

Comanche Peak 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	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



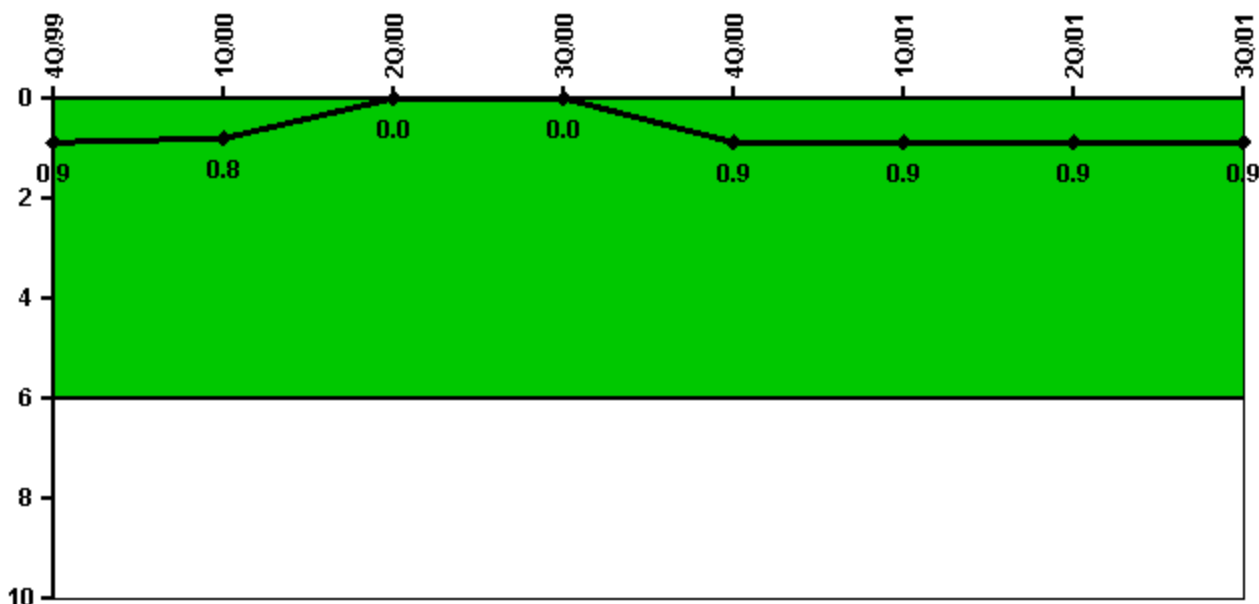
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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



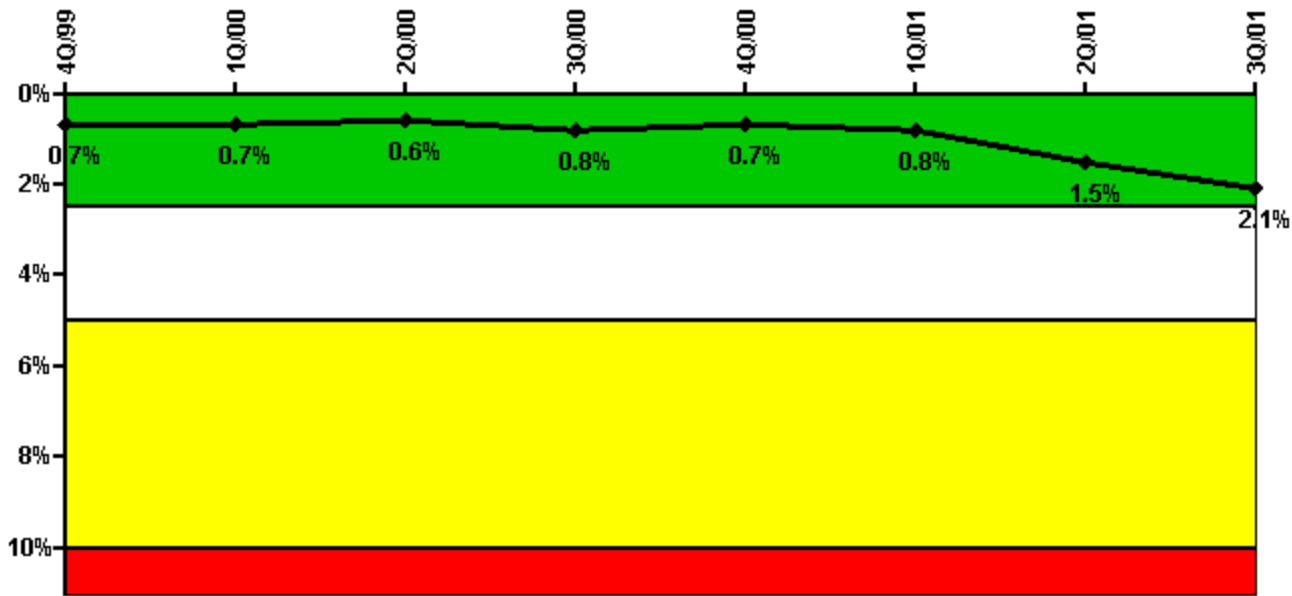
Thresholds: White > 6.0

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.

Indicator value	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.5%
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Licensee Comments:

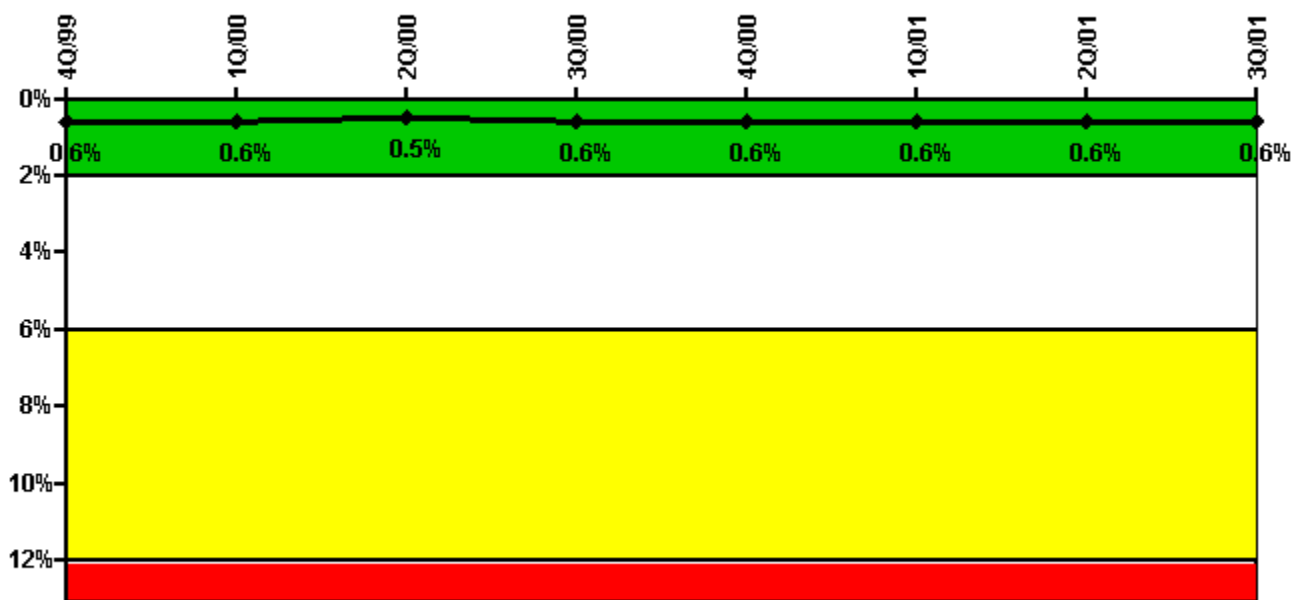
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

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:

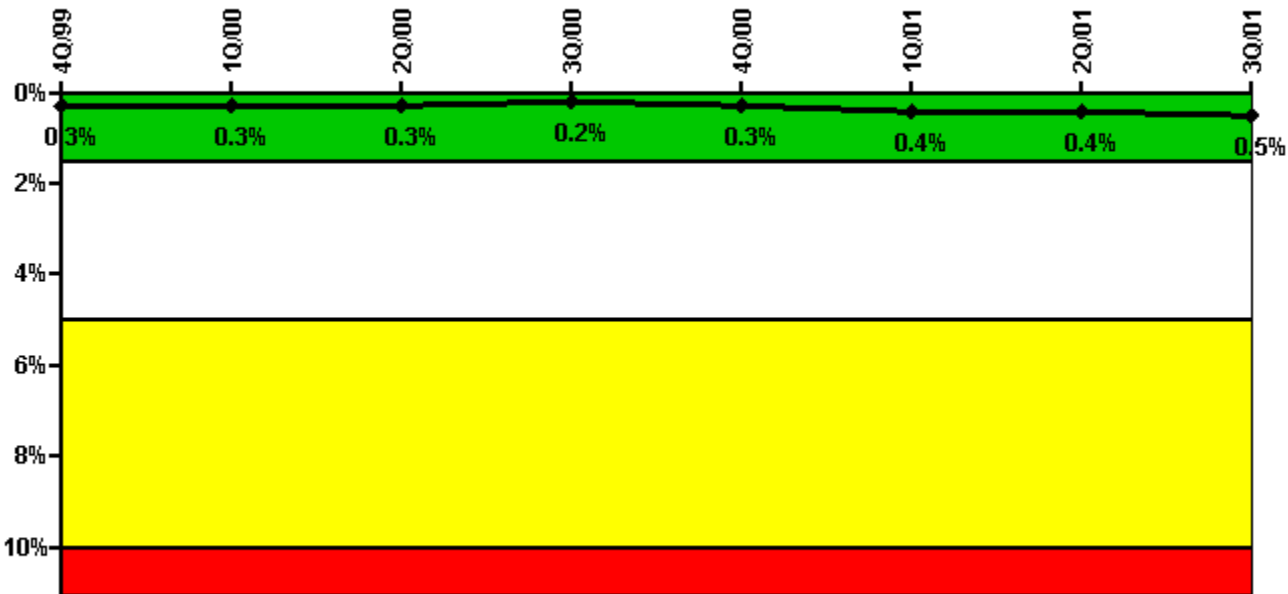
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

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:

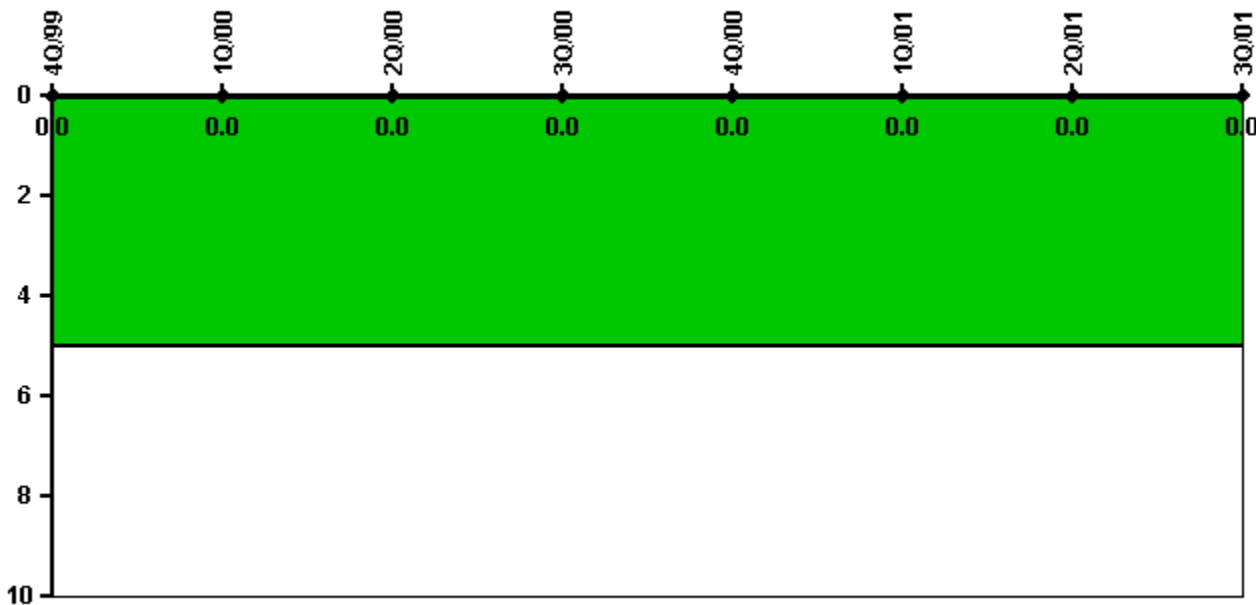
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

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)



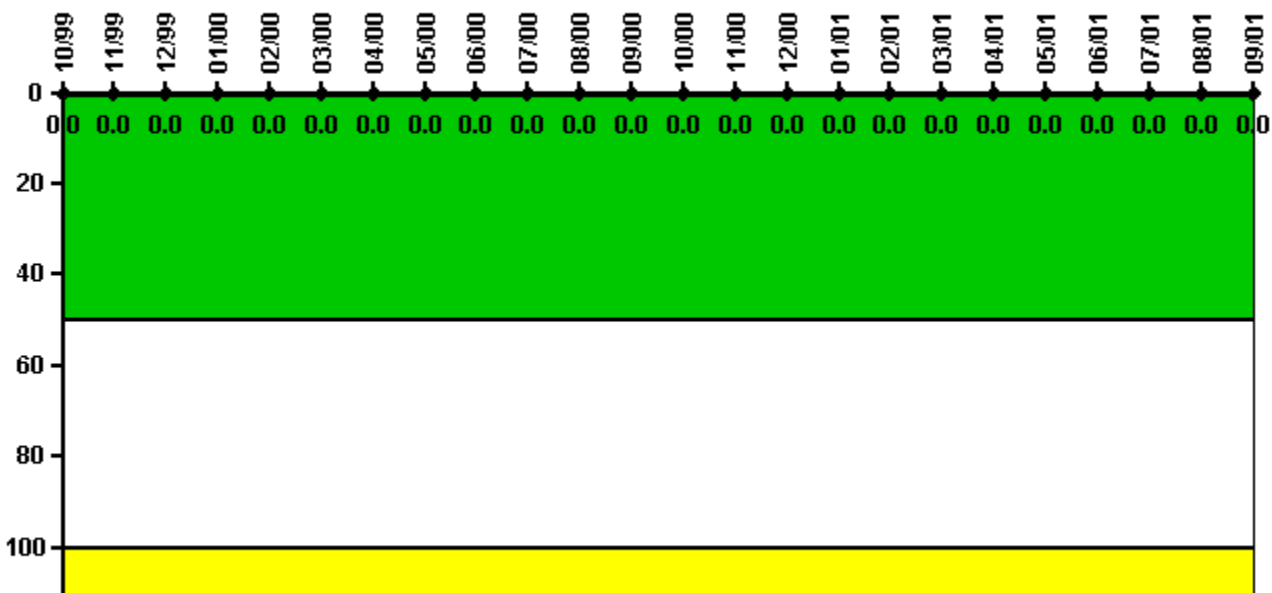
Thresholds: White > 5.0

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

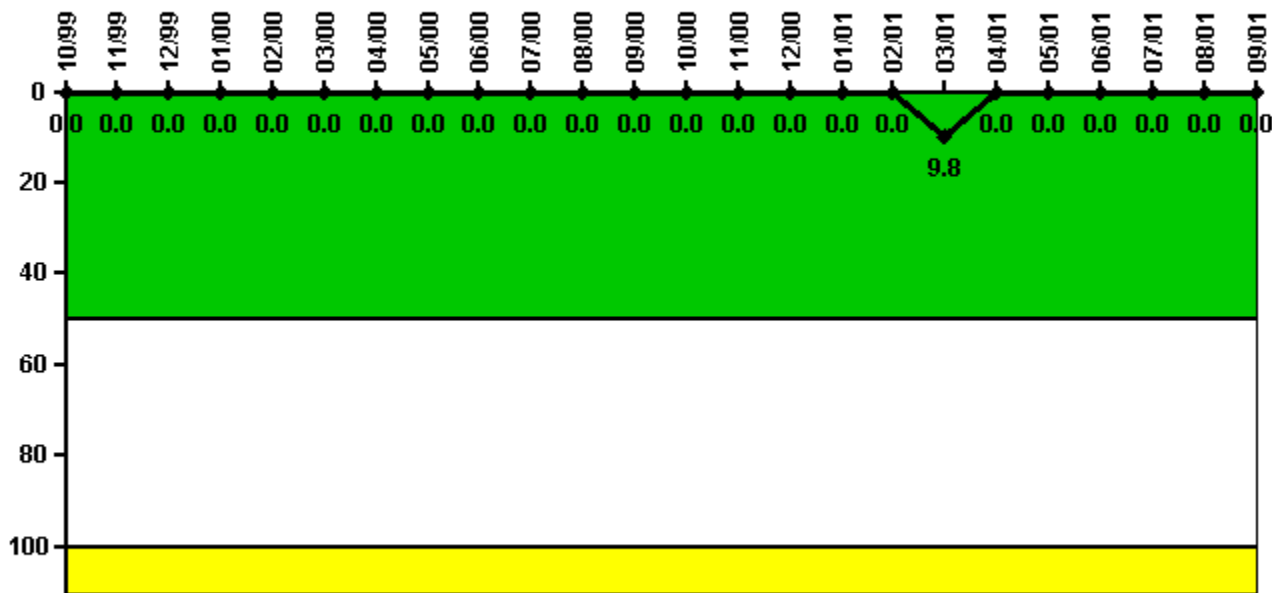
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0	0.000105	0.000105	0.000110	0.000119	0.000120	0.000119	0.000141	0.000128	0.000126	0.000134	0.000143
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
Indicator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

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

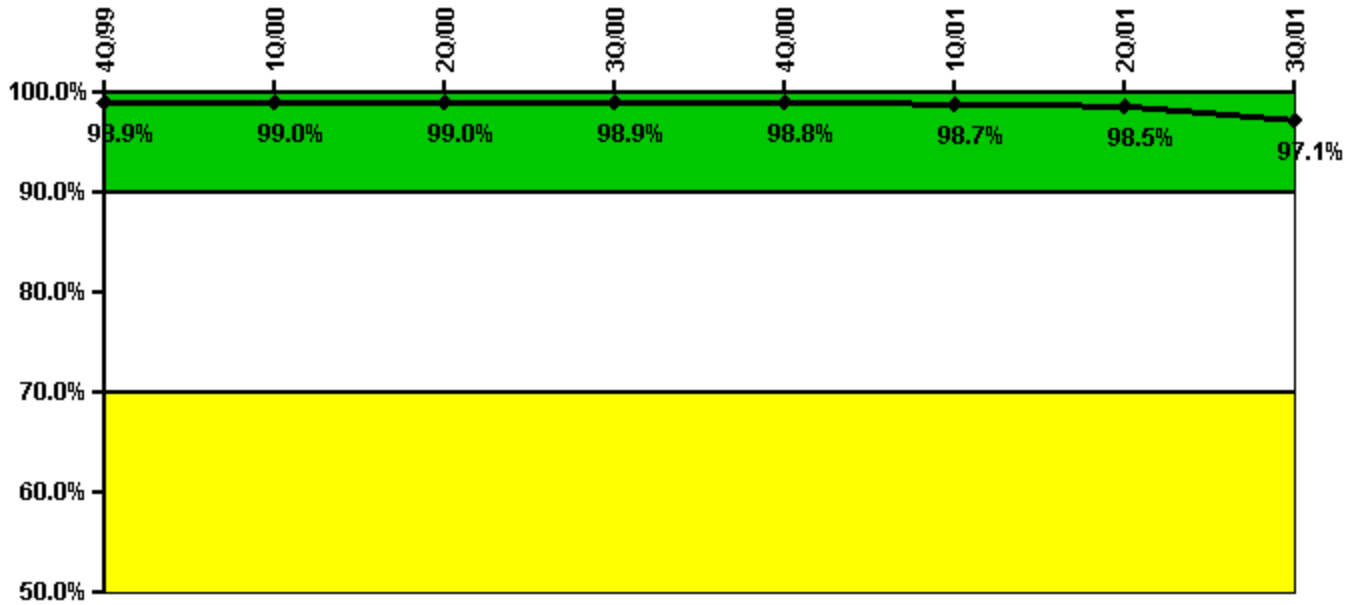
Notes

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	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



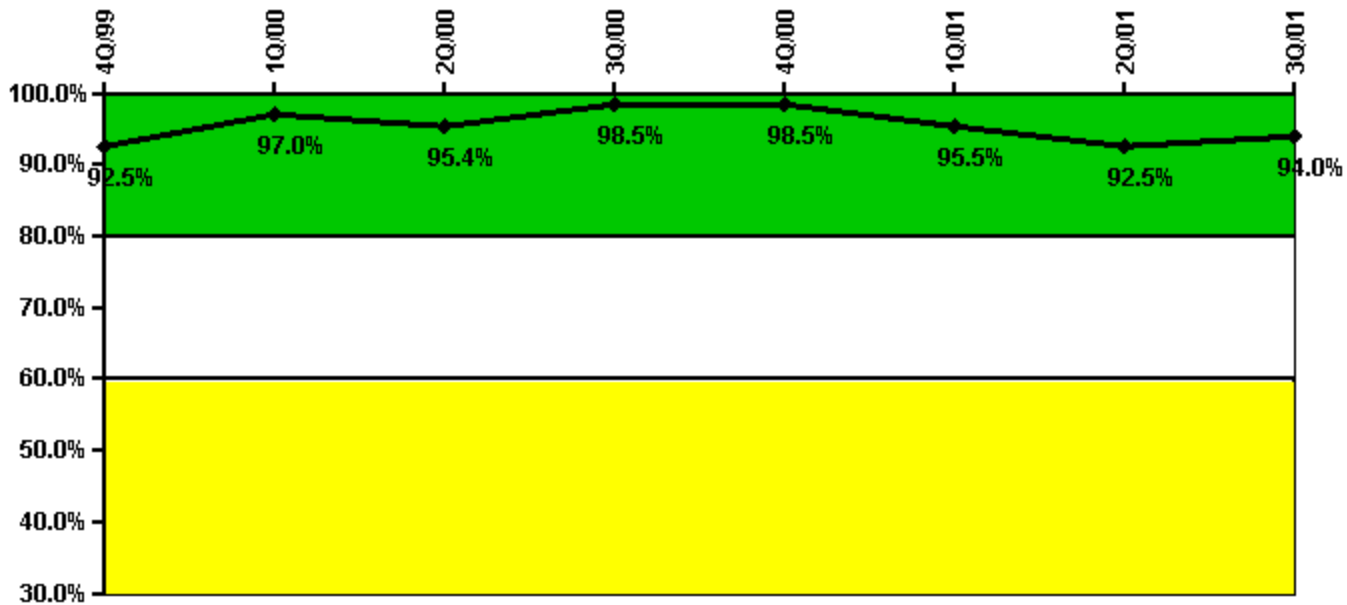
Thresholds: White < 90.0% Yellow < 70.0%

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

ERO Drill Participation



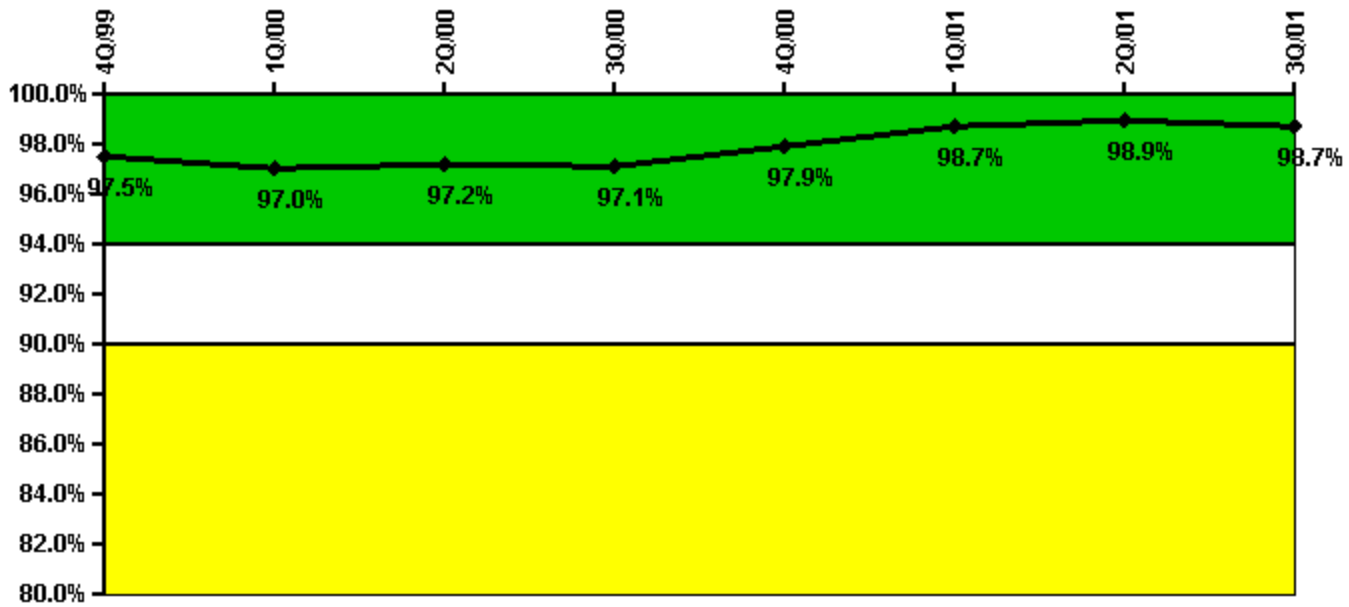
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	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



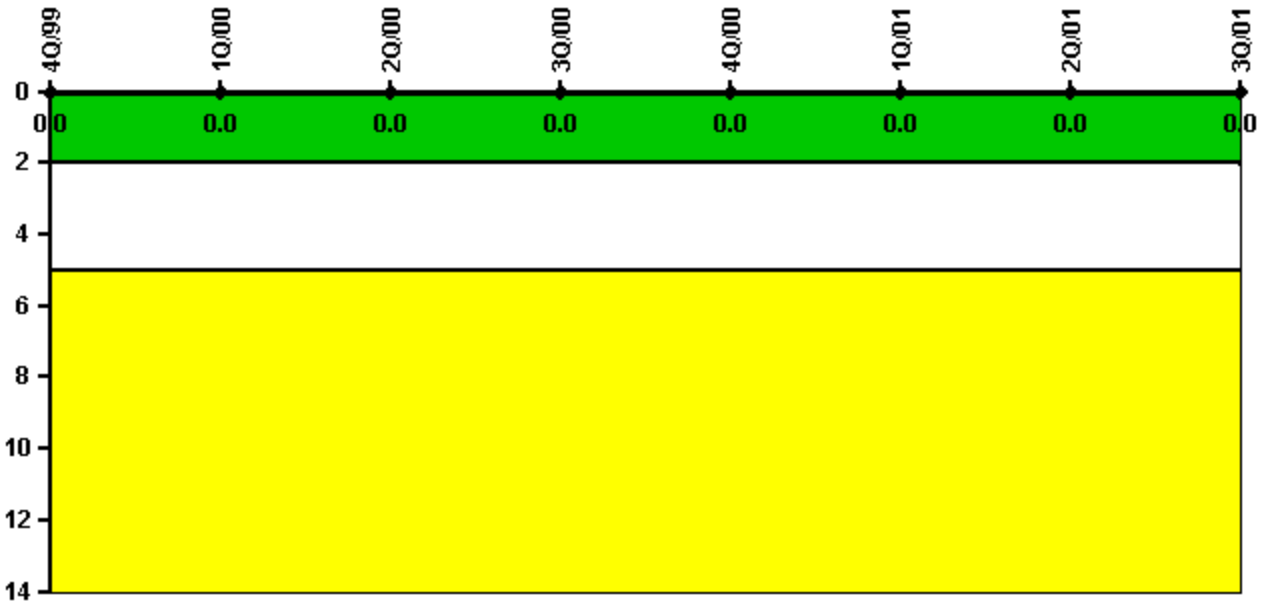
Thresholds: White < 94.0% Yellow < 90.0%

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



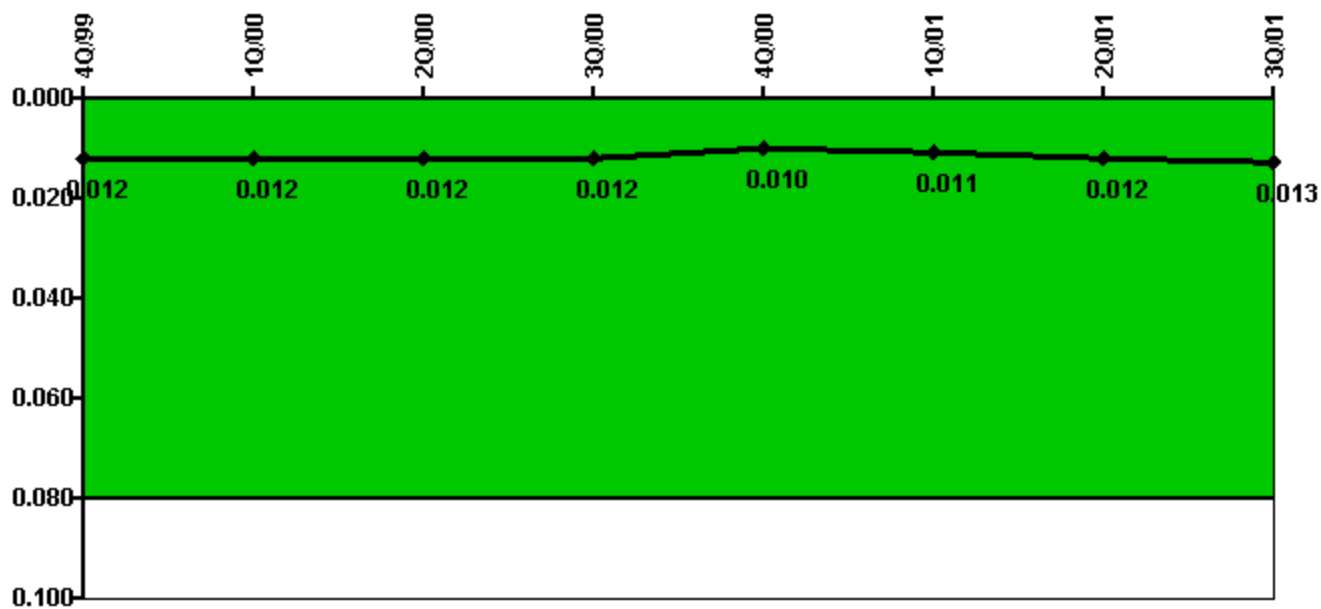
Thresholds: White > 1.0 Yellow > 3.0

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

Protected Area Security Performance Index



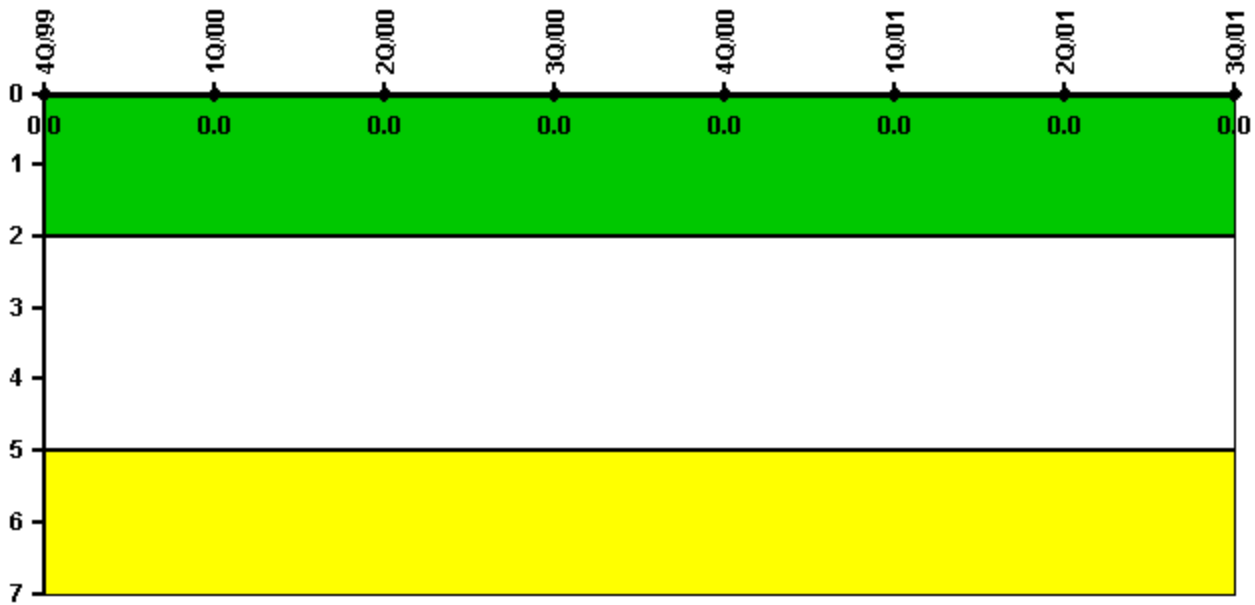
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	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

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

Last Modified: March 26, 2002