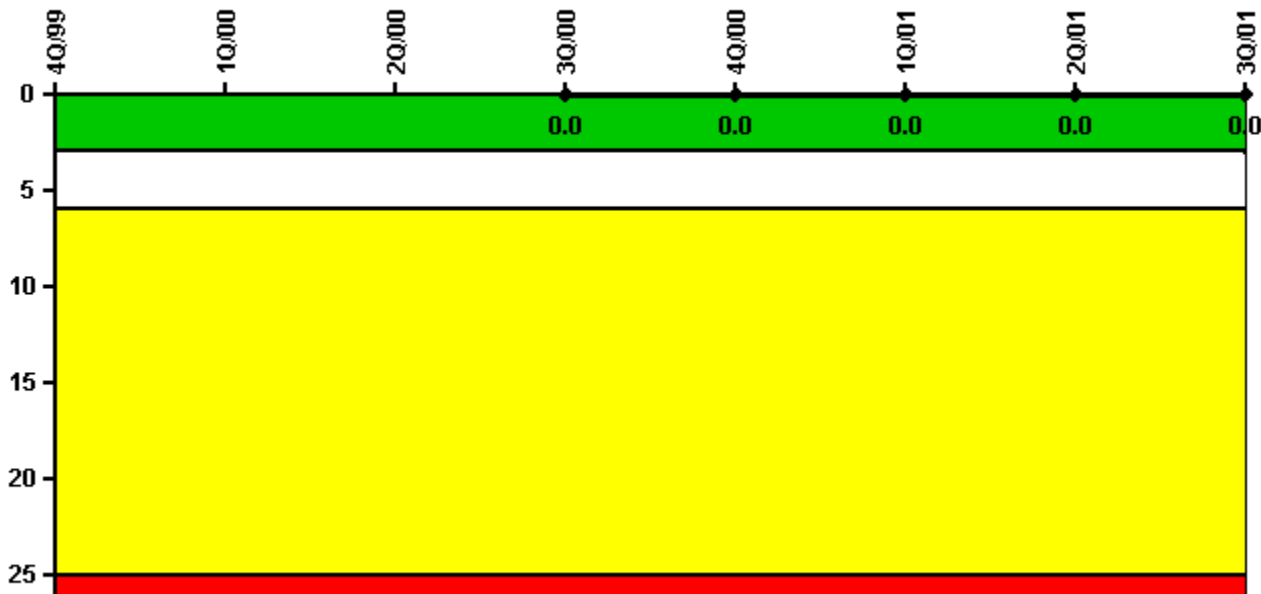


D.C. Cook 2

3Q/2001 Performance Indicators

Licensee's General Comments: Cook Unit 2 returned to service June 25, 2000 after a 33-month forced outage. Without sufficient operational service, various performance indicators are not calculated.

Unplanned Scrams per 7000 Critical Hrs



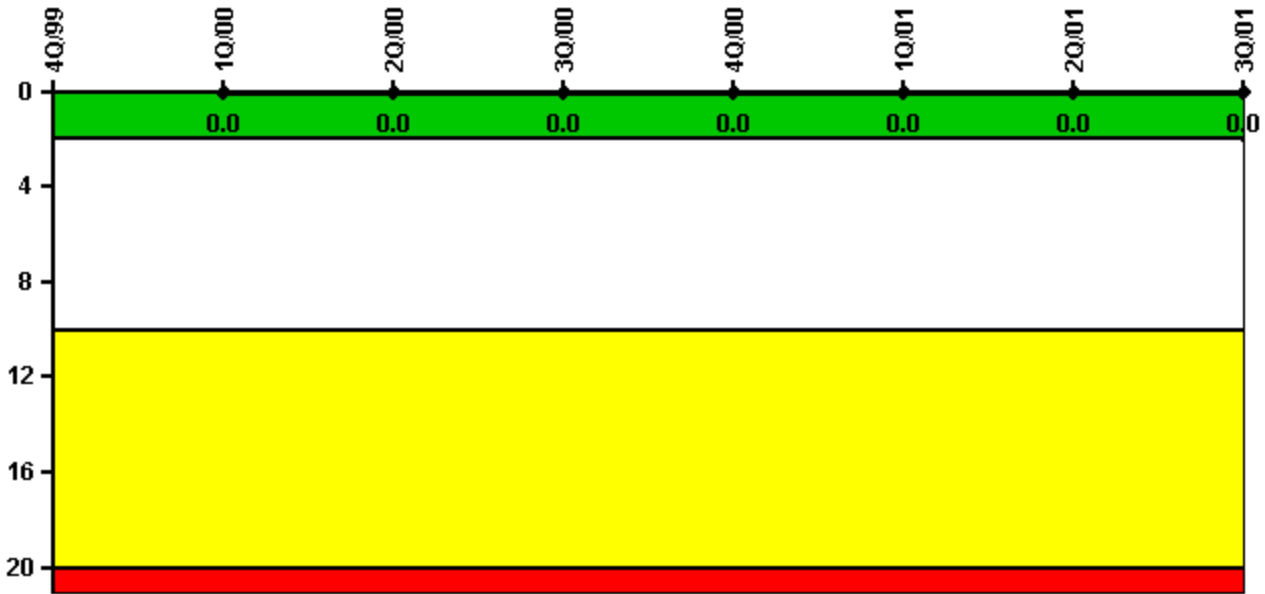
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0
Critical hours	0	0	197.0	2208.0	2209.0	2076.0	2183.0	1454.0
Indicator value	N/A	N/A	N/A	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



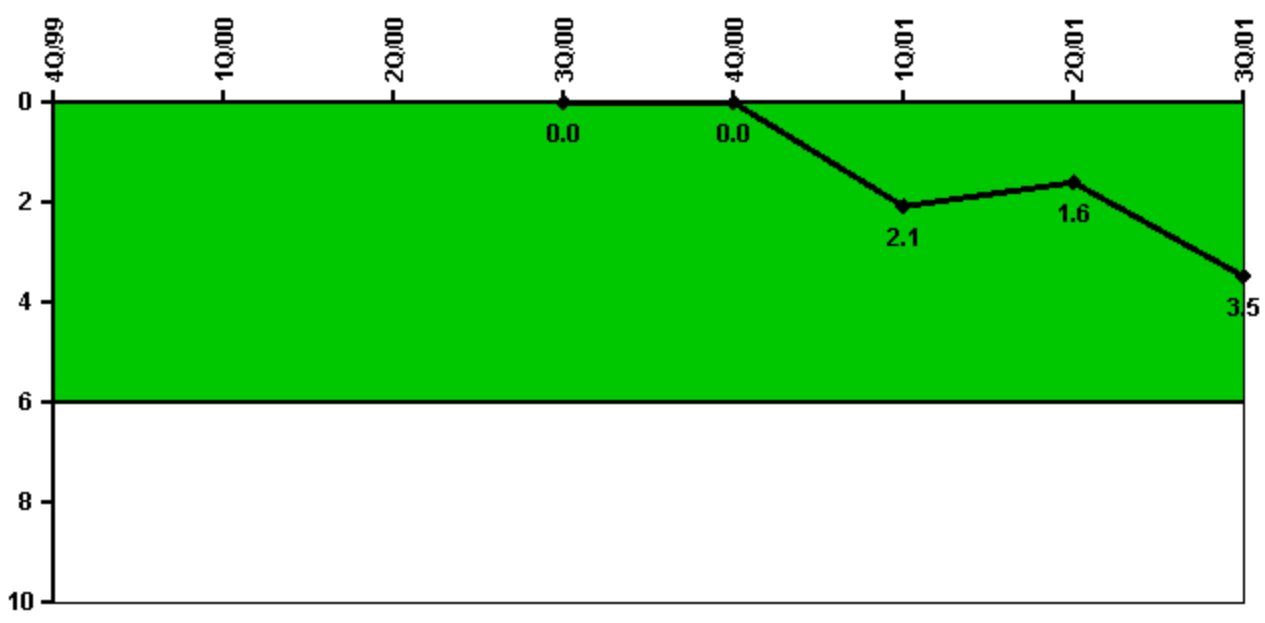
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

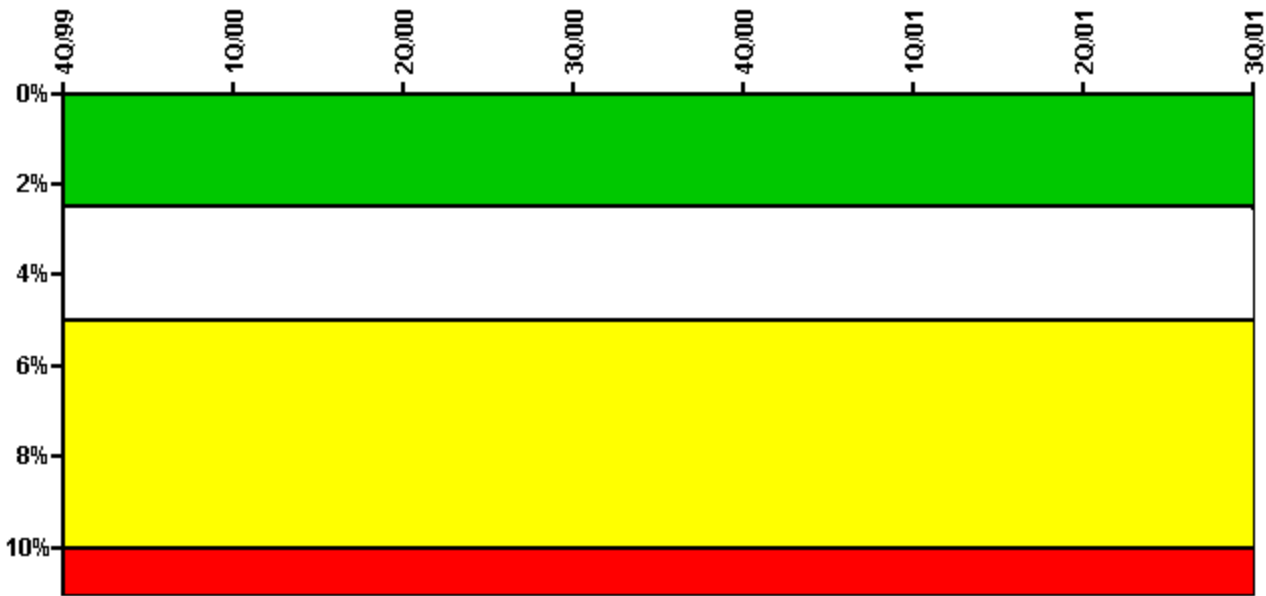
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	2.0	0	2.0
Critical hours	0	0	197.0	2208.0	2209.0	2076.0	2183.0	1454.0
Indicator value	N/A	N/A	N/A	0	0	2.1	1.6	3.5

Licensee Comments:

3Q/01: Unit 2 required two Unplanned Power Changes this quarter. On August 10, 2001, Unit 2 entered a Technical Specification required shutdown due to two inoperable auxiliary feedwater pumps and exited the required shutdown at 75% reactor power when operability of one of the auxiliary feedwater pumps was restored. On August 30, 2001, Unit 2 was shutdown due to degraded essential service water (ESW) system flow. The degraded flow was caused by silt intrusion via a faulted strainer basket. Corrective actions have been implemented to correct the strainer basket design and installation practices. Also, design changes were implemented to prevent a failed strainer basket from impacting both ESW headers.

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	0	0	4.45	8.20	20.78	0.47	5.20	0.30
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	0	0	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0	6.20	0	13.30	27.25	26.18	0.58
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	0	0	2184.00	2208.00	2209.00	2160.00	2183.00	1524.50
Indicator value								

Licensee Comments:

3Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

4Q/00: Change made to add planned unavailable hours to train 1EDG to account for CO2 testing.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

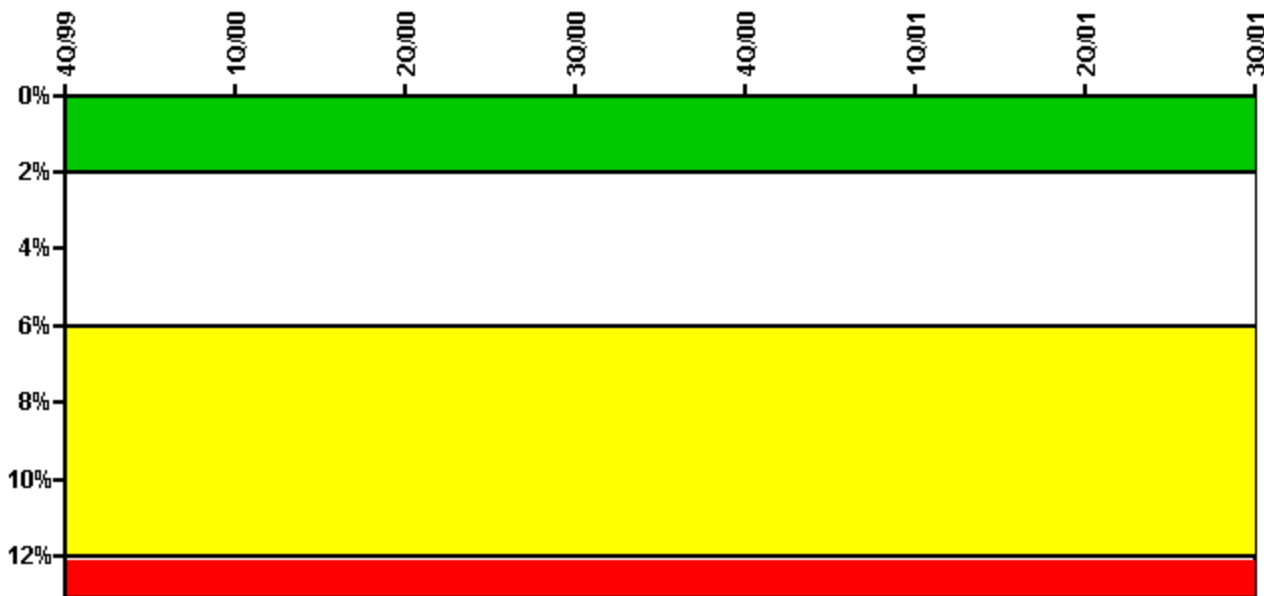
Planned unavailable hours	0	0	0	0	3.72	13.83	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	453.60	2208.00	2209.00	2160.00	2183.00	1524.47
Train 4								
Planned unavailable hours	0	0	0	4.97	0	0	5.57	0
Unplanned unavailable hours	0	0	11.25	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	453.60	2208.00	2209.00	2160.00	2183.00	1501.97
Indicator value								

Licensee Comments:

- 3Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.
- 1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.
- 4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.
- 3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.
- 2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.
- 1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.



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	0	0	0.98	0	0	5.58	0	1.32
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	0	0	454.00	2208.00	2209.00	2160.00	2183.00	1579.05
Train 2								
Planned unavailable hours	0	0	1.10	0	10.41	0	1.00	1.85
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	454.00	2208.00	2209.00	2160.00	2183.00	1579.05
Train 3								
Planned unavailable hours	0	0	0	0	0	11.98	0	5.75
Unplanned unavailable hours	0	0	0	0	0	0	0	32.39
Fault exposure hours	0	0	78.06	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	454.00	2208.00	2209.00	2160.00	2183.00	1579.05
Indicator value								

Licensee Comments:

3Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated. Fault exposure hours are being reported for Train 3, Turbine Driven Auxiliary Feed Pump (TDAFP). The fault exposure was a demand failure where the time of occurrence and exposure is unknown. Fault exposure hours were estimated using half of the time (T/2) since the last successful test of the TDAFP. The total T/2 fault exposure was 1007.49 hours and required a change report to be submitted for the 2Q2001 data reporting 45.44 hours for the fault exposure.

3Q/01: In accordance with FAQ 291, approved November 15, 2001, a change report was submitted to remove the T/2 fault exposure hours from

the PI calculation. The fault exposure hours were for Train 3, Turbine Driven Auxiliary Feed Pump (TDAFP). The fault exposure was a demand failure where the time of occurrence and exposure is unknown. Fault exposure hours were estimated using half of the time (T/2) since the last successful test of the TDAFP. The total T/2 fault exposure was 1007.49 hours.

2Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

2Q/01: In accordance with FAQ 291, approved November 15, 2001, a change report was submitted to remove the T/2 fault exposure hours from the PI calculation.

4Q/00: Change report submitted to remove unplanned unavailable hours for the TDAFP as the result of an evaluation performed that determined the TDAFP was available. Also, the 10.41 hours of planned unavailable hours has been moved to train 2 to correct a train reporting error.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

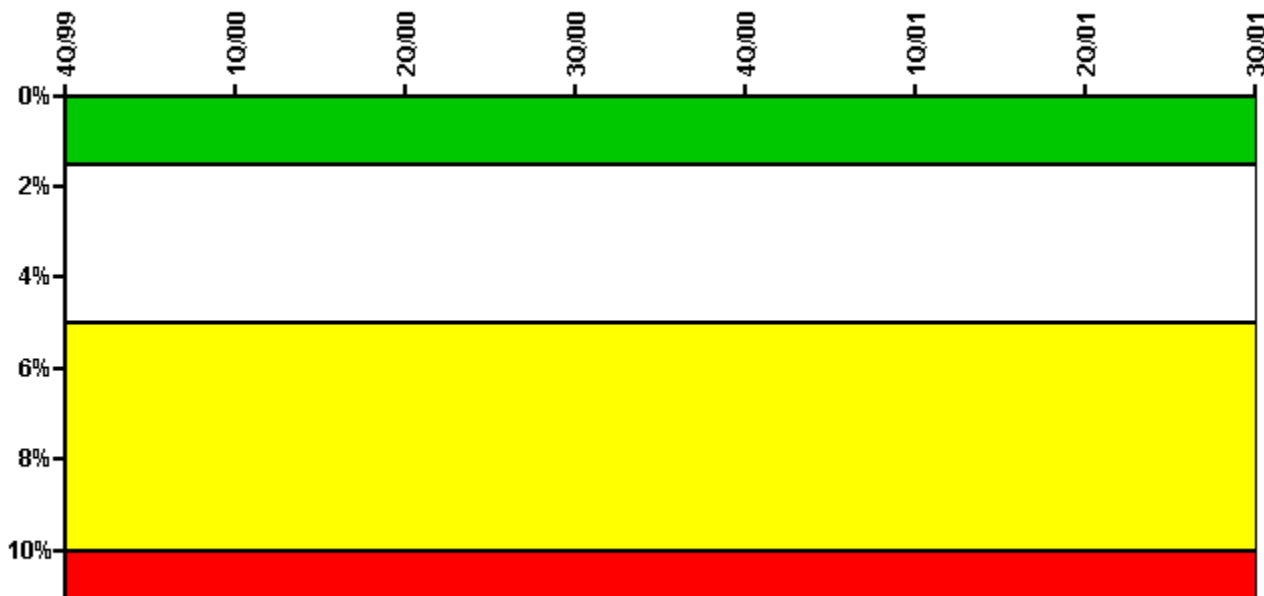
4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

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
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Train 1								
Planned unavailable hours	0	0	0	0	11.70	6.63	0	11.78
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	0	0	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0	0	0	0	6.97	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value								

Licensee Comments:

3Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

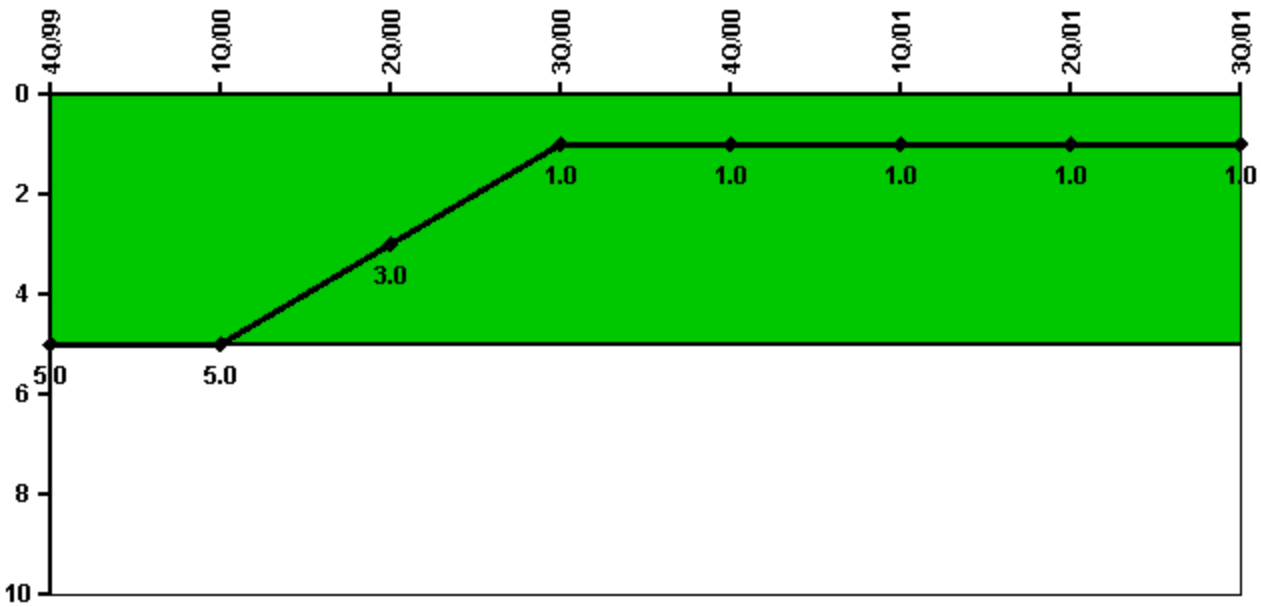
3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.



Safety System Functional Failures (PWR)



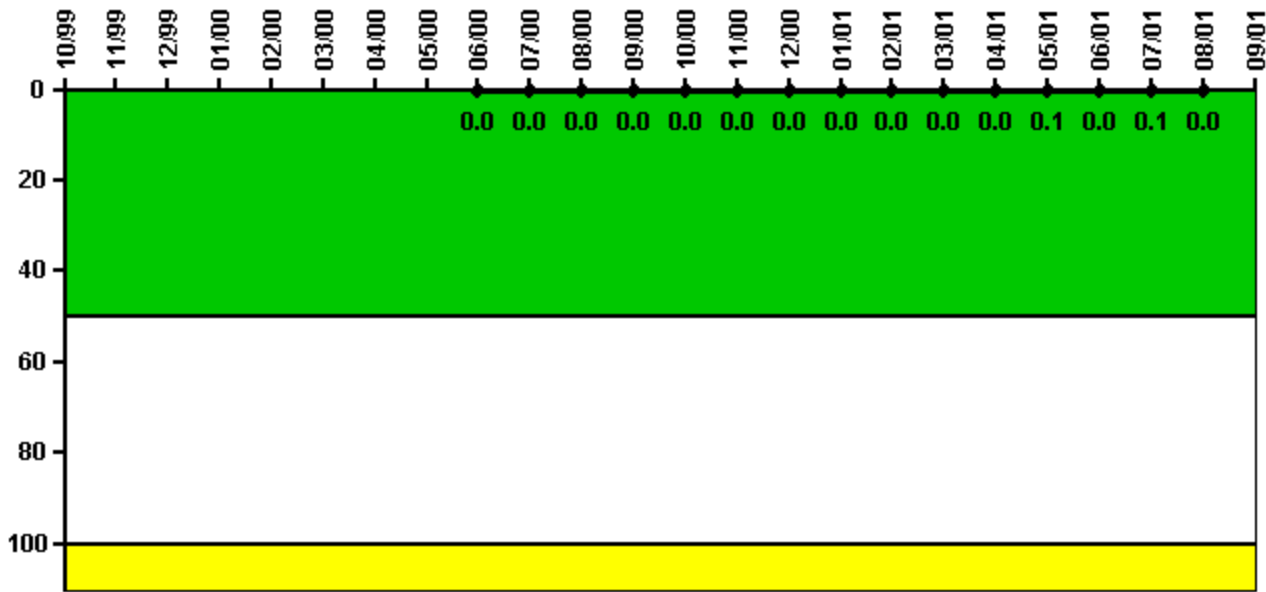
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	1	0	0	0	1	0	0
Indicator value	5	5	3	1	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

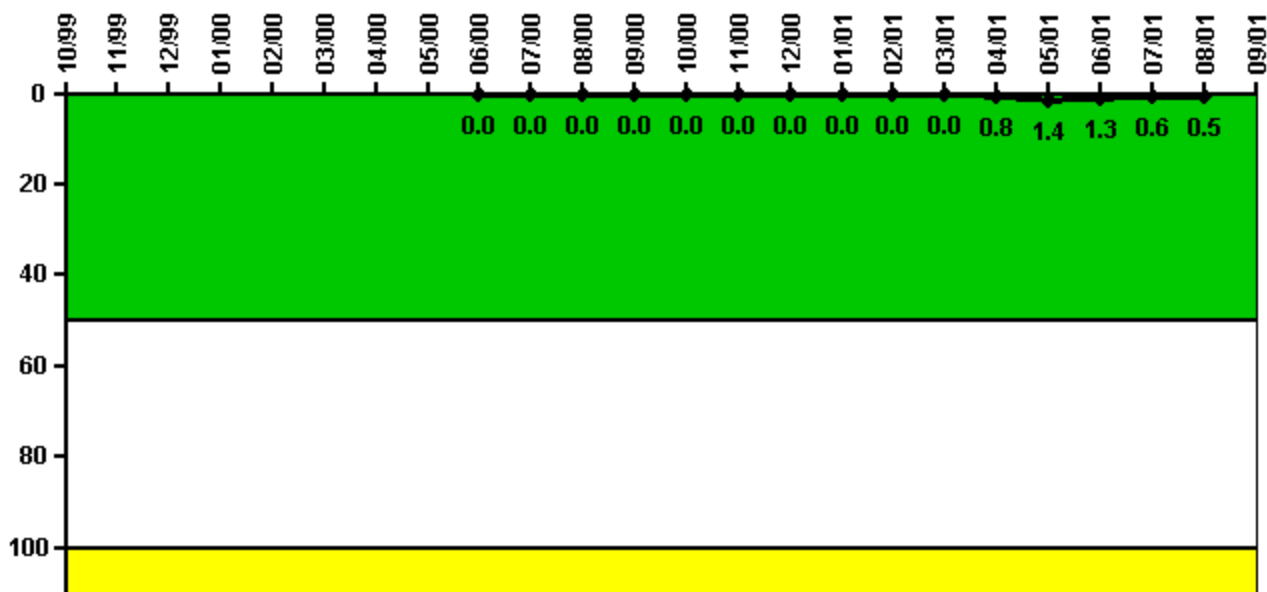
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity							N/A	N/A	0.000200	0.000311	0.000337	0.000364
Technical specification limit							1.0	1.0	1.0	1.0	1.0	1.0
Indicator value							N/A	N/A	0	0	0	0

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	0.000363	0.000386	0.000370	0.000394	0.000414	0.000401	0.000407	0.000508	0.000452	0.000677	0.000474	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0.1	0	0.1	0	N/A

Licensee Comments:

9/01: RCS activity was not calculated for the month of September due to the unit shutdown.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

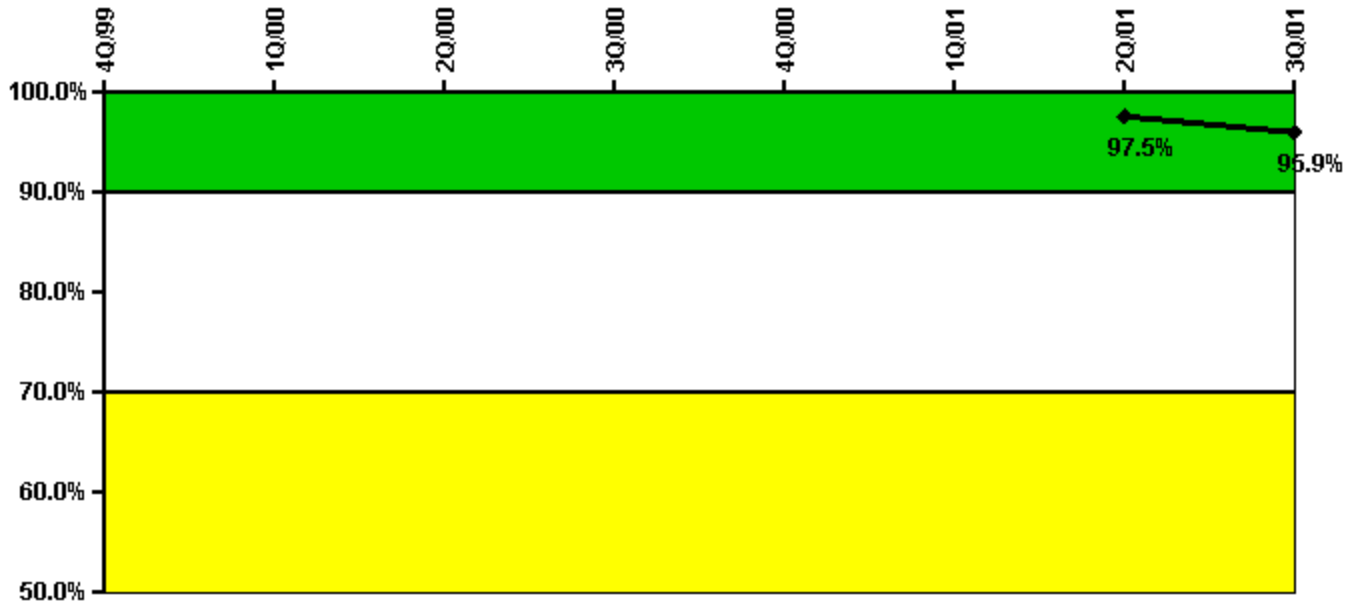
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage							N/A	N/A	0	0	0	0
Technical specification limit							10.0	10.0	10.0	10.0	10.0	10.0
Indicator value							N/A	N/A	0	0	0	0

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	0.090	0.150	0.140	0.070	0.050	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	0	0	0	0	0	0	0.8	1.4	1.3	0.6	0.5	N/A

Licensee Comments:

9/01: RCS leakage was not calculated for the month of September due to the unit shutdown.

Drill/Exercise Performance



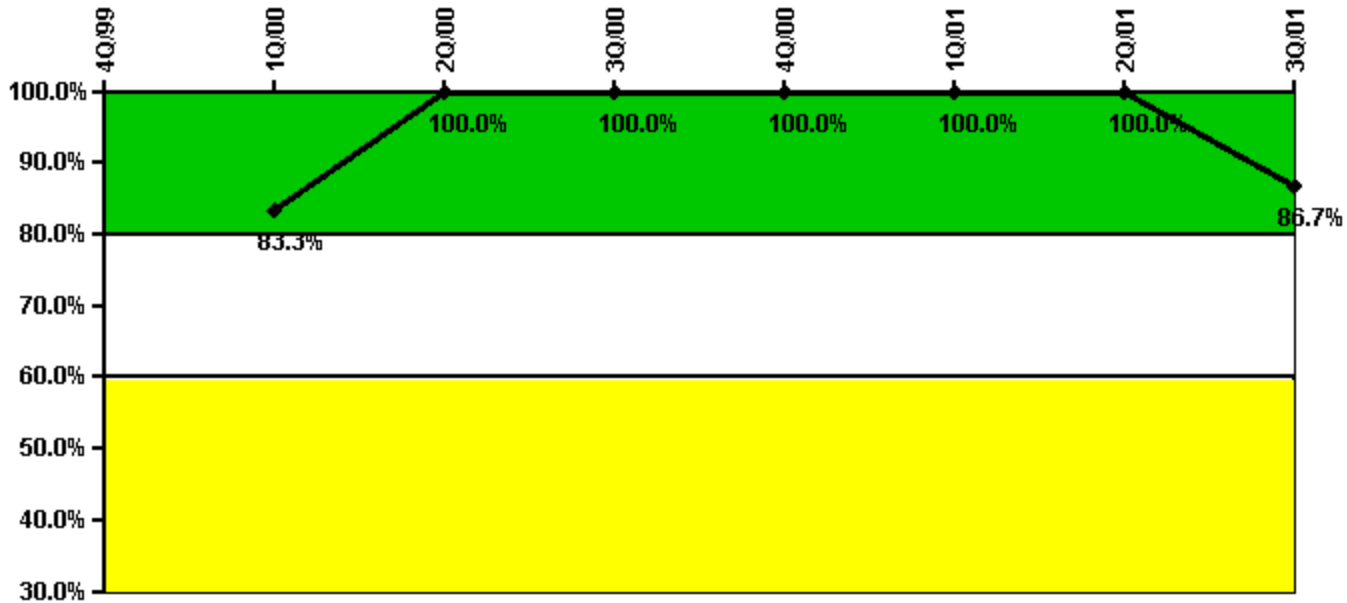
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	24.0	25.0	56.0	54.0	24.0	44.0	35.0	69.0
Total opportunities	24.0	25.0	59.0	55.0	26.0	44.0	36.0	76.0
Indicator value							97.5%	95.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

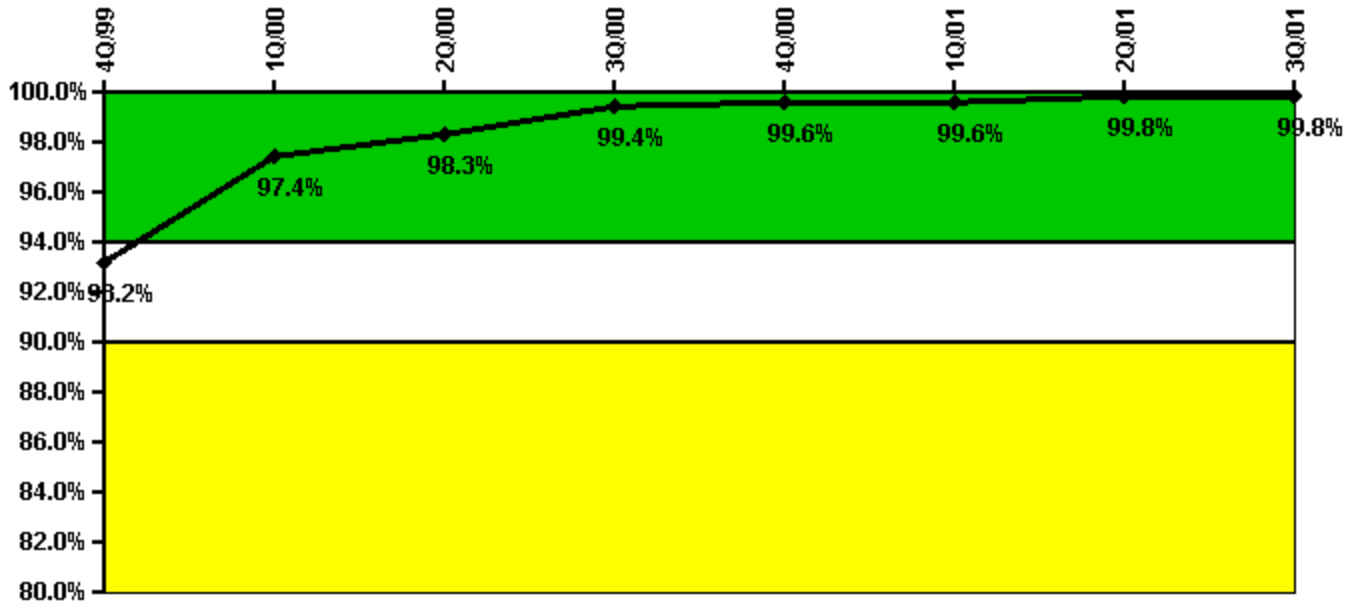
Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel		35.0	46.0	48.0	50.0	54.0	55.0	111.0
Total Key personnel		42.0	46.0	48.0	50.0	54.0	55.0	128.0
Indicator value		83.3%	100.0%	100.0%	100.0%	100.0%	100.0%	86.7%

Licensee Comments:

3Q/01: Emergency Response Organization Drill Participation is down due to the inclusion of licensed operators to the shift communicator position without evidence of drill participation. Evaluation of the individuals as shift communicators is in progress and is expected to be complete by the next quarterly report.

Alert & Notification System



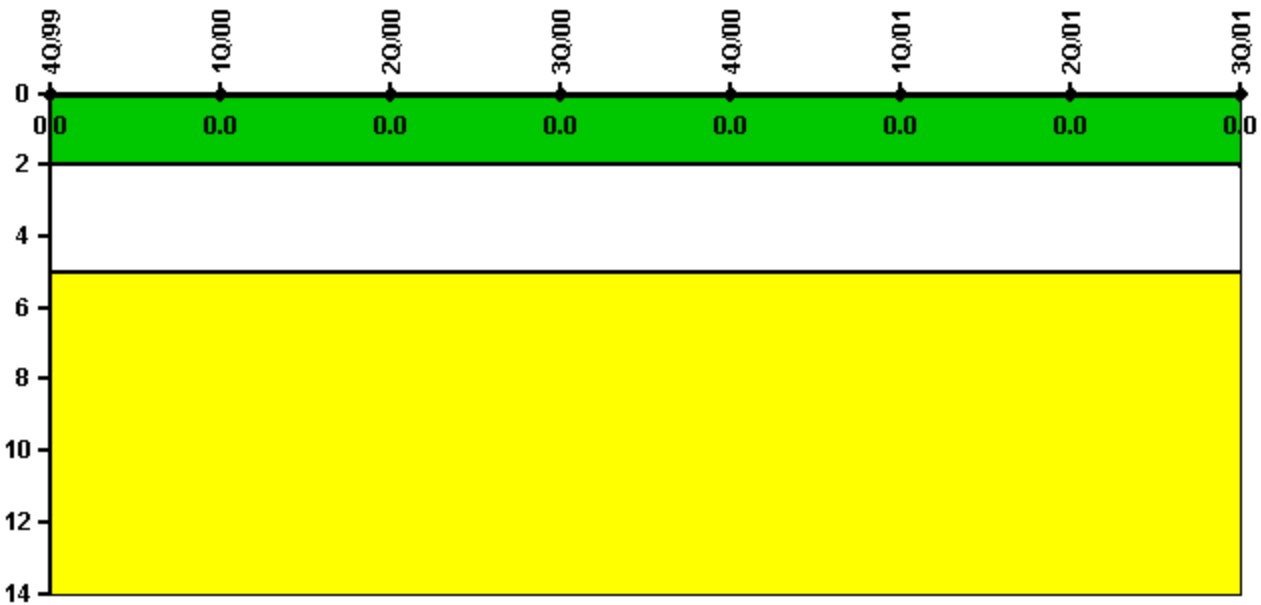
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	207	209	209	210	209	209	210	210
Total sirens-tests	210	210	210	210	210	210	210	210
Indicator value	93.2%	97.4%	98.3%	99.4%	99.6%	99.6%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



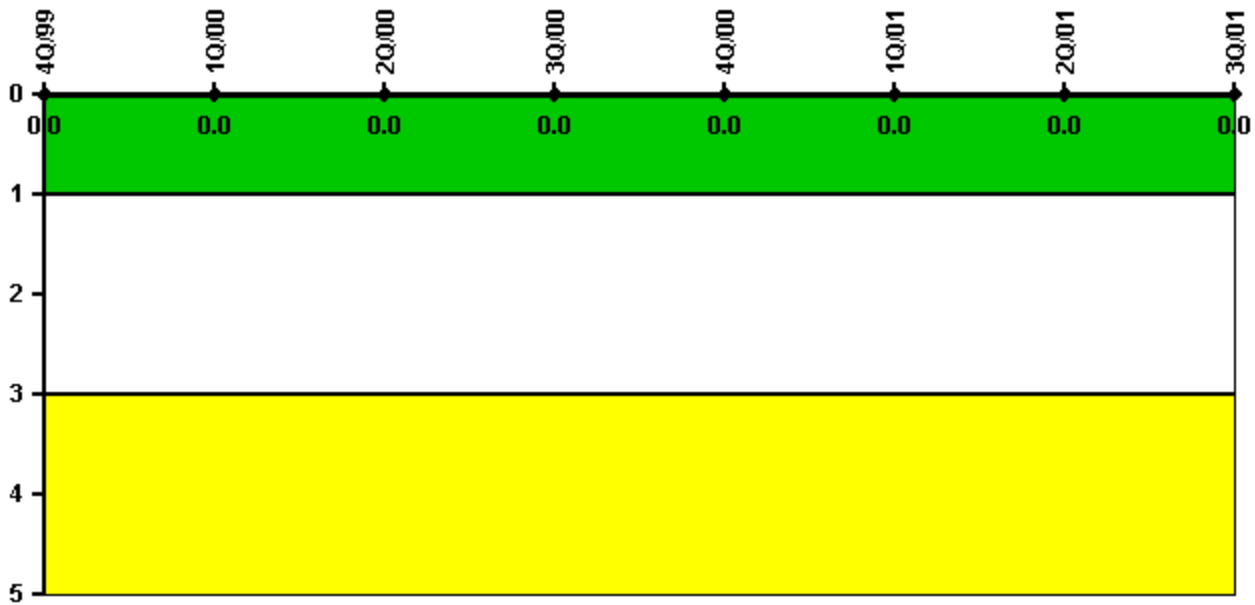
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	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



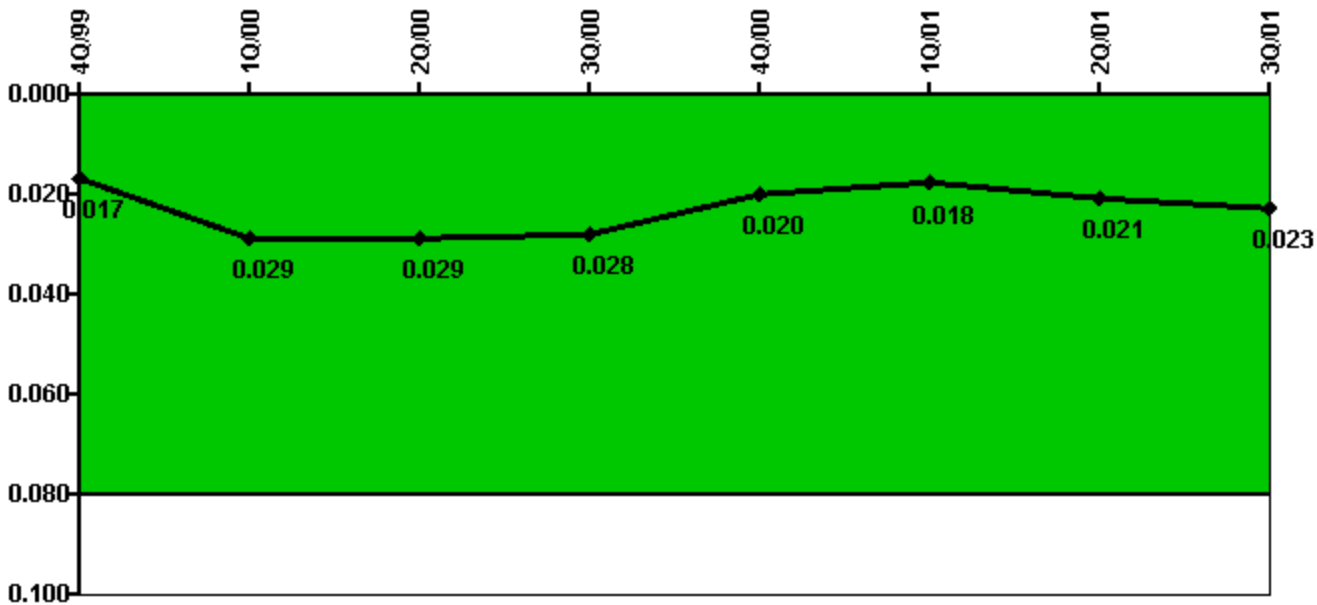
Thresholds: White > 1.0 Yellow > 3.0

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

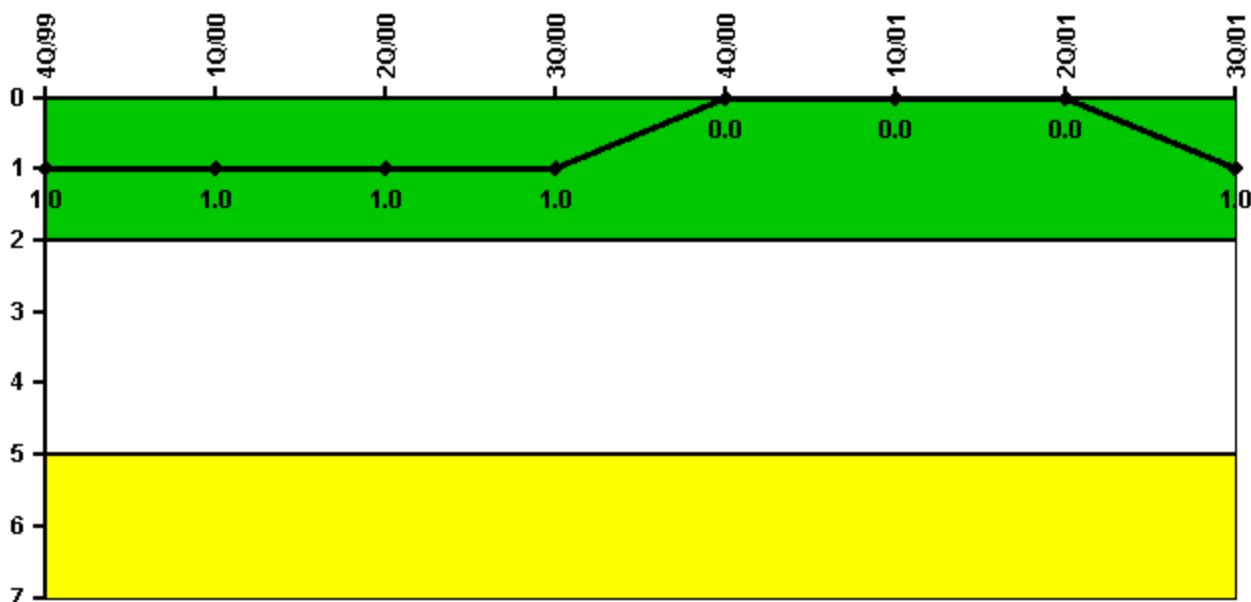
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	199.30	364.70	31.80	4.05	40.38	376.40	97.80	49.50
CCTV compensatory hours	16.7	38.5	0	0.1	0	0	0.3	0
IDS normalization factor	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.017	0.029	0.029	0.028	0.020	0.018	0.021	0.023

Licensee Comments:

3Q/01: In accordance with NEI 99-02, compensatory hours associated with scheduled equipment upgrades that are being performed and those compensatory hours for configuration issues associated with the equipment upgrades are excluded.

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

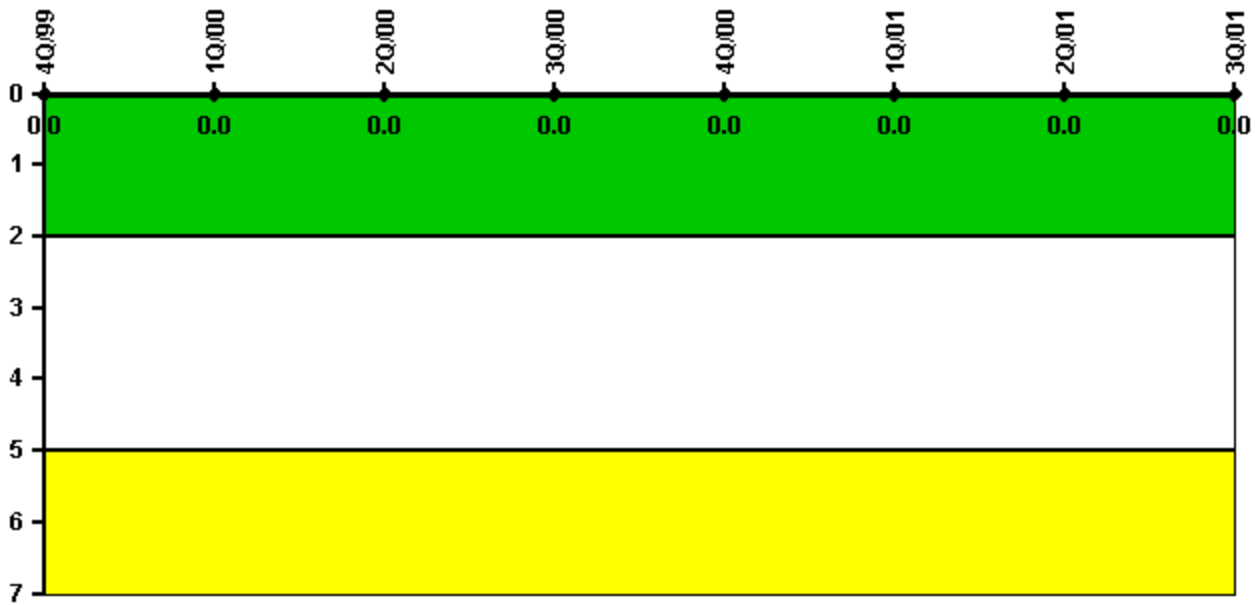
Notes

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

Licensee Comments:

3Q/01: The Personnel Screening Program failure was a one-hour reportable entry of an unauthorized person to the protected area. The individual was a contracted security guard who had resigned his position the previous day without the required access suspension. Immediate corrective actions were initiated upon discovery of the event.

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