

Comanche Peak 2

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	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



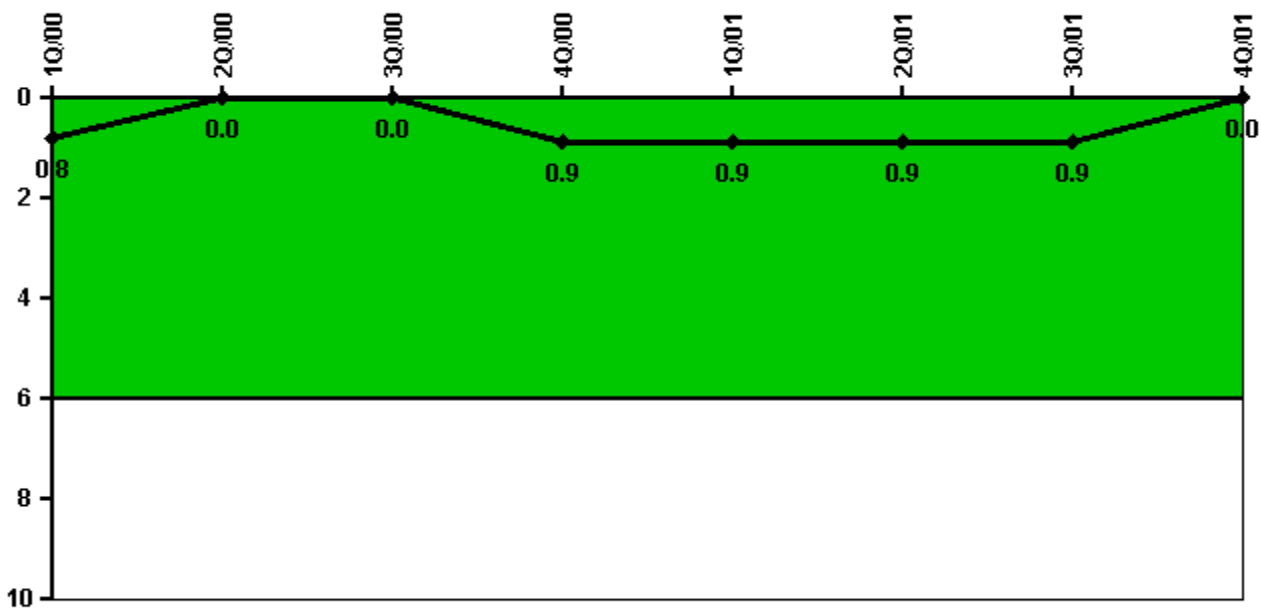
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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



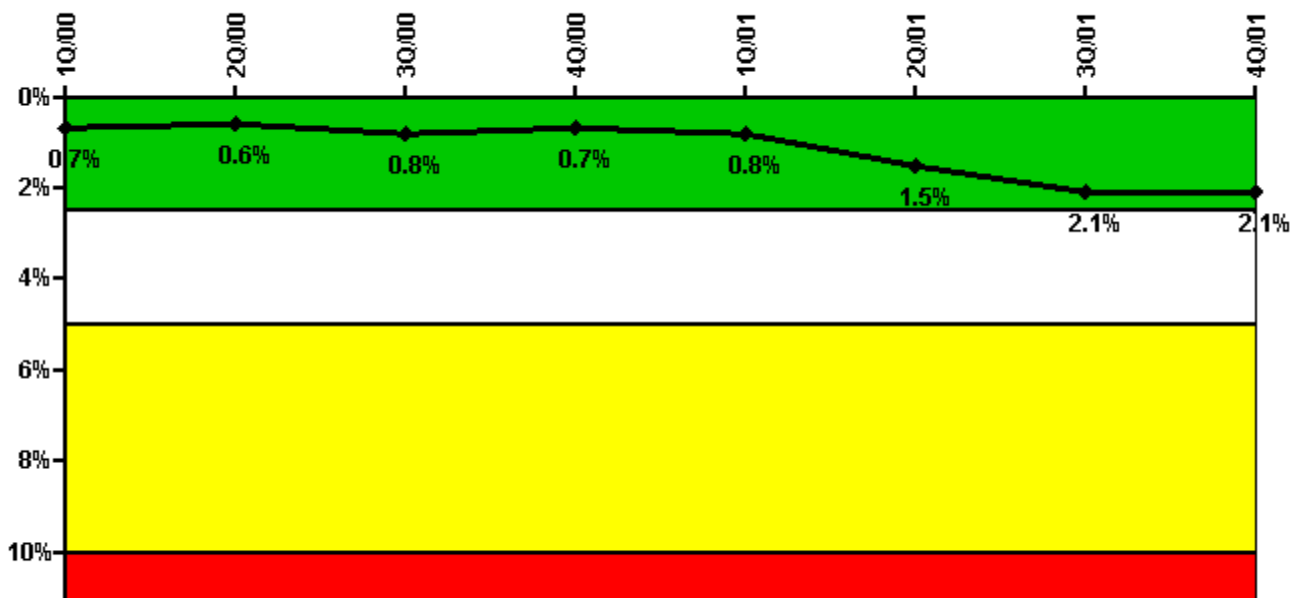
Thresholds: White > 6.0

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%

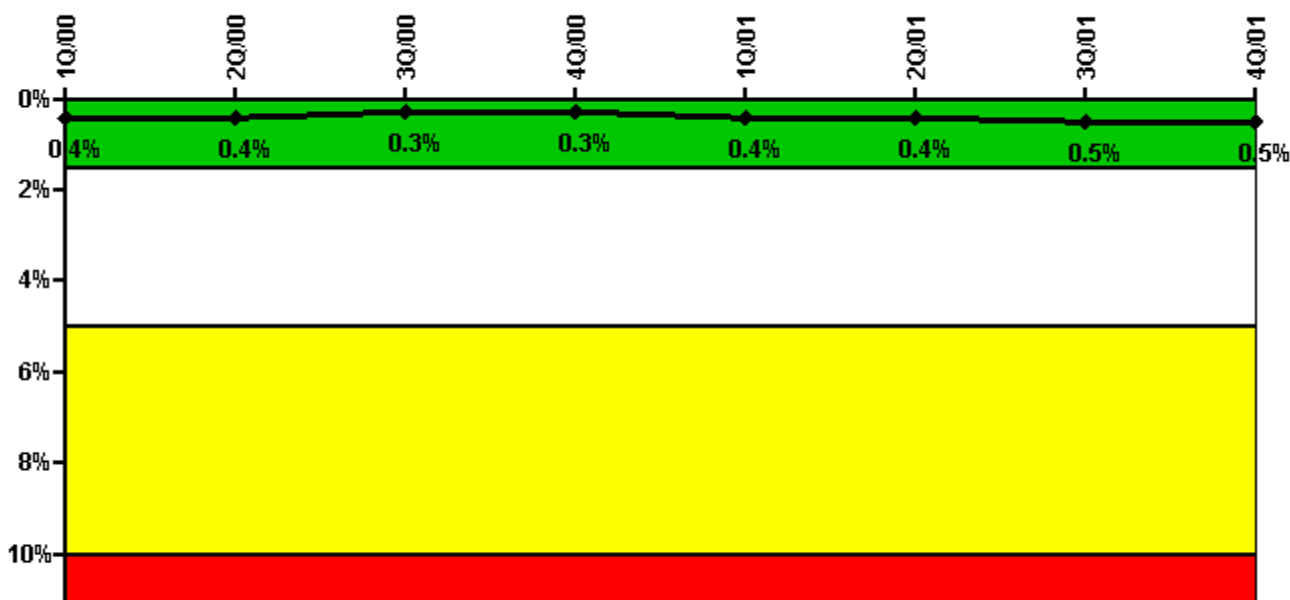
Licensee Comments:

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%

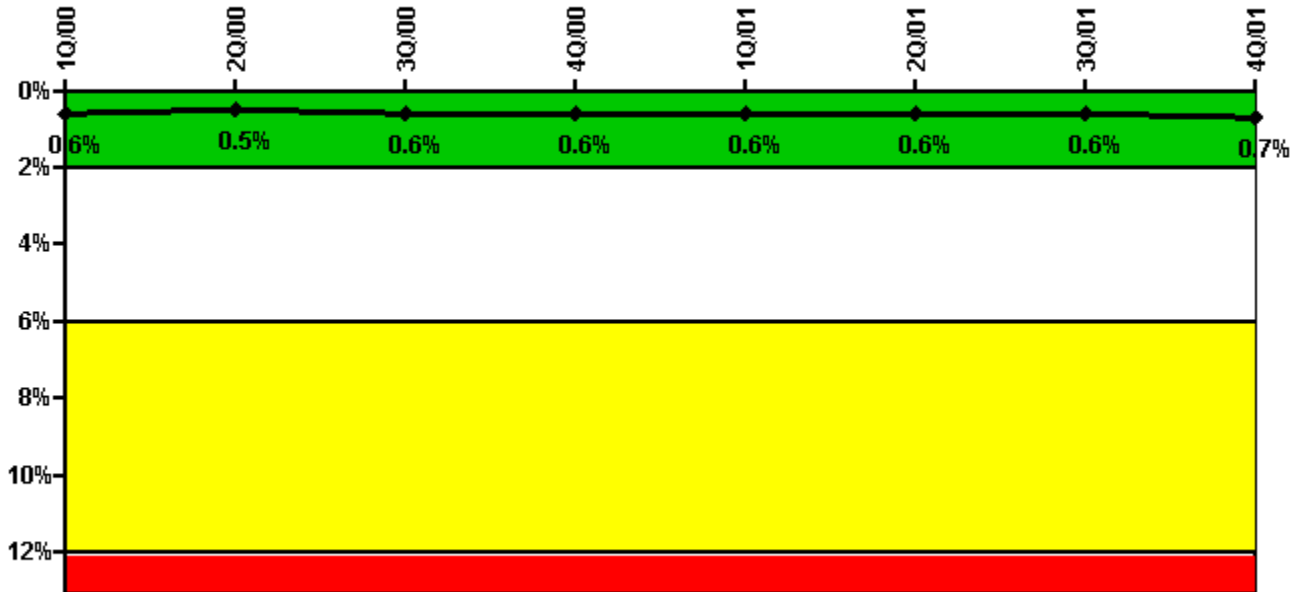
Licensee Comments:

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%

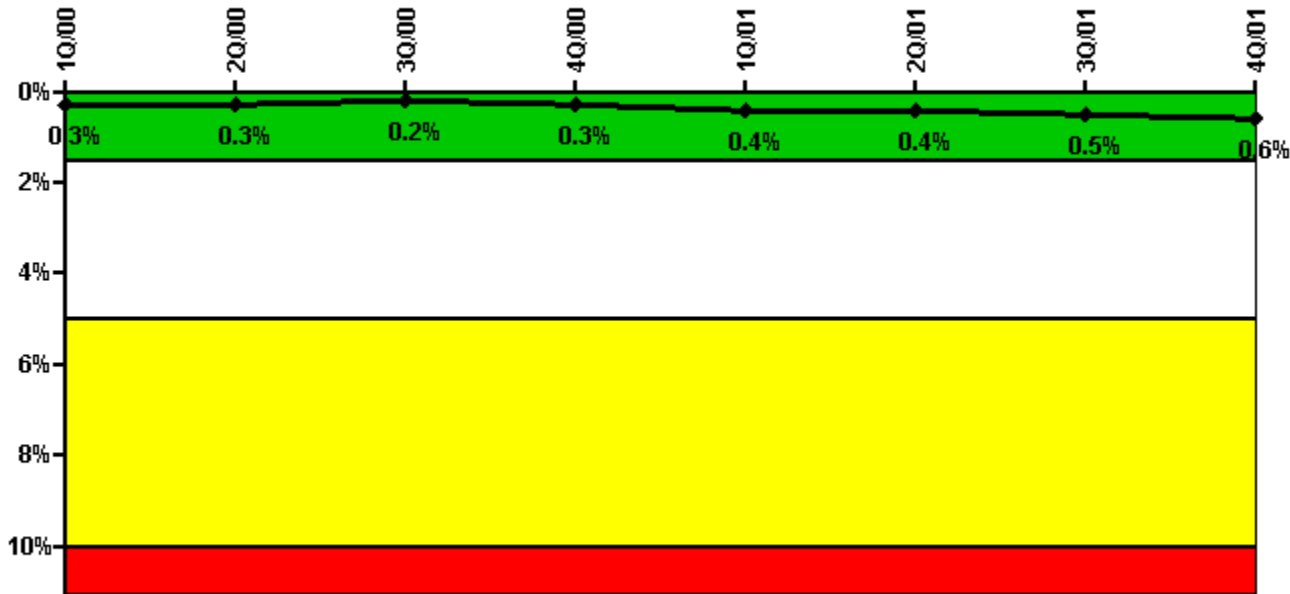
Licensee Comments:

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.

Safety System Unavailability, Residual Heat Removal System



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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	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%

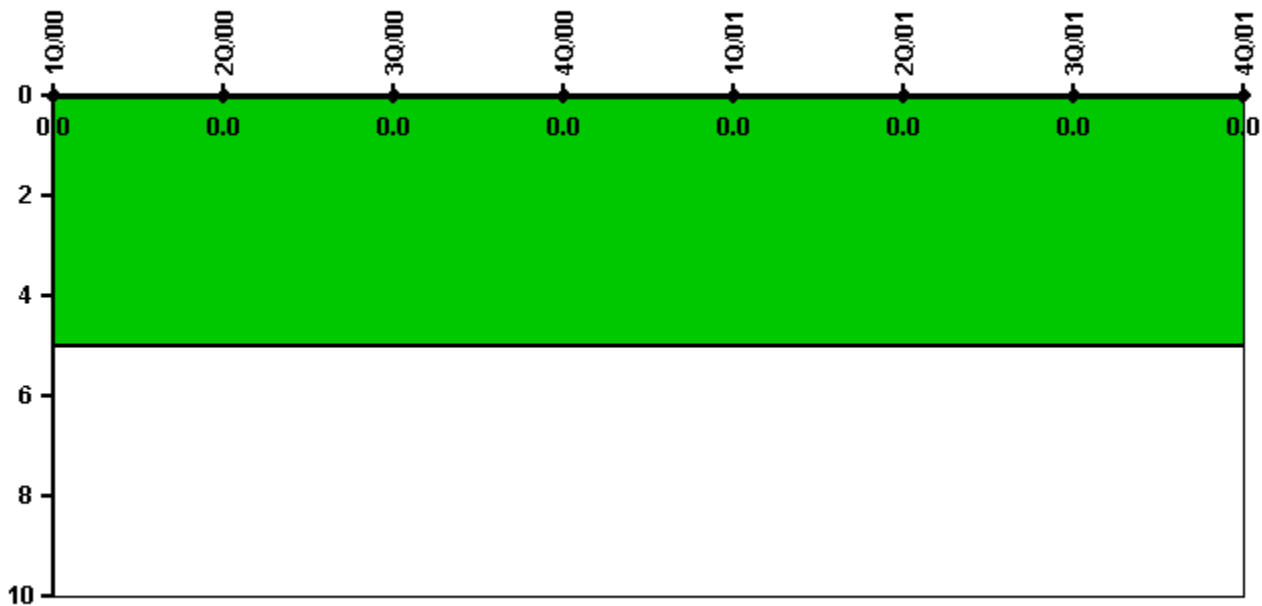
Licensee Comments:

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)



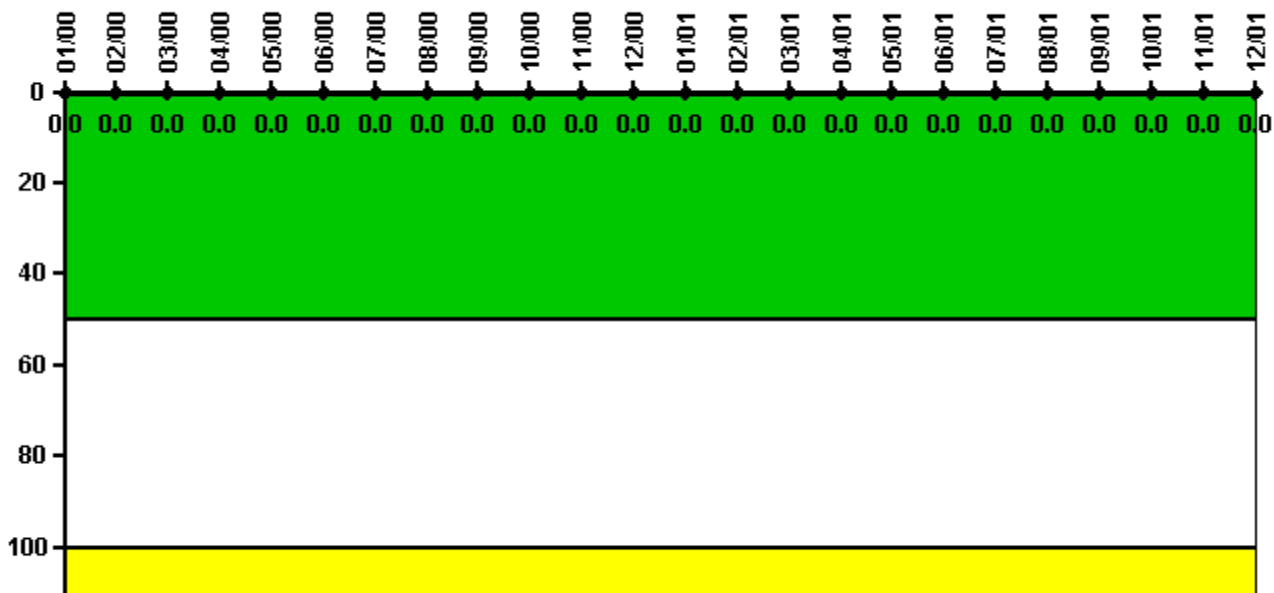
Thresholds: White > 5.0

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

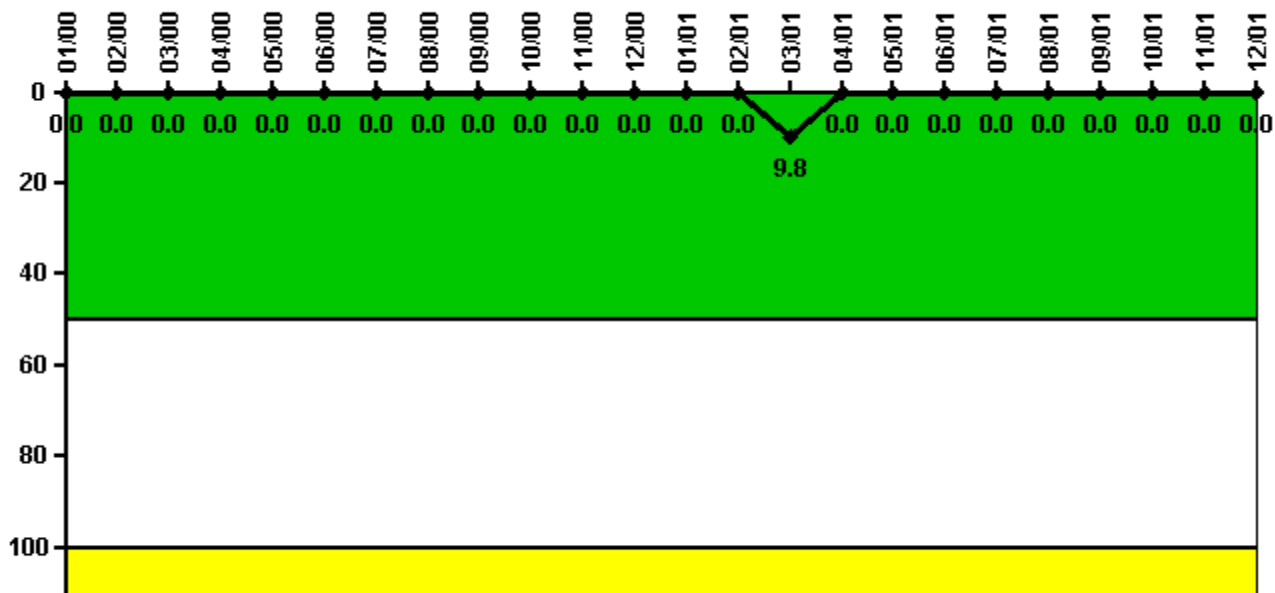
Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143	0.000145	0.000142	0.000154
Technical specification limit	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator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

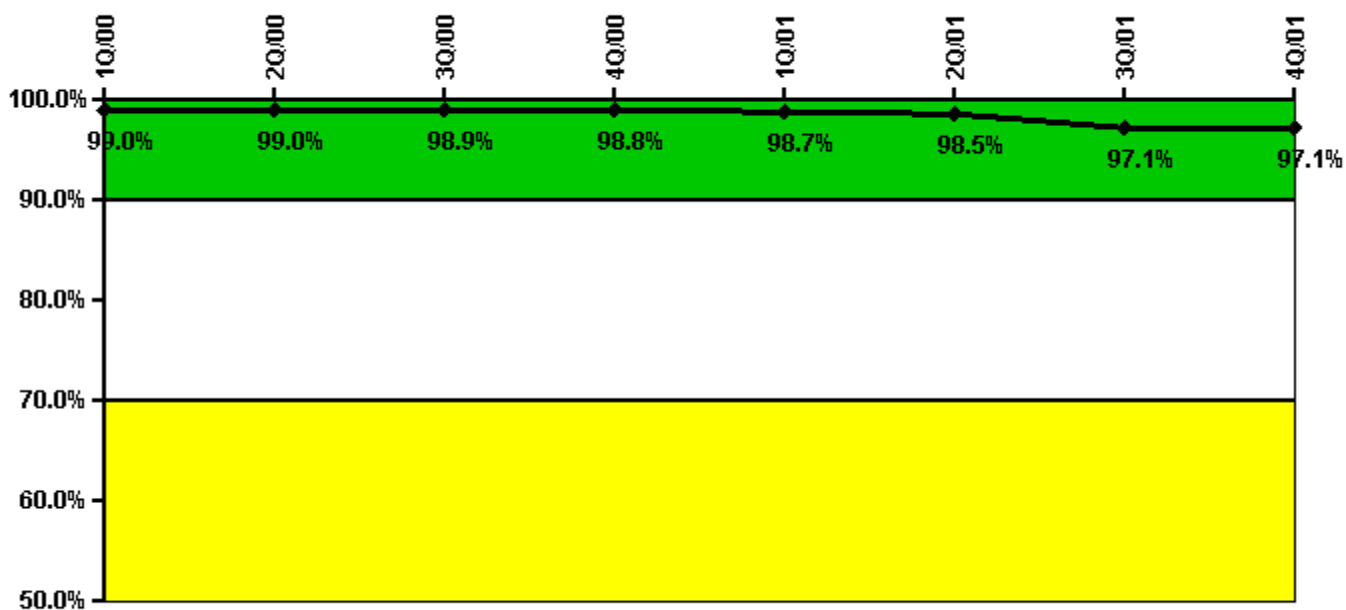
Notes

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



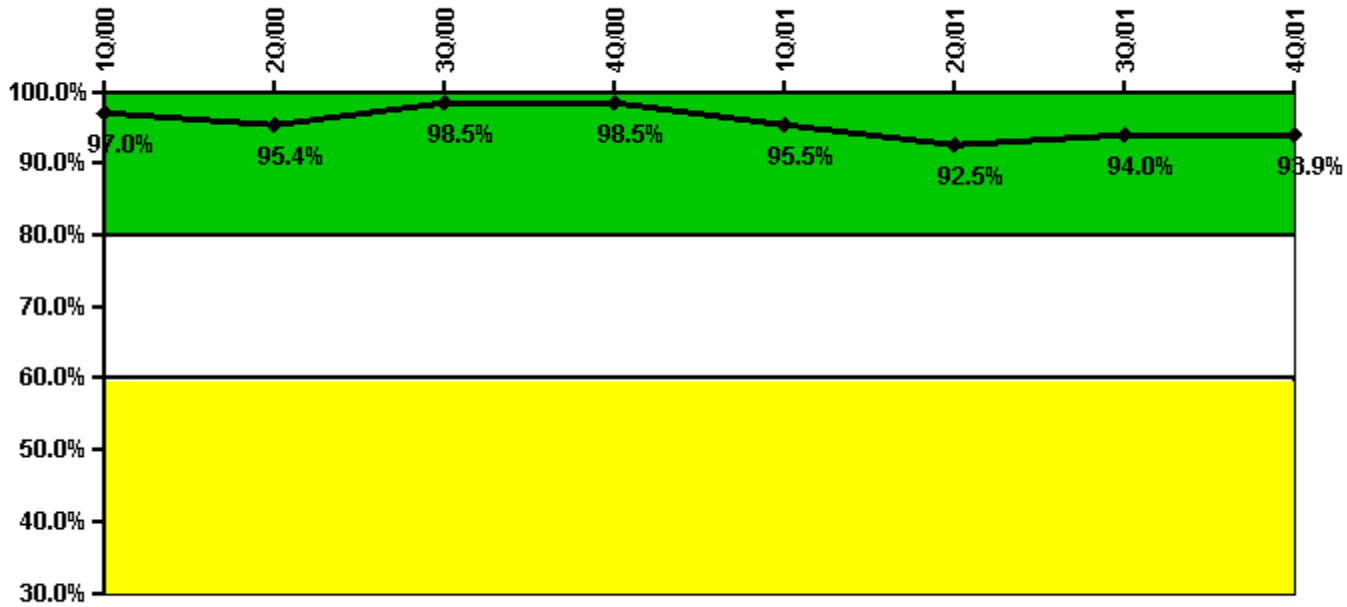
Thresholds: White < 90.0% Yellow < 70.0%

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



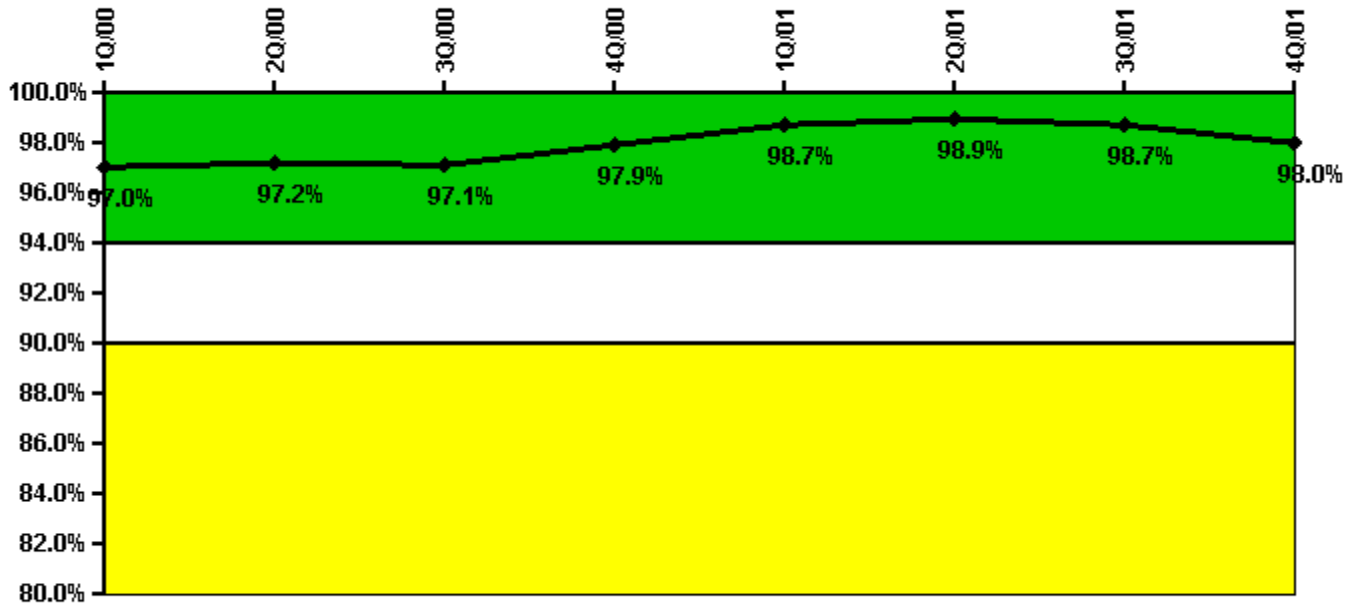
Thresholds: White < 80.0% Yellow < 60.0%

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



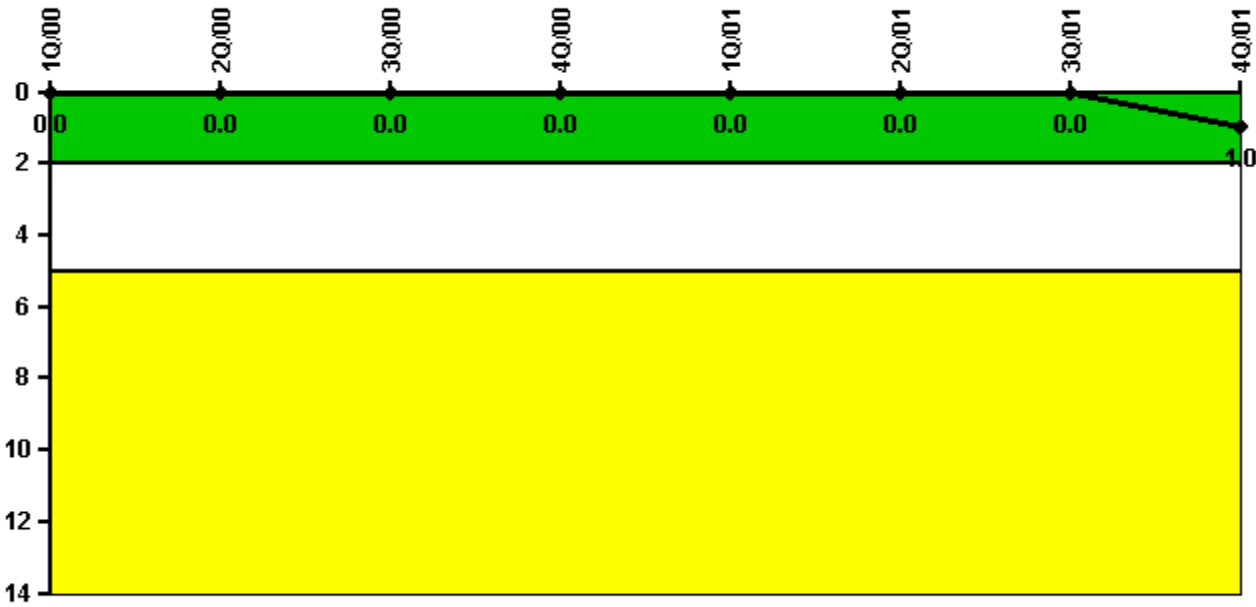
Thresholds: White < 94.0% Yellow < 90.0%

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



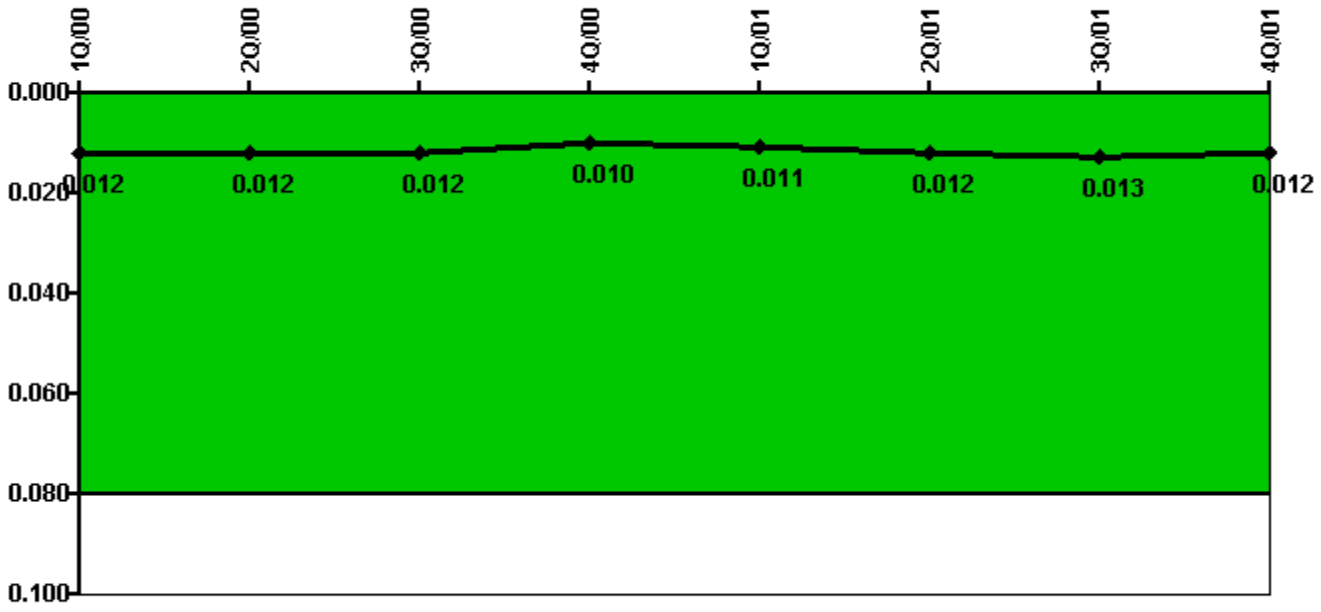
Thresholds: White > 1.0 Yellow > 3.0

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

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

Last Modified: March 15, 2002