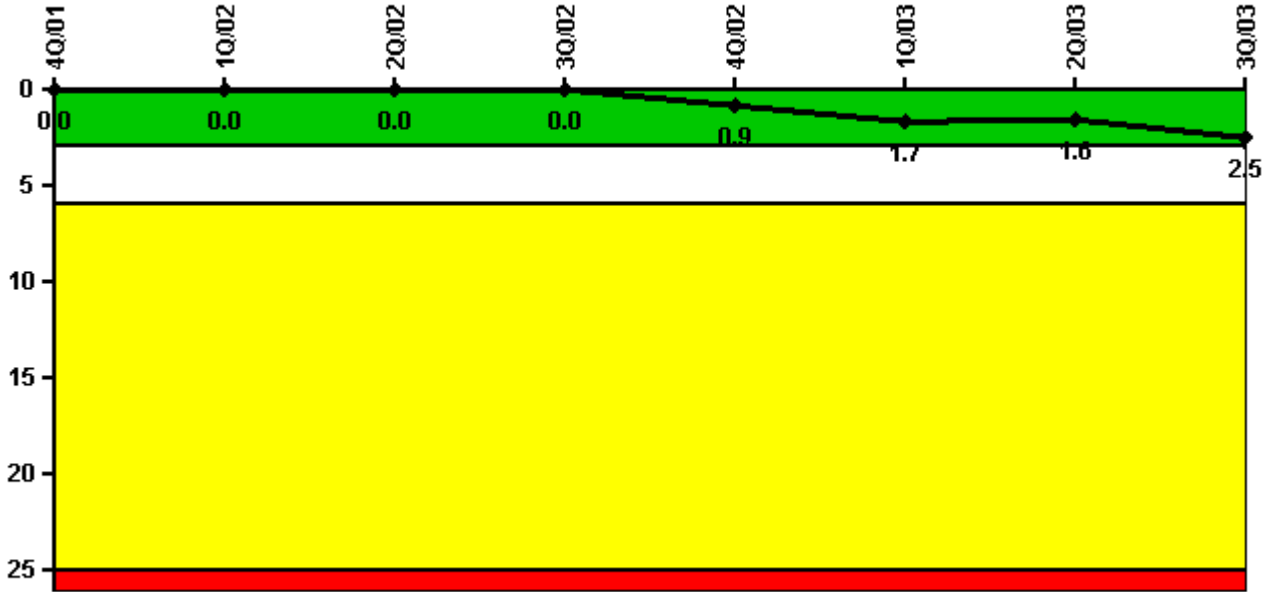


Surry 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



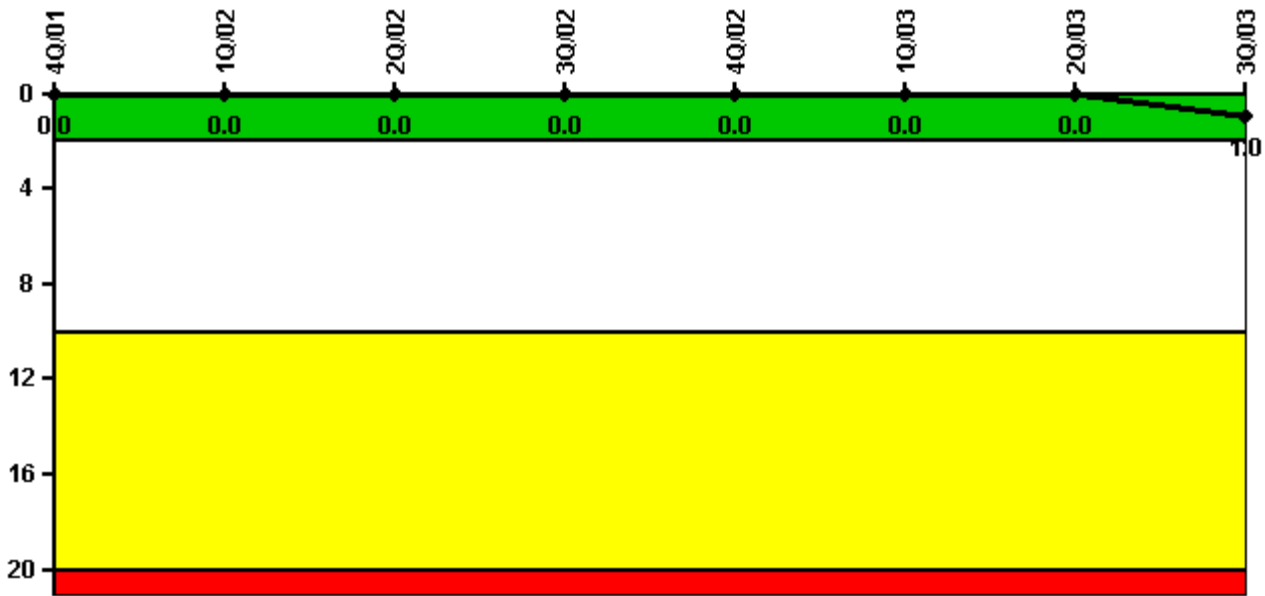
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	0	1.0	1.0	0	1.0
Critical hours	1950.6	1968.9	1716.0	2208.0	2172.7	2097.1	2183.0	1913.5
Indicator value	0	0	0	0	0.9	1.7	1.6	2.5

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



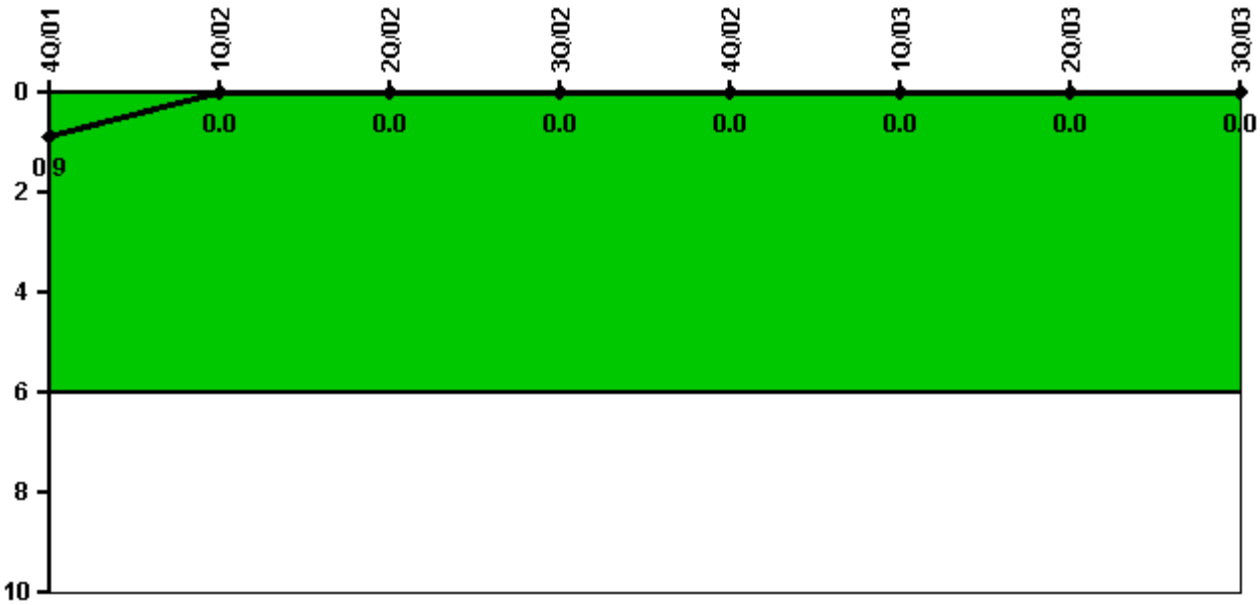
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	0	1.0
Indicator value	0	0	0	0	0	0	0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



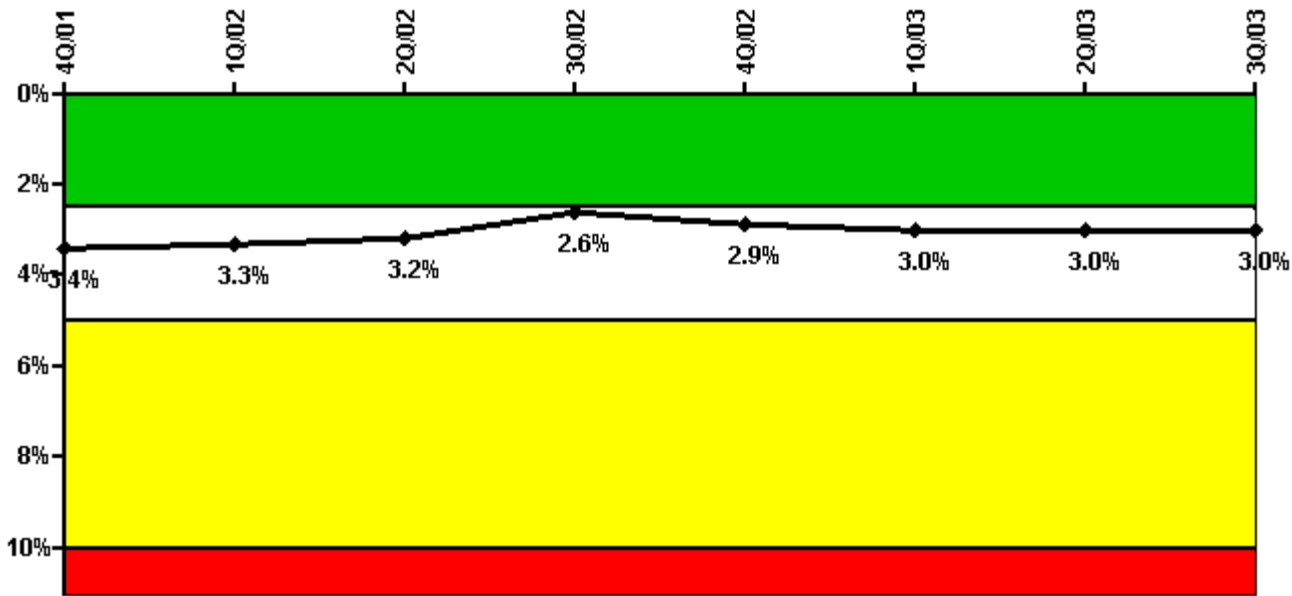
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1950.6	1968.9	1716.0	2208.0	2172.7	2097.1	2183.0	1913.5
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



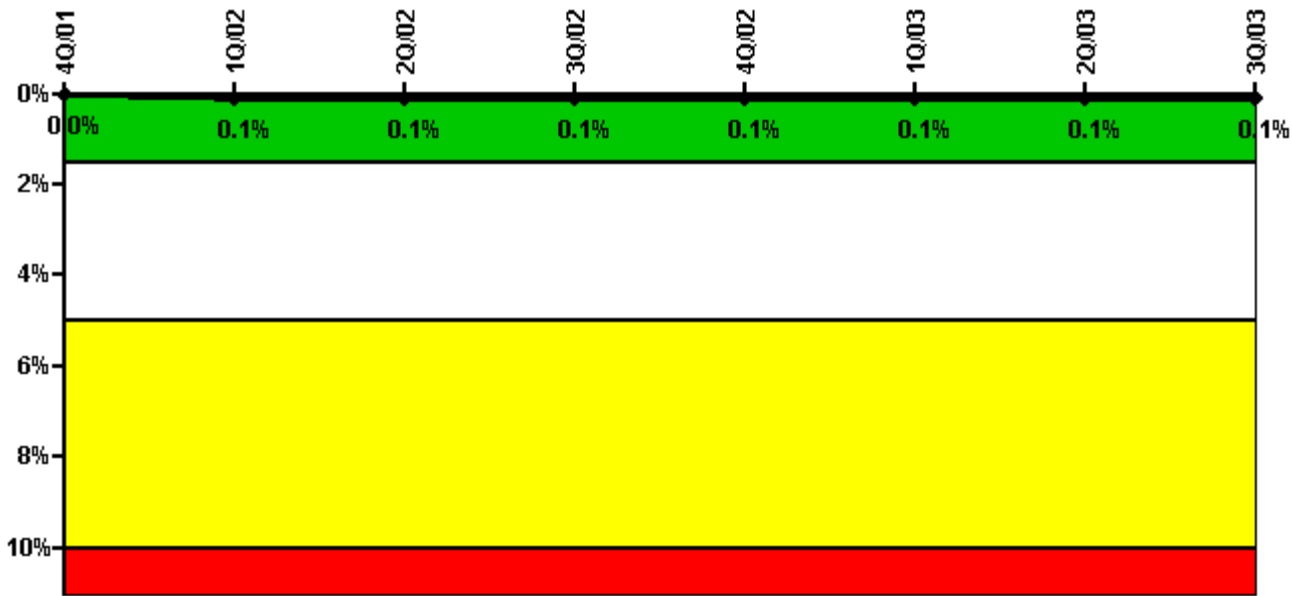
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	94.71	23.48	12.57	20.43	11.90	29.87	9.27	90.55
Unplanned unavailable hours	135.10	10.50	0.32	0	0	0	1.90	16.23
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	336.03	0	0	0	0
Required hours	2005.98	1978.30	1791.42	2208.00	2209.00	2160.00	2183.00	1952.88
Train 2								
Planned unavailable hours	44.59	15.60	25.40	22.58	138.18	14.73	62.79	13.16
Unplanned unavailable hours	12.57	7.37	0	9.50	85.35	18.17	38.62	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	2005.98	1978.30	1791.42	2208.00	2209.00	2160.00	2183.00	1952.88
Indicator value	3.4%	3.3%	3.2%	2.6%	2.9%	3.0%	3.0%	3.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



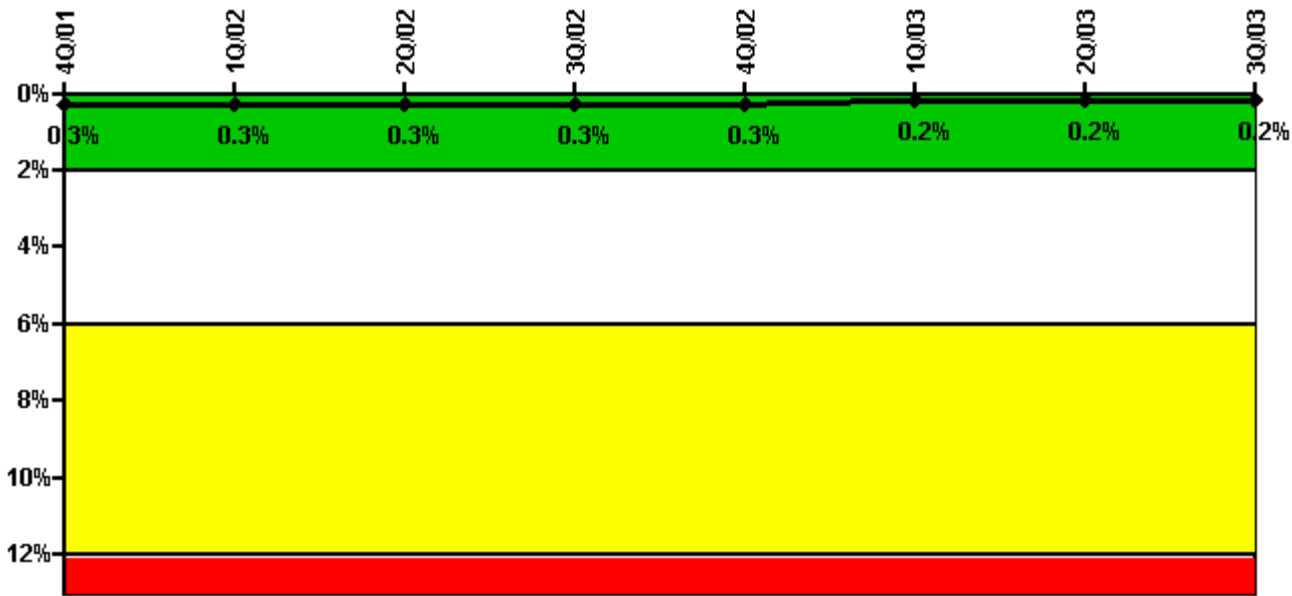
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0	0	0.80	0	1.84	0	0	4.96
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	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00	2183.00	1953.00
Train 2								
Planned unavailable hours	0.50	1.20	1.85	3.46	12.16	1.05	1.30	2.30
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	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00	2183.00	1953.00
Indicator value	0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



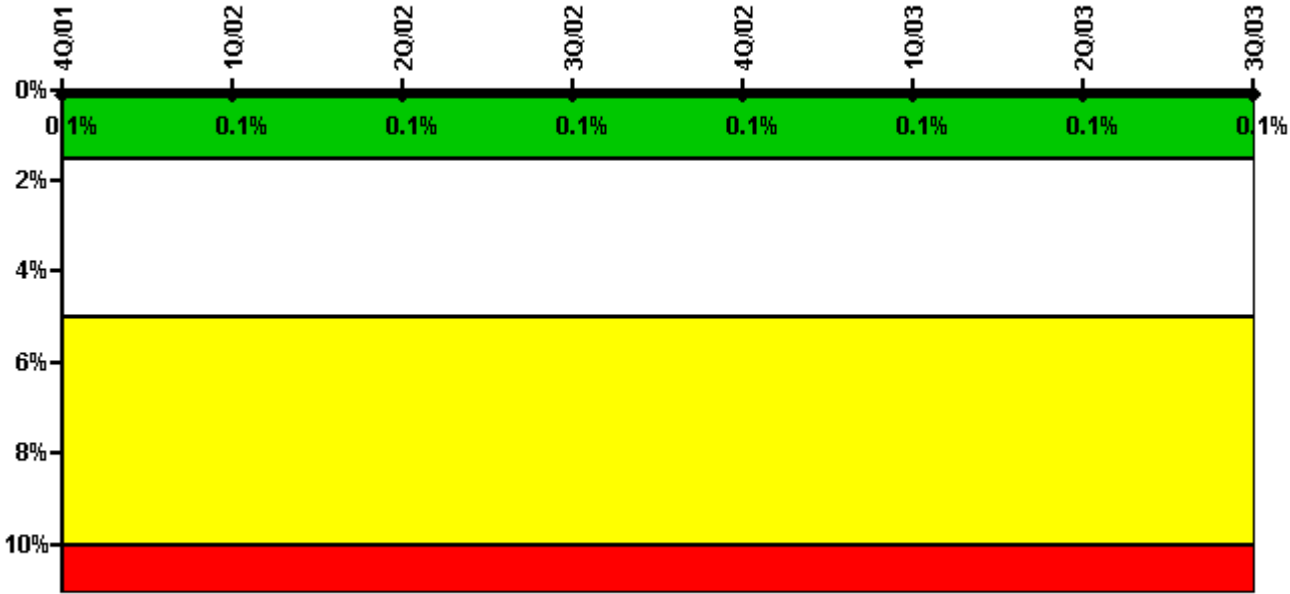
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.30	9.30	14.70	0.68	1.60	9.56	0.77	0.80
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	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00	2183.00	1953.00
Train 2								
Planned unavailable hours	1.50	0.60	8.70	0.95	0.82	0.98	5.58	2.15
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	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00	2183.00	1953.00
Train 3								
Planned unavailable hours	1.30	11.90	1.20	1.20	1.80	2.32	16.93	2.16
Unplanned unavailable hours	0	0	3.80	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	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00	2183.00	1953.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

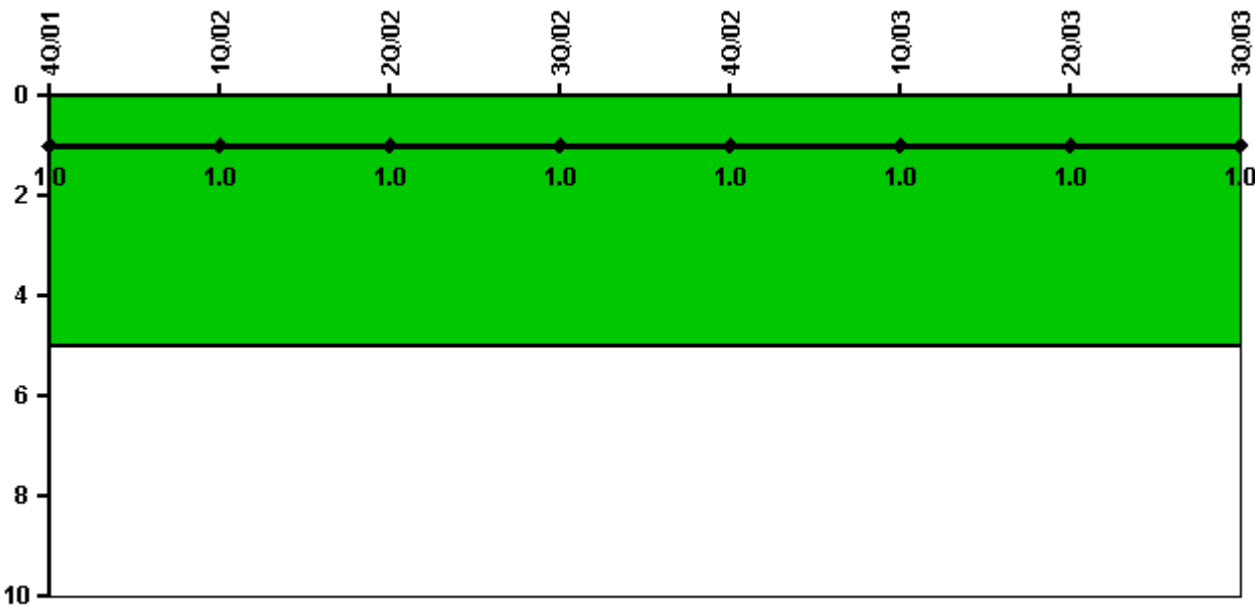
Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0	10.80	0.47	0.83	5.79	0.05	0.70	0.33
Unplanned unavailable hours	0	0	0	0	0.25	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1968.90	1716.00	2208.00	2209.00	2097.00	2183.00	1953.00
Train 2								
Planned unavailable hours	0.60	1.90	0	0.88	23.45	1.11	1.20	0.33
Unplanned unavailable hours	0	0	0.40	0	0	0	0	0.50
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	1968.90	1716.00	2208.00	2209.00	2097.00	2183.00	1953.00
Train 3								
Planned unavailable hours	0	10.00	0	0	0	0	0	11.60
Unplanned unavailable hours	0	0	5.85	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	2097.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0	10.20	0	0	0	0	0	10.70

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	2097.00	2183.00	2208.00
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments:

3Q/03: The electrical breaker to the "B" inside recirculation spray pump failed to operate during a refueling outage surveillance test. This failure results in a fault exposure time of 12,581 hours and therefore, is amenable to evaluation through the Significance Determination Process. Accordingly, these fault exposure hours are excluded from this indicator. Reference NEI 99-02, Rev. 2, page 33, section titled "Equipment Unavailability due to Design Deficiency".

Safety System Functional Failures (PWR)



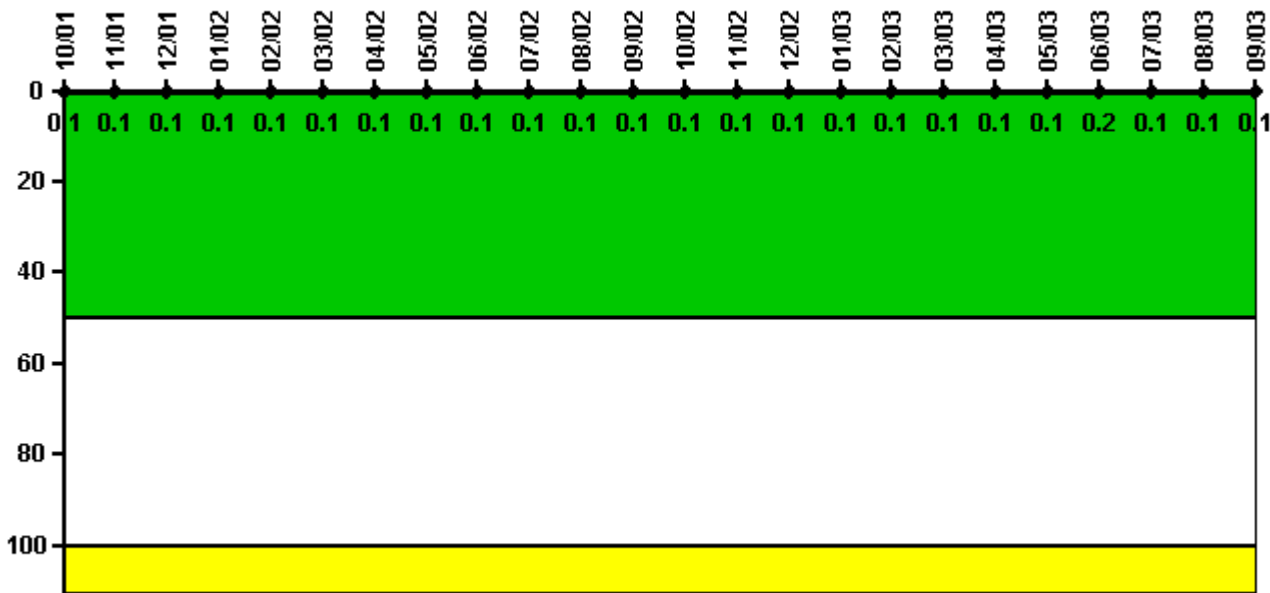
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	1	1	1	1	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

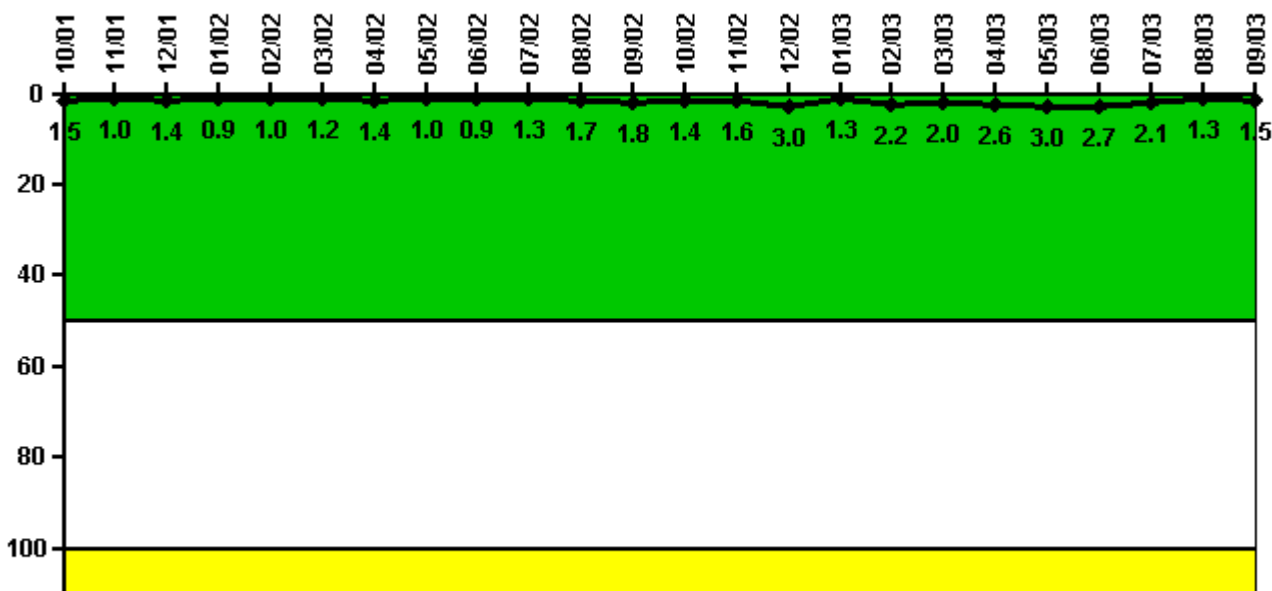
Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.001100	0.001140	0.001190	0.001140	0.001160	0.001350	0.000611	0.000791	0.000651	0.000748	0.000720	0.000722
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000729	0.000738	0.000758	0.000768	0.000753	0.000760	0.000903	0.001010	0.001870	0.000857	0.000853	0.001030
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



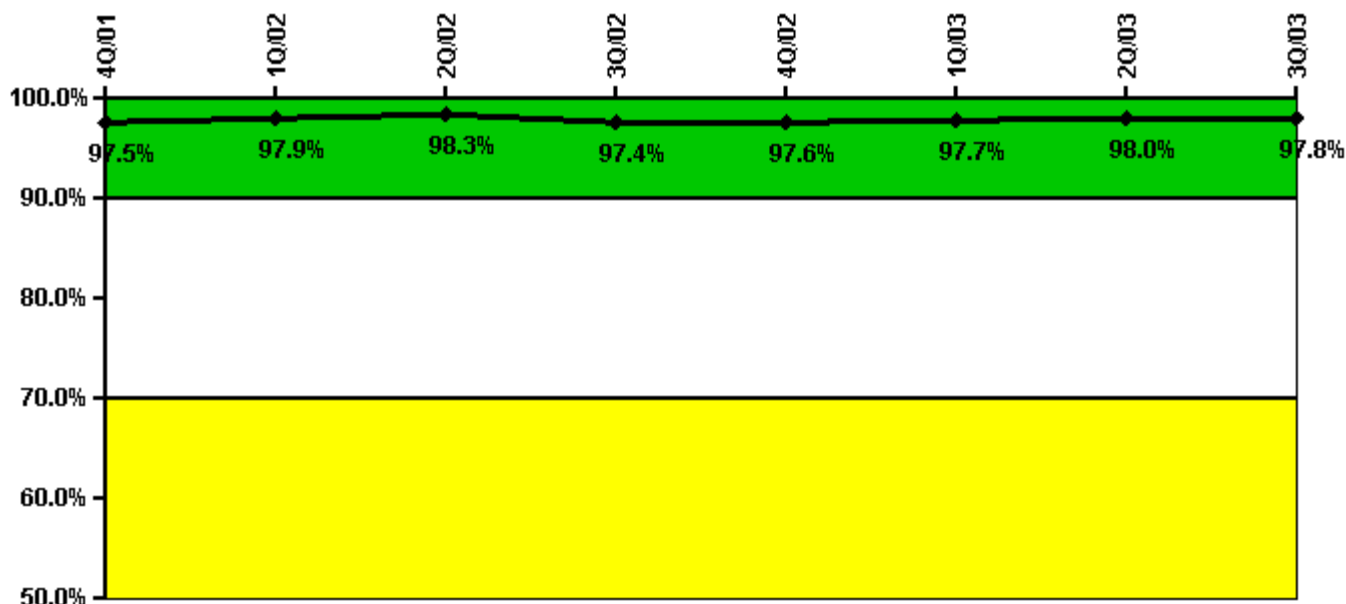
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.150	0.100	0.140	0.090	0.100	0.120	0.140	0.100	0.090	0.130	0.170	0.180
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	1.5	1.0	1.4	0.9	1.0	1.2	1.4	1.0	0.9	1.3	1.7	1.8
Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.140	0.160	0.300	0.130	0.220	0.200	0.260	0.300	0.270	0.210	0.130	0.150
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	1.4	1.6	3.0	1.3	2.2	2.0	2.6	3.0	2.7	2.1	1.3	1.5

Licensee Comments: none

Drill/Exercise Performance



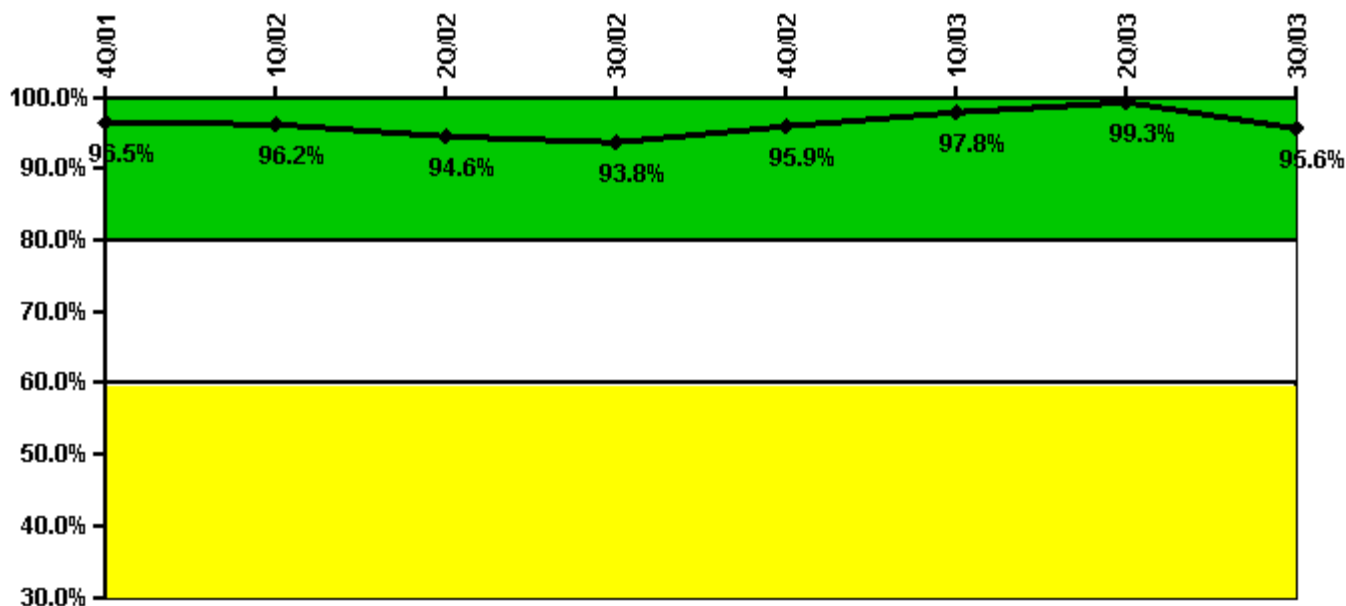
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	27.0	40.0	55.0	54.0	18.0	14.0	48.0	51.0
Total opportunities	28.0	40.0	55.0	56.0	18.0	14.0	49.0	54.0
Indicator value	97.5%	97.9%	98.3%	97.4%	97.6%	97.7%	98.0%	97.8%

Licensee Comments: none

ERO Drill Participation



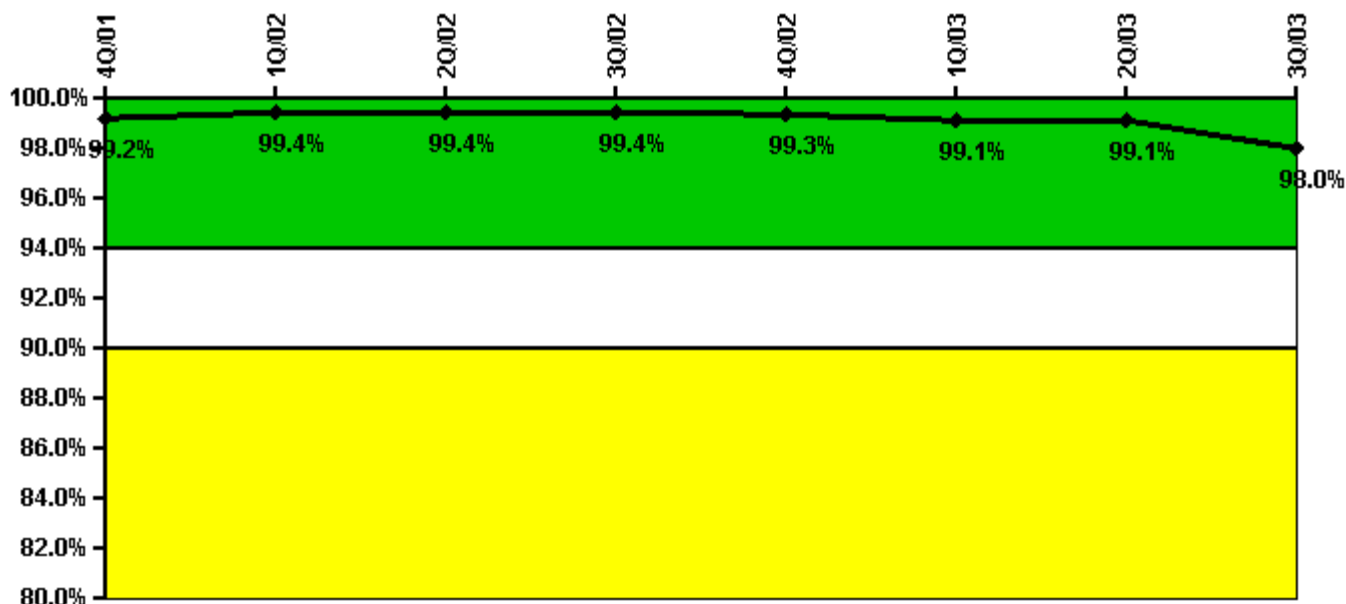
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	137.0	126.0	141.0	135.0	140.0	136.0	137.0	152.0
Total Key personnel	142.0	131.0	149.0	144.0	146.0	139.0	138.0	159.0
Indicator value	96.5%	96.2%	94.6%	93.8%	95.9%	97.8%	99.3%	95.6%

Licensee Comments: none

Alert & Notification System



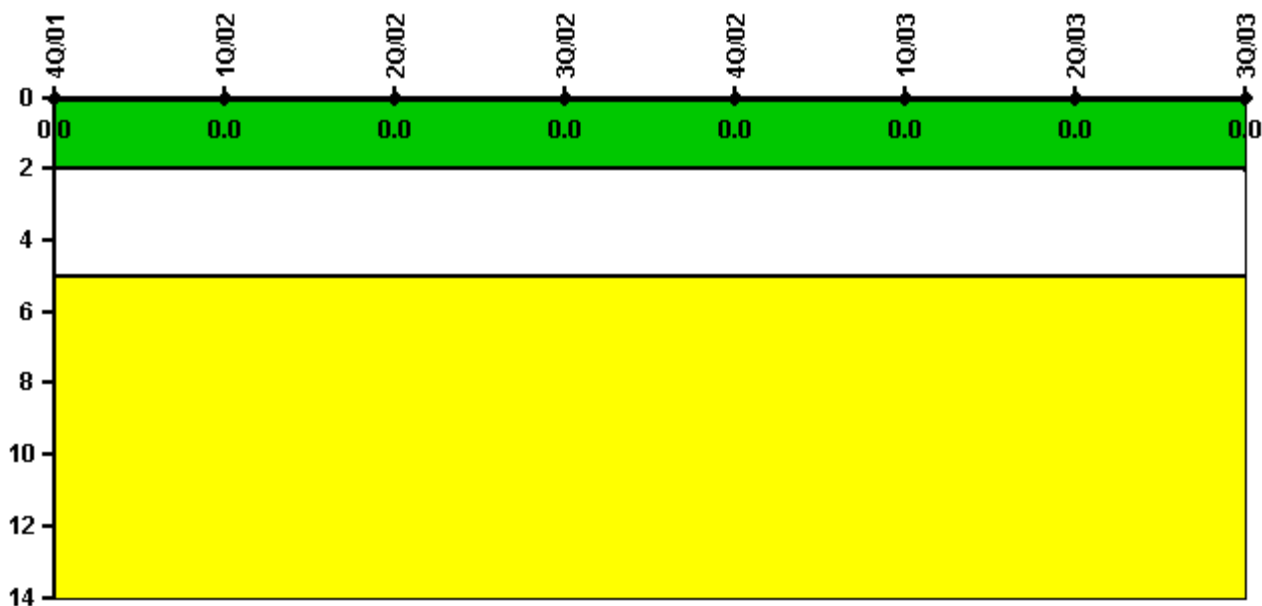
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	508	518	515	453	514	525	531	510
Total sirens-tests	512	520	520	455	520	530	536	536
Indicator value	99.2%	99.4%	99.4%	99.4%	99.3%	99.1%	99.1%	98.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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



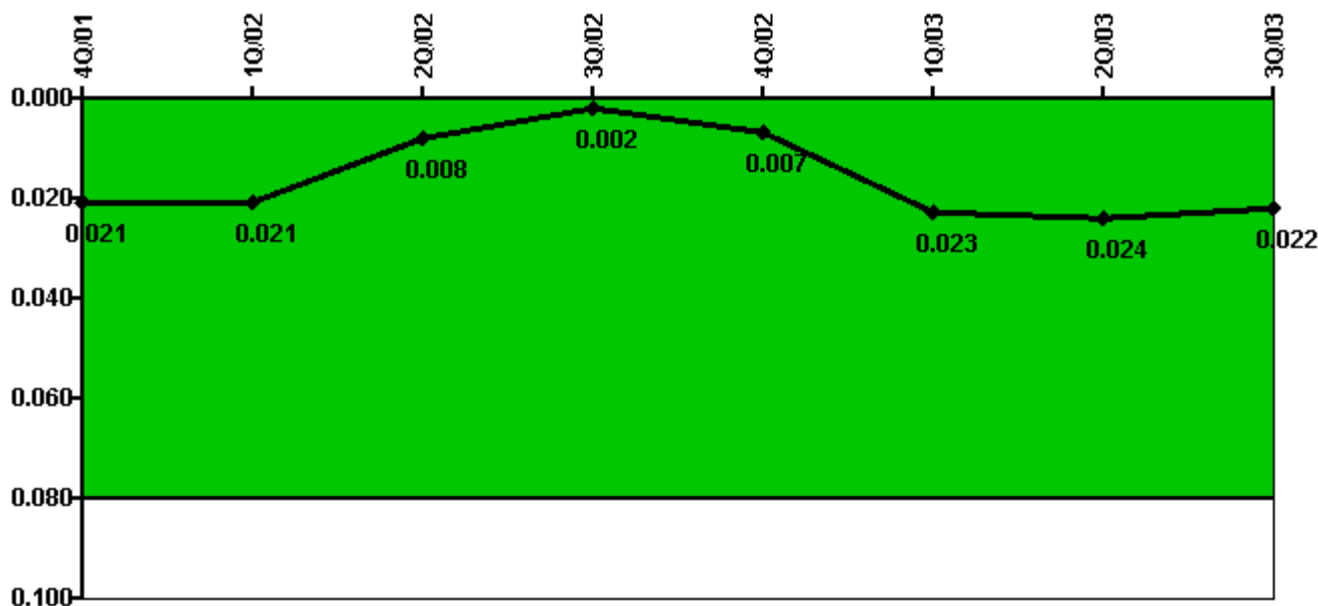
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	0	0	13.26	27.25	83.20	298.08	32.60	0
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.021	0.021	0.008	0.002	0.007	0.023	0.024	0.022

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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Last Modified: October 22, 2003