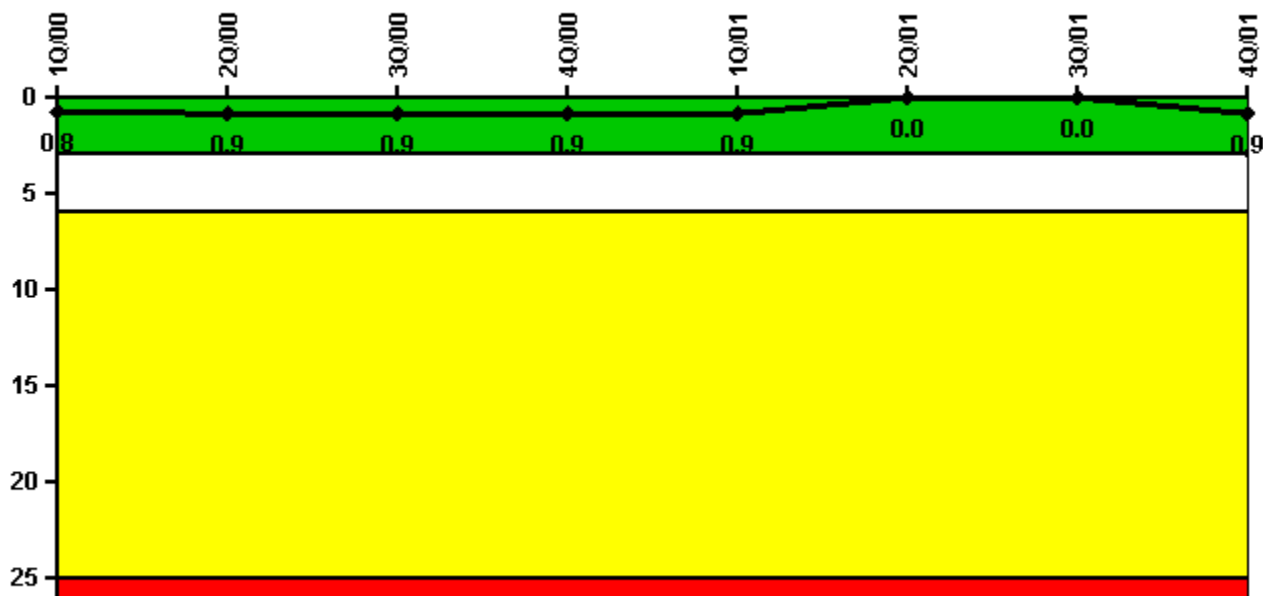


Fermi 2

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	1.0	0	0	0	0	0	1.0
Critical hours	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5
Indicator value	0.8	0.9	0.9	0.9	0.9	0	0	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



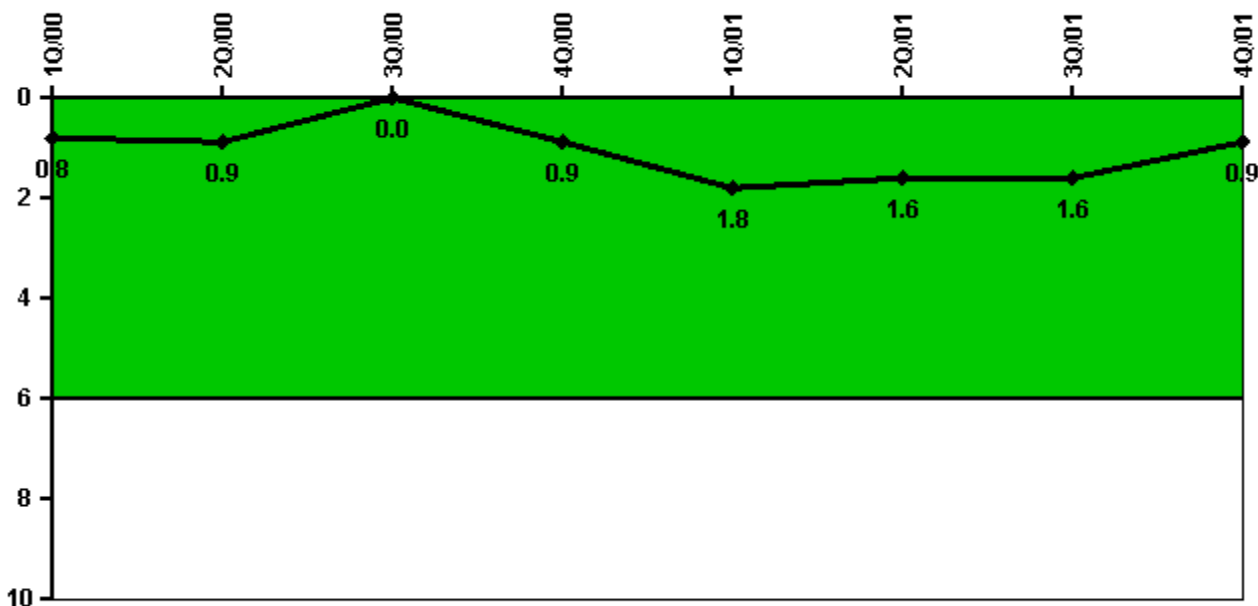
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



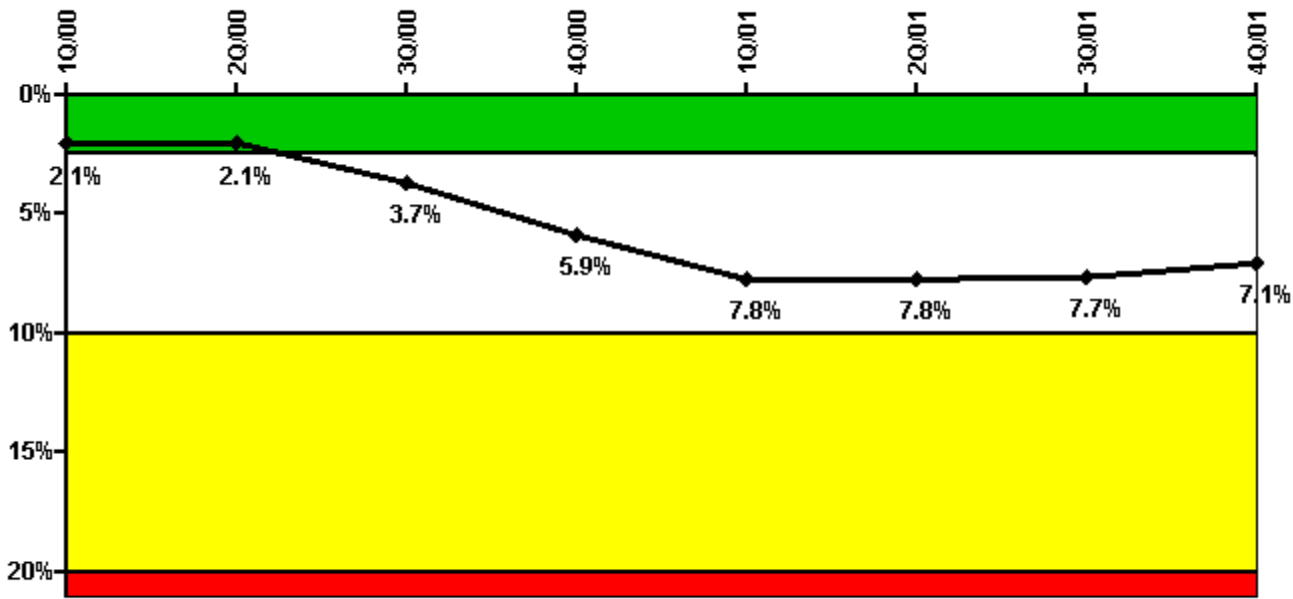
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	0	0	0
Critical hours	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5
Indicator value	0.8	0.9	0	0.9	1.8	1.6	1.6	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	63.03	3.43	9.79	42.19	3.47	7.86	21.92	6.47
Unplanned unavailable hours	0	0	0	0	0	0.82	0	0
Fault exposure hours	667.88	32.88	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	700.76
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	60.73	1.08	5.05	52.24	4.40	11.38	21.13	11.61
Unplanned unavailable hours	4.80	0	0	0	0	0.57	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	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	87.41	5.58	6.49	42.56	4.46	3.32	42.65	5.79
Unplanned unavailable hours	0	0	0	0	0	10.60	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	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	84.73	9.03	0	0	0	10.78	49.86	14.48
Unplanned unavailable hours	0	0	0	0	192.50	20.70	43.78	0
Fault exposure hours	0	0	2057.85	2209.00	1918.15	0	0	0
Effective Reset hours	0	0	378.10	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	2.1%	2.1%	3.7%	5.9%	7.8%	7.8%	7.7%	7.1%

Licensee Comments:

4Q/01: Train 1 {EDG 11} 1Q & 2Q 2000 data revised to reset fault exposure hours in accordance with RIS 2001-23 and NEI 99-02 Revision 2. Change does not affect indicator color.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

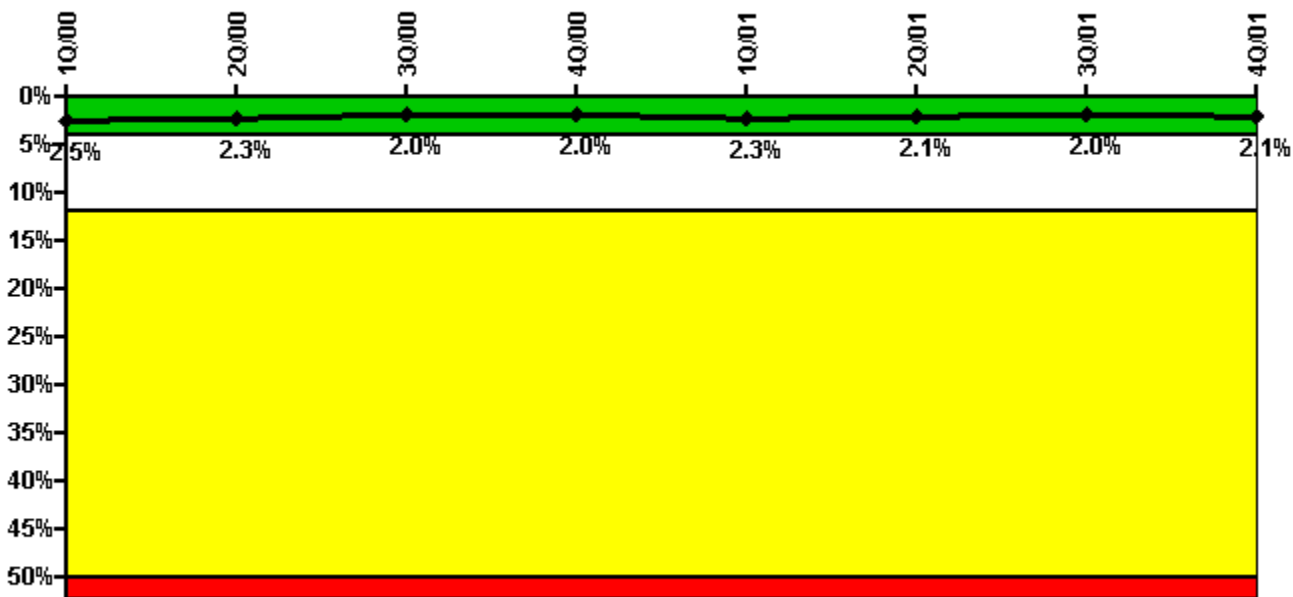
Effective Reset Comments:

4Q/01: Fault hours reset in accordance with RIS 2001-23 and NEI 99-02 Revision 2 guidance

4Q/01: Fault hours reset in accordance with RIS 2001-23 and NEI 99-02 Revision 2 guidance.

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)



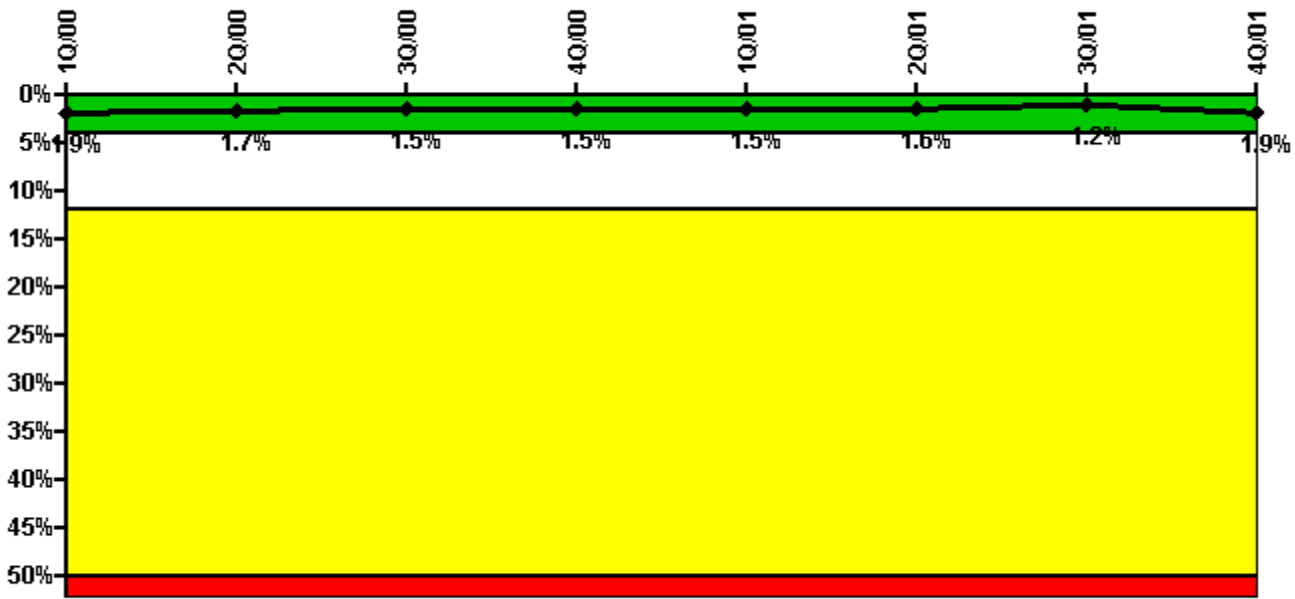
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

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	128.19	9.07	9.47	11.25	70.02	14.88	2.20	9.69
Unplanned unavailable hours	0.60	0	0	0	27.53	27.33	0	27.16
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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50
Indicator value	2.5%	2.3%	2.0%	2.0%	2.3%	2.1%	2.0%	2.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



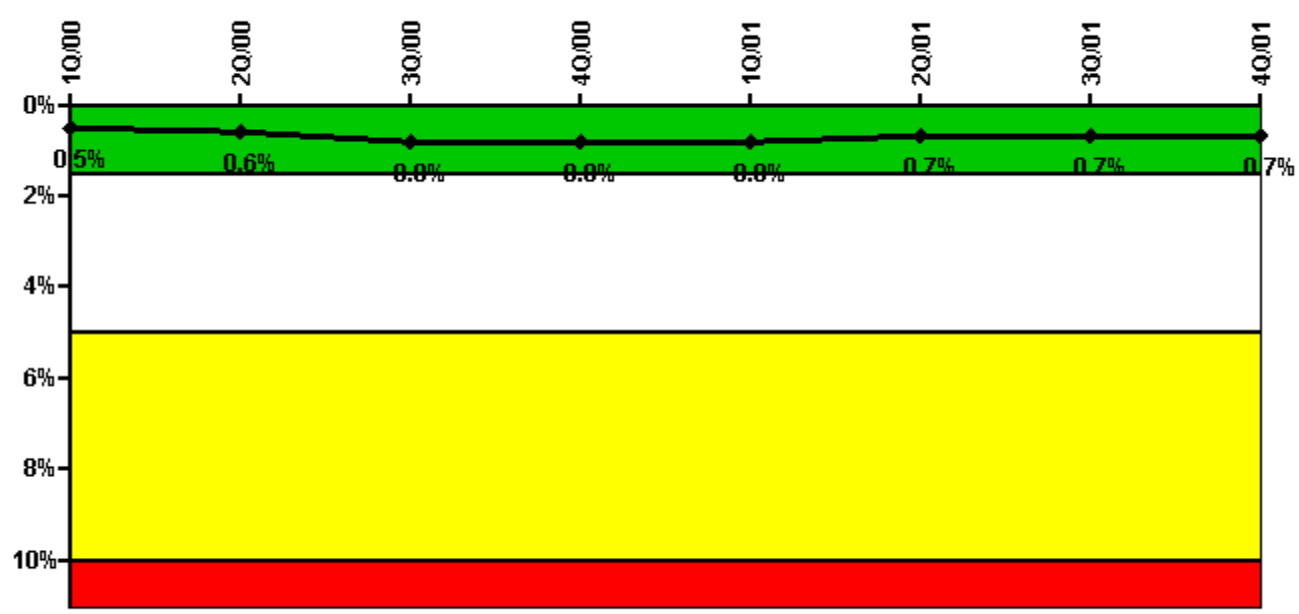
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

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	33.60	5.27	4.13	7.90	1.70	8.50	2.38	161.85
Unplanned unavailable hours	9.70	0.40	0	0	9.10	59.10	0	10.35
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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50
Indicator value	1.9%	1.7%	1.5%	1.5%	1.5%	1.6%	1.2%	1.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



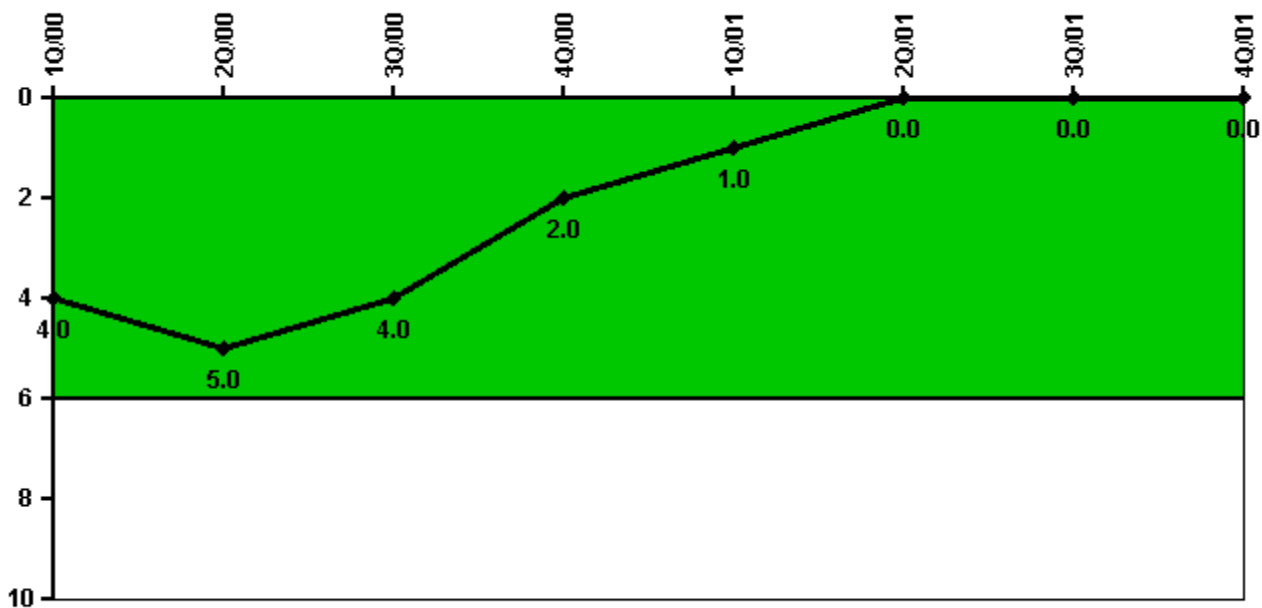
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	33.00	0	39.70	1.47	2.88	1.22	22.17	4.43
Unplanned unavailable hours	9.01	0	0.08	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	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	32.13	54.27	0.88	1.53	1.87	0.92	13.75	0
Unplanned unavailable hours	0.13	0	100.40	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	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.6%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Functional Failures (BWR)



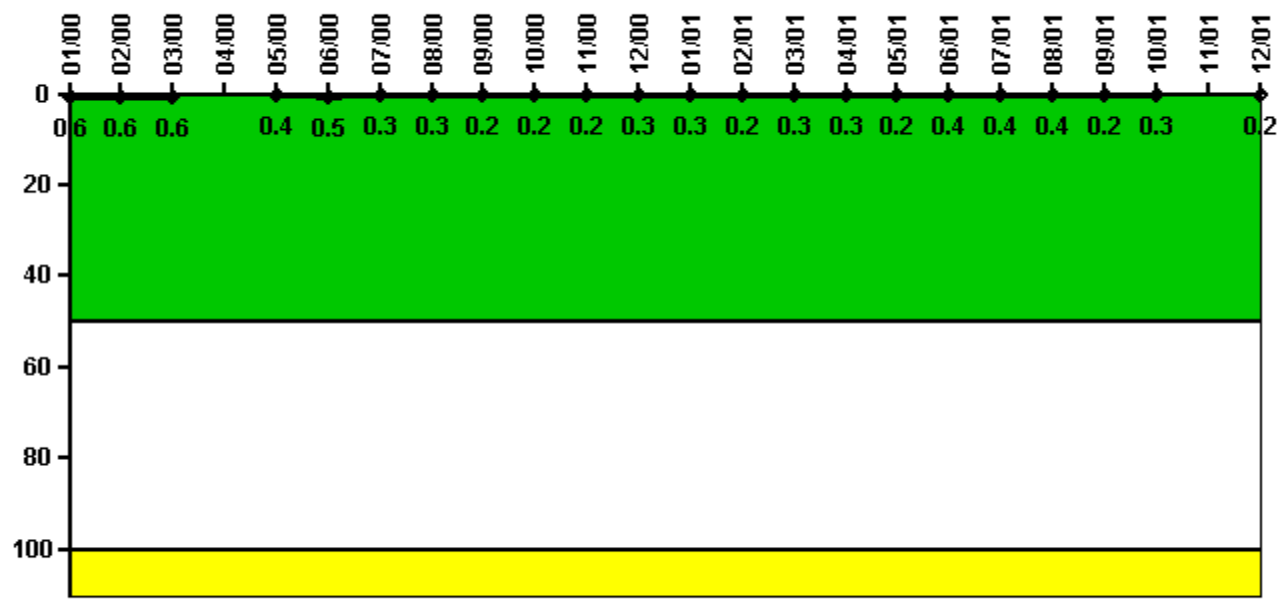
Thresholds: White > 6.0

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	1	1	0	0	0	0	0	0
Indicator value	4	5	4	2	1	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

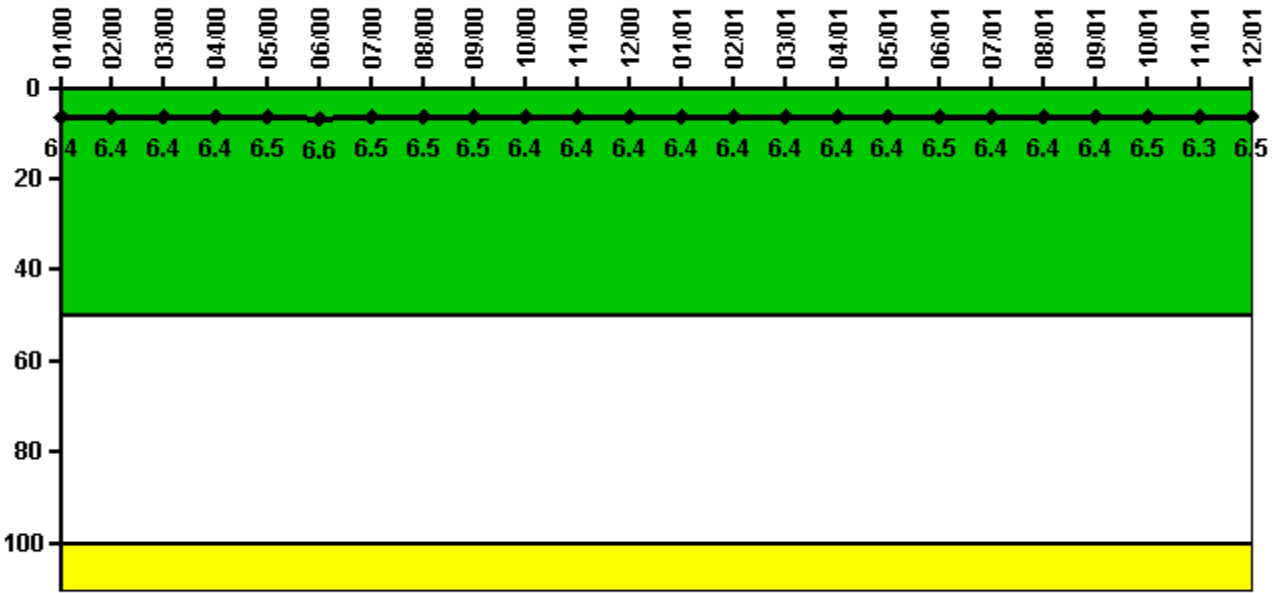
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.6	0.6	0.6	N/A	0.4	0.5	0.3	0.3	0.2	0.2	0.2	0.3

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	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.2	0.3	N/A	0.2

Licensee Comments:

12/01: No surveillance data available for November 2001, plant shutdown for Refuel Outage 8

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

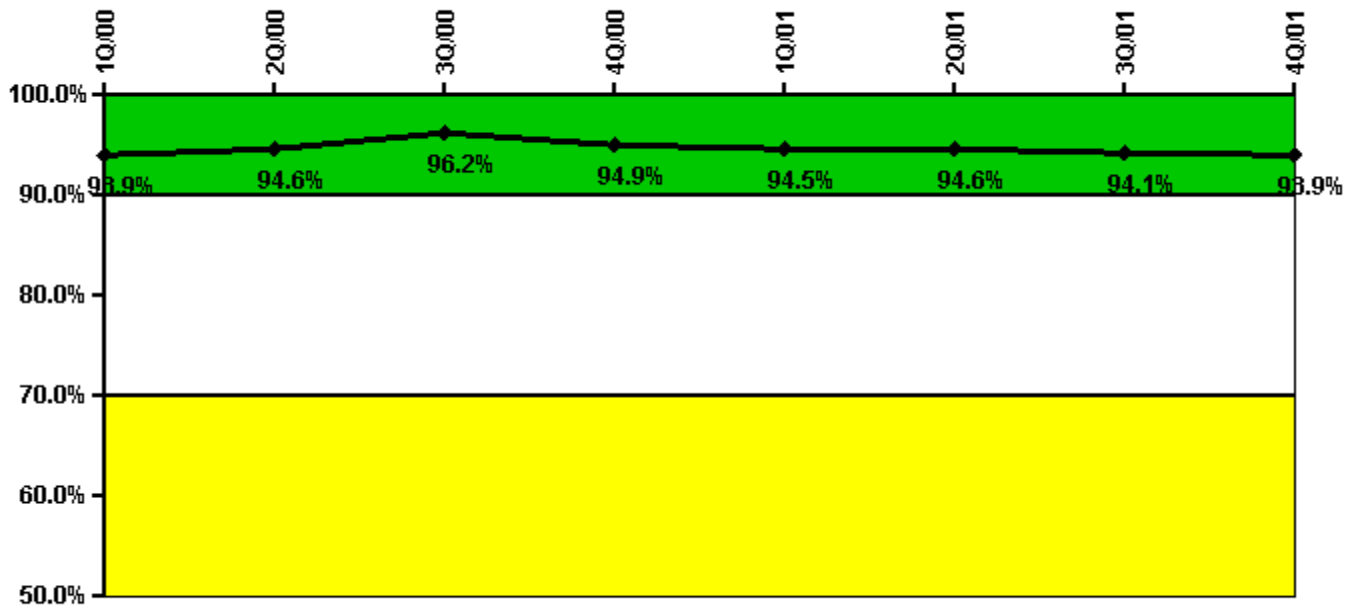
Notes

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	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620	1.610	1.610	1.610
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	6.4	6.4	6.4	6.4	6.5	6.6	6.5	6.5	6.5	6.4	6.4	6.4

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	1.610	1.610	1.610	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630
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	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.5	6.3	6.5

Licensee Comments: none

Drill/Exercise Performance



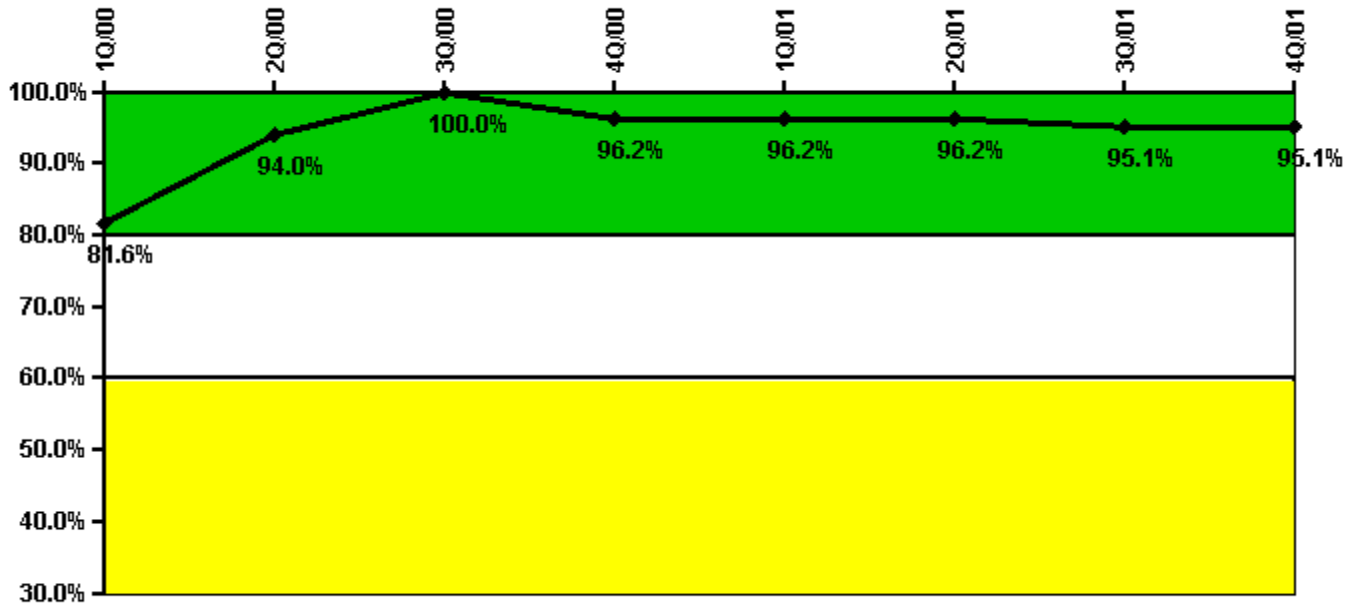
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	0	38.0	56.0	51.0	21.0	30.0	33.0	0
Total opportunities	0	38.0	57.0	56.0	23.0	32.0	38.0	0
Indicator value	93.9%	94.6%	96.2%	94.9%	94.5%	94.6%	94.1%	93.9%

Licensee Comments: none

ERO Drill Participation



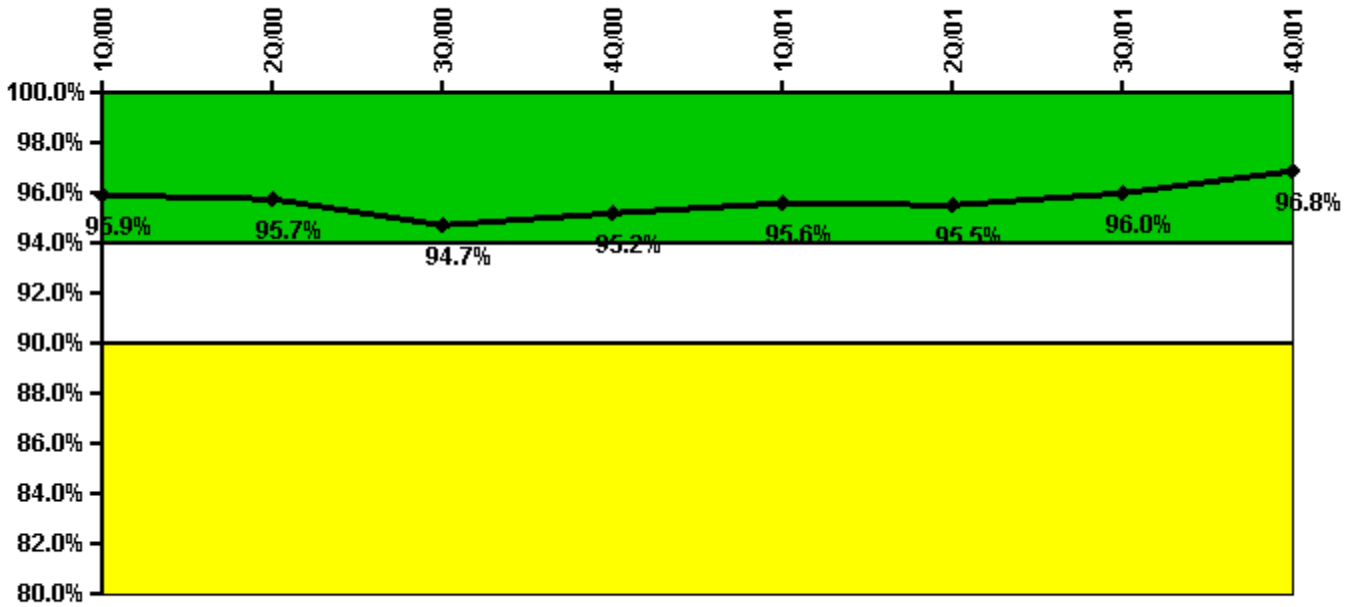
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	40.0	47.0	52.0	51.0	51.0	51.0	58.0	58.0
Total Key personnel	49.0	50.0	52.0	53.0	53.0	53.0	61.0	61.0
Indicator value	81.6%	94.0%	100.0%	96.2%	96.2%	96.2%	95.1%	95.1%

Licensee Comments: none

Alert & Notification System



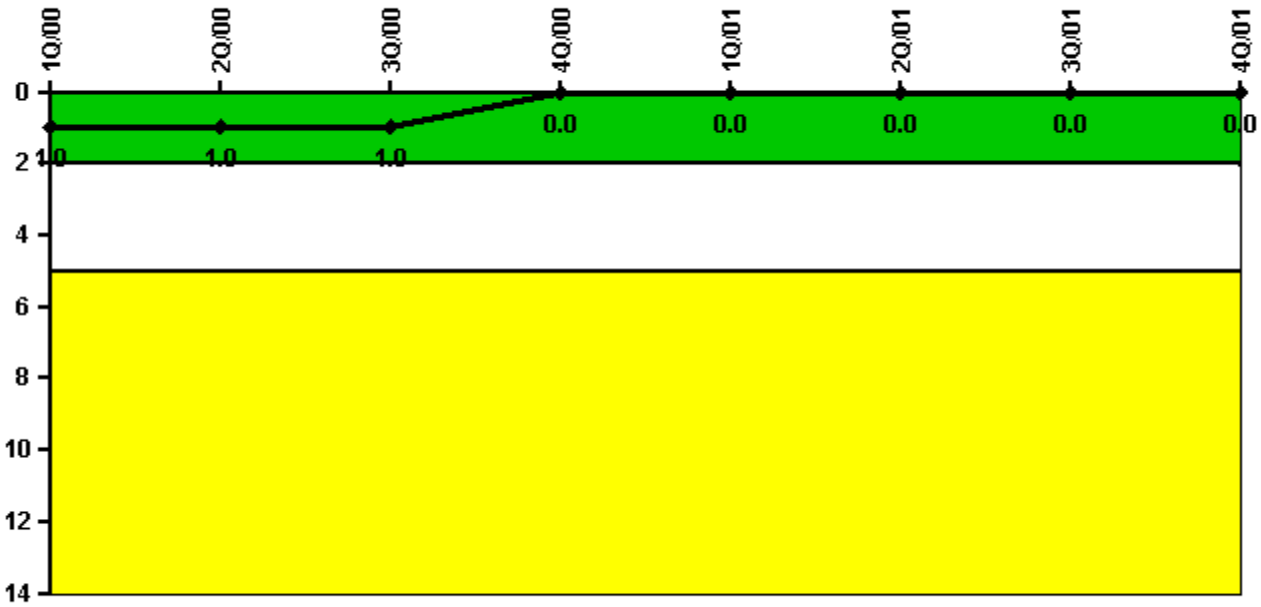
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	337	343	330	338	342	342	338	348
Total sirens-tests	354	354	354	354	354	354	354	354
Indicator value	95.9%	95.7%	94.7%	95.2%	95.6%	95.5%	96.0%	96.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



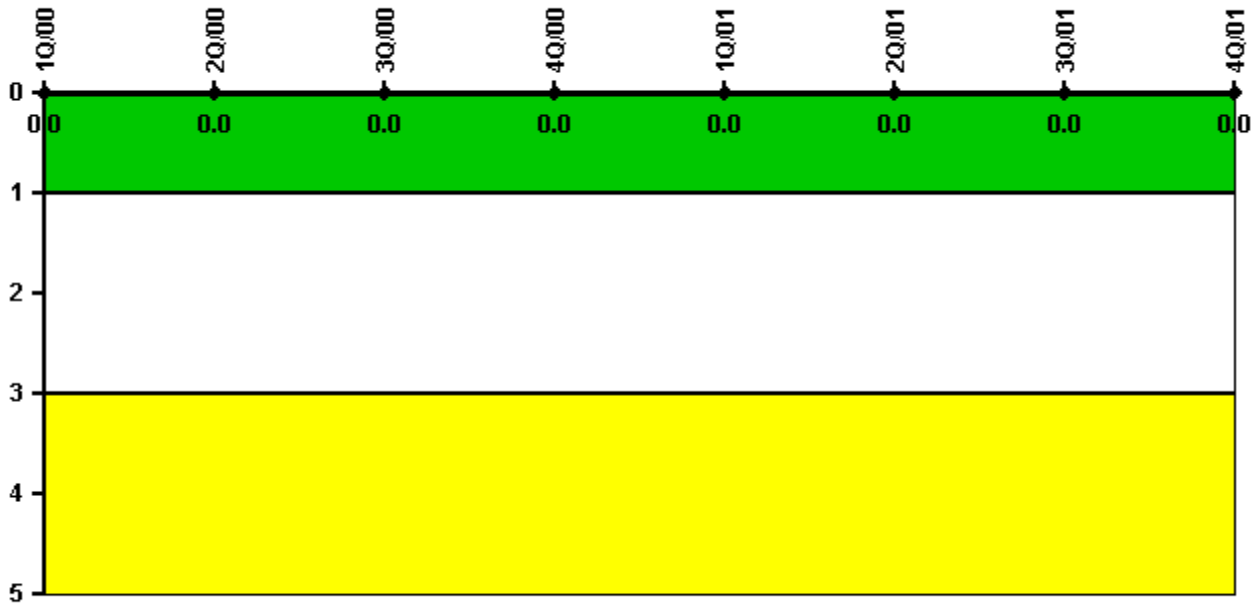
Thresholds: White > 2.0 Yellow > 5.0

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	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	1	1	1	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



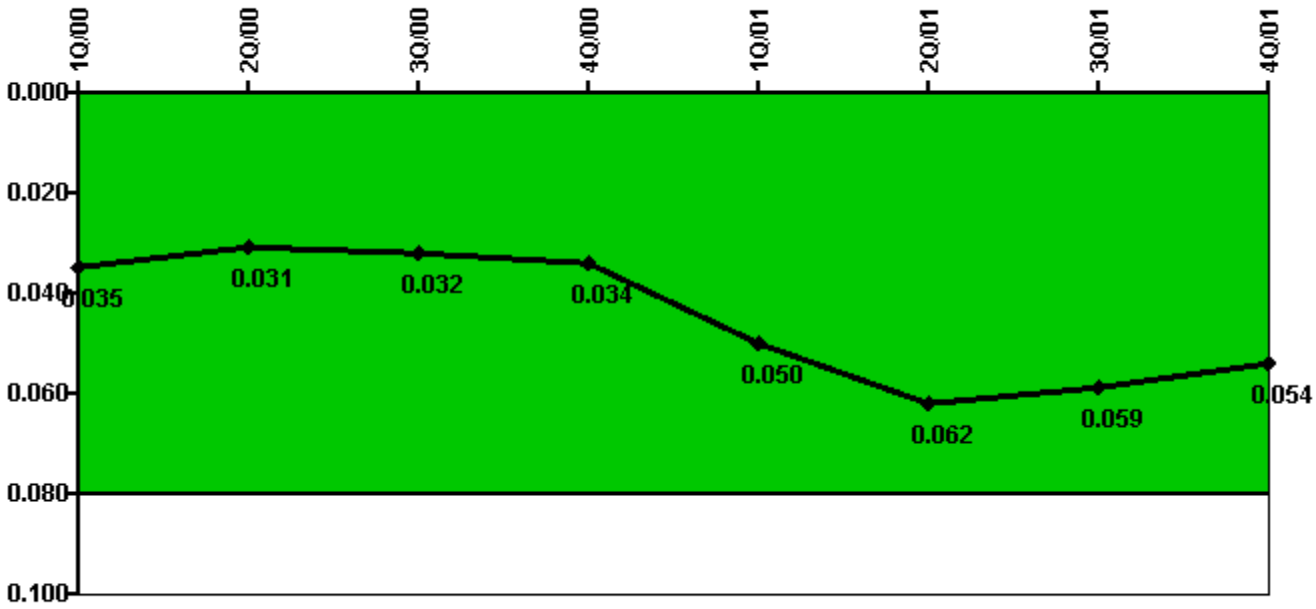
Thresholds: White > 1.0 Yellow > 3.0

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: none

Protected Area Security Performance Index



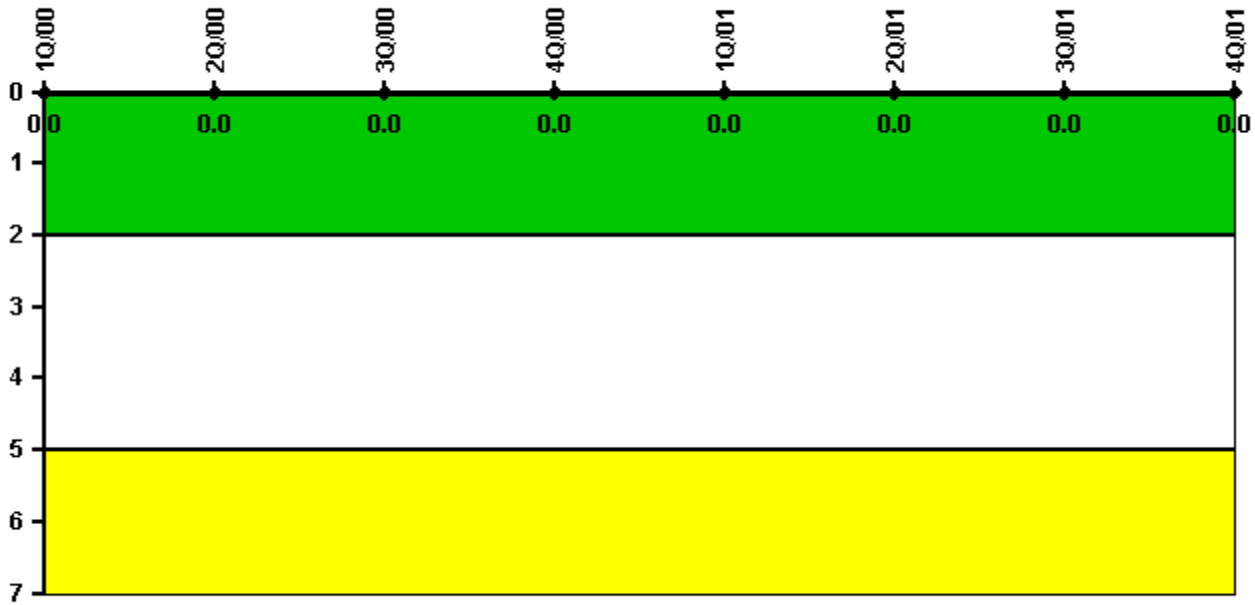
Thresholds: White > 0.080

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	232.30	145.16	379.60	180.50	417.17	388.05	281.75	197.80
CCTV compensatory hours	0.1	1.0	0	98.6	188.1	78.9	1.0	0.5
IDS normalization factor	1.92	1.92	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.035	0.031	0.032	0.034	0.050	0.062	0.059	0.054

Licensee Comments: none

Personnel Screening Program



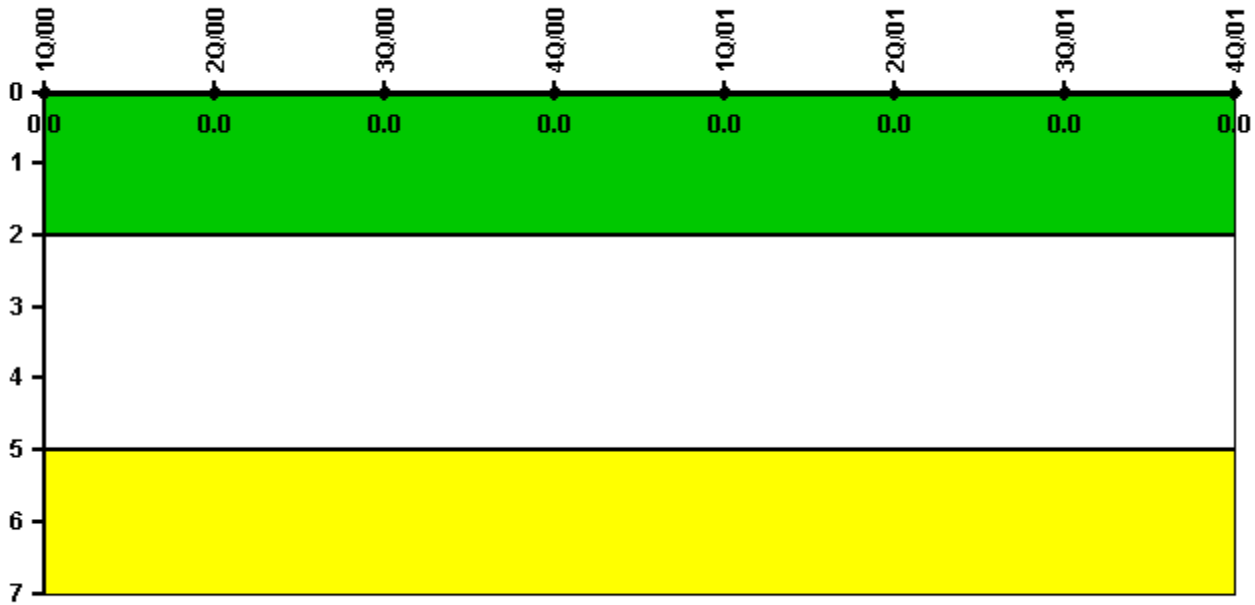
Thresholds: White > 2.0 Yellow > 5.0

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