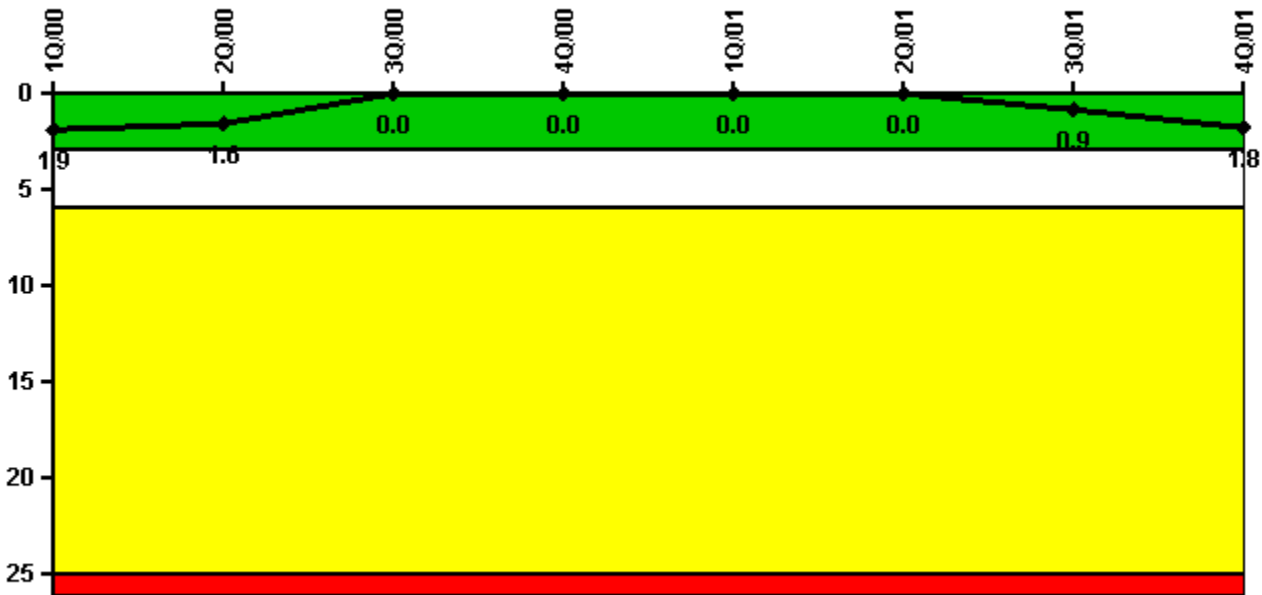


Pilgrim 1

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	1.0
Critical hours	2184.0	2183.0	2156.1	2114.8	2160.0	1556.7	2115.4	2140.1
Indicator value	1.9	1.6	0	0	0	0	0.9	1.8

Licensee Comments:

4Q/01: Reflects unplanned automatic scrams on 8/13/01 and 12/27/01.

Scrams with Loss of Normal Heat Removal



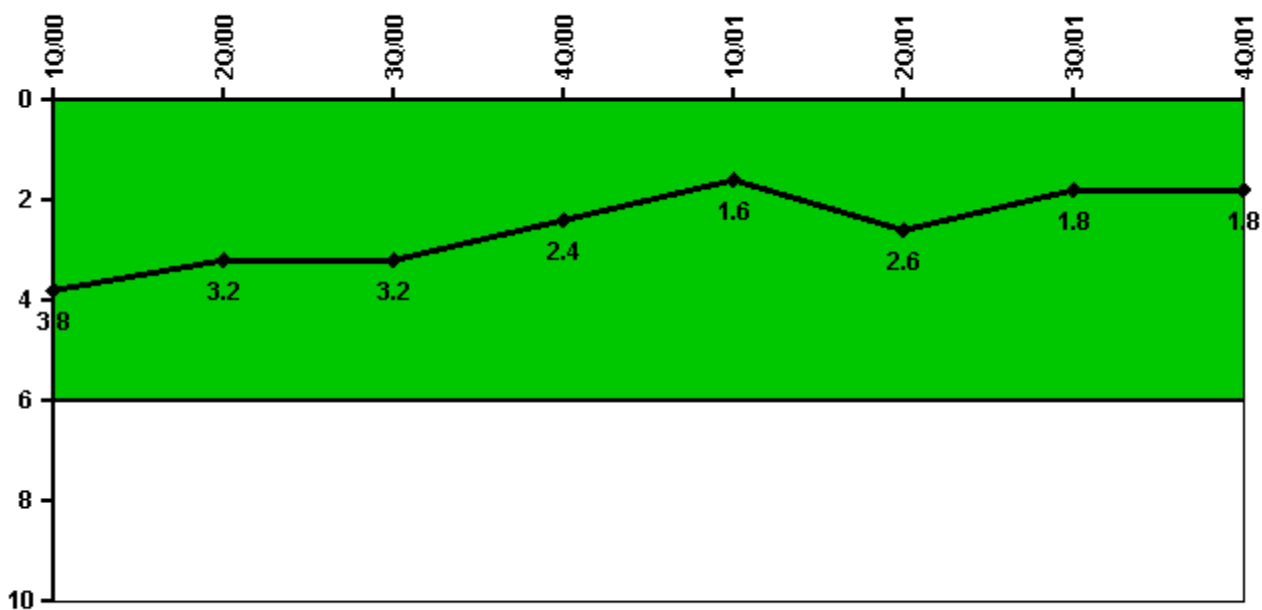
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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

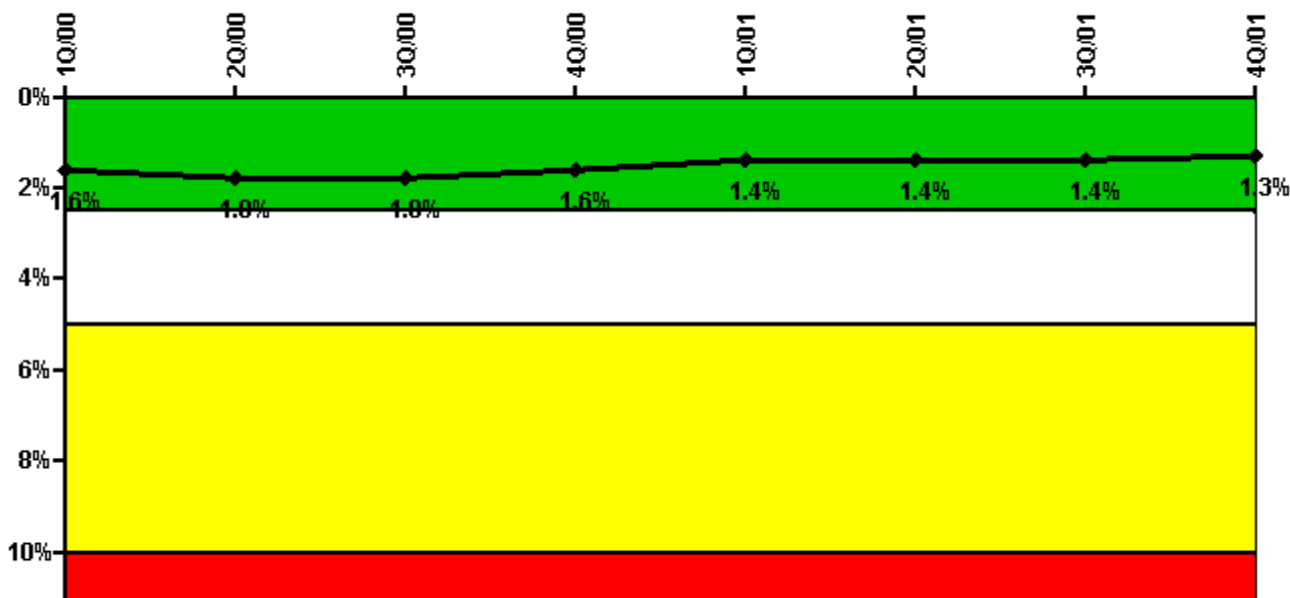
Notes

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	1.0	0	2.0	0	0	1.0	1.0	0
Critical hours	2184.0	2183.0	2156.1	2114.8	2160.0	1556.7	2115.4	2140.1
Indicator value	3.8	3.2	3.2	2.4	1.6	2.6	1.8	1.8

Licensee Comments:

4Q/01: Reflects unplanned power reductions on 6/20/01 and 9/14/01.

Safety System Unavailability, Emergency AC Power



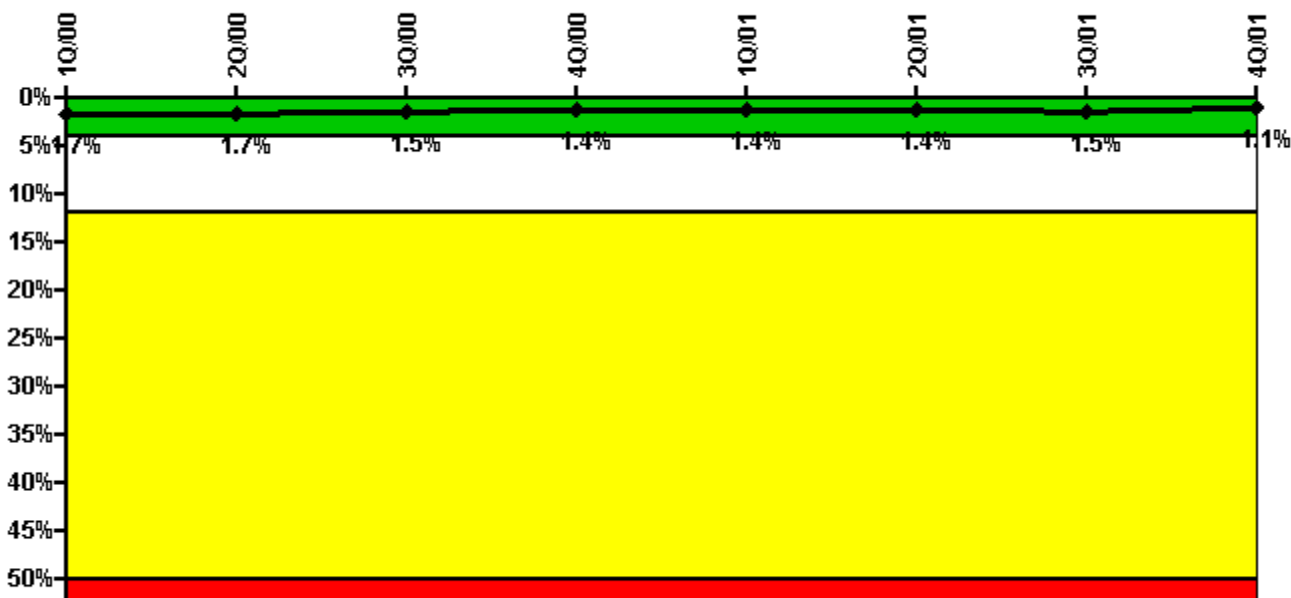
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

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	0	43.47	3.60	0	0.25	0.29	11.05	0.99
Unplanned unavailable hours	0	31.23	0	0	0	0	4.87	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	2208.00	2160.00	1573.25	2181.70	2154.80
Train 2								
Planned unavailable hours	2.25	0	16.00	0	0.35	1.13	0.68	5.70
Unplanned unavailable hours	0	80.20	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	2208.00	2160.00	1573.25	2181.70	2154.80
Indicator value	1.6%	1.8%	1.8%	1.6%	1.4%	1.4%	1.4%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



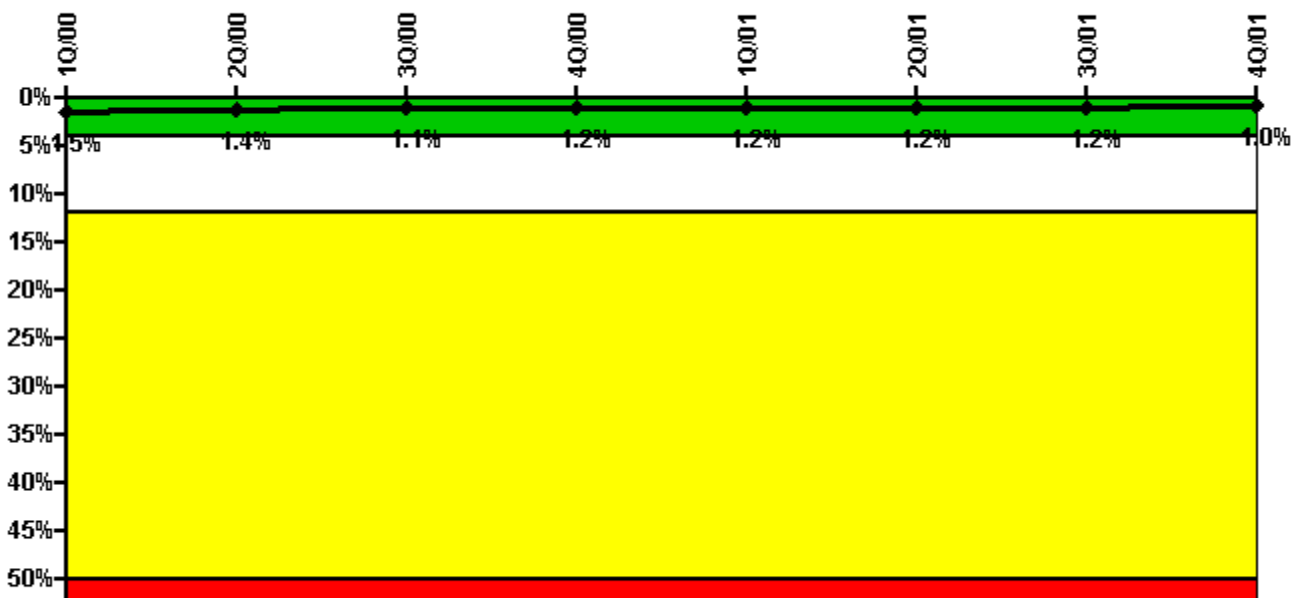
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	46.65	9.81	28.59	7.50	7.00	4.06	24.21	7.74
Unplanned unavailable hours	0	0.10	15.42	0	6.00	0	0	0
Fault exposure hours	0	0	11.79	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2116.00	2160.00	1525.00	2121.00	2148.00
Indicator value	1.7%	1.7%	1.5%	1.4%	1.4%	1.4%	1.5%	1.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



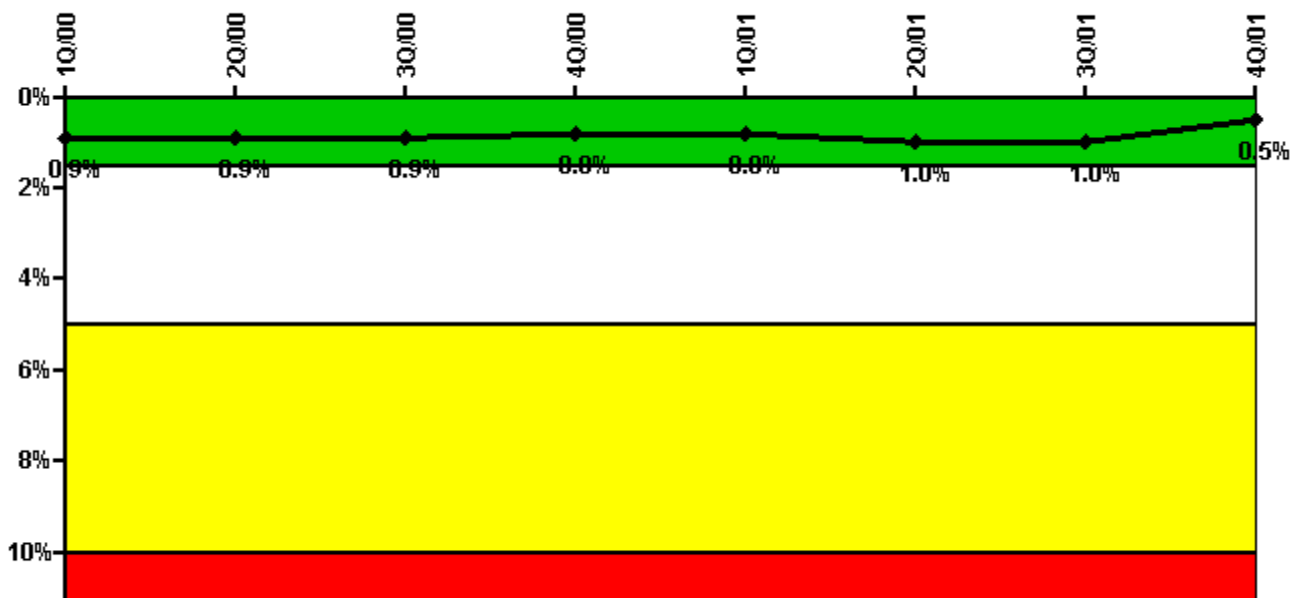
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	34.32	10.56	14.97	26.70	15.00	3.80	13.72	10.75
Unplanned unavailable hours	0	0	0	12.80	1.00	1.40	0.73	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	2116.00	2160.00	1525.00	2121.00	2148.00
Indicator value	1.5%	1.4%	1.1%	1.2%	1.2%	1.2%	1.2%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



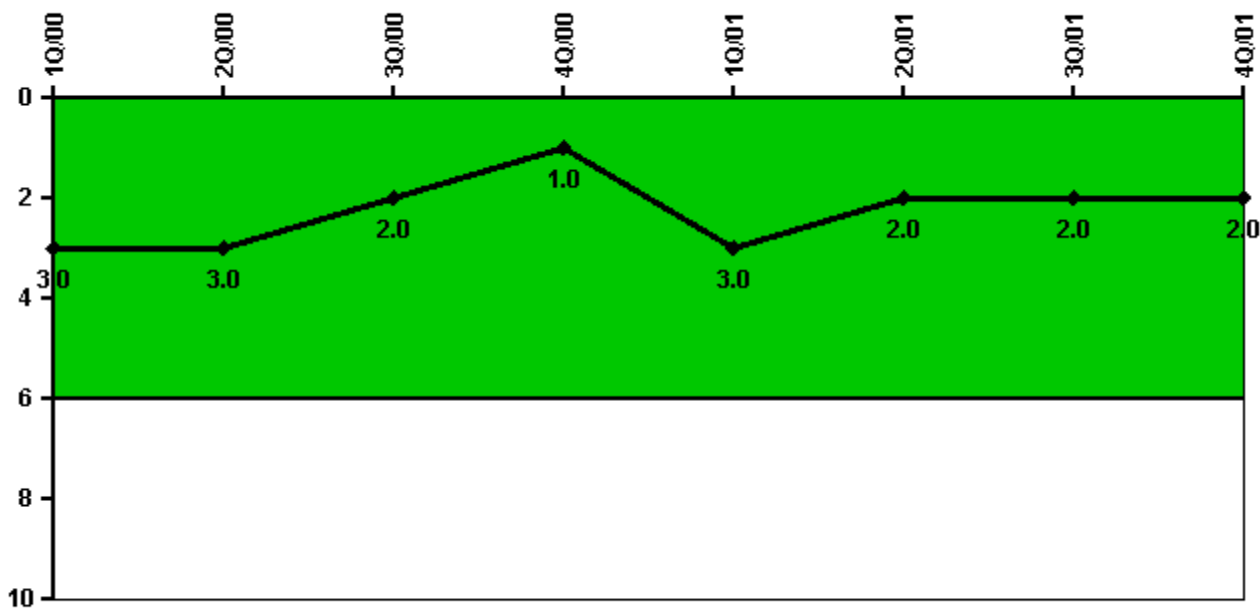
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	0	0	6.62	18.95	0	0	0.25
Unplanned unavailable hours	0	0	0	0	1.68	0.30	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	2208.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	5.42	12.16	0	108.85	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	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	0.9%	0.8%	0.8%	1.0%	1.0%	0.5%

Licensee Comments: none

Safety System Functional Failures (BWR)



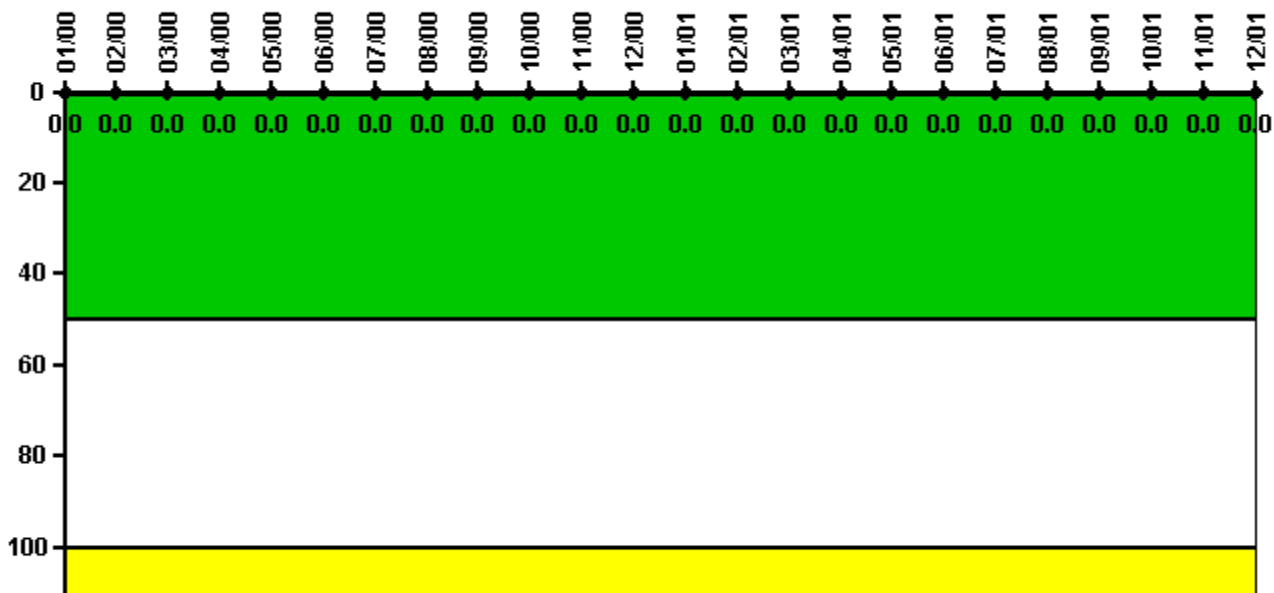
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

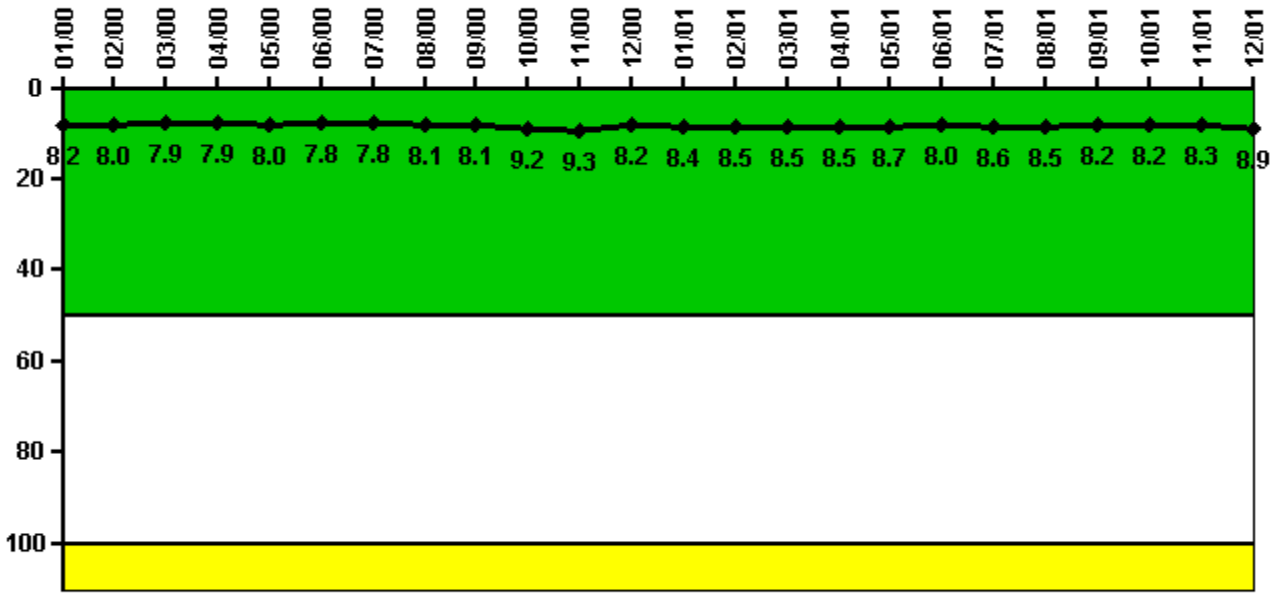
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.003070	0.003840	0.003940	0.005250	0.005940	0.004210	0.004550	0.004290	0.004100	0.004770	0.004320	0.005010
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
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	0.006560	0.002670	0.003420	0.003490	0.002800	0.003140	0.002850	0.003030	0.002270	0.003310	0.002450	0.002260
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

12/01: Maximum calculated RCS activity in micro-Curies per gram total Iodine, expressed as a percentage of the Technical Specifications limit. Technical Specifications specify total Iodine, does not specify dose equivalent Iodine-131.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

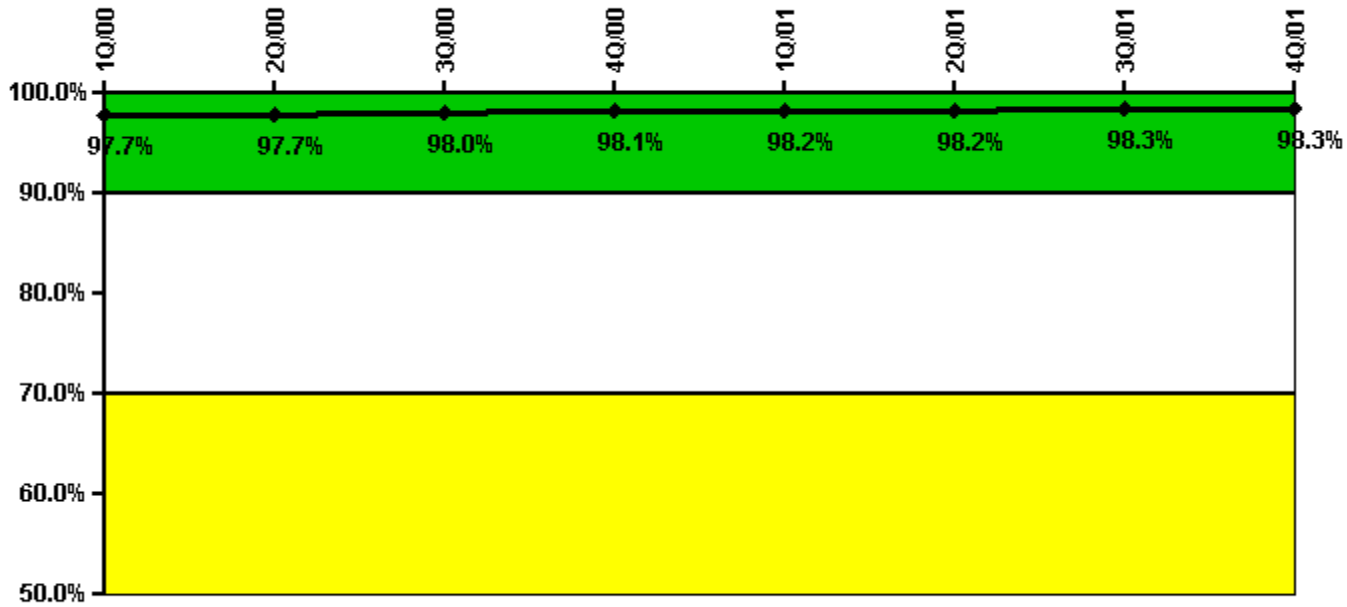
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	2.060	2.010	1.970	1.980	1.990	1.950	1.950	2.020	2.030	2.300	2.330	2.040
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	8.2	8.0	7.9	7.9	8.0	7.8	7.8	8.1	8.1	9.2	9.3	8.2

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	2.100	2.130	2.130	2.120	2.180	2.000	2.140	2.130	2.060	2.060	2.080	2.230
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	8.4	8.5	8.5	8.5	8.7	8.0	8.6	8.5	8.2	8.2	8.3	8.9

Licensee Comments:

12/01: Maximum total leakage (un-identified and identified) in gpm for each month, expressed as a percentage of Technical Specification limit. Technical Specifications specify un-identified leakage and total leakage, does not specify identified leakage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

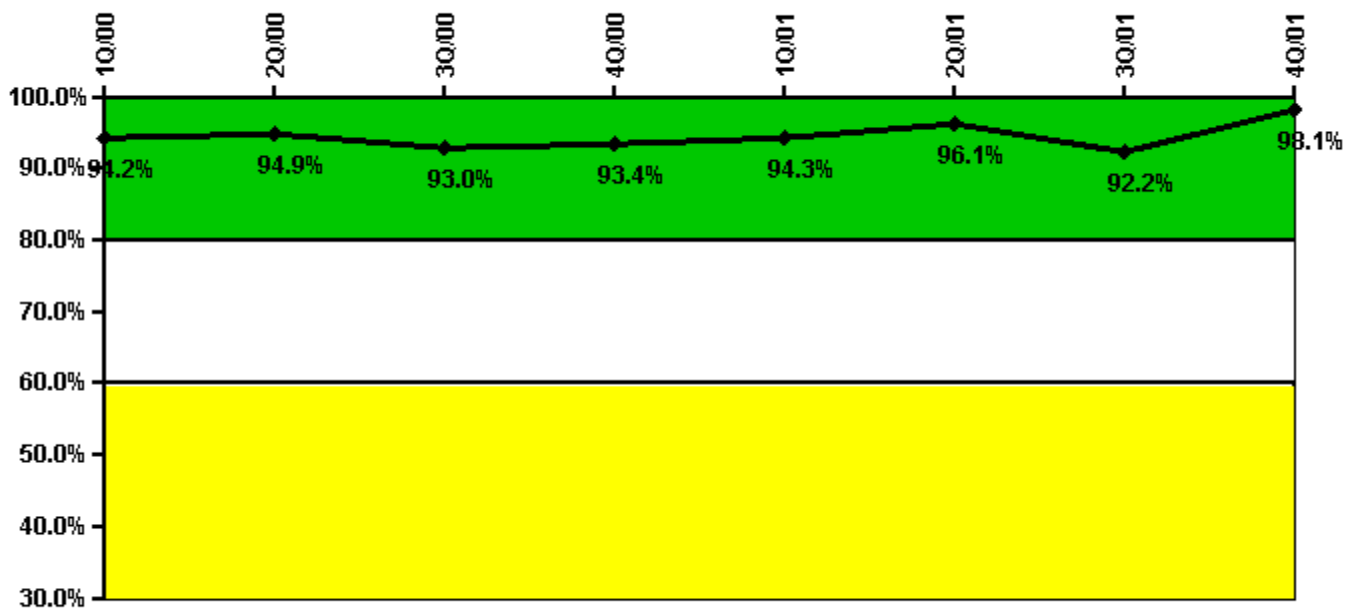
Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	26.0	78.0	9.0	26.0	6.0	2.0	28.0	59.0
Total opportunities	27.0	79.0	9.0	26.0	6.0	2.0	28.0	61.0
Indicator value	97.7%	97.7%	98.0%	98.1%	98.2%	98.2%	98.3%	98.3%

Licensee Comments:

4Q/01: The indicator is expressed as a percentage (drill, exercise, and actual opportunities that were performed timely and accurately during the last eight quarters).

ERO Drill Participation



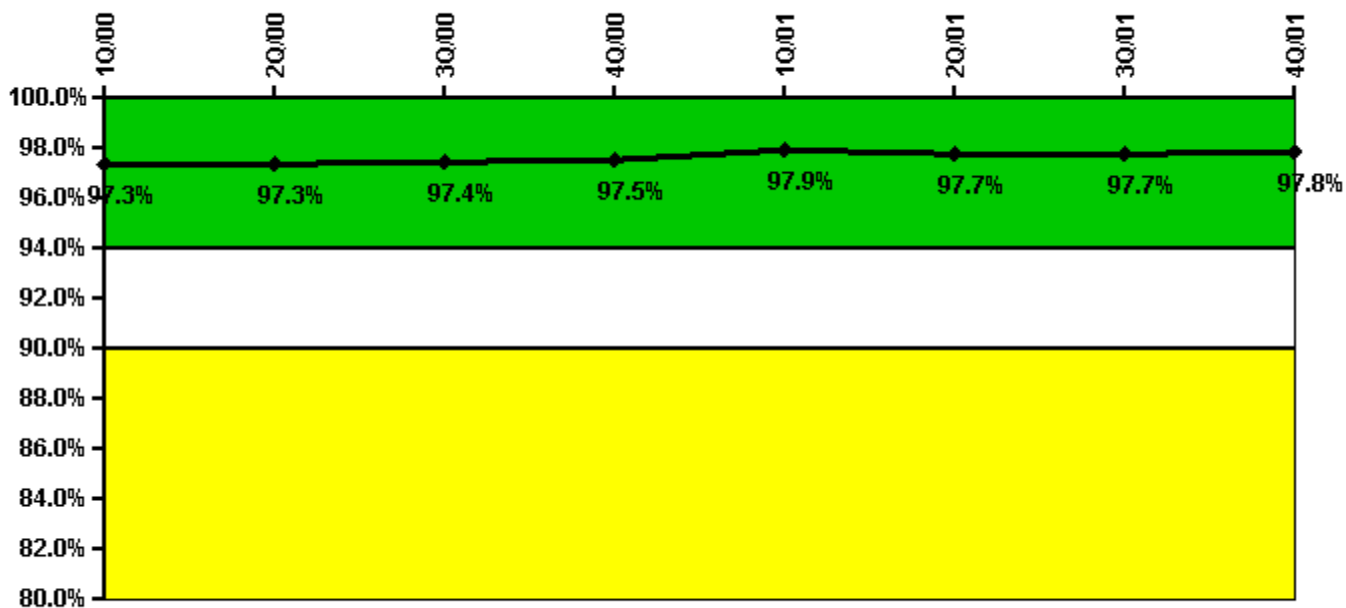
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	49.0	56.0	53.0	57.0	50.0	49.0	47.0	52.0
Total Key personnel	52.0	59.0	57.0	61.0	53.0	51.0	51.0	53.0
Indicator value	94.2%	94.9%	93.0%	93.4%	94.3%	96.1%	92.2%	98.1%

Licensee Comments: none

Alert & Notification System



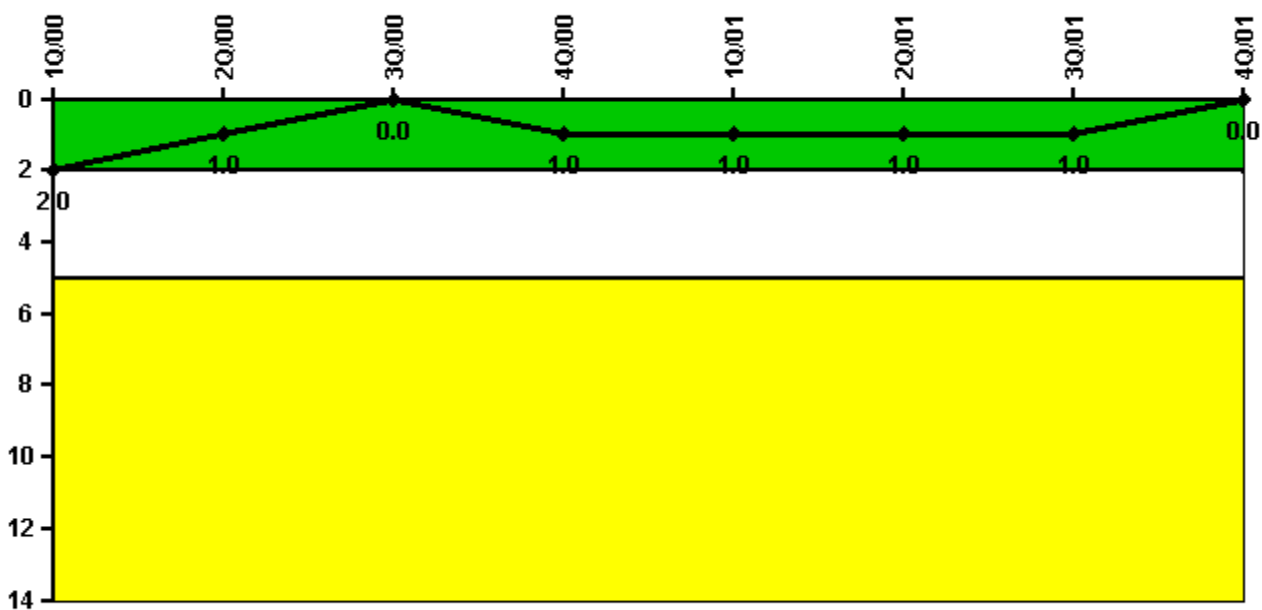
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	324	330	328	437	330	328	328	438
Total sirens-tests	336	336	336	448	336	336	336	448
Indicator value	97.3%	97.3%	97.4%	97.5%	97.9%	97.7%	97.7%	97.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



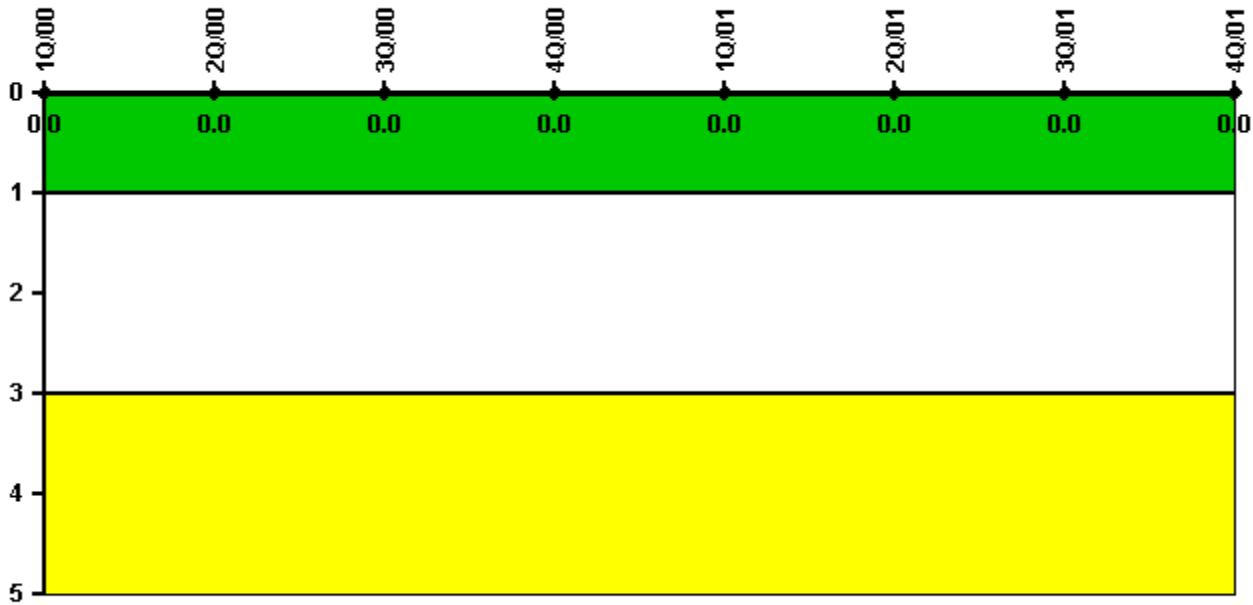
Thresholds: White > 2.0 Yellow > 5.0

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	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	2	1	0	1	1	1	1	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

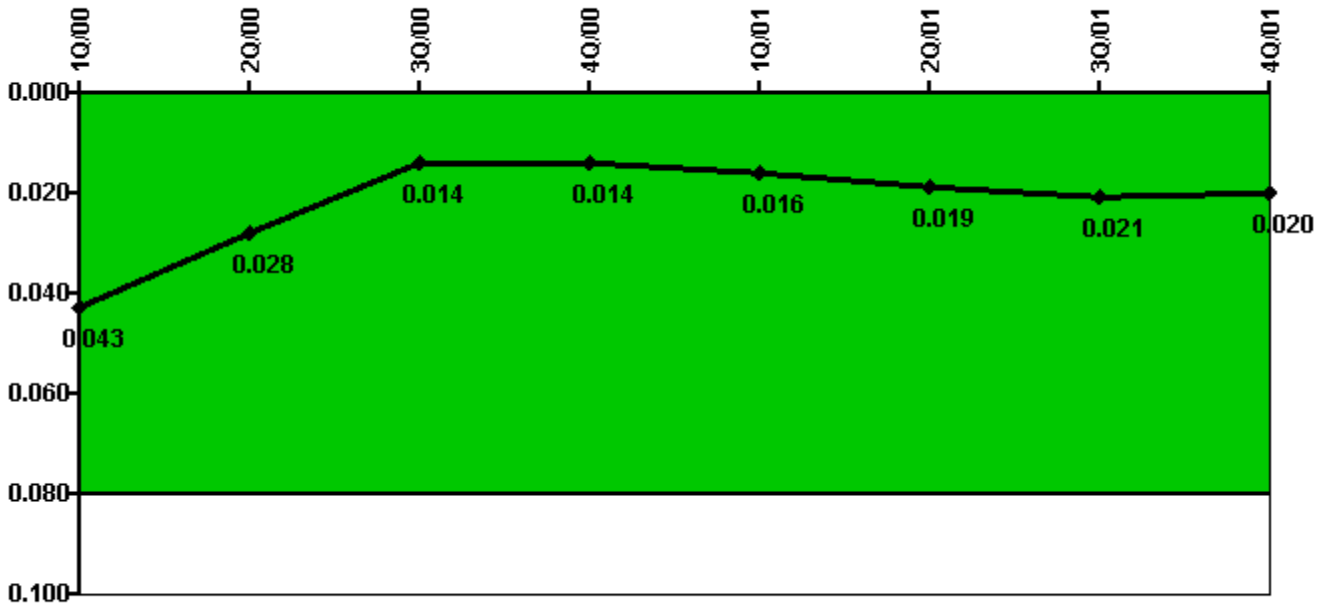
Notes

RETS/ODCM Radiological Effluent	1Q/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:

4Q/01: Analysis results of effluents for December 2001 were not available when this data was submitted because the results of laboratory analysis of samples for December 2001 will not be available until January 2002. Weekly calculations completed through December 31, 2001 indicate cumulative doses for 4Q-2001 were well below the specified values. The sample analysis results for 4Q-2001 will be reflected in the April 2002 data submittal (for 1Q-2002). The sample analysis results for 3Q-2001 were as reported in the October 2001 data submittal (for 3Q-2001).

Protected Area Security Performance Index



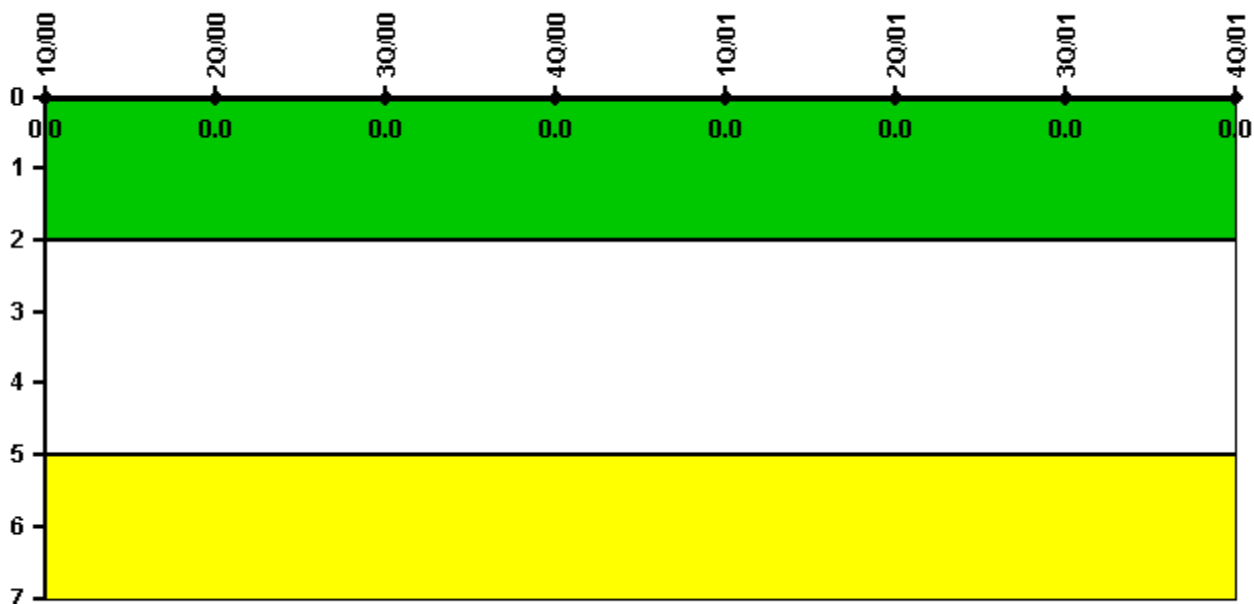
Thresholds: White > 0.080

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	93.50	95.60	268.90	60.10	137.10	151.10	73.20	36.60
CCTV compensatory hours	0	0	0	0	12.4	36.6	118.5	0
IDS normalization factor	2.30	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.043	0.028	0.014	0.014	0.016	0.019	0.021	0.020

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