**	**94.6%**	**95.8%**	**95.3%**	**95.6%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	75.0	76.0	73.0	70.0	72.0	81.0	76.0	76.0
Total Key personnel	75.0	77.0	77.0	72.0	73.0	88.0	78.0	79.0
Indicator value	**100.0%**	**98.7%**	**94.8%**	**97.2%**	**98.6%**	**92.0%**	**97.4%**	**96.2%**

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	208	215	215	212	213	213	211	426
Total sirens-tests	216	216	216	216	216	216	216	432
Indicator value	**98.3%**	**98.4%**	**98.3%**	**98.4%**	**99.0%**	**98.7%**	**98.3%**	**98.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

Comanche Peak 2

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	2.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1	2208.0	2209.0
Indicator value	**1.7**	**1.7**	**1.7**	**0**	**1.6**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2097.8	1753.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-3.00E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07
URI (ΔCDF)	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-1.56E-06**	**-1.56E-06**	**-1.56E-06**	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**	**-1.40E-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)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.50E-08	-7.50E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.30E-08	-3.20E-08	-3.10E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.40E-08	-1.50E-07	-1.50E-07	-1.50E-07
URI (ΔCDF)	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.31E-07**	**-2.21E-07**	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-7.50E-09	-7.50E-09	-7.50E-09	-7.50E-09	-3.40E-10	-3.90E-10	-3.90E-10	-3.90E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-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)	3.30E-07	3.30E-07	3.30E-07	3.30E-07	3.20E-07	-2.20E-07	-2.20E-07	-2.20E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000207	0.000294	0.000233	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**
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	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**1.3**	**0.7**	**3.9**	**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	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	0	0	26.0	52.0	22.0	25.0	36.0	0
Total opportunities	0	0	26.0	52.0	24.0	26.0	37.0	0
Indicator value	**93.6%**	**93.6%**	**94.6%**	**95.8%**	**95.3%**	**95.6%**	**97.6%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	76.0	73.0	70.0	72.0	81.0	76.0	76.0	76.0
Total Key personnel	77.0	77.0	72.0	73.0	88.0	78.0	79.0	82.0
Indicator value	**98.7%**	**94.8%**	**97.2%**	**98.6%**	**92.0%**	**97.4%**	**96.2%**	**92.7%**

Licensee Comments: none

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	215	215	212	213	213	211	426	427
Total sirens-tests	216	216	216	216	216	216	432	432
Indicator value	**98.4%**	**98.3%**	**98.4%**	**99.0%**	**98.7%**	**98.3%**	**98.4%**	**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	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Comanche Peak 2

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	2097.8	1753.1	2208.0	2209.0	2159.0
Indicator value	**1.7**	**1.7**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**

Licensee Comments:

1Q/08: The reactor shutdown occurrence of March 17, 2008 at 0506 was incorrectly classified as an "Unplanned Scram without complications". This change correctly classifies the reactor shutdown as a "Planned Shutdown" per station procedures. The reactor shutdown was a conservative management decision based on reactor core physics conditions in combination with balance of plant activities existing during unit restart at the time. There were no events or conditions that "forced" the reactor shutdown and therefore by definition it was a "Planned Shutdown".

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2097.8	1753.1	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-3.60E-07	-3.60E-07	-3.60E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.50E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.56E-06**	**-1.56E-06**	**-1.56E-06**	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.50E-08	-7.50E-08	-1.50E-08
URI (ΔCDF)	-3.40E-08	-3.30E-08	-3.20E-08	-3.10E-08	-3.30E-08	-3.30E-08	-3.30E-08	-9.70E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-8.40E-08	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-07**	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-7.50E-09	-7.50E-09	-7.50E-09	-3.40E-10	-3.90E-10	-3.90E-10	-3.90E-10	-4.30E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.95E-08**	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	3.30E-07	3.30E-07	3.30E-07	3.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-1.80E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-7.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.10E-07**	**1.10E-07**	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000244	0.000364	0.000340	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**
Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**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	**4/07**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	26.0	52.0	22.0	25.0	36.0	0	32.0
Total opportunities	0	26.0	52.0	24.0	26.0	37.0	0	32.0
Indicator value	**93.6%**	**94.6%**	**95.8%**	**95.3%**	**95.6%**	**97.6%**	**97.6%**	**98.0%**

Licensee Comments: none

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	73.0	70.0	72.0	81.0	76.0	76.0	76.0	80.0
Total Key personnel	77.0	72.0	73.0	88.0	78.0	79.0	82.0	83.0
Indicator value	**94.8%**	**97.2%**	**98.6%**	**92.0%**	**97.4%**	**96.2%**	**92.7%**	**96.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	215	212	213	213	211	426	427	432
Total sirens-tests	216	216	216	216	216	432	432	432
Indicator value	**98.3%**	**98.4%**	**99.0%**	**98.7%**	**98.3%**	**98.4%**	**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	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Comanche Peak 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2097.8	1753.1	2208.0	2209.0	2159.0	2184.0
Indicator value	**1.7**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2097.8	1753.1	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**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/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-3.60E-07	-3.60E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.50E-07	-3.50E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.30E-06	-1.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.56E-06**	**-1.56E-06**	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-3.30E-08	-3.20E-08	-3.10E-08	-3.30E-08	-3.30E-08	-3.30E-08	-9.70E-09	-9.70E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.07E-07**	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**	**-2.47E-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	-8.10E-08	-8.40E-08	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-07**	**-2.21E-07**	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**	**-2.80E-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)	-7.50E-09	-7.50E-09	-3.40E-10	-3.90E-10	-3.90E-10	-3.90E-10	-4.30E-10	-4.30E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.95E-08**	**-2.95E-08**	**-2.23E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	3.30E-07	3.30E-07	3.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-1.80E-07	-1.80E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-7.00E-08	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.10E-07**	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**	**-2.51E-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	0.000303	0.000540	0.000669	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**	**0**	**0**	**0.1**
Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	26.0	52.0	22.0	25.0	36.0	0	32.0	49.0
Total opportunities	26.0	52.0	24.0	26.0	37.0	0	32.0	51.0
Indicator value	**94.6%**	**95.8%**	**95.3%**	**95.6%**	**97.6%**	**97.6%**	**98.0%**	**97.6%**

Licensee Comments: none

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	70.0	72.0	81.0	76.0	76.0	76.0	80.0	83.0
Total Key personnel	72.0	73.0	88.0	78.0	79.0	82.0	83.0	86.0
Indicator value	**97.2%**	**98.6%**	**92.0%**	**97.4%**	**96.2%**	**92.7%**	**96.4%**	**96.5%**

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	212	213	213	211	426	427	432	424
Total sirens-tests	216	216	216	216	432	432	432	432
Indicator value	**98.4%**	**99.0%**	**98.7%**	**98.3%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**

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	1	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	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**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 22, 2009

Comanche Peak 2

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2097.8	1753.1	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2097.8	1753.1	2208.0	2209.0	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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-3.60E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.50E-07	-3.50E-07	-3.00E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.30E-06	-1.30E-06	-1.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.56E-06**	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**	**-1.60E-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)	-7.40E-08	-7.40E-08	-7.40E-08	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-3.20E-08	-3.10E-08	-3.30E-08	-3.30E-08	-3.30E-08	-9.70E-09	-9.70E-09	-9.70E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.06E-07**	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**	**-2.47E-08**	**-2.47E-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)	-8.10E-08	-8.40E-08	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-07**	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**	**-2.80E-07**	**-2.80E-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)	-7.50E-09	-3.40E-10	-3.90E-10	-3.90E-10	-3.90E-10	-4.30E-10	-4.30E-10	-4.30E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.95E-08**	**-2.23E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	3.30E-07	3.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-1.80E-07	-1.80E-07	-1.80E-07
URI (ΔCDF)	-2.20E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-7.00E-08	-7.10E-08	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**	**-2.51E-07**	**-2.51E-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	0.000472	0.000714	0.001580	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.2**	**0.4**	**1.3**	**0.7**	**3.9**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	52.0	22.0	25.0	36.0	0	32.0	49.0	20.0
Total opportunities	52.0	24.0	26.0	37.0	0	32.0	51.0	20.0
Indicator value	**95.8%**	**95.3%**	**95.6%**	**97.6%**	**97.6%**	**98.0%**	**97.6%**	**97.5%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	72.0	81.0	76.0	76.0	76.0	80.0	83.0	84.0
Total Key personnel	73.0	88.0	78.0	79.0	82.0	83.0	86.0	86.0
Indicator value	**98.6%**	**92.0%**	**97.4%**	**96.2%**	**92.7%**	**96.4%**	**96.5%**	**97.7%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	213	213	211	426	427	432	424	430
Total sirens-tests	216	216	216	432	432	432	432	432
Indicator value	**99.0%**	**98.7%**	**98.3%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments:

2Q/09: An entry into "High Radiation Area Occurences" was made in error for June 2009. The value has been corrected to "0"

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

Comanche Peak 2

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2097.8	1753.1	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2097.8	1753.1	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/09: Corrected the "Unplanned power changes" data for May 2009.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.50E-07	-3.50E-07	-3.00E-07	-2.90E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-06**	**-1.50E-06**	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-7.40E-08	-7.40E-08	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-3.10E-08	-3.30E-08	-3.30E-08	-3.30E-08	-9.70E-09	-9.70E-09	-9.70E-09	-9.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.05E-07**	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-8.40E-08	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
URI (ΔCDF)	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-9.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-07**	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-3.40E-10	-3.90E-10	-3.90E-10	-3.90E-10	-4.30E-10	-4.30E-10	-4.30E-10	-4.00E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.23E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**

Licensee Comments:

4Q/09: Added historical unavailability data for the past 3 years for the newly added RHR segment 3.

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)	3.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07
URI (ΔCDF)	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-7.00E-08	-7.10E-08	-7.10E-08	-6.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.005850	0.002980	0.017700	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**1.3**	**0.7**	**3.9**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	25.0	36.0	0	32.0	49.0	20.0	8.0
Total opportunities	24.0	26.0	37.0	0	32.0	51.0	20.0	8.0
Indicator value	**95.3%**	**95.6%**	**97.6%**	**97.6%**	**98.0%**	**97.6%**	**97.5%**	**97.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	81.0	76.0	76.0	76.0	80.0	83.0	84.0	85.0
Total Key personnel	88.0	78.0	79.0	82.0	83.0	86.0	86.0	87.0
Indicator value	**92.0%**	**97.4%**	**96.2%**	**92.7%**	**96.4%**	**96.5%**	**97.7%**	**97.7%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	213	211	426	427	432	424	430	428
Total sirens-tests	216	216	432	432	432	432	432	430
Indicator value	**98.7%**	**98.3%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**	**99.1%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Comanche Peak 2

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1753.1	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6	2159.0
Indicator value	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1753.1	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-3.00E-07	-3.00E-07	-3.00E-07	-3.50E-07	-3.50E-07	-3.00E-07	-2.90E-07	-2.94E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.10E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.28E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-06**	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**	**-1.60E-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/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-7.40E-08	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.42E-08
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-9.70E-09	-9.70E-09	-9.70E-09	-9.90E-09	-9.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.07E-07**	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**	**-2.40E-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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07
URI (ΔCDF)	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-9.60E-08	-8.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-07**	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-3.90E-10	-3.90E-10	-3.90E-10	-4.30E-10	-4.30E-10	-4.30E-10	-4.00E-10	-4.02E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.20E-07	-2.20E-07	-2.20E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.66E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.20E-07	-7.00E-08	-7.10E-08	-7.10E-08	-6.90E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000191	0.000211	0.000241	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**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	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	25.0	36.0	0	32.0	49.0	20.0	8.0	6.0
Total opportunities	26.0	37.0	0	32.0	51.0	20.0	8.0	6.0
Indicator value	**95.6%**	**97.6%**	**97.6%**	**98.0%**	**97.6%**	**97.5%**	**97.0%**	**97.8%**

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	76.0	76.0	76.0	80.0	83.0	84.0	85.0	82.0
Total Key personnel	78.0	79.0	82.0	83.0	86.0	86.0	87.0	83.0
Indicator value	**97.4%**	**96.2%**	**92.7%**	**96.4%**	**96.5%**	**97.7%**	**97.7%**	**98.8%**

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	211	426	427	432	424	430	428	432
Total sirens-tests	216	432	432	432	432	432	430	432
Indicator value	**98.3%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 26, 2010

Comanche Peak 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6	2159.0	2184.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1634.6	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	0	0	0	0	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/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-3.00E-07	-3.00E-07	-3.50E-07	-3.50E-07	-3.00E-07	-2.90E-07	-2.94E-07	-3.06E-07
URI (ΔCDF)	-1.20E-06	-1.10E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.28E-06	-1.28E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-06**	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.42E-08	-1.42E-08
URI (ΔCDF)	-3.30E-08	-3.30E-08	-9.70E-09	-9.70E-09	-9.70E-09	-9.90E-09	-9.90E-09	-9.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-1.08E-07**	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**	**-2.40E-08**	**-2.40E-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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.51E-07
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-9.60E-08	-8.60E-08	-9.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-07**	**-2.70E-07**	**-2.90E-07**	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-3.90E-10	-3.90E-10	-4.30E-10	-4.30E-10	-4.30E-10	-4.00E-10	-4.02E-10	-4.02E-10
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.59E-08	-2.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.20E-07	-2.20E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.66E-07	-1.64E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-7.00E-08	-7.10E-08	-7.10E-08	-6.90E-08	-6.85E-08	-7.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-4.40E-07**	**-2.50E-07**	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**

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	0.000282	0.000295	0.000287	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**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	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

6/10: The Comanche Peak Technical Specification (TS) limit for Identified Leakage is 10 gpm, and the TS limit for Unidentified Leakage is 1 gpm. Comanche Peak total calculated RCS leakage is normally much less than 1 gpm (recent baseline data was 0.041 gpm on Unit 2). For this magnitude of leak, Comanche Peak typically does not identify the leak source; therefore, this leakage is considered Unidentified Leakage. Under these conditions, we report to INPO CDE our Maximum RCS Unidentified Leakage, as measured, and our Maximum RCS Identified Leakage as 0.0 gpm (per the TS definition of Identified Leakage), in accordance with NEI 99-02, R6. Comanche Peak also administratively begins a process to identify the leak source when repeated RCS Unidentified Leakage test results are as low as >0.1 gpm (CPNPP action levels follow PWROG guidelines for RCS leakage). An FAQ has been submitted to the NEI ROP Task Force to clarify this method of reporting.

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	36.0	0	32.0	49.0	20.0	8.0	6.0	8.0
Total opportunities	37.0	0	32.0	51.0	20.0	8.0	6.0	9.0
Indicator value	**97.6%**	**97.6%**	**98.0%**	**97.6%**	**97.5%**	**97.0%**	**97.8%**	**97.5%**

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	76.0	76.0	80.0	83.0	84.0	85.0	82.0	77.0
Total Key personnel	79.0	82.0	83.0	86.0	86.0	87.0	83.0	81.0
Indicator value	**96.2%**	**92.7%**	**96.4%**	**96.5%**	**97.7%**	**97.7%**	**98.8%**	**95.1%**

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	426	427	432	424	430	428	432	432
Total sirens-tests	432	432	432	432	432	430	432	432
Indicator value	**98.4%**	**98.5%**	**98.9%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: July 26, 2010

Comanche Peak 2

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1634.6	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1634.6	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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-3.00E-07	-3.50E-07	-3.50E-07	-3.00E-07	-2.90E-07	-2.94E-07	-3.06E-07	-3.14E-07
URI (ΔCDF)	-1.10E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.28E-06	-1.28E-06	-1.29E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.65E-06**	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-7.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.42E-08	-1.42E-08	-1.32E-08
URI (ΔCDF)	-3.30E-08	-9.70E-09	-9.70E-09	-9.70E-09	-9.90E-09	-9.90E-09	-9.91E-09	-1.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.51E-07	-1.51E-07
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-9.60E-08	-8.60E-08	-9.44E-08	-9.09E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-07**	**-2.90E-07**	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-3.90E-10	-4.30E-10	-4.30E-10	-4.30E-10	-4.00E-10	-4.02E-10	-4.02E-10	-4.02E-10
URI (ΔCDF)	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.59E-08	-2.59E-08	-2.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-2.20E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.66E-07	-1.64E-07	-1.66E-07
URI (ΔCDF)	-2.20E-07	-7.00E-08	-7.10E-08	-7.10E-08	-6.90E-08	-6.85E-08	-7.20E-08	-7.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-2.50E-07**	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**

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	0.000304	0.000316	0.000417	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**
Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/08**	**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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0	0.068	0.080	0.062
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**

Licensee Comments:

9/10: RCS Total Leakage is being reported as Identified Leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	0	32.0	49.0	20.0	8.0	6.0	8.0	13.0
Total opportunities	0	32.0	51.0	20.0	8.0	6.0	9.0	13.0
Indicator value	**97.6%**	**98.0%**	**97.6%**	**97.5%**	**97.0%**	**97.8%**	**97.5%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	76.0	80.0	83.0	84.0	85.0	82.0	77.0	74.0
Total Key personnel	82.0	83.0	86.0	86.0	87.0	83.0	81.0	82.0
Indicator value	**92.7%**	**96.4%**	**96.5%**	**97.7%**	**97.7%**	**98.8%**	**95.1%**	**90.2%**

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	427	432	424	430	428	432	432	430
Total sirens-tests	432	432	432	432	430	432	432	432
Indicator value	**98.5%**	**98.9%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: October 25, 2010

Comanche Peak 2

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1634.6	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/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1634.6	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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-3.50E-07	-3.50E-07	-3.00E-07	-2.90E-07	-2.94E-07	-3.06E-07	-3.14E-07	-3.14E-07
URI (ΔCDF)	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.28E-06	-1.28E-06	-1.29E-06	-1.29E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.65E-06**	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.42E-08	-1.42E-08	-1.32E-08	-1.34E-08
URI (ΔCDF)	-9.70E-09	-9.70E-09	-9.70E-09	-9.90E-09	-9.90E-09	-9.91E-09	-1.00E-08	-1.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.51E-07	-1.51E-07	-1.51E-07
URI (ΔCDF)	-1.20E-07	-1.10E-07	-1.10E-07	-9.60E-08	-8.60E-08	-9.44E-08	-9.09E-08	-9.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-07**	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-4.30E-10	-4.30E-10	-4.30E-10	-4.00E-10	-4.02E-10	-4.02E-10	-4.02E-10	-4.02E-10
URI (ΔCDF)	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.59E-08	-2.59E-08	-2.59E-08	-2.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.66E-07	-1.64E-07	-1.66E-07	-1.66E-07
URI (ΔCDF)	-7.00E-08	-7.10E-08	-7.10E-08	-6.90E-08	-6.85E-08	-7.20E-08	-7.12E-08	-7.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**	**-2.40E-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	0.000343	0.000358	0.000380	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**
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	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0	0	0	0	0	0.068	0.080	0.062	0.073	0.067	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**

Licensee Comments:

12/10: RCS Total Leakage is being reported as Identified Leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	32.0	49.0	20.0	8.0	6.0	8.0	13.0	10.0
Total opportunities	32.0	51.0	20.0	8.0	6.0	9.0	13.0	10.0
Indicator value	**98.0%**	**97.6%**	**97.5%**	**97.0%**	**97.8%**	**97.5%**	**97.8%**	**98.0%**

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	80.0	83.0	84.0	85.0	82.0	77.0	74.0	82.0
Total Key personnel	83.0	86.0	86.0	87.0	83.0	81.0	82.0	82.0
Indicator value	**96.4%**	**96.5%**	**97.7%**	**97.7%**	**98.8%**	**95.1%**	**90.2%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	432	424	430	428	432	432	430	429
Total sirens-tests	432	432	432	430	432	432	432	430
Indicator value	**98.9%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.8%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: January 24, 2011

Comanche Peak 2

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	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-3.50E-07	-3.00E-07	-2.90E-07	-2.94E-07	-3.06E-07	-3.14E-07	-3.14E-07	-8.66E-08
URI (ΔCDF)	-1.30E-06	-1.30E-06	-1.30E-06	-1.28E-06	-1.28E-06	-1.29E-06	-1.29E-06	-3.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.65E-06**	**-1.60E-06**	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**

Licensee Comments:

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.42E-08	-1.42E-08	-1.32E-08	-1.34E-08	-1.23E-08
URI (ΔCDF)	-9.70E-09	-9.70E-09	-9.90E-09	-9.90E-09	-9.91E-09	-1.00E-08	-1.00E-08	-1.05E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.47E-08**	**-2.49E-08**	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**

Licensee Comments:

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.51E-07	-1.51E-07	-1.51E-07	-3.97E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-9.60E-08	-8.60E-08	-9.44E-08	-9.09E-08	-9.08E-08	-5.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-07**	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**

Licensee Comments:

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-4.30E-10	-4.30E-10	-4.00E-10	-4.02E-10	-4.02E-10	-4.02E-10	-4.02E-10	-7.36E-09
URI (ΔCDF)	-2.60E-08	-2.60E-08	-2.60E-08	-2.59E-08	-2.59E-08	-2.59E-08	-2.59E-08	1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.64E-08**	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**1.30E-07**

Licensee Comments:

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-1.80E-07	-1.80E-07	-1.80E-07	-1.66E-07	-1.64E-07	-1.66E-07	-1.66E-07	-1.12E-07
URI (ΔCDF)	-7.10E-08	-7.10E-08	-6.90E-08	-6.85E-08	-7.20E-08	-7.12E-08	-7.19E-08	-4.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.51E-07**	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**

Licensee Comments:

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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	0.000415	0.000384	0.000398	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**

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	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0	0	0	0.068	0.080	0.062	0.073	0.067	0.060	0.075	0.055	0.076
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**

Licensee Comments:

3/11: RCS Total Leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	49.0	20.0	8.0	6.0	8.0	13.0	10.0	19.0
Total opportunities	51.0	20.0	8.0	6.0	9.0	13.0	10.0	20.0
Indicator value	**97.6%**	**97.5%**	**97.0%**	**97.8%**	**97.5%**	**97.8%**	**98.0%**	**97.1%**

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	83.0	84.0	85.0	82.0	77.0	74.0	82.0	84.0
Total Key personnel	86.0	86.0	87.0	83.0	81.0	82.0	82.0	84.0
Indicator value	**96.5%**	**97.7%**	**97.7%**	**98.8%**	**95.1%**	**90.2%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	424	430	428	432	432	430	429	430
Total sirens-tests	432	432	430	432	432	432	430	432
Indicator value	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: May 4, 2011

Comanche Peak 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-3.00E-07	-2.90E-07	-2.94E-07	-3.06E-07	-3.14E-07	-3.14E-07	-8.66E-08	-5.64E-08
URI (ΔCDF)	-1.30E-06	-1.30E-06	-1.28E-06	-1.28E-06	-1.29E-06	-1.29E-06	-3.02E-07	-1.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**	**-2.20E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.42E-08	-1.42E-08	-1.32E-08	-1.34E-08	-1.23E-08	-1.23E-08
URI (ΔCDF)	-9.70E-09	-9.90E-09	-9.90E-09	-9.91E-09	-1.00E-08	-1.00E-08	-1.05E-08	-1.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.49E-08**	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-1.70E-07	-1.70E-07	-1.66E-07	-1.51E-07	-1.51E-07	-1.51E-07	-3.97E-08	-3.05E-08
URI (ΔCDF)	-1.10E-07	-9.60E-08	-8.60E-08	-9.44E-08	-9.09E-08	-9.08E-08	-5.36E-08	-5.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-07**	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-4.30E-10	-4.00E-10	-4.02E-10	-4.02E-10	-4.02E-10	-4.02E-10	-7.36E-09	-7.36E-09
URI (ΔCDF)	-2.60E-08	-2.60E-08	-2.59E-08	-2.59E-08	-2.59E-08	-2.59E-08	1.37E-07	1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.64E-08**	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**1.30E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-1.80E-07	-1.80E-07	-1.66E-07	-1.64E-07	-1.66E-07	-1.66E-07	-1.12E-07	-1.12E-07
URI (ΔCDF)	-7.10E-08	-6.90E-08	-6.85E-08	-7.20E-08	-7.12E-08	-7.19E-08	-4.47E-08	-4.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.51E-07**	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000421	0.000415	0.000796	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.068	0.080	0.062	0.073	0.067	0.060	0.075	0.055	0.076	0.029	0.076	0.066
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**

Licensee Comments:

6/11: RCS Total Leakage is being reported as Identified Leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	20.0	8.0	6.0	8.0	13.0	10.0	19.0	23.0
Total opportunities	20.0	8.0	6.0	9.0	13.0	10.0	20.0	24.0
Indicator value	**97.5%**	**97.0%**	**97.8%**	**97.5%**	**97.8%**	**98.0%**	**97.1%**	**97.3%**

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	84.0	85.0	82.0	77.0	74.0	82.0	84.0	84.0
Total Key personnel	86.0	87.0	83.0	81.0	82.0	82.0	84.0	84.0
Indicator value	**97.7%**	**97.7%**	**98.8%**	**95.1%**	**90.2%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	430	428	432	432	430	429	430	431
Total sirens-tests	432	430	432	432	432	430	432	432
Indicator value	**99.1%**	**99.3%**	**99.3%**	**99.8%**	**99.8%**	**99.8%**	**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	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2011

Comanche Peak 2

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	0	0	0	0	0	1.0	0
Critical hours	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1634.6	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	0	0	0	0	0	1	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**

Licensee Comments:

3Q/11: LER 446/11-003-00

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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-2.90E-07	-2.94E-07	-3.06E-07	-3.14E-07	-3.14E-07	-8.66E-08	-5.64E-08	-2.57E-08
URI (ΔCDF)	-1.30E-06	-1.28E-06	-1.28E-06	-1.29E-06	-1.29E-06	-3.02E-07	-1.67E-07	1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.59E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**	**-2.20E-07**	**1.20E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-1.50E-08	-1.42E-08	-1.42E-08	-1.32E-08	-1.34E-08	-1.23E-08	-1.23E-08	-1.57E-10
URI (ΔCDF)	-9.90E-09	-9.90E-09	-9.91E-09	-1.00E-08	-1.00E-08	-1.05E-08	-1.01E-08	-3.43E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.49E-08**	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-1.70E-07	-1.66E-07	-1.51E-07	-1.51E-07	-1.51E-07	-3.97E-08	-3.05E-08	-1.44E-06
URI (ΔCDF)	-9.60E-08	-8.60E-08	-9.44E-08	-9.09E-08	-9.08E-08	-5.36E-08	-5.55E-08	-2.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.66E-07**	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-4.00E-10	-4.02E-10	-4.02E-10	-4.02E-10	-4.02E-10	-7.36E-09	-7.36E-09	-1.38E-09
URI (ΔCDF)	-2.60E-08	-2.59E-08	-2.59E-08	-2.59E-08	-2.59E-08	1.37E-07	1.37E-07	-3.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.64E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**1.30E-07**	**1.30E-07**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-1.80E-07	-1.66E-07	-1.64E-07	-1.66E-07	-1.66E-07	-1.12E-07	-1.12E-07	-9.47E-08
URI (ΔCDF)	-6.90E-08	-6.85E-08	-7.20E-08	-7.12E-08	-7.19E-08	-4.47E-08	-4.34E-08	-1.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.49E-07**	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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	0.000972	0.000239	0.000219	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.2**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0	0	0	0	0	0	0	0	0	0.068	0.080	0.062
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**

Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	0.073	0.067	0.060	0.075	0.055	0.076	0.029	0.076	0.066	0.070	0.075	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**

Licensee Comments:

9/11: RCS Total Leakage is being reported as Identified Leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	8.0	6.0	8.0	15.0	10.0	19.0	23.0	35.0
Total opportunities	8.0	6.0	9.0	16.0	10.0	20.0	24.0	37.0
Indicator value	**97.0%**	**97.8%**	**97.5%**	**97.2%**	**97.4%**	**96.4%**	**96.5%**	**95.4%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

3Q/10: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for September to include unexpected simulator drill opportunities that were not included in the original indicator data submission.

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	85.0	82.0	77.0	74.0	82.0	84.0	84.0	87.0
Total Key personnel	87.0	83.0	81.0	82.0	82.0	84.0	86.0	87.0
Indicator value	**97.7%**	**98.8%**	**95.1%**	**90.2%**	**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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	428	432	432	430	429	430	431	432
Total sirens-tests	430	432	432	432	430	432	432	432
Indicator value	**99.3%**	**99.3%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: November 29, 2011

Comanche Peak 2

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-2.94E-07	-3.06E-07	-3.14E-07	-3.14E-07	-8.66E-08	-5.64E-08	-2.57E-08	-2.39E-08
URI (ΔCDF)	-1.28E-06	-1.28E-06	-1.29E-06	-1.29E-06	-3.02E-07	-1.67E-07	1.44E-07	1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**	**-2.20E-07**	**1.20E-07**	**1.30E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.42E-08	-1.42E-08	-1.32E-08	-1.34E-08	-1.23E-08	-1.23E-08	-1.57E-10	-1.58E-10
URI (ΔCDF)	-9.90E-09	-9.91E-09	-1.00E-08	-1.00E-08	-1.05E-08	-1.01E-08	-3.43E-10	-3.35E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-08**	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-1.66E-07	-1.51E-07	-1.51E-07	-1.51E-07	-3.97E-08	-3.05E-08	-1.44E-06	-1.44E-06
URI (ΔCDF)	-8.60E-08	-9.44E-08	-9.09E-08	-9.08E-08	-5.36E-08	-5.55E-08	-2.41E-07	-2.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-4.02E-10	-4.02E-10	-4.02E-10	-4.02E-10	-7.36E-09	-7.36E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	-2.59E-08	-2.59E-08	-2.59E-08	-2.59E-08	1.37E-07	1.37E-07	-3.89E-09	-3.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**1.30E-07**	**1.30E-07**	**-5.30E-09**	**-5.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.66E-07	-1.64E-07	-1.66E-07	-1.66E-07	-1.12E-07	-1.12E-07	-9.47E-08	-9.47E-08
URI (ΔCDF)	-6.85E-08	-7.20E-08	-7.12E-08	-7.19E-08	-4.47E-08	-4.34E-08	-1.13E-07	-1.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**-2.40E-07**	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000231	0.000248	0.000296	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**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	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0	0	0	0	0	0	0.068	0.080	0.062	0.073	0.067	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**

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	0.075	0.055	0.076	0.029	0.076	0.066	0.070	0.075	0.077	0.062	0.065	0.063
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**

Licensee Comments:

12/11: RCS Total Leakage is being reported as Identified Leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	6.0	8.0	15.0	10.0	19.0	23.0	35.0	6.0
Total opportunities	6.0	9.0	16.0	10.0	20.0	24.0	37.0	6.0
Indicator value	**97.8%**	**97.5%**	**97.2%**	**97.4%**	**96.4%**	**96.5%**	**95.4%**	**95.3%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

3Q/10: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for September to include unexpected simulator drill opportunities that were not included in the original indicator data submission.

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	82.0	77.0	74.0	82.0	84.0	84.0	87.0	88.0
Total Key personnel	83.0	81.0	82.0	82.0	84.0	86.0	87.0	88.0
Indicator value	**98.8%**	**95.1%**	**90.2%**	**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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	432	432	430	429	430	431	432	431
Total sirens-tests	432	432	432	430	432	432	432	431
Indicator value	**99.3%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: February 2, 2012

Comanche Peak 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	1	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**2**	**2**	**2**

Licensee Comments:

3Q/11: LER 446/11-003-00

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-3.06E-07	-3.14E-07	-3.14E-07	-8.66E-08	-5.64E-08	-2.57E-08	-2.39E-08	-1.28E-08
URI (ΔCDF)	-1.28E-06	-1.29E-06	-1.29E-06	-3.02E-07	-1.67E-07	1.44E-07	1.50E-07	1.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**	**-2.20E-07**	**1.20E-07**	**1.30E-07**	**1.40E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-1.42E-08	-1.32E-08	-1.34E-08	-1.23E-08	-1.23E-08	-1.57E-10	-1.58E-10	-1.32E-10
URI (ΔCDF)	-9.91E-09	-1.00E-08	-1.00E-08	-1.05E-08	-1.01E-08	-3.43E-10	-3.35E-10	7.16E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**	**5.80E-10**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-1.51E-07	-1.51E-07	-1.51E-07	-3.97E-08	-3.05E-08	-1.44E-06	-1.44E-06	-1.44E-06
URI (ΔCDF)	-9.44E-08	-9.09E-08	-9.08E-08	-5.36E-08	-5.55E-08	-2.41E-07	-2.53E-07	-2.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-4.02E-10	-4.02E-10	-4.02E-10	-7.36E-09	-7.36E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	-2.59E-08	-2.59E-08	-2.59E-08	1.37E-07	1.37E-07	-3.89E-09	-3.90E-09	-3.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.60E-08**	**-2.60E-08**	**1.30E-07**	**1.30E-07**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-1.64E-07	-1.66E-07	-1.66E-07	-1.12E-07	-1.12E-07	-9.47E-08	-9.47E-08	-9.57E-08
URI (ΔCDF)	-7.20E-08	-7.12E-08	-7.19E-08	-4.47E-08	-4.34E-08	-1.13E-07	-1.13E-07	-1.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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	0.000285	0.000243	0.000256	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**
Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0	0	0	0.068	0.080	0.062	0.073	0.067	0.060	0.075	0.055	0.076
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**

Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.029	0.076	0.066	0.070	0.075	0.077	0.062	0.065	0.063	0.064	0.068	0.068
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**

Licensee Comments:

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

6/11: RCS Total Leakage is being reported as Identified Leakage.

3/11: RCS Total Leakage is being reported as identified leakage.

12/10: RCS Total Leakage is being reported as Identified Leakage.

9/10: RCS Total Leakage is being reported as Identified Leakage.

6/10: The Comanche Peak Technical Specification (TS) limit for Identified Leakage is 10 gpm, and the TS limit for Unidentified Leakage is 1 gpm. Comanche Peak total calculated RCS leakage is normally much less than 1 gpm (recent baseline data was 0.041 gpm on Unit 2). For this magnitude of leak, Comanche Peak typically does not identify the leak source; therefore, this leakage is considered Unidentified Leakage. Under these conditions, we report to INPO CDE our Maximum RCS Unidentified Leakage, as measured, and our Maximum RCS Identified

Leakage as 0.0 gpm (per the TS definition of Identified Leakage), in accordance with NEI 99-02, R6. Comanche Peak also administratively begins a process to identify the leak source when repeated RCS Unidentified Leakage test results are as low as >0.1 gpm (CPNPP action levels follow PWROG guidelines for RCS leakage). An FAQ has been submitted to the NEI ROP Task Force to clarify this method of reporting.

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	8.0	15.0	10.0	19.0	23.0	35.0	6.0	7.0
Total opportunities	9.0	16.0	10.0	20.0	24.0	37.0	6.0	11.0
Indicator value	**97.5%**	**97.2%**	**97.4%**	**96.4%**	**96.5%**	**95.4%**	**95.3%**	**92.5%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

3Q/10: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for September to include unexpected simulator drill opportunities that were not included in the original indicator data submission.

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	77.0	74.0	82.0	84.0	84.0	87.0	88.0	79.0
Total Key personnel	81.0	82.0	82.0	84.0	86.0	87.0	88.0	80.0
Indicator value	**95.1%**	**90.2%**	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**98.8%**

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	432	430	429	430	431	432	431	360
Total sirens-tests	432	432	430	432	432	432	431	360
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Comanche Peak 2

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7
Indicator value	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	0	0	1	1	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**2**	**2**	**2**	**1**

Licensee Comments:

3Q/11: LER 446/11-003-00

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-3.14E-07	-3.14E-07	-8.66E-08	-5.64E-08	-2.57E-08	-2.39E-08	-1.28E-08	2.36E-08
URI (ΔCDF)	-1.29E-06	-1.29E-06	-3.02E-07	-1.67E-07	1.44E-07	1.50E-07	1.52E-07	3.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-1.60E-06**	**-3.90E-07**	**-2.20E-07**	**1.20E-07**	**1.30E-07**	**1.40E-07**	**3.40E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.32E-08	-1.34E-08	-1.23E-08	-1.23E-08	-1.57E-10	-1.58E-10	-1.32E-10	-1.46E-10
URI (ΔCDF)	-1.00E-08	-1.00E-08	-1.05E-08	-1.01E-08	-3.43E-10	-3.35E-10	7.16E-10	7.07E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**	**5.80E-10**	**5.60E-10**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.51E-07	-1.51E-07	-3.97E-08	-3.05E-08	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06
URI (ΔCDF)	-9.09E-08	-9.08E-08	-5.36E-08	-5.55E-08	-2.41E-07	-2.53E-07	-2.64E-07	-2.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-4.02E-10	-4.02E-10	-7.36E-09	-7.36E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	-2.59E-08	-2.59E-08	1.37E-07	1.37E-07	-3.89E-09	-3.90E-09	-3.90E-09	-3.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.60E-08**	**1.30E-07**	**1.30E-07**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-1.66E-07	-1.66E-07	-1.12E-07	-1.12E-07	-9.47E-08	-9.47E-08	-9.57E-08	-9.45E-08
URI (ΔCDF)	-7.12E-08	-7.19E-08	-4.47E-08	-4.34E-08	-1.13E-07	-1.13E-07	-1.14E-07	-1.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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	0.000299	0.000266	0.000288	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**
Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.068	0.080	0.062	0.073	0.067	0.060	0.075	0.055	0.076	0.029	0.076	0.066
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.6**	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**
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	0.070	0.075	0.077	0.062	0.065	0.063	0.064	0.068	0.068	0.081	0.072	0.069
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**

Licensee Comments:

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

6/11: RCS Total Leakage is being reported as Identified Leakage.

3/11: RCS Total Leakage is being reported as identified leakage.

12/10: RCS Total Leakage is being reported as Identified Leakage.

9/10: RCS Total Leakage is being reported as Identified Leakage.

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	15.0	10.0	19.0	23.0	35.0	6.0	7.0	24.0
Total opportunities	16.0	10.0	20.0	24.0	36.0	6.0	11.0	25.0
Indicator value	**97.2%**	**97.4%**	**96.4%**	**96.5%**	**96.1%**	**96.1%**	**93.2%**	**93.9%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

3Q/10: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for September to include unexpected simulator drill opportunities that were not included in the original indicator data submission.

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	74.0	82.0	84.0	84.0	87.0	88.0	79.0	80.0
Total Key personnel	82.0	82.0	84.0	86.0	87.0	88.0	80.0	83.0
Indicator value	**90.2%**	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**

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	430	429	430	431	432	431	360	432
Total sirens-tests	432	430	432	432	432	431	360	432
Indicator value	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

Comanche Peak 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**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	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0
Indicator value	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**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	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	0	1	1	0	0	0	0
Indicator value	**0**	**0**	**1**	**2**	**2**	**2**	**1**	**0**

Licensee Comments:

3Q/11: LER 446/11-003-00

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-3.14E-07	-8.66E-08	-5.64E-08	-2.57E-08	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08
URI (ΔCDF)	-1.29E-06	-3.02E-07	-1.67E-07	1.44E-07	1.50E-07	1.52E-07	3.14E-07	3.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-06**	**-3.90E-07**	**-2.20E-07**	**1.20E-07**	**1.30E-07**	**1.40E-07**	**3.40E-07**	**3.60E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.34E-08	-1.23E-08	-1.23E-08	-1.57E-10	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10
URI (ΔCDF)	-1.00E-08	-1.05E-08	-1.01E-08	-3.43E-10	-3.35E-10	7.16E-10	7.07E-10	7.10E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**	**5.80E-10**	**5.60E-10**	**5.60E-10**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	-1.51E-07	-3.97E-08	-3.05E-08	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06
URI (ΔCDF)	-9.08E-08	-5.36E-08	-5.55E-08	-2.41E-07	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-4.02E-10	-7.36E-09	-7.36E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	-2.59E-08	1.37E-07	1.37E-07	-3.89E-09	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**1.30E-07**	**1.30E-07**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-1.66E-07	-1.12E-07	-1.12E-07	-9.47E-08	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08
URI (ΔCDF)	-7.19E-08	-4.47E-08	-4.34E-08	-1.13E-07	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-07**	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000280	0.000285	0.000293	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

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	0.073	0.067	0.060	0.075	0.055	0.076	0.029	0.076	0.066	0.070	0.075	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.7**	**0.6**	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**
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	0.062	0.065	0.063	0.064	0.068	0.068	0.081	0.072	0.069	0.057	0.062	0.071
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**

Licensee Comments:

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

6/11: RCS Total Leakage is being reported as Identified Leakage.

3/11: RCS Total Leakage is being reported as identified leakage.

12/10: RCS Total Leakage is being reported as Identified Leakage.

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	10.0	19.0	23.0	35.0	6.0	7.0	24.0	26.0
Total opportunities	10.0	20.0	24.0	36.0	6.0	11.0	25.0	26.0
Indicator value	**97.4%**	**96.4%**	**96.5%**	**96.1%**	**96.1%**	**93.2%**	**93.9%**	**94.9%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise

Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

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	82.0	84.0	84.0	87.0	88.0	79.0	80.0	84.0
Total Key personnel	82.0	84.0	86.0	87.0	88.0	80.0	83.0	88.0
Indicator value	**100.0%**	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**95.5%**

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	429	430	431	432	431	360	432	428
Total sirens-tests	430	432	432	432	431	360	432	432
Indicator value	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**100.0%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Comanche Peak 2

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	1.0	0	0	0	0	0	1.0
Critical hours	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	1.0	0	0	0	0	0	0	2.0
Critical hours	2159.0	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**1.7**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	0	1	1	0	0	0	0	0
Indicator value	**0**	**1**	**2**	**2**	**2**	**1**	**0**	**0**

Licensee Comments:

3Q/11: LER 446/11-003-00

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-8.66E-08	-5.64E-08	-2.57E-08	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08	3.69E-08
URI (ΔCDF)	-3.02E-07	-1.67E-07	1.44E-07	1.50E-07	1.52E-07	3.14E-07	3.24E-07	3.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-07**	**-2.20E-07**	**1.20E-07**	**1.30E-07**	**1.40E-07**	**3.40E-07**	**3.60E-07**	**3.60E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-1.23E-08	-1.23E-08	-1.57E-10	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10
URI (ΔCDF)	-1.05E-08	-1.01E-08	-3.43E-10	-3.35E-10	7.16E-10	7.07E-10	7.10E-10	4.63E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**	**5.80E-10**	**5.60E-10**	**5.60E-10**	**4.50E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-3.97E-08	-3.05E-08	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06
URI (ΔCDF)	-5.36E-08	-5.55E-08	-2.41E-07	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.30E-08**	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-7.36E-09	-7.36E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	1.37E-07	1.37E-07	-3.89E-09	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.30E-07**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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)	-1.12E-07	-1.12E-07	-9.47E-08	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08
URI (ΔCDF)	-4.47E-08	-4.34E-08	-1.13E-07	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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	0.000295	0.000307	0.002730	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0.1**	**0.6**	**0.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.075	0.055	0.076	0.029	0.076	0.066	0.070	0.075	0.077	0.062	0.065	0.063
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.6**	**0.8**	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**
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	0.064	0.068	0.068	0.081	0.072	0.069	0.057	0.062	0.071	0.220	0.298	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**

Licensee Comments:

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

6/11: RCS Total Leakage is being reported as Identified Leakage.

3/11: RCS Total Leakage is being reported as identified leakage.

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	19.0	23.0	35.0	6.0	7.0	24.0	26.0	2.0
Total opportunities	20.0	24.0	36.0	6.0	11.0	25.0	26.0	2.0
Indicator value	**96.4%**	**96.5%**	**96.1%**	**96.1%**	**93.2%**	**93.9%**	**94.9%**	**94.7%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

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	84.0	84.0	87.0	88.0	79.0	80.0	84.0	85.0
Total Key personnel	84.0	86.0	87.0	88.0	80.0	83.0	88.0	89.0
Indicator value	**100.0%**	**97.7%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**95.5%**	**95.5%**

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	430	431	432	431	360	432	428	432
Total sirens-tests	432	432	432	431	360	432	432	432
Indicator value	**99.7%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**100.0%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

Last Modified: January 23, 2013

Comanche Peak 2

1Q/2013 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	1.0	0	0	0	0	0	1.0	0
Critical hours	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**

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	0	0	2.0	0
Critical hours	1553.2	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**1.7**	**1.7**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	1	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**1**	**0**	**0**	**0**

Licensee Comments:

3Q/11: LER 446/11-003-00

2Q/11: LER 445/11-001-00.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-5.64E-08	-2.57E-08	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08	3.69E-08	5.22E-08
URI (ΔCDF)	-1.67E-07	1.44E-07	1.50E-07	1.52E-07	3.14E-07	3.24E-07	3.26E-07	3.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**1.20E-07**	**1.30E-07**	**1.40E-07**	**3.40E-07**	**3.60E-07**	**3.60E-07**	**3.80E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.23E-08	-1.57E-10	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10
URI (ΔCDF)	-1.01E-08	-3.43E-10	-3.35E-10	7.16E-10	7.07E-10	7.10E-10	4.63E-09	4.62E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-5.00E-10**	**-4.90E-10**	**5.80E-10**	**5.60E-10**	**5.60E-10**	**4.50E-09**	**4.50E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-3.05E-08	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06
URI (ΔCDF)	-5.55E-08	-2.41E-07	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-7.36E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	1.37E-07	-3.89E-09	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.12E-07	-9.47E-08	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08
URI (ΔCDF)	-4.34E-08	-1.13E-07	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.003270	0.000115	0.000135	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.029	0.076	0.066	0.070	0.075	0.077	0.062	0.065	0.063	0.064	0.068	0.068
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**
Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0.081	0.072	0.069	0.057	0.062	0.071	0.220	0.298	0.074	0.069	0.077	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**

Licensee Comments:

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

6/11: RCS Total Leakage is being reported as Identified Leakage.

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	23.0	35.0	6.0	7.0	24.0	26.0	2.0	30.0
Total opportunities	24.0	36.0	6.0	11.0	25.0	26.0	2.0	30.0
Indicator value	**96.5%**	**96.1%**	**96.1%**	**93.2%**	**93.9%**	**94.9%**	**94.7%**	**95.6%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise

Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

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	84.0	87.0	88.0	79.0	80.0	84.0	85.0	90.0
Total Key personnel	86.0	87.0	88.0	80.0	83.0	88.0	89.0	96.0
Indicator value	**97.7%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**95.5%**	**95.5%**	**93.8%**

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	431	432	431	360	432	428	432	432
Total sirens-tests	432	432	431	360	432	432	432	432
Indicator value	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**100.0%**	**99.8%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Comanche Peak 2

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**

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	0	0	2.0	0	0
Critical hours	2208.0	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**1**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/11: LER 446/11-003-00

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-2.57E-08	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08	3.69E-08	5.22E-08	6.33E-08
URI (ΔCDF)	1.44E-07	1.50E-07	1.52E-07	3.14E-07	3.24E-07	3.26E-07	3.27E-07	3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.30E-07**	**1.40E-07**	**3.40E-07**	**3.60E-07**	**3.60E-07**	**3.80E-07**	**3.90E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-1.57E-10	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10
URI (ΔCDF)	-3.43E-10	-3.35E-10	7.16E-10	7.07E-10	7.10E-10	4.63E-09	4.62E-09	4.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-10**	**-4.90E-10**	**5.80E-10**	**5.60E-10**	**5.60E-10**	**4.50E-09**	**4.50E-09**	**4.50E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06
URI (ΔCDF)	-2.41E-07	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (ΔCDF)	-3.89E-09	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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)	-9.47E-08	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08
URI (ΔCDF)	-1.13E-07	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

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	0.000140	0.000142	0.000147	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0.1**	**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	**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	0.070	0.075	0.077	0.062	0.065	0.063	0.064	0.068	0.068	0.081	0.072	0.069
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.8**	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**
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	0.057	0.062	0.071	0.220	0.298	0.074	0.069	0.077	0.054	0.065	0.068	0.055
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**

Licensee Comments:

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

9/11: RCS Total Leakage is being reported as Identified Leakage.

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	35.0	6.0	7.0	24.0	26.0	2.0	30.0	22.0
Total opportunities	36.0	6.0	11.0	25.0	26.0	2.0	30.0	23.0
Indicator value	**96.1%**	**96.1%**	**93.2%**	**93.9%**	**94.9%**	**94.7%**	**95.6%**	**95.6%**

Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise

Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

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	87.0	88.0	79.0	80.0	84.0	85.0	90.0	88.0
Total Key personnel	87.0	88.0	80.0	83.0	88.0	89.0	96.0	94.0
Indicator value	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**95.5%**	**95.5%**	**93.8%**	**93.6%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	432	431	360	432	428	432	432	431
Total sirens-tests	432	431	360	432	432	432	432	432
Indicator value	**99.8%**	**99.8%**	**99.9%**	**100.0%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**

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

Comanche Peak 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

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	0	0	2.0	0	0	0
Critical hours	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08	3.69E-08	5.22E-08	6.33E-08	3.14E-08
URI (ΔCDF)	1.50E-07	1.52E-07	3.14E-07	3.24E-07	3.26E-07	3.27E-07	3.25E-07	1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.40E-07**	**3.40E-07**	**3.60E-07**	**3.60E-07**	**3.80E-07**	**3.90E-07**	**1.80E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12
URI (ΔCDF)	-3.35E-10	7.16E-10	7.07E-10	7.10E-10	4.63E-09	4.62E-09	4.60E-09	3.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.90E-10**	**5.80E-10**	**5.60E-10**	**5.60E-10**	**4.50E-09**	**4.50E-09**	**4.50E-09**	**3.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

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)	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06
URI (ΔCDF)	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10
URI (ΔCDF)	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08
URI (ΔCDF)	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07	1.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**1.00E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**
Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.062	0.065	0.063	0.064	0.068	0.068	0.081	0.072	0.069	0.057	0.062	0.071
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**
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	0.220	0.298	0.074	0.069	0.077	0.054	0.065	0.068	0.055	0.053	0.053	0.056
Technical specification limit	10.0	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**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**

Licensee Comments:

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

12/11: RCS Total Leakage is being reported as Identified Leakage.

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	6.0	7.0	24.0	26.0	2.0	30.0	22.0	14.0
Total opportunities	6.0	11.0	25.0	26.0	2.0	30.0	23.0	15.0
Indicator value	**96.1%**	**93.2%**	**93.9%**	**94.9%**	**94.7%**	**95.6%**	**95.6%**	**94.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	88.0	79.0	80.0	84.0	85.0	90.0	88.0	91.0
Total Key personnel	88.0	80.0	83.0	88.0	89.0	96.0	94.0	95.0
Indicator value	**100.0%**	**98.8%**	**96.4%**	**95.5%**	**95.5%**	**93.8%**	**93.6%**	**95.8%**

Licensee Comments: none

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	431	360	432	428	432	432	431	432
Total sirens-tests	431	360	432	432	432	432	432	432
Indicator value	**99.8%**	**99.9%**	**100.0%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: November 1, 2013

Comanche Peak 2

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	1.0	0	0	0	1.0
Critical hours	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3
Indicator value	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3
Indicator value	**0**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**2**	**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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.28E-08	2.36E-08	3.12E-08	3.69E-08	5.22E-08	6.33E-08	3.14E-08	4.57E-08
URI (ΔCDF)	1.52E-07	3.14E-07	3.24E-07	3.26E-07	3.27E-07	3.25E-07	1.48E-07	1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**3.40E-07**	**3.60E-07**	**3.60E-07**	**3.80E-07**	**3.90E-07**	**1.80E-07**	**1.80E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12	3.99E-12
URI (ΔCDF)	7.16E-10	7.07E-10	7.10E-10	4.63E-09	4.62E-09	4.60E-09	3.36E-08	3.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-10**	**5.60E-10**	**5.60E-10**	**4.50E-09**	**4.50E-09**	**4.50E-09**	**3.40E-08**	**3.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06	-1.08E-06
URI (ΔCDF)	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07	-2.92E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10	-8.59E-10
URI (ΔCDF)	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08	-1.32E-08
URI (ΔCDF)	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07	1.17E-07	1.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**1.00E-07**	**1.00E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.064	0.068	0.068	0.081	0.072	0.069	0.057	0.062	0.071	0.220	0.298	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.7**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**
Reactor Coolant System Leakage	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	0.069	0.077	0.054	0.065	0.068	0.055	0.053	0.053	0.056	0.059	0.059	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**

Licensee Comments:

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

3/12: RCS total leakage is being reported as identified leakage.

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	7.0	24.0	26.0	2.0	30.0	22.0	15.0	29.0
Total opportunities	11.0	25.0	26.0	2.0	30.0	23.0	16.0	32.0
Indicator value	**93.2%**	**93.9%**	**94.9%**	**94.7%**	**95.6%**	**95.6%**	**95.0%**	**93.9%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	79.0	80.0	84.0	85.0	90.0	89.0	92.0	84.0
Total Key personnel	80.0	83.0	88.0	89.0	96.0	94.0	95.0	85.0
Indicator value	**98.8%**	**96.4%**	**95.5%**	**95.5%**	**93.8%**	**94.7%**	**96.8%**	**98.8%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

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	360	432	428	432	432	431	432	432
Total sirens-tests	360	432	432	432	432	432	432	432
Indicator value	**99.9%**	**100.0%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: January 22, 2014

Comanche Peak 2

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	2.0	0	0	0	0	1.0
Critical hours	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0
Indicator value	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**0.8**

Licensee Comments:

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in an unplanned power change.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	0	0	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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	2.36E-08	3.12E-08	3.69E-08	5.22E-08	6.33E-08	3.14E-08	4.57E-08	4.95E-08
URI (ΔCDF)	3.14E-07	3.24E-07	3.26E-07	3.27E-07	3.25E-07	1.48E-07	1.31E-07	2.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-07**	**3.60E-07**	**3.60E-07**	**3.80E-07**	**3.90E-07**	**1.80E-07**	**1.80E-07**	**2.50E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12	3.99E-12	1.57E-11
URI (ΔCDF)	7.07E-10	7.10E-10	4.63E-09	4.62E-09	4.60E-09	3.36E-08	3.35E-08	3.33E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.60E-10**	**5.60E-10**	**4.50E-09**	**4.50E-09**	**4.50E-09**	**3.40E-08**	**3.30E-08**	**3.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06	-1.08E-06	-1.07E-06
URI (ΔCDF)	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07	-2.92E-07	-2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10	-8.59E-10	-8.59E-10
URI (ΔCDF)	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08	-1.32E-08	-9.93E-09
URI (ΔCDF)	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07	1.44E-07	1.40E-07	1.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator												

value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

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	0.081	0.072	0.069	0.057	0.062	0.071	0.220	0.298	0.074	0.069	0.077	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**
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	0.065	0.068	0.055	0.053	0.053	0.056	0.059	0.059	0.060	0.060	0.059	0.064
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**

Licensee Comments:

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

6/12: RCS total leakage is being reported as identified leakage.

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	24.0	26.0	2.0	30.0	22.0	15.0	29.0	36.0
Total opportunities	25.0	26.0	2.0	30.0	23.0	16.0	32.0	36.0
Indicator value	**93.9%**	**94.9%**	**94.7%**	**95.6%**	**95.6%**	**95.0%**	**93.9%**	**96.8%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	80.0	84.0	85.0	90.0	89.0	92.0	84.0	85.0
Total Key personnel	83.0	88.0	89.0	96.0	94.0	95.0	85.0	87.0
Indicator value	**96.4%**	**95.5%**	**95.5%**	**93.8%**	**94.7%**	**96.8%**	**98.8%**	**97.7%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

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	432	428	432	432	431	432	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**100.0%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2014

Comanche Peak 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	1.0	0	0	0	1.0	0	0
Critical hours	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**

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	2.0	0	0	0	0	1.0	0
Critical hours	2208.0	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6
Indicator value	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**0.8**	**0.9**

Licensee Comments:

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in an unplanned power change.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.12E-08	3.69E-08	5.22E-08	6.33E-08	3.14E-08	4.57E-08	4.95E-08	4.58E-08
URI (ΔCDF)	3.24E-07	3.26E-07	3.27E-07	3.25E-07	1.48E-07	1.31E-07	2.03E-07	5.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-07**	**3.60E-07**	**3.80E-07**	**3.90E-07**	**1.80E-07**	**1.80E-07**	**2.50E-07**	**1.00E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12	3.99E-12	1.57E-11	1.54E-11
URI (ΔCDF)	7.10E-10	4.63E-09	4.62E-09	4.60E-09	3.36E-08	3.35E-08	3.33E-08	3.33E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.60E-10**	**4.50E-09**	**4.50E-09**	**4.50E-09**	**3.40E-08**	**3.30E-08**	**3.30E-08**	**3.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

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)	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06	-1.08E-06	-1.07E-06	-1.09E-06
URI (ΔCDF)	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07	-2.92E-07	-2.99E-07	-2.97E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10	-8.59E-10	-8.59E-10	-8.41E-10
URI (ΔCDF)	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.48E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08	-1.32E-08	-9.93E-09	2.39E-09
URI (ΔCDF)	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07	1.44E-07	1.40E-07	1.38E-07	1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000178	0.000186	0.000242	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439	N/A	0.000098	0.000097
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**0**	**0**

Licensee Comments: none

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	0.057	0.062	0.071	0.220	0.298	0.074	0.069	0.077	0.054	0.065	0.068	0.055
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.7**	**2.2**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**
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	0.053	0.053	0.056	0.059	0.059	0.060	0.060	0.059	0.064	0.054	0.060	0.055
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**

Licensee Comments:

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

9/12: RCS total leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	26.0	2.0	30.0	22.0	15.0	29.0	36.0	43.0
Total opportunities	26.0	2.0	30.0	23.0	16.0	32.0	36.0	43.0
Indicator value	**94.9%**	**94.7%**	**95.6%**	**95.6%**	**95.0%**	**93.9%**	**96.8%**	**97.6%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	84.0	85.0	90.0	89.0	92.0	84.0	85.0	87.0
Total Key personnel	88.0	89.0	96.0	94.0	95.0	85.0	87.0	87.0
Indicator value	**95.5%**	**95.5%**	**93.8%**	**94.7%**	**96.8%**	**98.8%**	**97.7%**	**100.0%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

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	428	432	432	431	432	432	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**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

Comanche Peak 2

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	1.0	0	0	0	1.0	0	0	0
Critical hours	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**

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	2.0	0	0	0	0	1.0	0	0
Critical hours	1573.1	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0
Indicator value	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**0.8**	**0.9**	**0.9**

Licensee Comments:

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in an unplanned power change.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	3.69E-08	5.22E-08	6.33E-08	3.14E-08	4.57E-08	4.95E-08	4.62E-08	4.14E-08
URI (ΔCDF)	3.26E-07	3.27E-07	3.25E-07	1.48E-07	1.31E-07	2.03E-07	5.73E-08	5.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-07**	**3.80E-07**	**3.90E-07**	**1.80E-07**	**1.80E-07**	**2.50E-07**	**1.00E-07**	**9.70E-08**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12	3.99E-12	1.57E-11	1.54E-11	1.73E-09
URI (ΔCDF)	4.63E-09	4.62E-09	4.60E-09	3.36E-08	3.35E-08	3.33E-08	3.33E-08	3.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-09**	**4.50E-09**	**4.50E-09**	**3.40E-08**	**3.30E-08**	**3.30E-08**	**3.30E-08**	**4.00E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06	-1.08E-06	-1.07E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07	-2.92E-07	-2.99E-07	-2.97E-07	-2.96E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10	-8.59E-10	-8.59E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.48E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08	-1.32E-08	-9.93E-09	2.39E-09	1.69E-09
URI (ΔCDF)	-1.18E-07	-1.19E-07	-1.18E-07	1.44E-07	1.40E-07	1.38E-07	1.40E-07	1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439	N/A	0.000098	0.000097	0.000113	0.000146	0.000140
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.220	0.298	0.074	0.069	0.077	0.054	0.065	0.068	0.055	0.053	0.053	0.056
Technical specification limit	10.0	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**	**3.0**	**0.7**	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**

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	0.059	0.059	0.060	0.060	0.059	0.064	0.054	0.060	0.055	0.060	0.060	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**

Licensee Comments:

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	2.0	30.0	22.0	15.0	29.0	36.0	43.0	58.0
Total opportunities	2.0	30.0	23.0	16.0	32.0	36.0	43.0	58.0
Indicator value	**94.7%**	**95.6%**	**95.6%**	**95.0%**	**93.9%**	**96.8%**	**97.6%**	**97.9%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	85.0	90.0	89.0	92.0	84.0	85.0	87.0	86.0
Total Key personnel	89.0	96.0	94.0	95.0	85.0	87.0	87.0	87.0
Indicator value	**95.5%**	**93.8%**	**94.7%**	**96.8%**	**98.8%**	**97.7%**	**100.0%**	**98.9%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	432	432	431	432	432	432	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.8%**	**99.8%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**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

Comanche Peak 2

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0
Indicator value	**1.7**	**1.7**	**1.7**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

Licensee Comments:

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in 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	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

4Q/14: LER 446/14-005-00

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)	5.22E-08	6.33E-08	3.14E-08	4.57E-08	4.95E-08	4.62E-08	4.14E-08	4.05E-08
URI (ΔCDF)	3.27E-07	3.25E-07	1.48E-07	1.31E-07	2.03E-07	5.73E-08	5.54E-08	5.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-07**	**3.90E-07**	**1.80E-07**	**1.80E-07**	**2.50E-07**	**1.00E-07**	**9.70E-08**	**9.30E-08**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-1.26E-10	-1.26E-10	1.30E-12	3.99E-12	1.57E-11	1.54E-11	1.73E-09	1.73E-09
URI (ΔCDF)	4.62E-09	4.60E-09	3.36E-08	3.35E-08	3.33E-08	3.33E-08	3.78E-08	3.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-09**	**4.50E-09**	**3.40E-08**	**3.30E-08**	**3.30E-08**	**3.30E-08**	**4.00E-08**	**3.90E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-1.44E-06	-1.42E-06	-1.08E-06	-1.08E-06	-1.07E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-3.06E-07	-2.94E-07	-2.76E-07	-2.92E-07	-2.99E-07	-2.97E-07	-2.96E-07	-2.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-1.38E-09	-8.59E-10	-8.59E-10	-8.59E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-3.92E-09	-3.92E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.48E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-3.75E-08	-3.86E-08	-1.33E-08	-1.32E-08	-9.93E-09	2.39E-09	1.69E-09	9.18E-09
URI (ΔCDF)	-1.19E-07	-1.18E-07	1.44E-07	1.40E-07	1.38E-07	1.40E-07	1.40E-07	1.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.50E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000168	0.000158	0.000439	N/A	0.000098	0.000097	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0.1**	**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	0.069	0.077	0.054	0.065	0.068	0.055	0.053	0.053	0.056	0.059	0.059	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.5**	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**

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	0.060	0.059	0.064	0.054	0.060	0.055	0.060	0.060	0.067	0.053	0.069	0.065
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**

Licensee Comments:

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	30.0	22.0	15.0	29.0	36.0	43.0	58.0	13.0
Total opportunities	30.0	23.0	16.0	32.0	36.0	43.0	58.0	13.0
Indicator value	**95.6%**	**95.6%**	**95.0%**	**93.9%**	**96.8%**	**97.6%**	**97.9%**	**98.0%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	90.0	89.0	92.0	84.0	85.0	87.0	86.0	83.0
Total Key personnel	96.0	94.0	95.0	85.0	87.0	87.0	87.0	85.0
Indicator value	**93.8%**	**94.7%**	**96.8%**	**98.8%**	**97.7%**	**100.0%**	**98.9%**	**97.6%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	432	431	432	432	432	432	432	431
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.8%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: February 3, 2015

Comanche Peak 2

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**	**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	0	0	0	2.0	0	0	0	0
Critical hours	2184.0	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0
Indicator value	**1.7**	**1.7**	**0**	**1.6**	**1.7**	**1.7**	**1.7**	**0**

Licensee Comments:

1Q/14: One additional unplanned power change for Feb 2014 was identified. This change does not affect the ??? color??? of the indicator.

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in 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	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments:

4Q/14: LER 446/14-005-00

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)	6.33E-08	3.14E-08	4.57E-08	4.95E-08	4.62E-08	4.14E-08	4.05E-08	4.05E-08
URI (ΔCDF)	3.25E-07	1.48E-07	1.31E-07	2.03E-07	5.73E-08	5.54E-08	5.22E-08	5.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-07**	**1.80E-07**	**1.80E-07**	**2.50E-07**	**1.00E-07**	**9.70E-08**	**9.30E-08**	**9.20E-08**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-1.26E-10	1.30E-12	3.99E-12	1.57E-11	1.54E-11	1.73E-09	1.73E-09	1.45E-09
URI (ΔCDF)	4.60E-09	3.36E-08	3.35E-08	3.33E-08	3.33E-08	3.78E-08	3.76E-08	3.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-09**	**3.40E-08**	**3.30E-08**	**3.30E-08**	**3.30E-08**	**4.00E-08**	**3.90E-08**	**3.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.42E-06	-1.08E-06	-1.08E-06	-1.07E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.94E-07	-2.76E-07	-2.92E-07	-2.99E-07	-2.97E-07	-2.96E-07	-2.95E-07	-3.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-1.38E-09	-8.59E-10	-8.59E-10	-8.59E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-3.92E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.48E-09	-2.47E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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)	-3.86E-08	-1.33E-08	-1.32E-08	-9.93E-09	2.39E-09	1.69E-09	9.18E-09	8.66E-09
URI (ΔCDF)	-1.18E-07	1.44E-07	1.40E-07	1.38E-07	1.40E-07	1.40E-07	1.39E-07	1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.50E-07**	**1.50E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	N/A	0.000098	0.000097	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.065	0.068	0.055	0.053	0.053	0.056	0.059	0.059	0.060	0.060	0.059	0.064
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**
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	0.054	0.060	0.055	0.060	0.060	0.067	0.053	0.069	0.065	0.064	0.055	0.061
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**

Licensee Comments:

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

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	22.0	15.0	29.0	36.0	43.0	58.0	13.0	63.0
Total opportunities	23.0	16.0	32.0	36.0	43.0	58.0	13.0	63.0
Indicator value	**95.6%**	**95.0%**	**93.9%**	**96.8%**	**97.6%**	**97.9%**	**98.0%**	**98.2%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	89.0	92.0	84.0	85.0	87.0	86.0	83.0	77.0
Total Key personnel	94.0	95.0	85.0	87.0	87.0	87.0	85.0	80.0
Indicator value	**94.7%**	**96.8%**	**98.8%**	**97.7%**	**100.0%**	**98.9%**	**97.6%**	**96.3%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

2Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	431	432	432	432	432	432	431	428
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2015

Comanche Peak 2

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**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	0	0	2.0	0	0	0	0	0
Critical hours	2208.0	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0
Indicator value	**1.7**	**0**	**1.6**	**1.7**	**1.7**	**1.7**	**0**	**0**

Licensee Comments:

1Q/14: One additional unplanned power change for Feb 2014 was identified. This change does not affect the ??? color??? of the indicator.

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in 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	1	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	3.14E-08	4.57E-08	4.95E-08	4.62E-08	4.14E-08	4.05E-08	4.05E-08	2.98E-08
URI (ΔCDF)	1.48E-07	1.31E-07	2.03E-07	5.73E-08	5.54E-08	5.22E-08	5.14E-08	-2.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.80E-07**	**2.50E-07**	**1.00E-07**	**9.70E-08**	**9.30E-08**	**9.20E-08**	**8.10E-09**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

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)	1.30E-12	3.99E-12	1.57E-11	1.54E-11	1.73E-09	1.73E-09	1.45E-09	1.45E-09
URI (ΔCDF)	3.36E-08	3.35E-08	3.33E-08	3.33E-08	3.78E-08	3.76E-08	3.29E-08	3.27E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**3.30E-08**	**3.30E-08**	**3.30E-08**	**4.00E-08**	**3.90E-08**	**3.40E-08**	**3.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

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)	-1.08E-06	-1.08E-06	-1.07E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.76E-07	-2.92E-07	-2.99E-07	-2.97E-07	-2.96E-07	-2.95E-07	-3.02E-07	-3.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

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)	-8.59E-10	-8.59E-10	-8.59E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.47E-09	-2.48E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-1.33E-08	-1.32E-08	-9.93E-09	2.39E-09	1.69E-09	9.18E-09	8.66E-09	1.57E-08
URI (ΔCDF)	1.44E-07	1.40E-07	1.38E-07	1.40E-07	1.40E-07	1.39E-07	1.37E-07	1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.50E-07**	**1.50E-07**	**1.50E-07**

Licensee Comments:

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7. The Unit 2 Cooling Water System data for 3Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

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	0.000128	0.000119	0.000137	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439	N/A	0.000098	0.000097
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.053	0.053	0.056	0.059	0.059	0.060	0.060	0.059	0.064	0.054	0.060	0.055
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**
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	0.060	0.060	0.067	0.053	0.069	0.065	0.064	0.055	0.061	0.059	0.052	0.053
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**

Licensee Comments:

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

9/13: RCS total leakage is being reported as identified leakage.

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	15.0	29.0	36.0	43.0	58.0	13.0	63.0	76.0
Total opportunities	16.0	32.0	36.0	43.0	58.0	13.0	63.0	79.0
Indicator value	**95.0%**	**93.9%**	**96.8%**	**97.6%**	**97.9%**	**98.0%**	**98.2%**	**97.9%**

Licensee Comments:

3Q/13: Discovered that the opportunities from 09/30/2013 were included with 4Q2013 data, vice 3Q2013. The affected time period was September 2013, and this change did not affect the "color" of the indicator.

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	92.0	84.0	85.0	87.0	86.0	83.0	77.0	84.0
Total Key personnel	95.0	85.0	87.0	87.0	87.0	85.0	80.0	89.0
Indicator value	**96.8%**	**98.8%**	**97.7%**	**100.0%**	**98.9%**	**97.6%**	**96.3%**	**94.4%**

Licensee Comments:

3Q/13: Discovered that an evaluation performed by an individual on another ERO position had not been included in EROP monthly data since June 2013. The affected time periods were June, July, Aug, & Sept 2013. This change did not affect the "color" of the indicator.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	432	432	432	432	432	431	428	429
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.7%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**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

Comanche Peak 2

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**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	0	2.0	0	0	0	0	0	0
Critical hours	2177.3	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**1.6**	**1.7**	**1.7**	**1.7**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

1Q/14: One additional unplanned power change for Feb 2014 was identified. This change does not affect the ??? color??? of the indicator.

4Q/13: The NRC granted an NOED during this quarter, which, if not granted, may have resulted in 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	1	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**2**

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	4.57E-08	4.95E-08	4.62E-08	4.14E-08	4.05E-08	4.05E-08	2.98E-08	2.14E-08
URI (ΔCDF)	1.31E-07	2.03E-07	5.73E-08	5.54E-08	5.22E-08	5.14E-08	-2.18E-08	-2.33E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**2.50E-07**	**1.00E-07**	**9.70E-08**	**9.30E-08**	**9.20E-08**	**8.10E-09**	**-1.90E-09**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

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)	3.99E-12	1.57E-11	1.54E-11	1.73E-09	1.73E-09	1.45E-09	1.45E-09	1.50E-09
URI (ΔCDF)	3.35E-08	3.33E-08	3.33E-08	3.78E-08	3.76E-08	3.29E-08	3.27E-08	3.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**3.30E-08**	**3.30E-08**	**4.00E-08**	**3.90E-08**	**3.40E-08**	**3.40E-08**	**3.40E-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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.08E-06	-1.07E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.92E-07	-2.99E-07	-2.97E-07	-2.96E-07	-2.95E-07	-3.02E-07	-3.01E-07	-3.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-8.59E-10	-8.59E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.48E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

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)	-1.32E-08	-9.93E-09	2.39E-09	1.69E-09	9.18E-09	8.66E-09	1.57E-08	-2.97E-08
URI (ΔCDF)	1.40E-07	1.38E-07	1.40E-07	1.40E-07	1.39E-07	1.37E-07	3.56E-07	3.57E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.50E-07**	**1.50E-07**	**3.70E-07**	**3.30E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

4Q/13: The Unit 2 Cooling Water System data for 4Q2013 has been corrected to include a failure record (ICES 307922). This is an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000123	0.000223	0.000142	0.000168	0.000158	0.000439	N/A	0.000098	0.000097	0.000113	0.000146	0.000140
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.059	0.059	0.060	0.060	0.059	0.064	0.054	0.060	0.055	0.060	0.060	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**
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	0.053	0.069	0.065	0.064	0.055	0.061	0.059	0.052	0.053	0.056	0.050	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**

Licensee Comments:

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

12/13: RCS total leakage is being reported as identified leakage.

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	29.0	36.0	43.0	58.0	13.0	63.0	76.0	76.0
Total opportunities	32.0	36.0	43.0	58.0	13.0	63.0	79.0	77.0
Indicator value	**93.9%**	**96.8%**	**97.6%**	**97.9%**	**98.0%**	**98.2%**	**97.9%**	**98.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	84.0	85.0	87.0	86.0	83.0	77.0	84.0	90.0
Total Key personnel	85.0	87.0	87.0	87.0	85.0	80.0	89.0	92.0
Indicator value	**98.8%**	**97.7%**	**100.0%**	**98.9%**	**97.6%**	**96.3%**	**94.4%**	**97.8%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	432	432	432	432	431	428	429	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.7%**	**99.5%**	**99.5%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: December 15, 2015

Comanche Peak 2

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0	1277.7
Indicator value	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	2099.0	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0	1277.7
Indicator value	**1.6**	**1.7**	**1.7**	**1.7**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

1Q/14: One additional unplanned power change for Feb 2014 was identified. This change does not affect the ??? color??? of the indicator.

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

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	4.95E-08	4.62E-08	4.14E-08	4.05E-08	4.05E-08	2.98E-08	2.14E-08	1.94E-08
URI (ΔCDF)	2.03E-07	5.73E-08	5.54E-08	5.22E-08	5.14E-08	-2.18E-08	-2.33E-08	-1.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**1.00E-07**	**9.70E-08**	**9.30E-08**	**9.20E-08**	**8.10E-09**	**-1.90E-09**	**4.80E-10**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.57E-11	1.54E-11	1.73E-09	1.73E-09	1.45E-09	1.45E-09	1.50E-09	-2.94E-10
URI (ΔCDF)	3.33E-08	3.33E-08	3.78E-08	3.76E-08	3.29E-08	3.27E-08	3.26E-08	2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**3.30E-08**	**4.00E-08**	**3.90E-08**	**3.40E-08**	**3.40E-08**	**3.40E-08**	**2.10E-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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	-1.07E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.99E-07	-2.97E-07	-2.96E-07	-2.95E-07	-3.02E-07	-3.01E-07	-3.08E-07	-2.89E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-8.59E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.47E-09	-2.48E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

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)	-9.93E-09	2.39E-09	1.69E-09	9.18E-09	8.66E-09	1.57E-08	-2.97E-08	-2.90E-08
URI (ΔCDF)	1.38E-07	1.40E-07	1.40E-07	1.39E-07	1.37E-07	3.56E-07	3.57E-07	3.62E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.50E-07**	**1.50E-07**	**3.70E-07**	**3.30E-07**	**3.30E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

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	0.000168	0.000158	0.000439	N/A	0.000098	0.000097	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0.1**	**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	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.060	0.059	0.064	0.054	0.060	0.055	0.060	0.060	0.067	0.053	0.069	0.065
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**
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	0.064	0.055	0.061	0.059	0.052	0.053	0.056	0.050	0.050	0.042	0.052	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**

Licensee Comments:

12/15: RCS total leakage is being reported as identified leakage.

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

3/14: RCS total leakage is being reported as identified leakage.

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	36.0	43.0	58.0	13.0	63.0	76.0	76.0	34.0
Total opportunities	36.0	43.0	58.0	13.0	63.0	79.0	77.0	34.0
Indicator value	**96.8%**	**97.6%**	**97.9%**	**98.0%**	**98.2%**	**97.9%**	**98.3%**	**99.0%**

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	85.0	87.0	86.0	83.0	77.0	84.0	90.0	94.0
Total Key personnel	87.0	87.0	87.0	85.0	80.0	89.0	92.0	95.0
Indicator value	**97.7%**	**100.0%**	**98.9%**	**97.6%**	**96.3%**	**94.4%**	**97.8%**	**98.9%**

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	432	432	432	431	428	429	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.7%**	**99.5%**	**99.5%**	**99.6%**

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

Comanche Peak 2

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	0	0	1.0	0
Critical hours	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0	1277.7	2183.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0.9**	**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	1563.6	2208.0	2209.0	2159.0	2184.0	2208.0	1277.7	2183.0
Indicator value	**1.7**	**1.7**	**1.7**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

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

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	4.62E-08	4.14E-08	4.05E-08	4.05E-08	2.98E-08	2.14E-08	1.94E-08	1.13E-08
URI (ΔCDF)	5.73E-08	5.54E-08	5.22E-08	5.14E-08	-2.18E-08	-2.33E-08	-1.89E-08	-1.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**9.70E-08**	**9.30E-08**	**9.20E-08**	**8.10E-09**	**-1.90E-09**	**4.80E-10**	**-8.00E-09**

Licensee Comments:

2Q/14: Added 1.7 hours of unavailability for EDG 2-02 in June 2014 that was previously overlooked. This change did not affect the color of the indicator.

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)	1.54E-11	1.73E-09	1.73E-09	1.45E-09	1.45E-09	1.50E-09	-2.94E-10	-2.98E-10
URI (ΔCDF)	3.33E-08	3.78E-08	3.76E-08	3.29E-08	3.27E-08	3.26E-08	2.40E-09	2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**4.00E-08**	**3.90E-08**	**3.40E-08**	**3.40E-08**	**3.40E-08**	**2.10E-09**	**2.10E-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/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.97E-07	-2.96E-07	-2.95E-07	-3.02E-07	-3.01E-07	-3.08E-07	-2.89E-07	-2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

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)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.48E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	2.39E-09	1.69E-09	9.18E-09	8.66E-09	1.57E-08	-2.97E-08	-2.90E-08	-4.63E-08
URI (ΔCDF)	1.40E-07	1.40E-07	1.39E-07	1.37E-07	3.56E-07	3.57E-07	3.62E-07	3.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.40E-07**	**1.50E-07**	**1.50E-07**	**3.70E-07**	**3.30E-07**	**3.30E-07**	**3.10E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

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	0.000098	0.000097	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	0.054	0.060	0.055	0.060	0.060	0.067	0.053	0.069	0.065	0.064	0.055	0.061
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**
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	0.059	0.052	0.053	0.056	0.050	0.050	0.042	0.052	0.054	0.058	0.127	0.157
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**

Licensee Comments:

3/16: RCS total leakage is being reported as identified leakage.

12/15: RCS total leakage is being reported as identified leakage.

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified leakage.

6/14: RCS total leakage is being reported as identified leakage.

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	43.0	58.0	13.0	63.0	76.0	73.0	34.0	72.0
Total opportunities	43.0	58.0	13.0	63.0	79.0	74.0	34.0	72.0
Indicator value	**97.6%**	**97.9%**	**98.0%**	**98.2%**	**97.9%**	**98.2%**	**99.0%**	**99.1%**

Licensee Comments:

3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

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	87.0	86.0	83.0	77.0	84.0	90.0	94.0	92.0
Total Key personnel	87.0	87.0	85.0	80.0	89.0	92.0	95.0	92.0
Indicator value	**100.0%**	**98.9%**	**97.6%**	**96.3%**	**94.4%**	**97.8%**	**98.9%**	**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	432	432	431	428	429	432	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.7%**	**99.5%**	**99.5%**	**99.6%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2016

Comanche Peak 2

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

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	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0
Indicator value	**1.7**	**1.7**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

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

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	1	0	1	0	0	0	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**1**	**0**

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	4.14E-08	4.05E-08	4.05E-08	2.98E-08	2.14E-08	1.94E-08	1.13E-08	6.60E-09
URI (ΔCDF)	5.54E-08	5.22E-08	5.14E-08	-2.18E-08	-2.33E-08	-1.89E-08	-1.93E-08	-1.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.70E-08**	**9.30E-08**	**9.20E-08**	**8.10E-09**	**-1.90E-09**	**4.80E-10**	**-8.00E-09**	**-1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.73E-09	1.73E-09	1.45E-09	1.45E-09	1.50E-09	-2.94E-10	-2.98E-10	-2.98E-10
URI (ΔCDF)	3.78E-08	3.76E-08	3.29E-08	3.27E-08	3.26E-08	2.40E-09	2.39E-09	2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-08**	**3.90E-08**	**3.40E-08**	**3.40E-08**	**3.40E-08**	**2.10E-09**	**2.10E-09**	**2.10E-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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06
URI (ΔCDF)	-2.96E-07	-2.95E-07	-3.02E-07	-3.01E-07	-3.08E-07	-2.89E-07	-2.87E-07	-2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**

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)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.46E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.69E-09	9.18E-09	8.66E-09	1.57E-08	-2.97E-08	-2.90E-08	-4.63E-08	-4.63E-08
URI (ΔCDF)	1.40E-07	1.39E-07	1.37E-07	3.56E-07	3.57E-07	3.62E-07	3.59E-07	3.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.50E-07**	**1.50E-07**	**3.70E-07**	**3.30E-07**	**3.30E-07**	**3.10E-07**	**3.10E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000113	0.000146	0.000140	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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	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	0.060	0.060	0.067	0.053	0.069	0.065	0.064	0.055	0.061	0.059	0.052	0.053
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.7**	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**
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	0.056	0.050	0.050	0.042	0.052	0.054	0.058	0.127	0.157	0.058	0.058	0.053
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**

Licensee Comments:

6/16: RCS total leakage is being reported as identified leakage.

3/16: RCS total leakage is being reported as identified leakage.

12/15: RCS total leakage is being reported as identified leakage.

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

9/14: RCS total leakage is being reported as identified 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	58.0	13.0	63.0	76.0	73.0	34.0	72.0	41.0
Total opportunities	58.0	13.0	63.0	79.0	74.0	34.0	72.0	41.0
Indicator value	**97.9%**	**98.0%**	**98.2%**	**97.9%**	**98.2%**	**99.0%**	**99.1%**	**99.1%**

Licensee Comments:

3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

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	86.0	83.0	77.0	84.0	90.0	94.0	92.0	86.0
Total Key personnel	87.0	85.0	80.0	89.0	92.0	95.0	92.0	88.0
Indicator value	**98.9%**	**97.6%**	**96.3%**	**94.4%**	**97.8%**	**98.9%**	**100.0%**	**97.7%**

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	432	431	428	429	432	432	432	430
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**100.0%**	**99.9%**	**99.7%**	**99.5%**	**99.5%**	**99.6%**	**99.8%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: July 25, 2016

Comanche Peak 2

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

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	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0
Indicator value	**1.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

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

Licensee Comments:

2Q/15: LER 1-15-001.

4Q/14: LER 446/14-005-00

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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	4.05E-08	4.05E-08	2.98E-08	2.14E-08	1.94E-08	1.13E-08	6.60E-09	4.65E-09
URI (ΔCDF)	5.22E-08	5.14E-08	-2.18E-08	-2.33E-08	-1.89E-08	-1.93E-08	-1.93E-08	-1.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.30E-08**	**9.20E-08**	**8.10E-09**	**-1.90E-09**	**4.80E-10**	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	1.73E-09	1.45E-09	1.45E-09	1.50E-09	-2.94E-10	-2.98E-10	-2.98E-10	-2.98E-10
URI (ΔCDF)	3.76E-08	3.29E-08	3.27E-08	3.26E-08	2.40E-09	2.39E-09	2.39E-09	2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-08**	**3.40E-08**	**3.40E-08**	**3.40E-08**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-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/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.05E-06
URI (ΔCDF)	-2.95E-07	-3.02E-07	-3.01E-07	-3.08E-07	-2.89E-07	-2.87E-07	-2.87E-07	-2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.47E-09	-2.47E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	9.18E-09	8.66E-09	1.57E-08	-2.97E-08	-2.90E-08	-4.63E-08	-4.63E-08	-2.47E-08
URI (ΔCDF)	1.39E-07	1.37E-07	3.56E-07	3.57E-07	3.62E-07	3.59E-07	3.59E-07	1.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.50E-07**	**3.70E-07**	**3.30E-07**	**3.30E-07**	**3.10E-07**	**3.10E-07**	**1.10E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

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	0.000133	0.000170	0.000130	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112	0.000110	0.000128	0.000104
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.053	0.069	0.065	0.064	0.055	0.061	0.059	0.052	0.053	0.056	0.050	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**
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	0.042	0.052	0.054	0.058	0.127	0.157	0.058	0.058	0.053	0.053	0.044	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**

Licensee Comments:

9/16: RCS total leakage is being reported as identified leakage.

6/16: RCS total leakage is being reported as identified leakage.

3/16: RCS total leakage is being reported as identified leakage.

12/15: RCS total leakage is being reported as identified leakage.

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

12/14: RCS total leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	13.0	63.0	76.0	73.0	34.0	72.0	41.0	82.0
Total opportunities	13.0	63.0	79.0	74.0	34.0	72.0	41.0	83.0
Indicator value	**98.0%**	**98.2%**	**97.9%**	**98.2%**	**99.0%**	**99.1%**	**99.1%**	**98.9%**

Licensee Comments:

3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

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	83.0	77.0	84.0	90.0	94.0	92.0	86.0	89.0
Total Key personnel	85.0	80.0	89.0	92.0	95.0	92.0	88.0	92.0
Indicator value	**97.6%**	**96.3%**	**94.4%**	**97.8%**	**98.9%**	**100.0%**	**97.7%**	**96.7%**

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	431	428	429	432	432	432	430	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.9%**	**99.7%**	**99.5%**	**99.5%**	**99.6%**	**99.8%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: October 23, 2016

Comanche Peak 2

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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	0	0
Critical hours	2159.0	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

Licensee Comments:

2Q/15: LER 1-15-001.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	4.05E-08	2.98E-08	2.14E-08	1.94E-08	1.13E-08	6.60E-09	4.65E-09	-6.06E-09
URI (ΔCDF)	5.14E-08	-2.18E-08	-2.33E-08	-1.89E-08	-1.93E-08	-1.93E-08	-1.93E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.20E-08**	**8.10E-09**	**-1.90E-09**	**4.80E-10**	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**	**-1.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	1.45E-09	1.45E-09	1.50E-09	-2.94E-10	-2.98E-10	-2.98E-10	-2.98E-10	-3.01E-10
URI (ΔCDF)	3.29E-08	3.27E-08	3.26E-08	2.40E-09	2.39E-09	2.39E-09	2.39E-09	2.41E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**3.40E-08**	**3.40E-08**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.05E-06	-1.05E-06
URI (ΔCDF)	-3.02E-07	-3.01E-07	-3.08E-07	-2.89E-07	-2.87E-07	-2.87E-07	-2.87E-07	-2.79E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**	**-1.30E-06**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.03E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.47E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	8.66E-09	1.57E-08	-2.97E-08	-2.90E-08	-4.63E-08	-4.63E-08	-2.47E-08	-1.54E-08
URI (ΔCDF)	1.37E-07	3.56E-07	3.57E-07	3.62E-07	3.59E-07	3.59E-07	1.38E-07	1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**3.70E-07**	**3.30E-07**	**3.30E-07**	**3.10E-07**	**3.10E-07**	**1.10E-07**	**1.20E-07**

Licensee Comments:

2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

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	0.000140	0.000161	0.000156	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112	0.000110	0.000128	0.000104	0.000150	0.000119	0.000150
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.064	0.055	0.061	0.059	0.052	0.053	0.056	0.050	0.050	0.042	0.052	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**
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	0.058	0.127	0.157	0.058	0.058	0.053	0.053	0.044	0.054	0.059	0.051	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.6**	**0.5**	**0.5**

Licensee Comments:

12/16: RCS total leakage is being reported as identified leakage.

9/16: RCS total leakage is being reported as identified leakage.

6/16: RCS total leakage is being reported as identified leakage.

3/16: RCS total leakage is being reported as identified leakage.

12/15: RCS total leakage is being reported as identified leakage.

9/15: RCS total leakage is being reported as identified leakage.

6/15: RCS total leakage is being reported as identified leakage.

3/15: RCS total leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	63.0	76.0	73.0	34.0	72.0	41.0	82.0	89.0
Total opportunities	63.0	79.0	74.0	34.0	72.0	41.0	83.0	90.0
Indicator value	**98.2%**	**97.9%**	**98.2%**	**99.0%**	**99.1%**	**99.1%**	**98.9%**	**98.9%**

Licensee Comments:

3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

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	77.0	84.0	90.0	94.0	92.0	86.0	89.0	92.0
Total Key personnel	80.0	89.0	92.0	95.0	92.0	88.0	92.0	94.0
Indicator value	**96.3%**	**94.4%**	**97.8%**	**98.9%**	**100.0%**	**97.7%**	**96.7%**	**97.9%**

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	428	429	432	432	432	430	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.7%**	**99.5%**	**99.5%**	**99.6%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: January 24, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Comanche Peak 2 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

TOP

Licensee Comments:
3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

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

TOP

Licensee Comments:
1Q/17: LER 445/17-001-00
4Q/16: The Nov. 2016 SSFF value is revised to include a SSFF from LER 16-002-00 that was not included in the 4Q16 PI submittal. This change did not affect the color of the indicator.
2Q/15: LER 1-15-001.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.98E-08	2.14E-08	1.94E-08	1.13E-08	6.60E-09	4.65E-09	-6.06E-09	-2.37E-08
URI (ΔCDF)	-2.18E-08	-2.33E-08	-1.89E-08	-1.93E-08	-1.93E-08	-1.93E-08	-1.30E-08	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.10E-09**	**-1.90E-09**	**4.80E-10**	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**	**-1.90E-08**	**-2.50E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	1.45E-09	1.50E-09	-2.94E-10	-2.98E-10	-2.98E-10	-2.98E-10	-3.01E-10	-1.68E-10
URI (ΔCDF)	3.27E-08	3.26E-08	2.40E-09	2.39E-09	2.39E-09	2.39E-09	2.41E-09	2.72E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**3.40E-08**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**1.00E-10**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.05E-06	-1.05E-06	-2.49E-08
URI (ΔCDF)	-3.01E-07	-3.08E-07	-2.89E-07	-2.87E-07	-2.87E-07	-2.87E-07	-2.79E-07	-7.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**	**-1.30E-06**	**-1.00E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.03E-10	-6.60E-10
URI (ΔCDF)	-2.47E-09	-2.47E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.16E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.80E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	1.57E-08	-2.97E-08	-2.90E-08	-4.63E-08	-4.63E-08	-2.47E-08	-1.54E-08	-2.07E-08
URI (ΔCDF)	3.56E-07	3.57E-07	3.62E-07	3.59E-07	3.59E-07	1.38E-07	1.40E-07	1.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-07**	**3.30E-07**	**3.30E-07**	**3.10E-07**	**3.10E-07**	**1.10E-07**	**1.20E-07**	**1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.
2Q/15: The MS10 Cooling Water System data for 2Q15 was corrected for an ICES report on a Service Water pump breaker issue that needed to be included as a failure. This change did not affect the color of the indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000158	0.000566	0.000145	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000098	0.000110	0.000112	0.000110	0.000128	0.000104	0.000150	0.000119	0.000150	0.000117	0.000121	0.000217
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.059	0.052	0.053	0.056	0.050	0.050	0.042	0.052	0.054	0.058	0.127	0.157
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**

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	0.058	0.058	0.053	0.053	0.044	0.054	0.059	0.051	0.050	0.052	0.051	0.059
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.6**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**

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Licensee Comments:
3/17: RCS total leakage is being reported as identified leakage.
12/16: RCS total leakage is being reported as identified leakage.
9/16: RCS total leakage is being reported as identified leakage.
6/16: RCS total leakage is being reported as identified leakage.
3/16: RCS total leakage is being reported as identified leakage.
12/15: RCS total leakage is being reported as identified leakage.
9/15: RCS total leakage is being reported as identified leakage.
6/15: RCS total leakage is being reported as identified leakage.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	76.0	73.0	34.0	72.0	41.0	82.0	89.0	83.0
Total opportunities	79.0	74.0	34.0	72.0	41.0	83.0	90.0	83.0
Indicator value	**97.9%**	**98.2%**	**99.0%**	**99.1%**	**99.1%**	**98.9%**	**98.9%**	**98.9%**

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Licensee Comments:
3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

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	84.0	90.0	94.0	92.0	86.0	89.0	92.0	92.0
Total Key personnel	89.0	92.0	95.0	92.0	88.0	92.0	94.0	92.0
Indicator value	**94.4%**	**97.8%**	**98.9%**	**100.0%**	**97.7%**	**96.7%**	**97.9%**	**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	429	432	432	432	430	432	432	432
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.5%**	**99.5%**	**99.6%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

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

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Comanche Peak 2 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0	786.9
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

TOP

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	0	0	1.0	1.0
Critical hours	2208.0	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0	786.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.9**

TOP

Licensee Comments:
3Q/15: A Notice of Enforcement Discretion has been granted without which the unit would have had an unplanned power change of greater than 20-percent of full power.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	**2**	**1**	**1**	**0**	**0**	**1**	**2**	**2**

TOP

Licensee Comments:
1Q/17: LER 445/17-001-00
4Q/16: The Nov. 2016 SSFF value is revised to include a SSFF from LER 16-002-00 that was not included in the 4Q16 PI submittal. This change did not affect the color of the 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	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.14E-08	1.94E-08	1.13E-08	6.60E-09	4.65E-09	-6.06E-09	-2.37E-08	-2.66E-08
URI (ΔCDF)	-2.33E-08	-1.89E-08	-1.93E-08	-1.93E-08	-1.93E-08	-1.30E-08	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-09**	**4.80E-10**	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**	**-1.90E-08**	**-2.50E-07**	**-2.50E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	1.50E-09	-2.94E-10	-2.98E-10	-2.98E-10	-2.98E-10	-3.01E-10	-1.68E-10	-1.63E-10
URI (ΔCDF)	3.26E-08	2.40E-09	2.39E-09	2.39E-09	2.39E-09	2.41E-09	2.72E-10	2.71E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**1.00E-10**	**1.10E-10**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.09E-06	-1.05E-06	-1.05E-06	-2.49E-08	-2.47E-08
URI (ΔCDF)	-3.08E-07	-2.89E-07	-2.87E-07	-2.87E-07	-2.87E-07	-2.79E-07	-7.50E-08	-7.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**	**-1.30E-06**	**-1.00E-07**	**-1.00E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.03E-10	-6.60E-10	-6.46E-10
URI (ΔCDF)	-2.47E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.16E-09	-2.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.80E-09**	**-2.80E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-2.97E-08	-2.90E-08	-4.63E-08	-4.63E-08	-2.47E-08	-1.54E-08	-2.07E-08	-1.94E-08
URI (ΔCDF)	3.57E-07	3.62E-07	3.59E-07	3.59E-07	1.38E-07	1.40E-07	1.51E-07	1.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-07**	**3.30E-07**	**3.10E-07**	**3.10E-07**	**1.10E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000177	0.000156	0.000185	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000110	0.000128	0.000104	0.000150	0.000119	0.000150	0.000117	0.000121	0.000217	0.000121	0.000101	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.056	0.050	0.050	0.042	0.052	0.054	0.058	0.127	0.157	0.058	0.058	0.053
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**

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	0.053	0.044	0.054	0.059	0.051	0.050	0.052	0.051	0.059	0.047	0.059	0.043
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.4**	**0.5**	**0.6**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.5**	**0.6**	**0.4**

TOP

Licensee Comments:
6/17: RCS total leakage is being reported as identified leakage.
3/17: RCS total leakage is being reported as identified leakage.
12/16: RCS total leakage is being reported as identified leakage.
9/16: RCS total leakage is being reported as identified leakage.
6/16: RCS total leakage is being reported as identified leakage.
3/16: RCS total leakage is being reported as identified leakage.
12/15: RCS total leakage is being reported as identified leakage.
9/15: RCS total leakage is being reported as identified 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	73.0	34.0	70.0	41.0	82.0	87.0	83.0	19.0
Total opportunities	74.0	34.0	72.0	41.0	83.0	90.0	83.0	20.0
Indicator value	**98.2%**	**99.0%**	**98.6%**	**98.6%**	**98.5%**	**98.1%**	**98.2%**	**98.4%**

TOP

Licensee Comments:
4Q/16: The Oct 2016 "successful drill, exer, & event opportunities" was revised from 32 to 30 due to incorrect EAL classifications during LORT sessions.
1Q/16: The Feb 2016 "successful drill, exer, & event opportunities" was revised from 37 to 35 due to incorrect EAL classifications during LORT sessions.
3Q/15: Determined that a GE declaration from the 15Q3 exercise should not have counted as an opportunity. This change does not affect the color" of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	90.0	94.0	92.0	86.0	89.0	92.0	92.0	88.0
Total Key personnel	92.0	95.0	92.0	88.0	92.0	94.0	92.0	90.0
Indicator value	**97.8%**	**98.9%**	**100.0%**	**97.7%**	**96.7%**	**97.9%**	**100.0%**	**97.8%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	432	432	432	430	432	432	432	428
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.5%**	**99.6%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Comanche Peak 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	1.0	0	0	0	0	0	0	1.0
Critical hours	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0	786.9	1159.2
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**1.1**

TOP

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	0	0	1.0	1.0	0
Critical hours	1277.7	2183.0	2184.0	2208.0	2209.0	2159.0	786.9	1159.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.9**	**2.2**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	0	0	0	1	1	0	0
Indicator value	**1**	**1**	**0**	**0**	**1**	**2**	**2**	**2**

TOP

Licensee Comments:
1Q/17: LER 445/17-001-00
4Q/16: The Nov. 2016 SSFF value is revised to include a SSFF from LER 16-002-00 that was not included in the 4Q16 PI submittal. This change did not affect the color of the 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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	1.94E-08	1.13E-08	6.60E-09	4.65E-09	-6.06E-09	-2.37E-08	-2.66E-08	-2.52E-08
URI (ΔCDF)	-1.89E-08	-1.93E-08	-1.93E-08	-1.93E-08	-1.30E-08	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-10**	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**	**-1.90E-08**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-2.94E-10	-2.98E-10	-2.98E-10	-2.98E-10	-3.01E-10	-1.68E-10	-1.63E-10	-3.02E-10
URI (ΔCDF)	2.40E-09	2.39E-09	2.39E-09	2.39E-09	2.41E-09	2.72E-10	2.71E-10	-2.51E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**1.00E-10**	**1.10E-10**	**-5.50E-10**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.09E-06	-1.05E-06	-1.05E-06	-2.49E-08	-2.47E-08	-2.43E-08
URI (ΔCDF)	-2.89E-07	-2.87E-07	-2.87E-07	-2.87E-07	-2.79E-07	-7.50E-08	-7.50E-08	-7.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**	**-1.30E-06**	**-1.00E-07**	**-1.00E-07**	**-1.00E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.41E-10	-8.03E-10	-6.60E-10	-6.46E-10	-5.75E-10
URI (ΔCDF)	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.16E-09	-2.15E-09	-2.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.80E-09**	**-2.80E-09**	**-2.70E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-2.90E-08	-4.63E-08	-4.63E-08	-2.47E-08	-1.54E-08	-2.07E-08	-1.94E-08	-1.51E-08
URI (ΔCDF)	3.62E-07	3.59E-07	3.59E-07	1.38E-07	1.40E-07	1.51E-07	1.51E-07	1.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-07**	**3.10E-07**	**3.10E-07**	**1.10E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000449	0.000081	0.000105	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112	0.000110	0.000128	0.000104
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000150	0.000119	0.000150	0.000117	0.000121	0.000217	0.000121	0.000101	0.000079	N/A	0.000080	0.000096
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

TOP

Licensee Comments:
9/17: Unit 2 was shutdown for the entire month of July, therefore reported as NA.

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	0.042	0.052	0.054	0.058	0.127	0.157	0.058	0.058	0.053	0.053	0.044	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.5**	**0.5**	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.059	0.051	0.050	0.052	0.051	0.059	0.047	0.059	0.043	0	0.057	0.071
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.5**	**0.6**	**0.4**	**0**	**0.6**	**0.7**

TOP

Licensee Comments:
9/17: RCS total leakage is being reported as identified leakage
6/17: RCS total leakage is being reported as identified leakage.
3/17: RCS total leakage is being reported as identified leakage.
12/16: RCS total leakage is being reported as identified leakage.
9/16: RCS total leakage is being reported as identified leakage.
6/16: RCS total leakage is being reported as identified leakage.
3/16: RCS total leakage is being reported as identified leakage.
12/15: RCS total leakage is being reported as identified leakage.

Notes

Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	34.0	70.0	41.0	82.0	87.0	83.0	19.0	47.0
Total opportunities	34.0	72.0	41.0	83.0	90.0	83.0	20.0	48.0
Indicator value	**99.0%**	**98.6%**	**98.6%**	**98.5%**	**98.1%**	**98.2%**	**98.4%**	**98.3%**

TOP

Licensee Comments:
4Q/16: The Oct 2016 "successful drill, exer, & event opportunities" was revised from 32 to 30 due to incorrect EAL classifications during LORT sessions.
1Q/16: The Feb 2016 "successful drill, exer, & event opportunities" was revised from 37 to 35 due to incorrect EAL classifications during LORT sessions.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	94.0	92.0	86.0	89.0	92.0	92.0	88.0	85.0
Total Key personnel	95.0	92.0	88.0	92.0	94.0	92.0	90.0	89.0
Indicator value	**98.9%**	**100.0%**	**97.7%**	**96.7%**	**97.9%**	**100.0%**	**97.8%**	**95.5%**

TOP

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	432	432	430	432	432	432	414	431
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.6%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.9%**

TOP

Licensee Comments:
2Q/17: Based on questions from NRC, 14 siren tests for April 2017 were reclassified as failures. This change did not affect the "color" of the indicator.

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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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**

TOP

Licensee Comments: none

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

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Comanche Peak 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	786.9	1159.2	2109.1
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**1.1**	**2.3**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	786.9	1159.2	2109.1
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.9**	**2.2**	**2.3**

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Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	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)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	0	0	0	1	1	0	0	0
Indicator value	**1**	**0**	**0**	**1**	**2**	**2**	**2**	**1**

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Licensee Comments:
1Q/17: LER 445/17-001-00
4Q/16: The Nov. 2016 SSFF value is revised to include a SSFF from LER 16-002-00 that was not included in the 4Q16 PI submittal. This change did not affect the color of the 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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	1.13E-08	6.60E-09	4.65E-09	-6.06E-09	-2.37E-08	-2.66E-08	-2.52E-08	-2.54E-08
URI (ΔCDF)	-1.93E-08	-1.93E-08	-1.93E-08	-1.30E-08	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.00E-09**	**-1.30E-08**	**-1.50E-08**	**-1.90E-08**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-2.98E-10	-2.98E-10	-2.98E-10	-3.01E-10	-1.68E-10	-1.63E-10	-3.02E-10	-3.02E-10
URI (ΔCDF)	2.39E-09	2.39E-09	2.39E-09	2.41E-09	2.72E-10	2.71E-10	-2.51E-10	-2.52E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-09**	**2.10E-09**	**2.10E-09**	**2.10E-09**	**1.00E-10**	**1.10E-10**	**-5.50E-10**	**-5.50E-10**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.09E-06	-1.09E-06	-1.05E-06	-1.05E-06	-2.49E-08	-2.47E-08	-2.43E-08	-2.43E-08
URI (ΔCDF)	-2.87E-07	-2.87E-07	-2.87E-07	-2.79E-07	-7.50E-08	-7.50E-08	-7.52E-08	-7.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-06**	**-1.40E-06**	**-1.30E-06**	**-1.30E-06**	**-1.00E-07**	**-1.00E-07**	**-1.00E-07**	**-1.00E-07**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-8.41E-10	-8.41E-10	-8.41E-10	-8.03E-10	-6.60E-10	-6.46E-10	-5.75E-10	-7.15E-10
URI (ΔCDF)	-2.46E-09	-2.46E-09	-2.46E-09	-2.46E-09	-2.16E-09	-2.15E-09	-2.15E-09	-2.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.80E-09**	**-2.80E-09**	**-2.70E-09**	**-2.90E-09**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-4.63E-08	-4.63E-08	-2.47E-08	-1.54E-08	-2.07E-08	-1.94E-08	-1.51E-08	-2.52E-08
URI (ΔCDF)	3.59E-07	3.59E-07	1.38E-07	1.40E-07	1.51E-07	1.51E-07	1.51E-07	1.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.10E-07**	**1.10E-07**	**1.20E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**1.30E-07**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The CPNPP PRA Model Revision 5 was approved on 11/3/16 with a corresponding MSPI Basis Document Revision 8 approved on 3/30/17. The PRA model revision was a periodic update which included a data update, incorporation of plant design changes (specifically RCP shield/shutdown seals), and Human Error Probabilities were updated using the EPRI HRA calculator. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000112	0.000140	0.000144	0.000098	0.000110	0.000112	0.000110	0.000128	0.000104	0.000150	0.000119	0.000150
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000117	0.000121	0.000217	0.000121	0.000101	0.000079	N/A	0.000080	0.000096	0.000108	0.000092	0.000142
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments:
9/17: Unit 2 was shutdown for the entire month of July, therefore reported as NA.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.058	0.127	0.157	0.058	0.058	0.053	0.053	0.044	0.054	0.059	0.051	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**1.3**	**1.6**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.5**	**0.6**	**0.5**	**0.5**

Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.052	0.051	0.059	0.047	0.059	0.043	0	0.057	0.071	0.066	0.061	0.062
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.5**	**0.6**	**0.5**	**0.6**	**0.4**	**0**	**0.6**	**0.7**	**0.7**	**0.6**	**0.6**

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Licensee Comments:
12/17: RCS total leakage is being reported as identified leakage.
9/17: RCS total leakage is being reported as identified leakage
6/17: RCS total leakage is being reported as identified leakage.
3/17: RCS total leakage is being reported as identified leakage.
12/16: RCS total leakage is being reported as identified leakage.
9/16: RCS total leakage is being reported as identified leakage.
6/16: RCS total leakage is being reported as identified leakage.
3/16: RCS total leakage is being reported as identified leakage.

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	70.0	41.0	82.0	87.0	83.0	19.0	47.0	35.0
Total opportunities	72.0	41.0	83.0	90.0	83.0	20.0	48.0	39.0
Indicator value	**98.6%**	**98.6%**	**98.5%**	**98.1%**	**98.2%**	**98.4%**	**98.3%**	**97.5%**

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Licensee Comments:
4Q/16: The Oct 2016 "successful drill, exer, & event opportunities" was revised from 32 to 30 due to incorrect EAL classifications during LORT sessions.
1Q/16: The Feb 2016 "successful drill, exer, & event opportunities" was revised from 37 to 35 due to incorrect EAL classifications during LORT sessions.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	92.0	86.0	89.0	92.0	92.0	88.0	85.0	90.0
Total Key personnel	92.0	88.0	92.0	94.0	92.0	90.0	89.0	90.0
Indicator value	**100.0%**	**97.7%**	**96.7%**	**97.9%**	**100.0%**	**97.8%**	**95.5%**	**100.0%**

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Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	432	430	432	432	432	414	431	429
Total sirens-tests	432	432	432	432	432	432	432	432
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.9%**	**98.7%**

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Licensee Comments:
2Q/17: Based on questions from NRC, 14 siren tests for April 2017 were reclassified as failures. This change did not affect the "color" of the indicator.

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

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

Current data as of: February 1, 2018

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