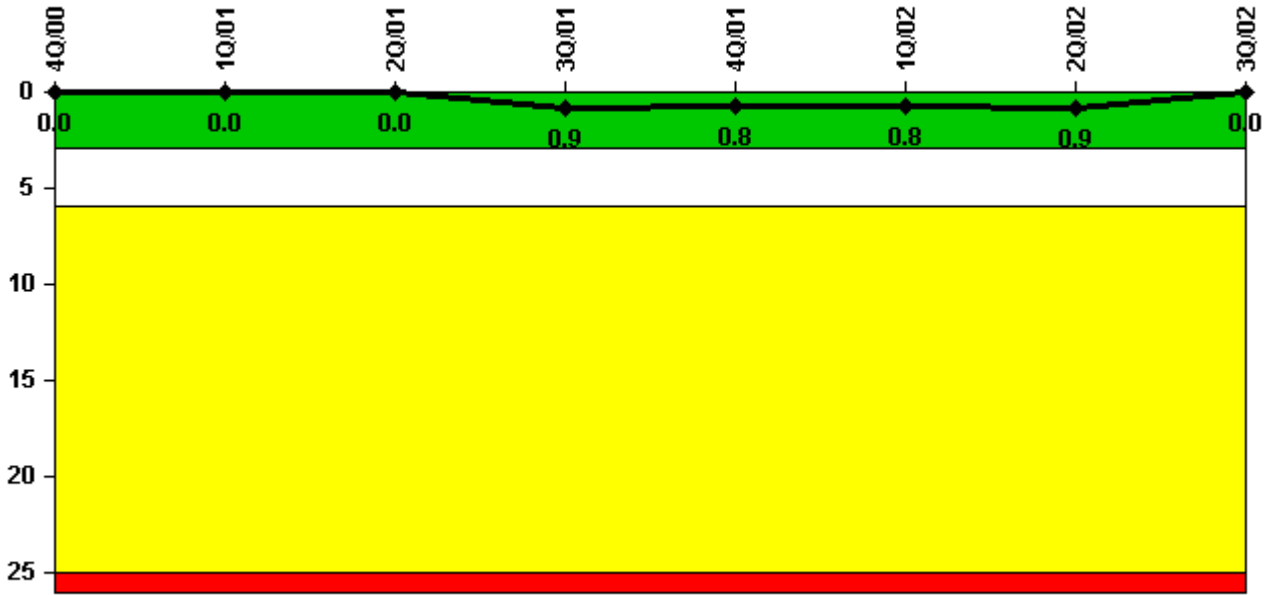


Ocone 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

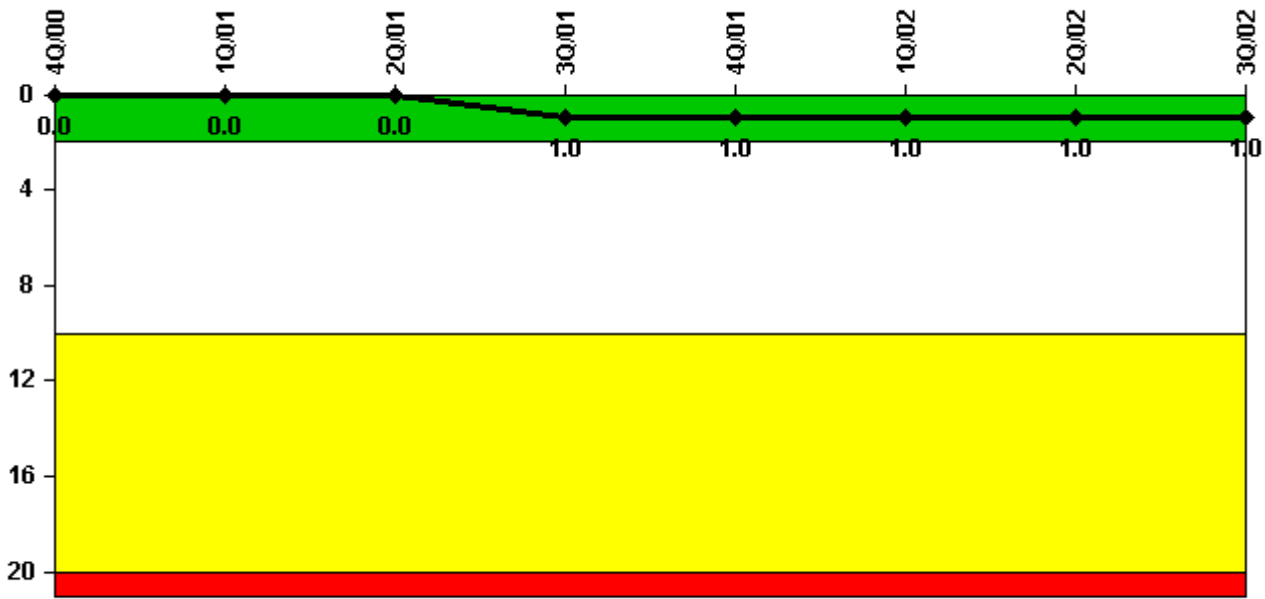
Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	1275.4	1871.0	2183.0	2153.4	2209.0	1949.4	1529.2	2162.0
Indicator value	0	0	0	0.9	0.8	0.8	0.9	0

Licensee Comments:

3Q/01: On 9/12/01 a trip occurred due to phase bus failure and the critical hours were 665.38. This is documented in PIP O-01-03367.

2Q/00: To account for daylight savings time.

Scrams with Loss of Normal Heat Removal



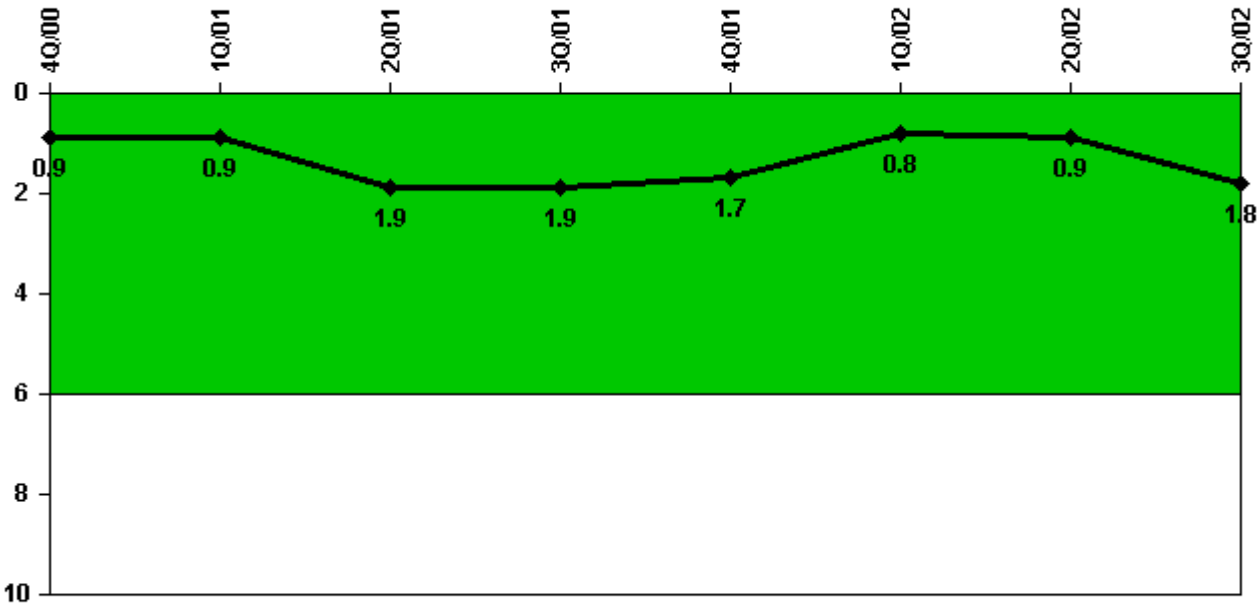
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	0	0	0	0
Indicator value	0	0	0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

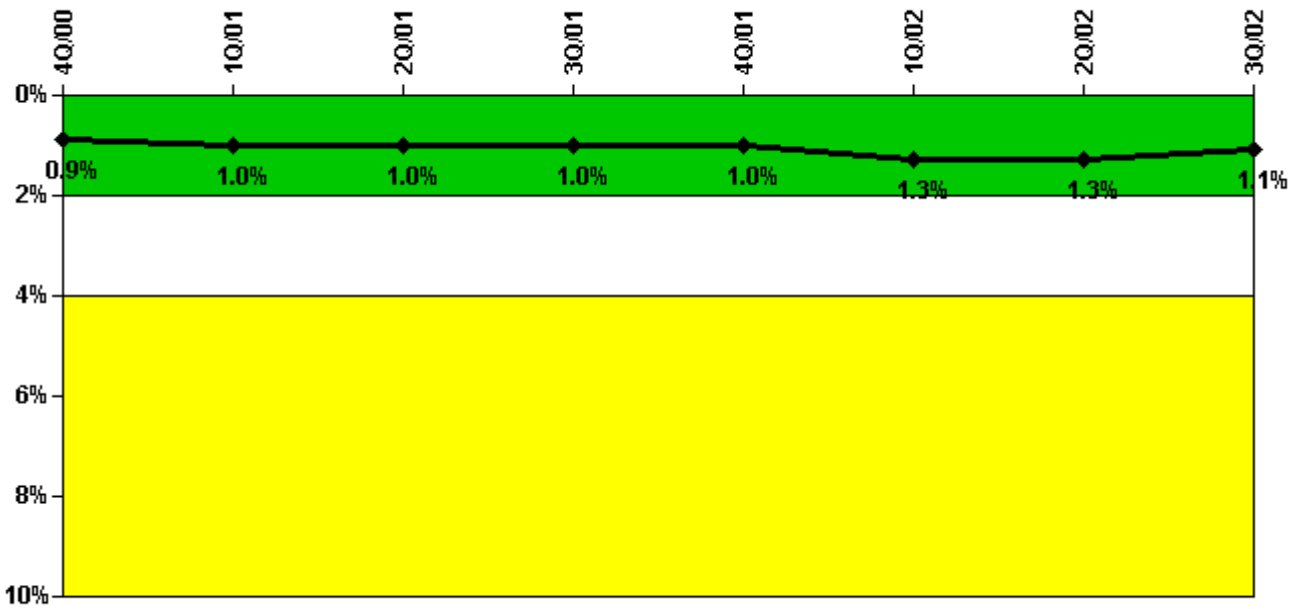
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	1.0	1.0	0	0	0	1.0	1.0
Critical hours	1275.4	1871.0	2183.0	2153.4	2209.0	1949.4	1529.2	2162.0
Indicator value	0.9	0.9	1.9	1.9	1.7	0.8	0.9	1.8

Licensee Comments:

3Q/02: One Unplanned Scram occurred during 3Q2002. The reactor was manually tripped per procedure during a unplanned power reduction to repair the PMG, see PIP O-02-04297 and PIP O-02-04304.

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.0% Yellow > 4.0% Red > 10.0%

Notes

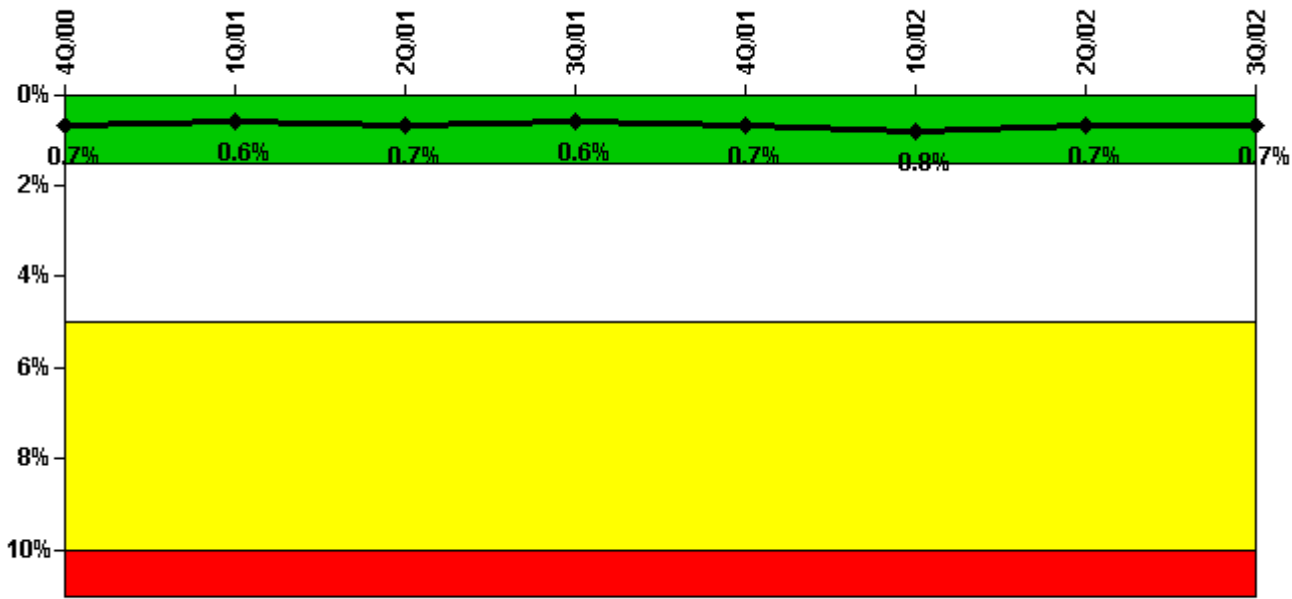
Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0.95	18.07	0	0	5.29	86.79	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2000.75	1584.14	2208.00
Indicator value	0.9%	1.0%	1.0%	1.0%	1.0%	1.3%	1.3%	1.1%

Licensee Comments:

3Q/02: ONS Keowee is a unique Emergency Power source. The change in format reflects the establishment of a threshold limit based on the Underground Train only.

2Q/02: ONS Keowee is a unique Emergency Power source. The change reflects the threshold limit based on the Underground Train only.

Safety System Unavailability, High Pressure Injection System (HPSI)



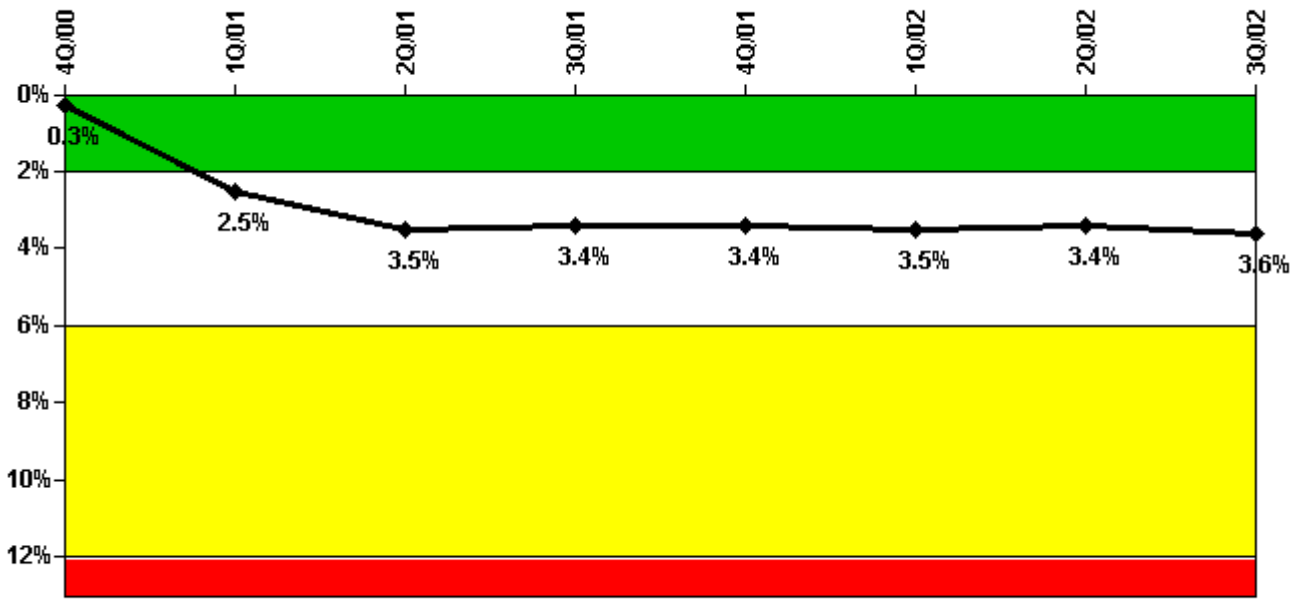
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	3.39	3.51	7.39	13.89	5.23	36.26	4.46	1.19
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1286.00	1932.00	2184.00	2208.00	2209.00	1955.20	1560.00	2208.00
Train 2								
Planned unavailable hours	8.35	3.79	9.71	5.14	11.30	40.22	5.17	2.52
Unplanned unavailable hours	0	1.67	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	1286.00	1932.00	2184.00	2208.00	2209.00	1955.20	1560.00	2208.00
Indicator value	0.7%	0.6%	0.7%	0.6%	0.7%	0.8%	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)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	7.90	1.70	13.90	2.00	13.30	1.80	3.08
Unplanned unavailable hours	0	0	0	0	0	4.20	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	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00	1572.00	2208.00
Train 2								
Planned unavailable hours	0	9.40	0	2.10	1.80	13.40	3.80	5.10
Unplanned unavailable hours	0	0	49.20	0	0	0	0	114.10
Fault exposure hours	0	1428.50	590.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00	1572.00	2208.00
Train 3								
Planned unavailable hours	0	3.00	21.70	4.40	7.50	5.10	6.25	7.63
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00	1572.00	2208.00
Indicator value	0.3%	2.5%	3.5%	3.4%	3.4%	3.5%	3.4%	3.6%

Licensee Comments:

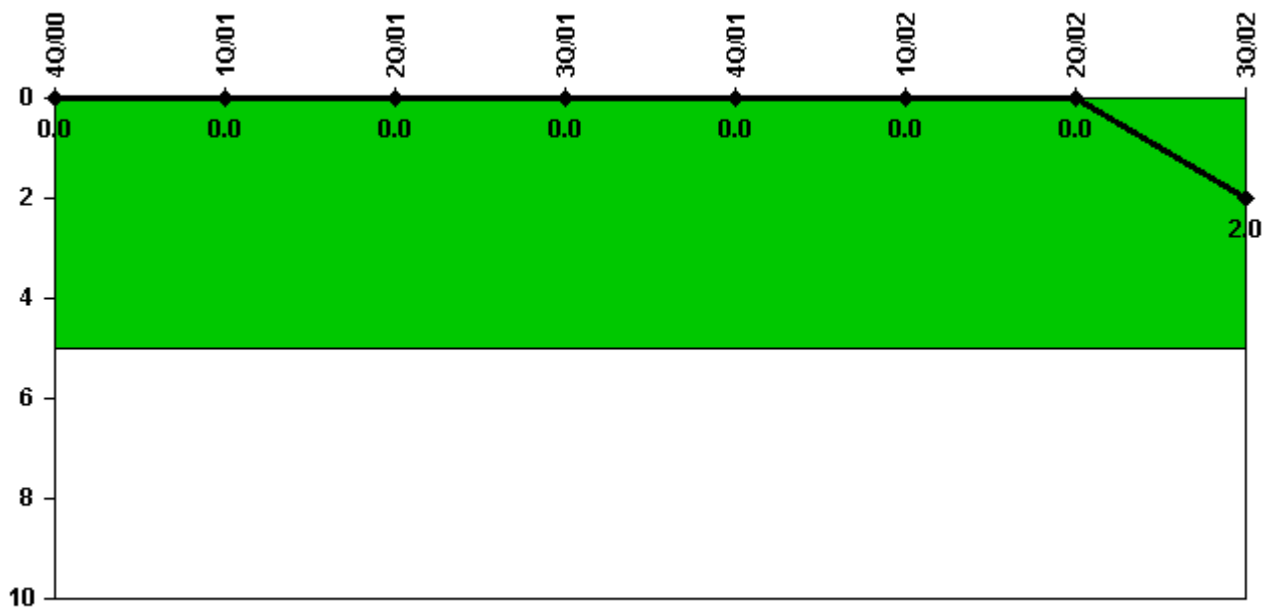
3Q/02: Test on 9/11/02 showed 1B MDEFWP bearing temp abnormal. Additional testing and investigation on 9/14/02, determine the pump was operable but the bearing pin was not engaged. Corrective maintenance and post maintenance testing was performed.

2Q/01: The fault exposure hours are being added to reflect the NRC position described in Inspection Report 50-

Indicator value	1.1%	1.2%	1.2%	1.1%	1.1%	1.0%	0.9%	0.9%
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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

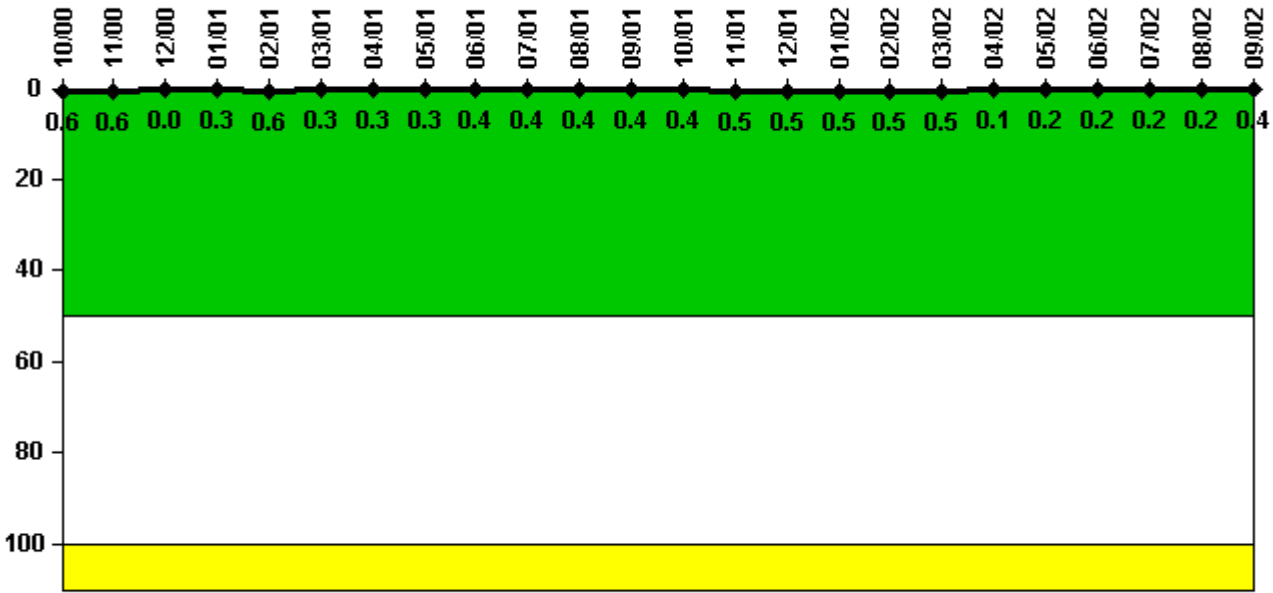
Notes

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	2
Indicator value	0	0	0	0	0	0	0	2

Licensee Comments:

3Q/02: LER 269/2002-05 (1MS-156) and LER 269/2002-04 (EOP guidance)

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

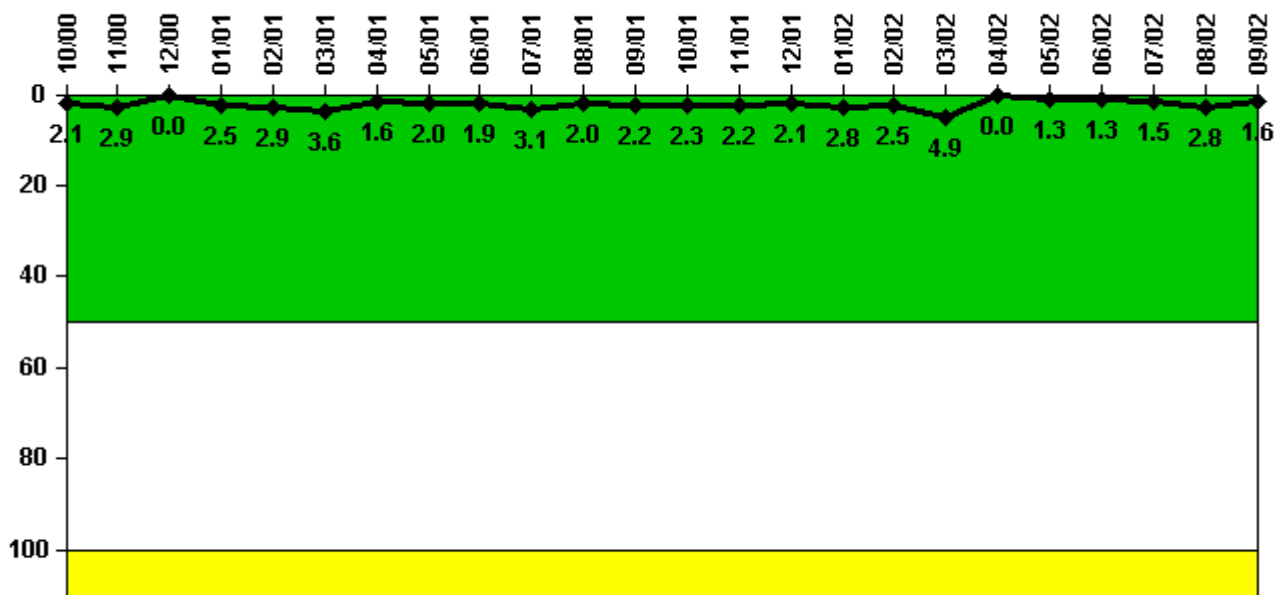
Notes

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	0.006372	0.006462	0	0.002600	0.006100	0.002600	0.003200	0.003200	0.003600	0.003600	0.004100	0.003800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.6	0.6	0	0.3	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.4

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	0.004400	0.004900	0.005100	0.004800	0.005100	0.005300	0.000900	0.001900	0.002000	0.002100	0.002400	0.004400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.4	0.5	0.5	0.5	0.5	0.5	0.1	0.2	0.2	0.2	0.2	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

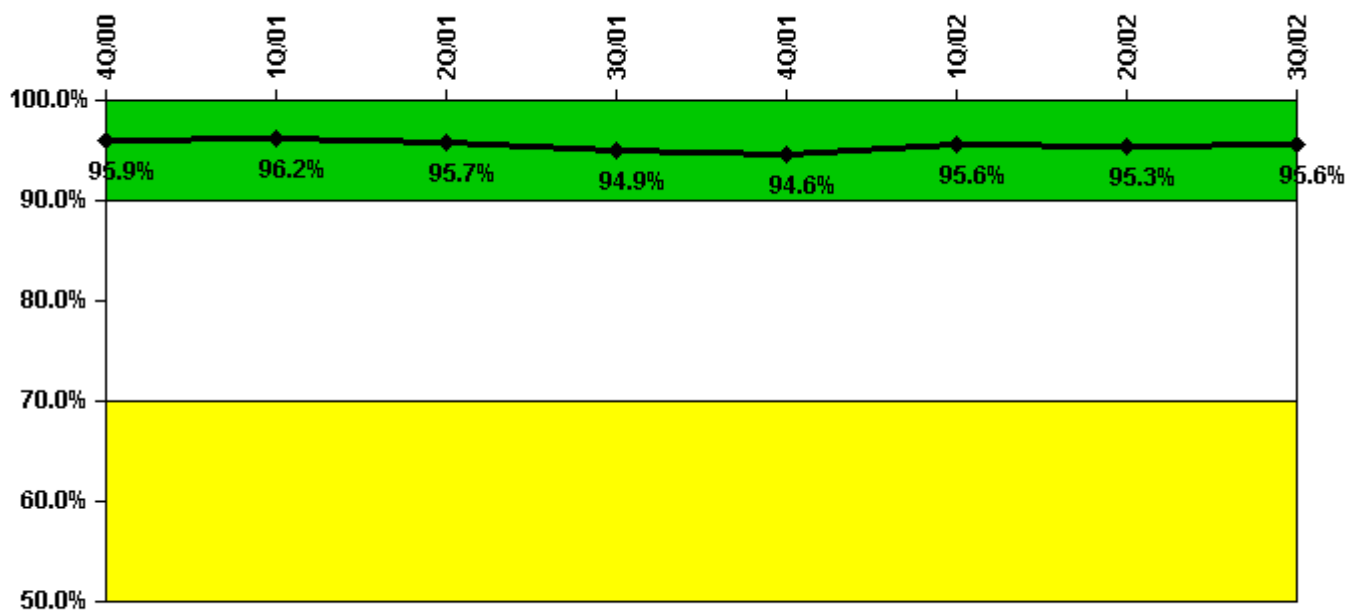
Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.210	0.290	0	0.250	0.290	0.360	0.160	0.200	0.190	0.310	0.200	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	2.9	0	2.5	2.9	3.6	1.6	2.0	1.9	3.1	2.0	2.2

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	0.230	0.220	0.210	0.280	0.250	0.490	0	0.130	0.130	0.150	0.280	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	2.2	2.1	2.8	2.5	4.9	0	1.3	1.3	1.5	2.8	1.6

Licensee Comments: none

Drill/Exercise Performance



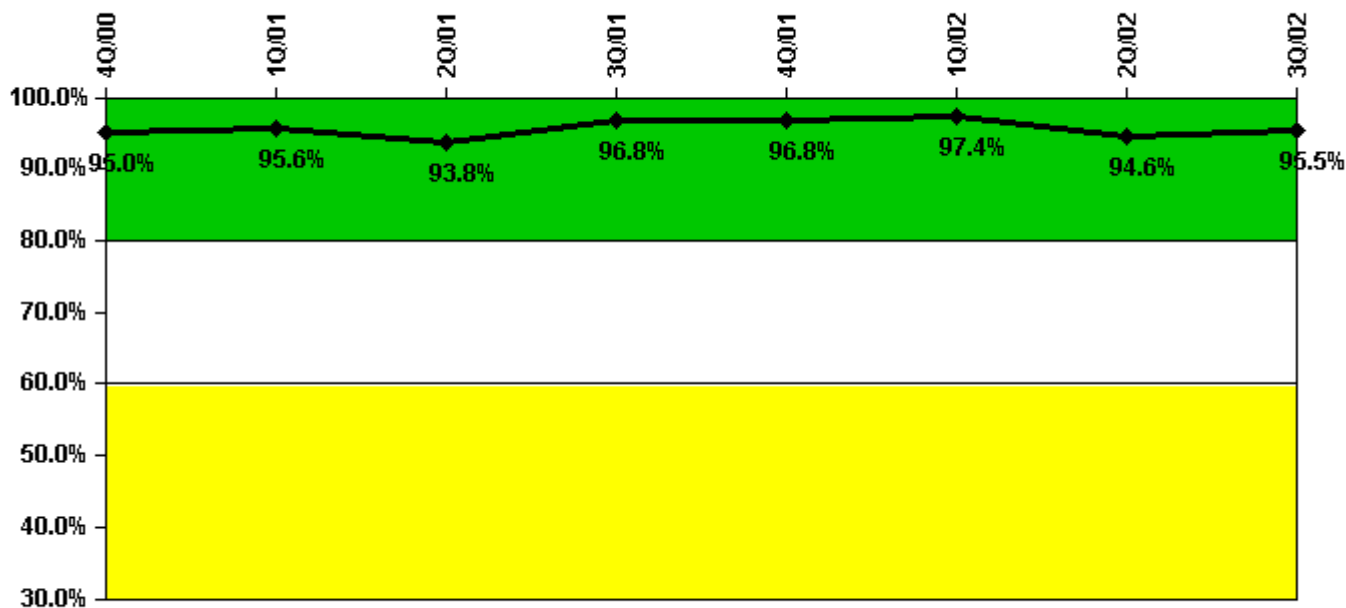
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	38.0	22.0	23.0	48.0	9.0	12.0	32.0	55.0
Total opportunities	39.0	22.0	25.0	52.0	10.0	12.0	34.0	56.0
Indicator value	95.9%	96.2%	95.7%	94.9%	94.6%	95.6%	95.3%	95.6%

Licensee Comments: none

ERO Drill Participation



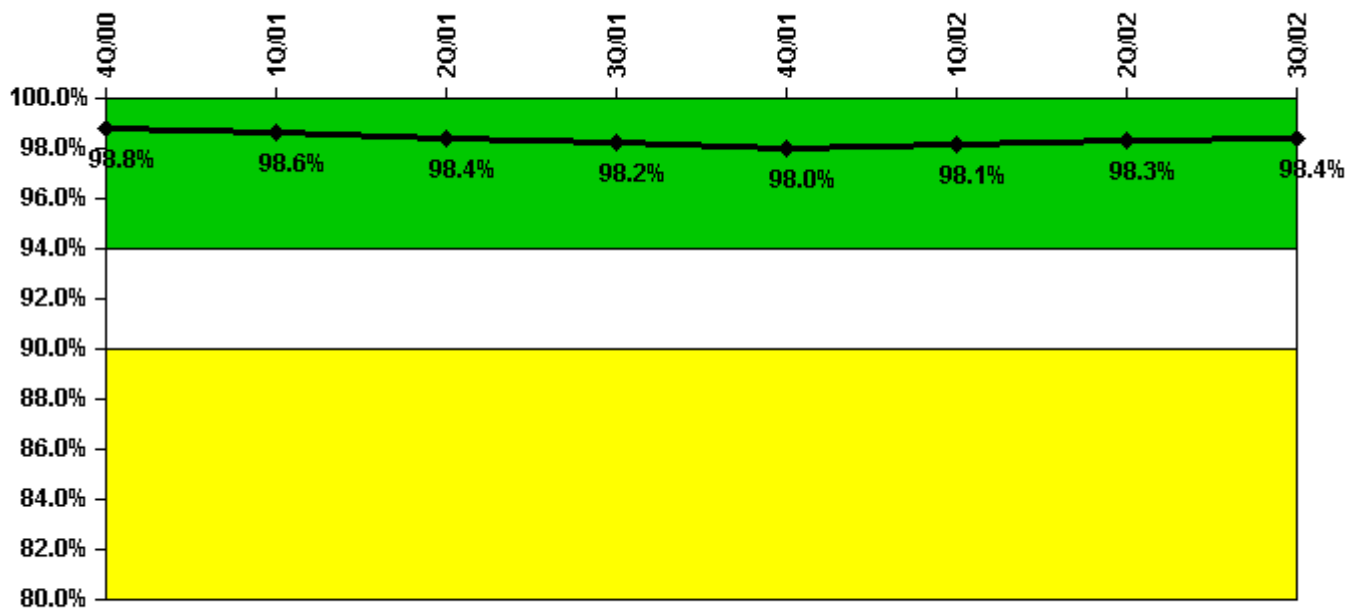
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	132.0	131.0	135.0	150.0	150.0	149.0	141.0	149.0
Total Key personnel	139.0	137.0	144.0	155.0	155.0	153.0	149.0	156.0
Indicator value	95.0%	95.6%	93.8%	96.8%	96.8%	97.4%	94.6%	95.5%

Licensee Comments: none

Alert & Notification System



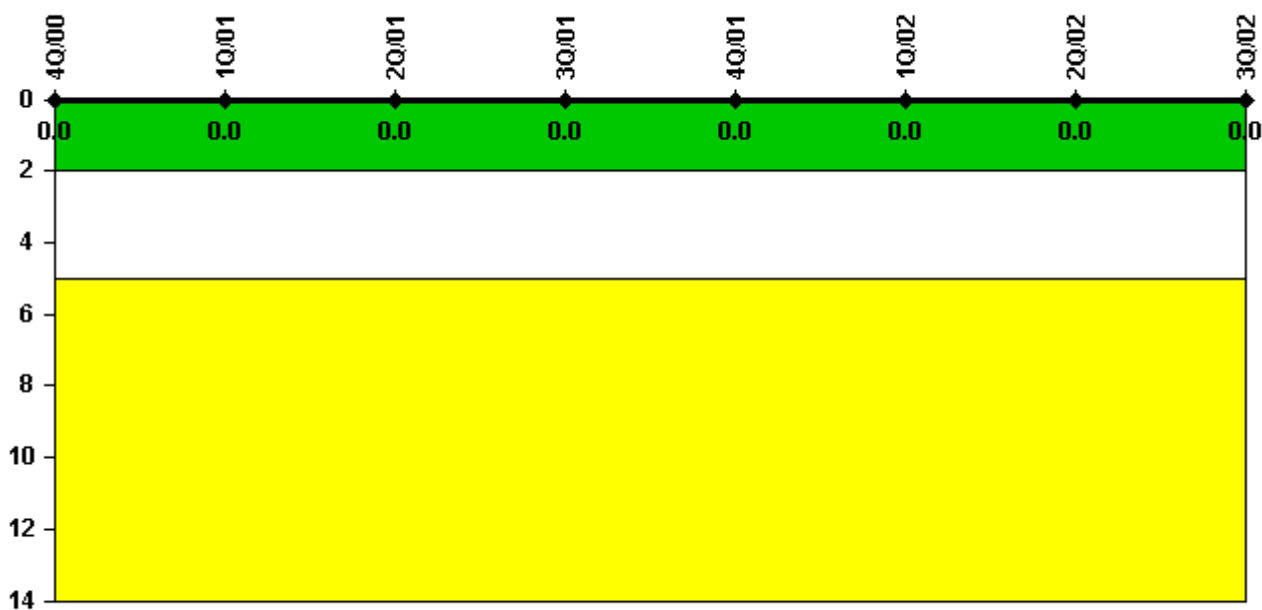
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	1320	1304	1246	1084	1154	1092	1092	1096
Total sirens-tests	1330	1330	1275	1108	1172	1109	1111	1115
Indicator value	98.8%	98.6%	98.4%	98.2%	98.0%	98.1%	98.3%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



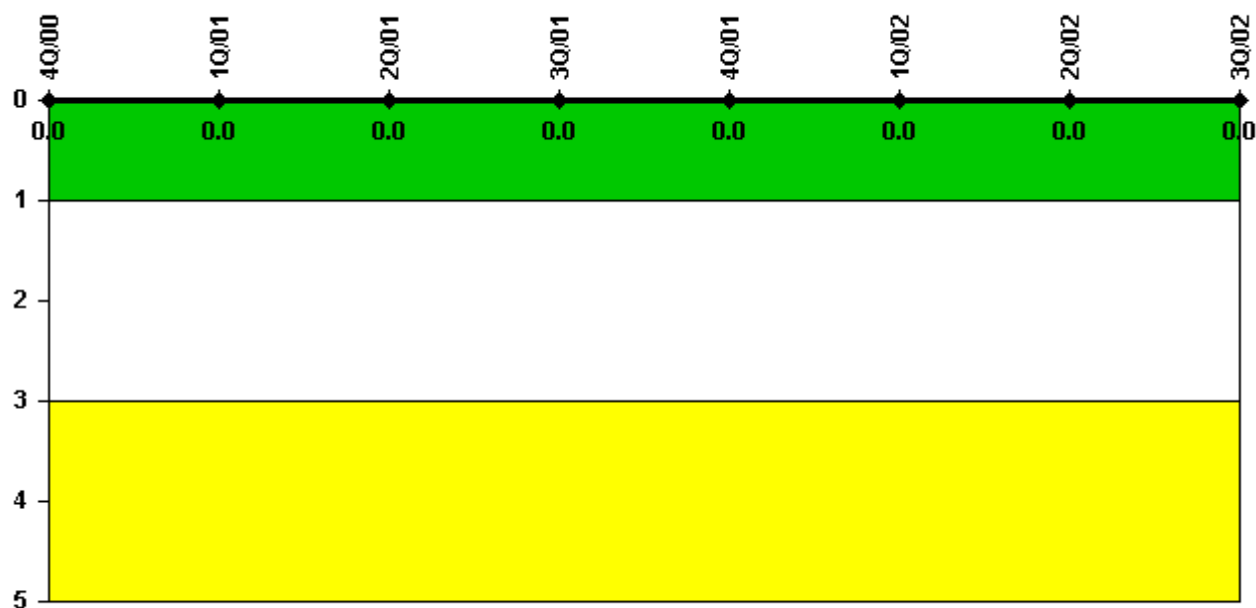
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



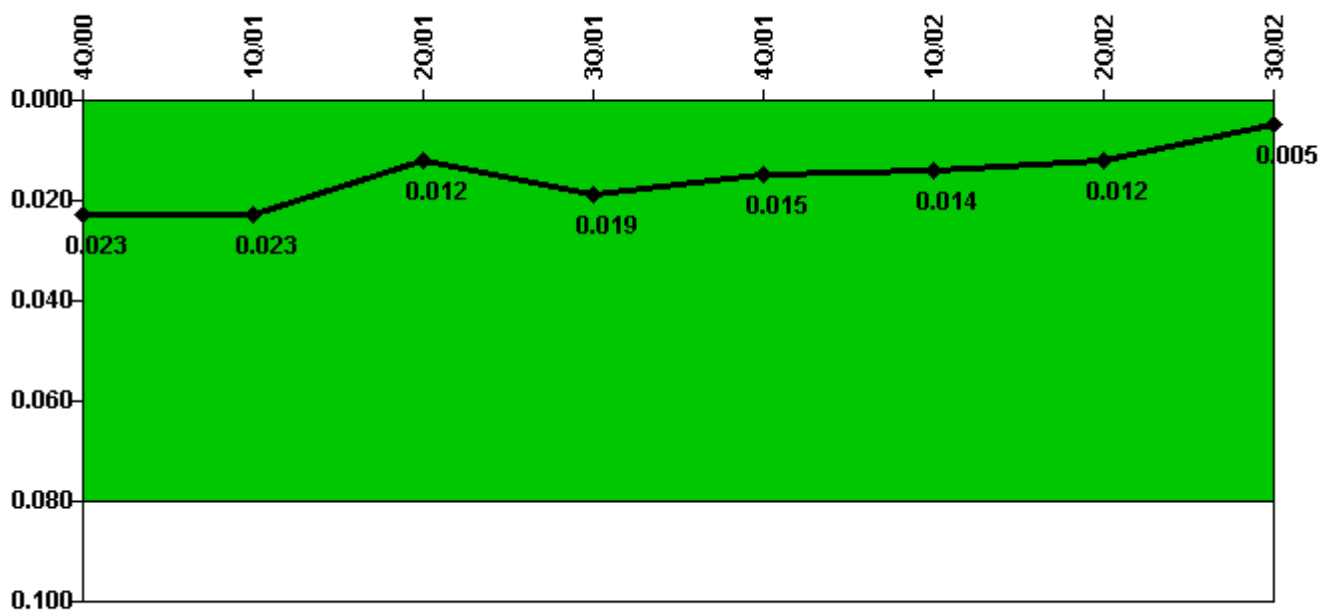
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



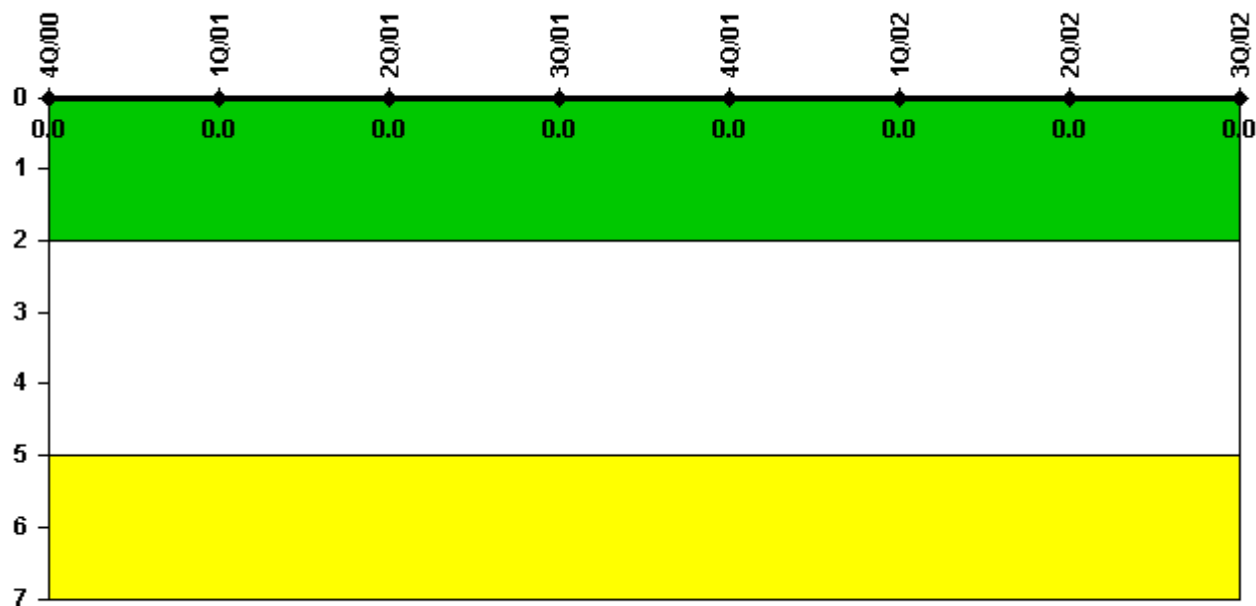
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	225.00	64.00	91.00	457.00	30.00	26.00	47.00	96.00
CCTV compensatory hours	0	1.0	14.0	11.0	0	0	0	9.0
IDS normalization factor	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.023	0.023	0.012	0.019	0.015	0.014	0.012	0.005

Licensee Comments: none

Personnel Screening Program



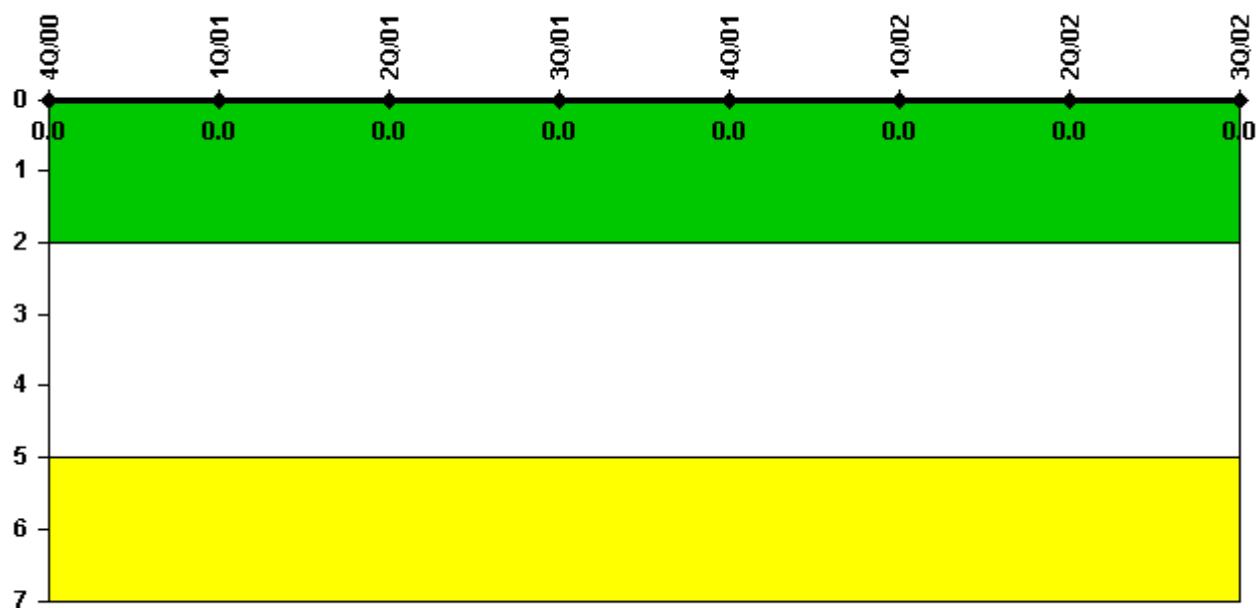
Thresholds: White > 2.0 Yellow > 5.0

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

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Last Modified: October 22, 2002