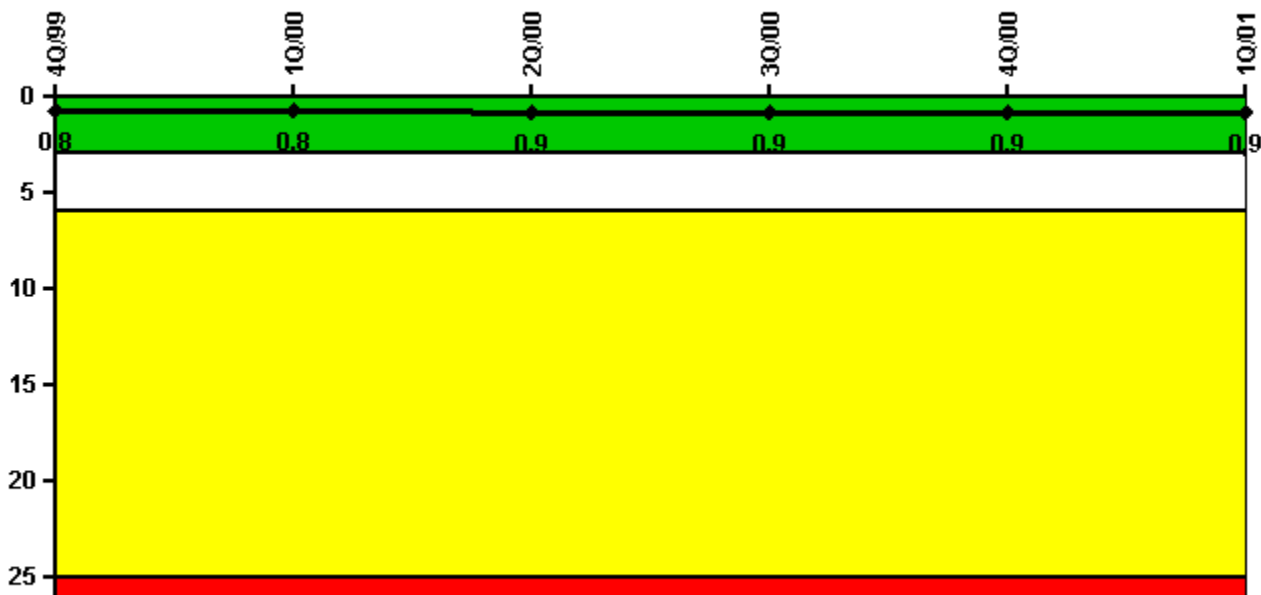


Fermi 2

1Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

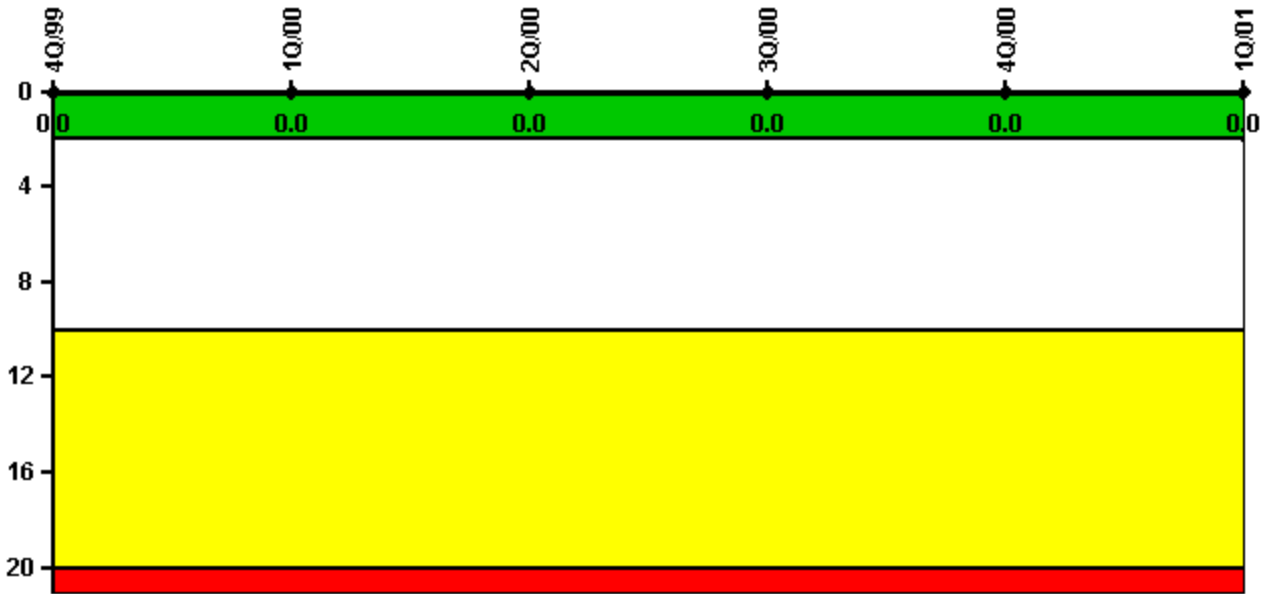
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments:

1Q/01:

Scrams with Loss of Normal Heat Removal



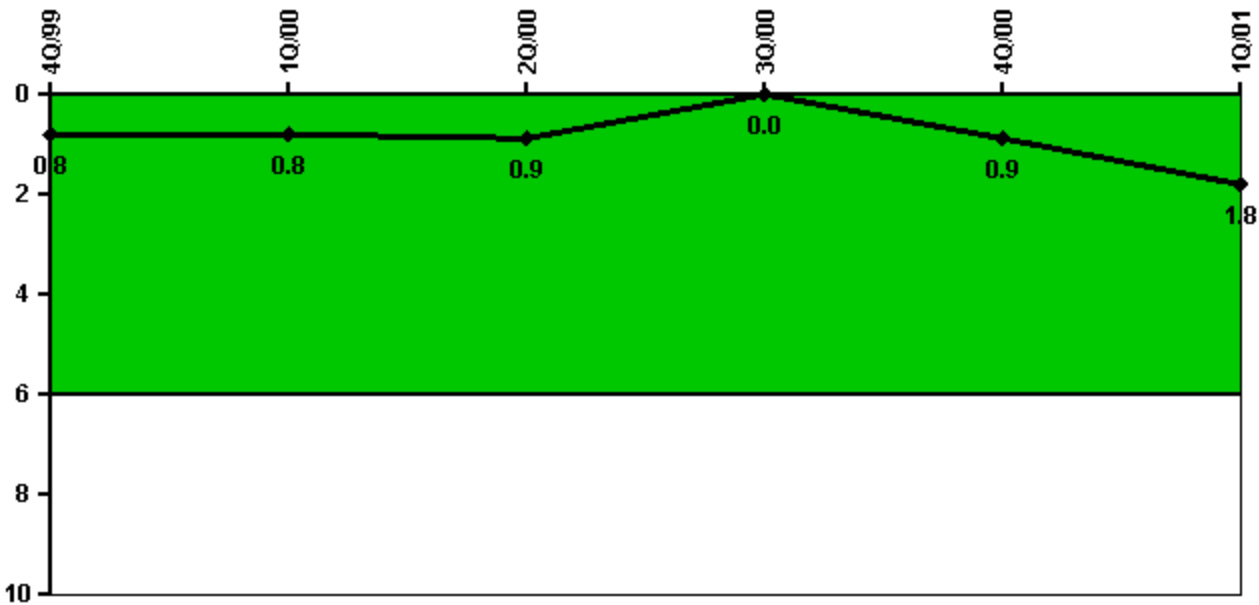
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

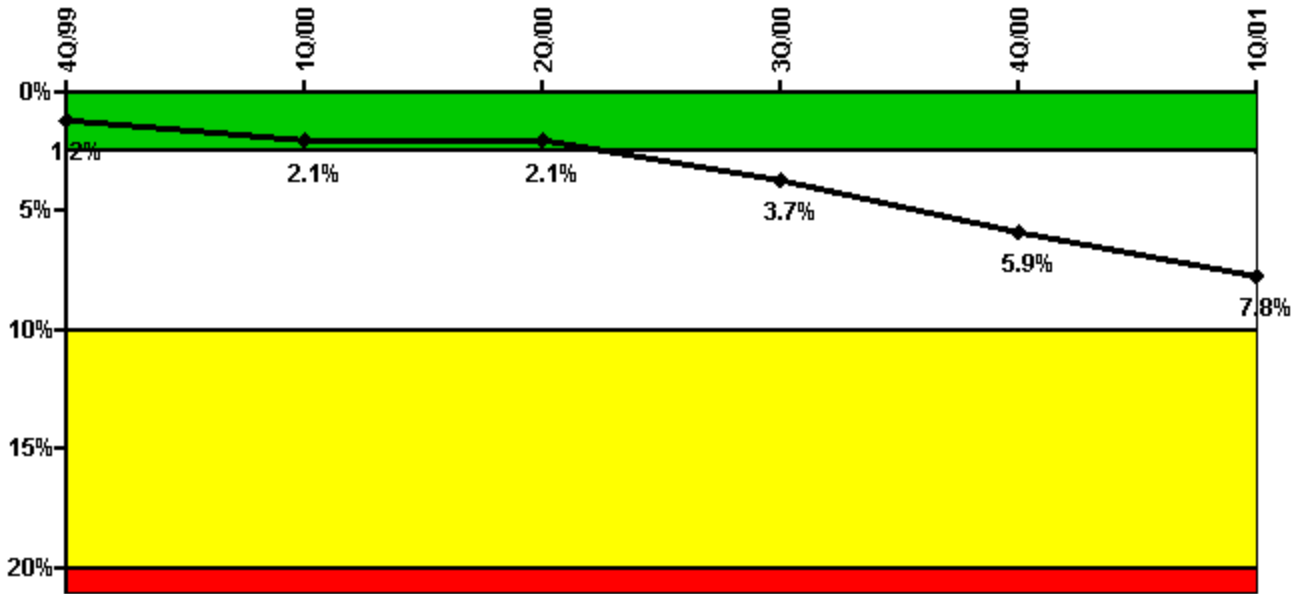
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	1.0	1.0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0
Indicator value	0.8	0.8	0.9	0	0.9	1.8

Licensee Comments:

1Q/01: Unplanned power change to repair High Pressure Feed Water Heater level control system on 3/4/2001

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	8.51	63.03	3.43	9.79	42.19	3.47
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	667.88	32.88	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	10.85	60.73	1.08	5.05	52.24	4.40
Unplanned unavailable hours	0	4.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3						
Planned unavailable hours	5.91	87.41	5.58	6.49	42.56	4.46
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 4						
Planned unavailable hours	6.33	84.73	9.03	0	0	0
Unplanned unavailable hours	14.12	0	0	0	0	192.50
Fault exposure hours	0	0	0	2057.85	2209.00	1918.15
Effective Reset hours	0	0	0	378.10	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.2%	2.1%	2.1%	3.7%	5.9%	7.8%

Licensee Comments:

1Q/01: Added 6185 Emergency Diesel Generator 14 fault exposure hours as a result of generator outboard bearing failure during 24 hour surveillance run on 3/21/2001. Bearing failure root cause is specific to EDG 14 and does not impact the other 3 EDGs. Fault hours based on 1/2 elapsed time since last 24 hour run on 10/23/1999. Fault hours distributed back to July 2000, planned hours during that time frame have been removed {will be restored when fault hours are reset}. All actions in accordance with NEI 99-02 guidance.

3Q/00: 1Q 1998 Fault exposure hours for EDG 14 {Train 4} removed in accordance with NEI 99-02 r.0.

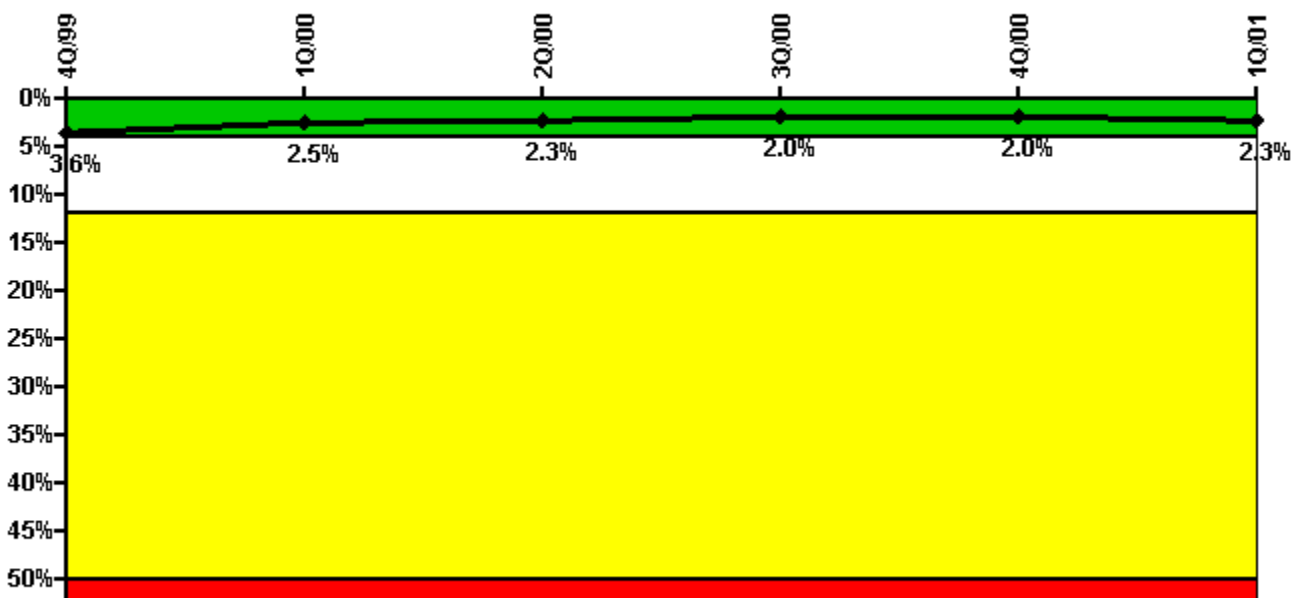
2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

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

Effective Reset Comments:

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)



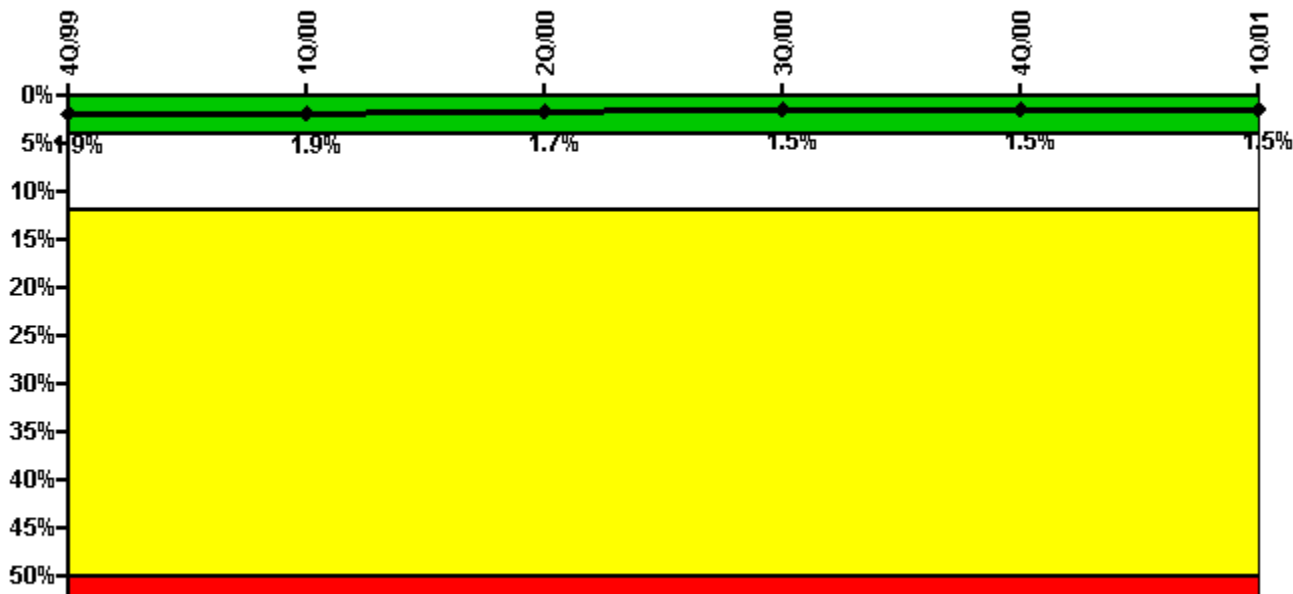
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	9.12	128.19	9.07	9.47	11.25	70.02
Unplanned unavailable hours	0	0.60	0	0	0	27.53
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1095.55	2208.00	2209.00	2160.00
Indicator value	3.6%	2.5%	2.3%	2.0%	2.0%	2.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



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

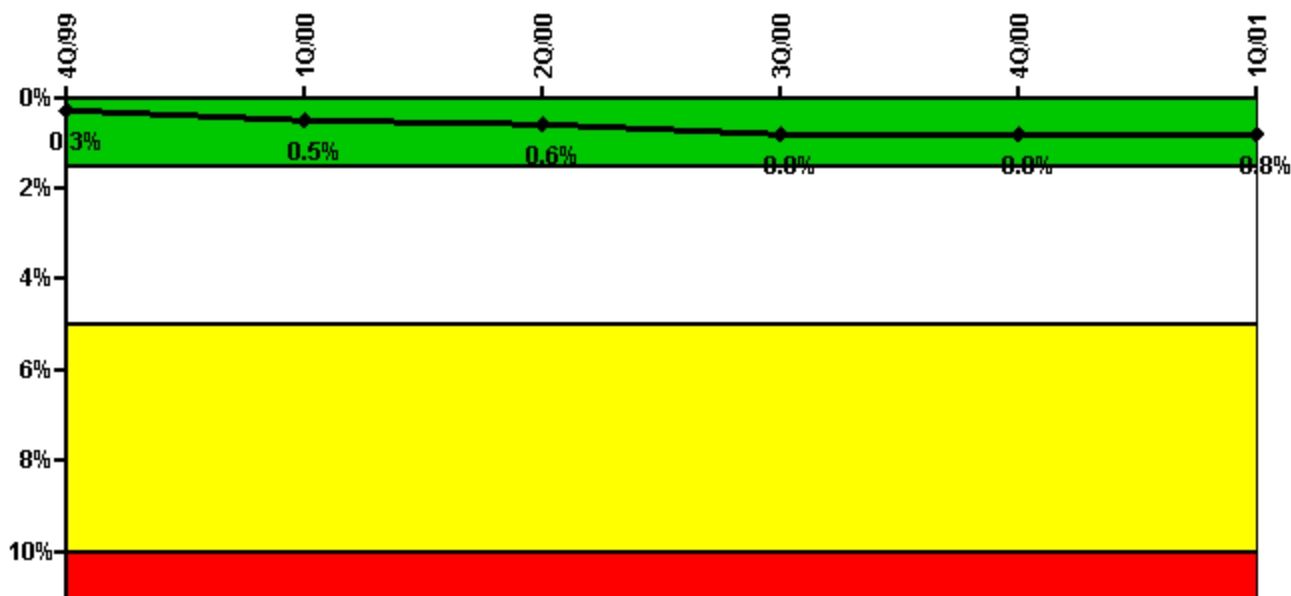
Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	10.50	33.60	5.27	4.13	7.90	1.70
Unplanned unavailable hours	0	9.70	0.40	0	0	9.10
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1095.55	2208.00	2209.00	2160.00
Indicator value	1.9%	1.9%	1.7%	1.5%	1.5%	1.5%

Licensee Comments:

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

Safety System Unavailability, Residual Heat Removal System



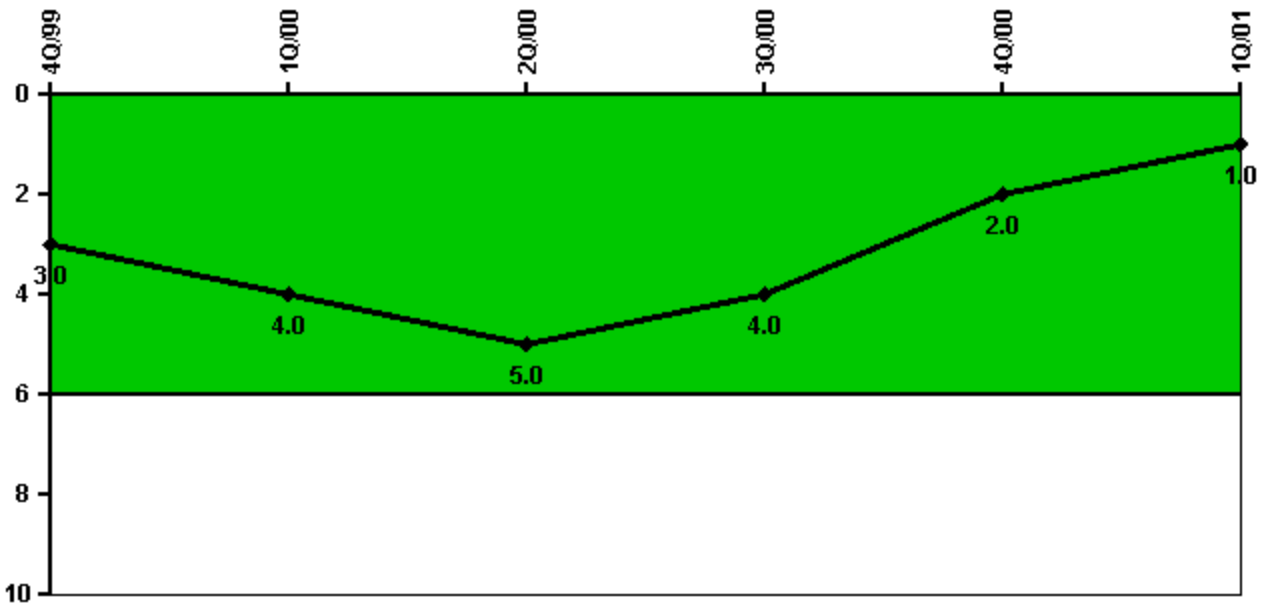
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0.98	33.00	0	39.70	1.47	2.88
Unplanned unavailable hours	0	9.01	0	0.08	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	2.00	32.13	54.27	0.88	1.53	1.87
Unplanned unavailable hours	0	0.13	0	100.40	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.3%	0.5%	0.6%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Functional Failures (BWR)



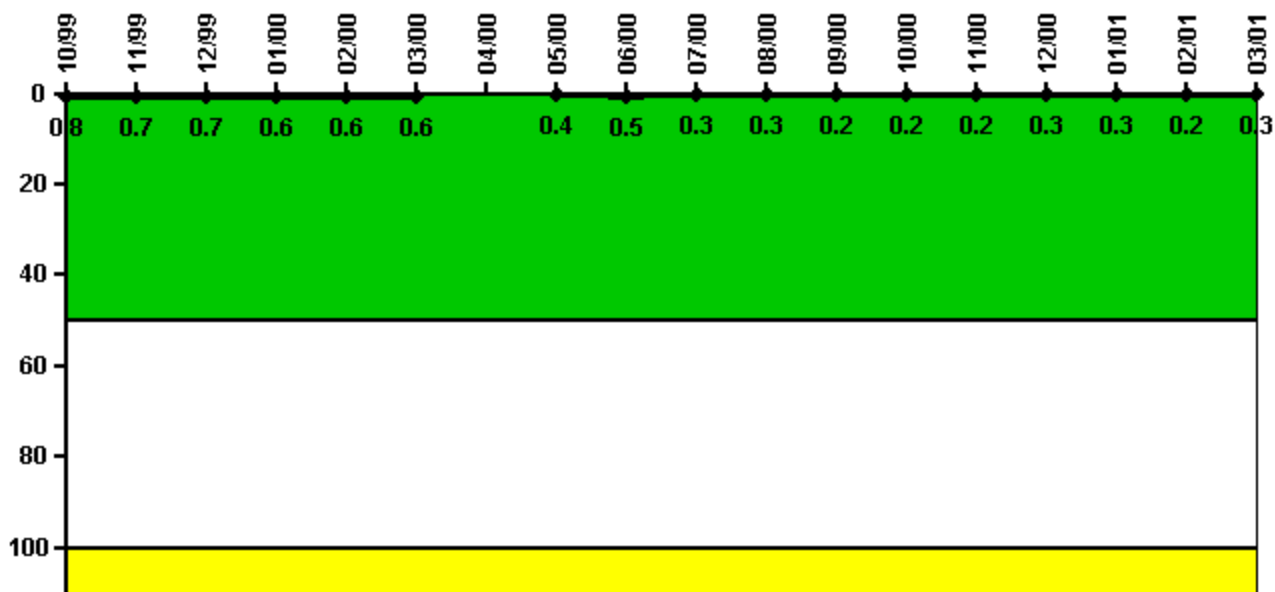
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

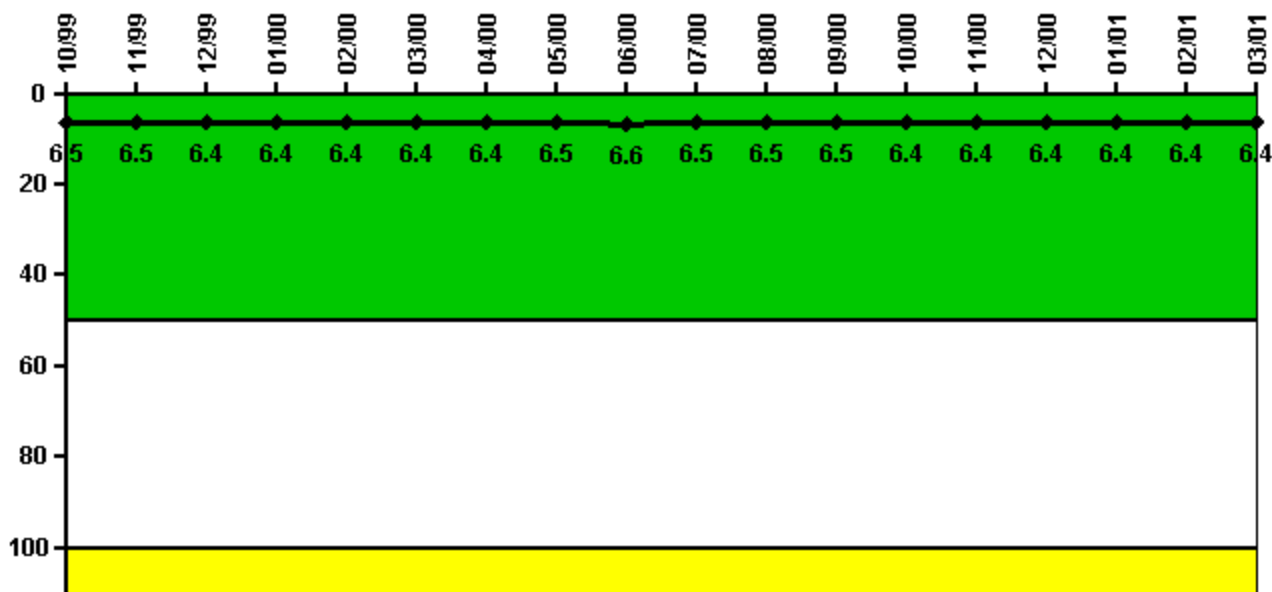
Notes

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	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492
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	0.8	0.7	0.7	0.6	0.6	0.6	N/A	0.4	0.5	0.3	0.3	0.2

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.3	0.3	0.2	0.3

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

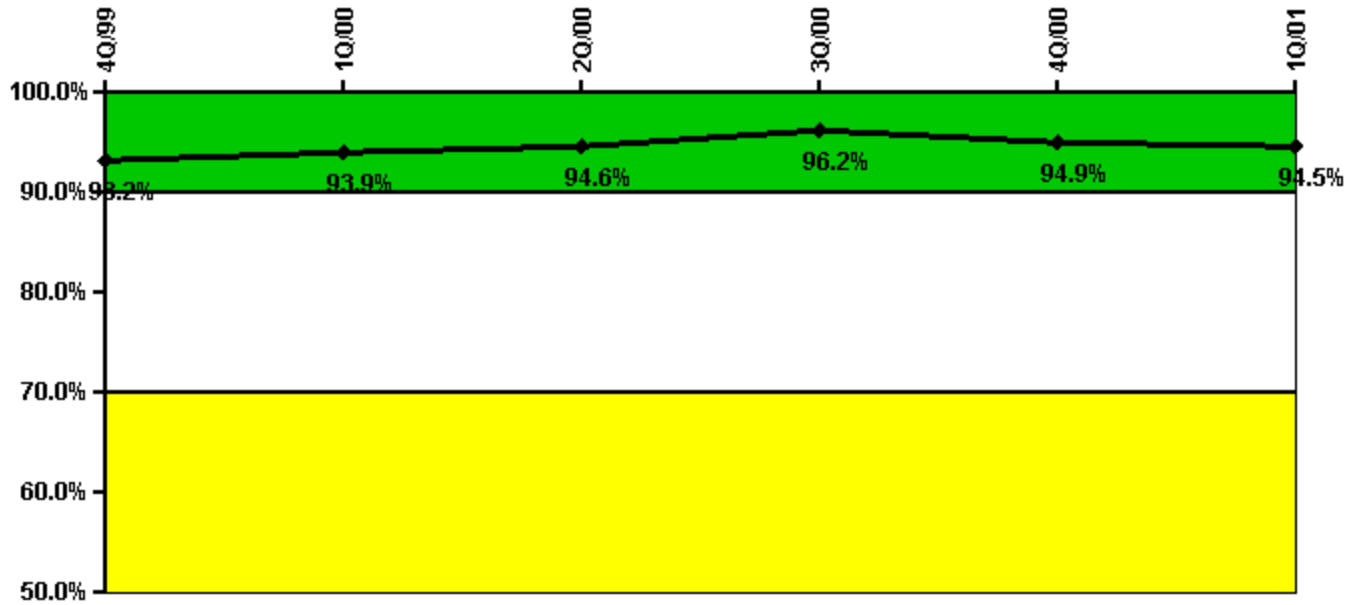
Notes

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

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.4	6.4	6.4	6.4	6.4	6.4

Licensee Comments: none

Drill/Exercise Performance



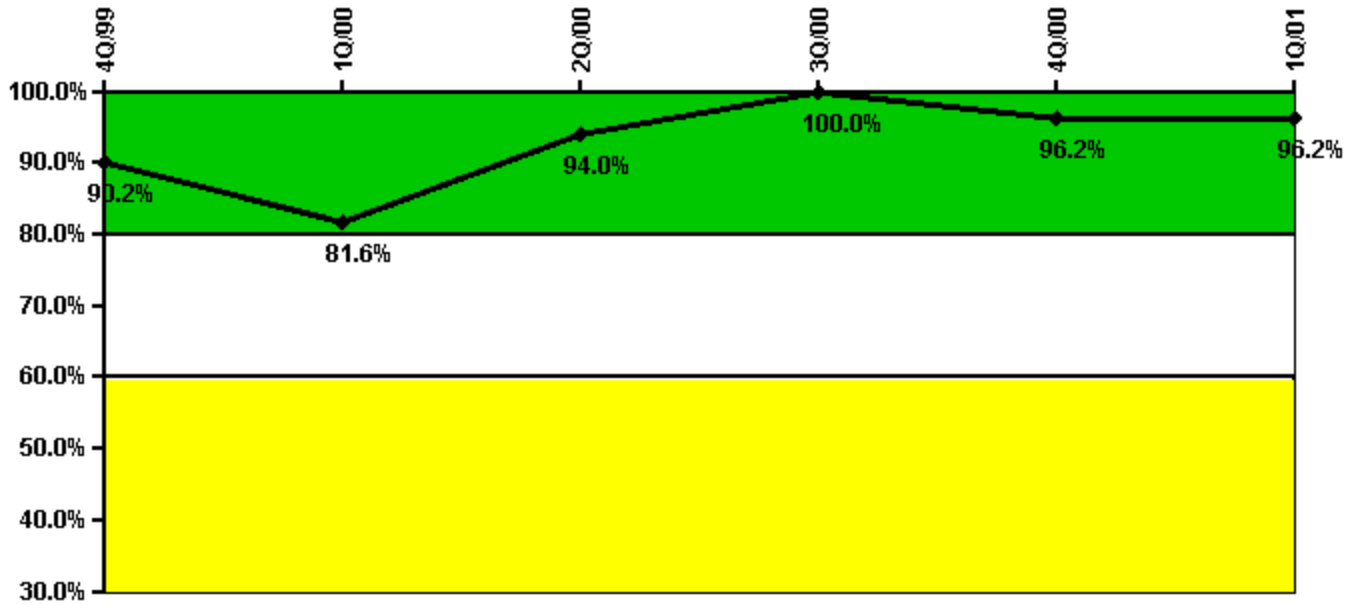
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	10.0	0	38.0	56.0	51.0	21.0
Total opportunities	10.0	0	38.0	57.0	56.0	23.0
Indicator value	93.2%	93.9%	94.6%	96.2%	94.9%	94.5%

Licensee Comments: none

ERO Drill Participation



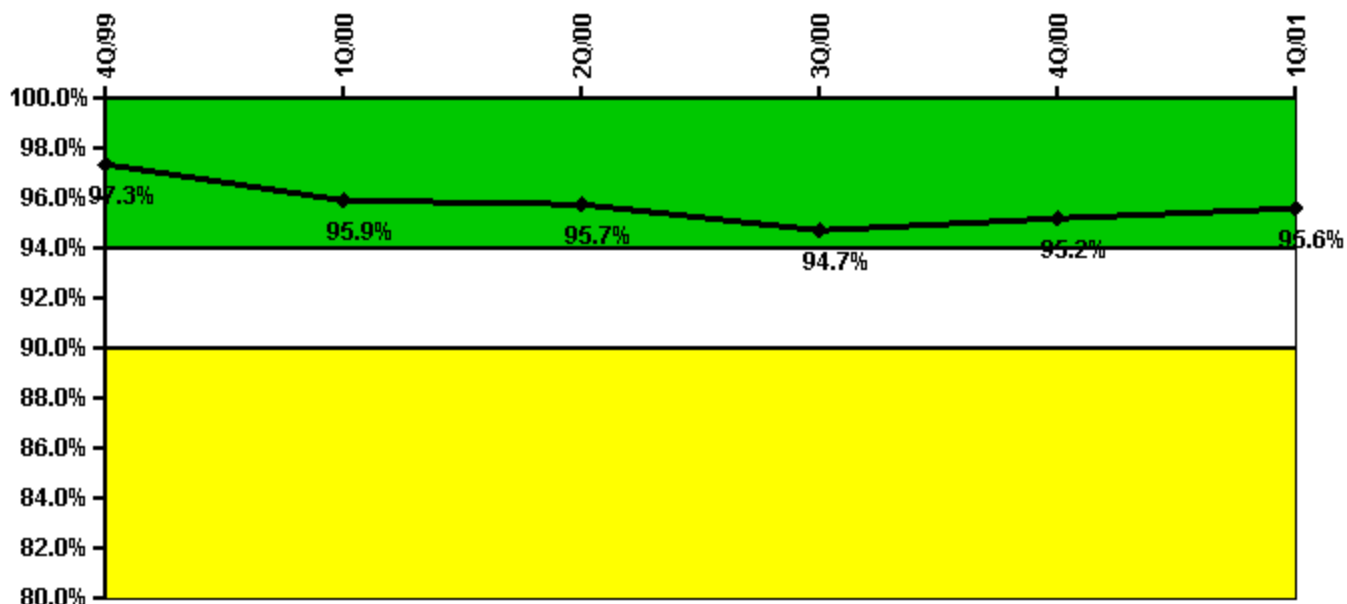
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	46.0	40.0	47.0	52.0	51.0	51.0
Total Key personnel	51.0	49.0	50.0	52.0	53.0	53.0
Indicator value	90.2%	81.6%	94.0%	100.0%	96.2%	96.2%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

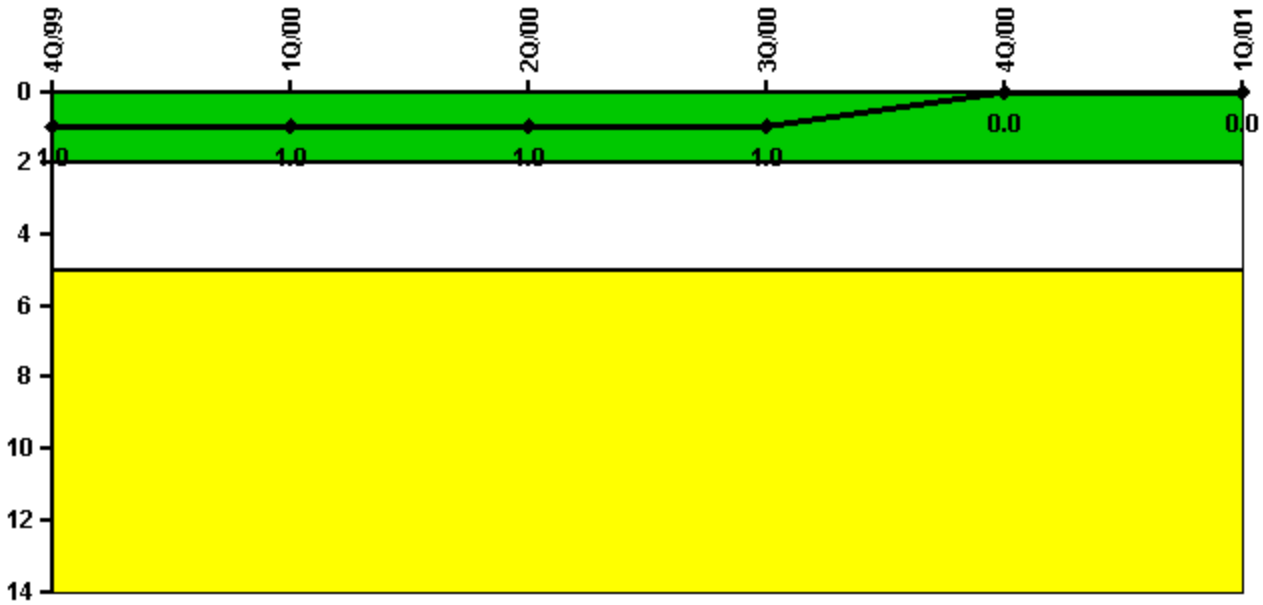
Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	163	337	343	330	338	342
Total sirens-tests	177	354	354	354	354	354
Indicator value	97.3%	95.9%	95.7%	94.7%	95.2%	95.6%

Licensee Comments:

1Q/01: March 2000 Successful Tests revised from 113 to 112, May 2000 Successful Tests revised from 112 to 113 based on audit of test results. Changes do not affect indicator status.

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
High radiation area occurrences	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



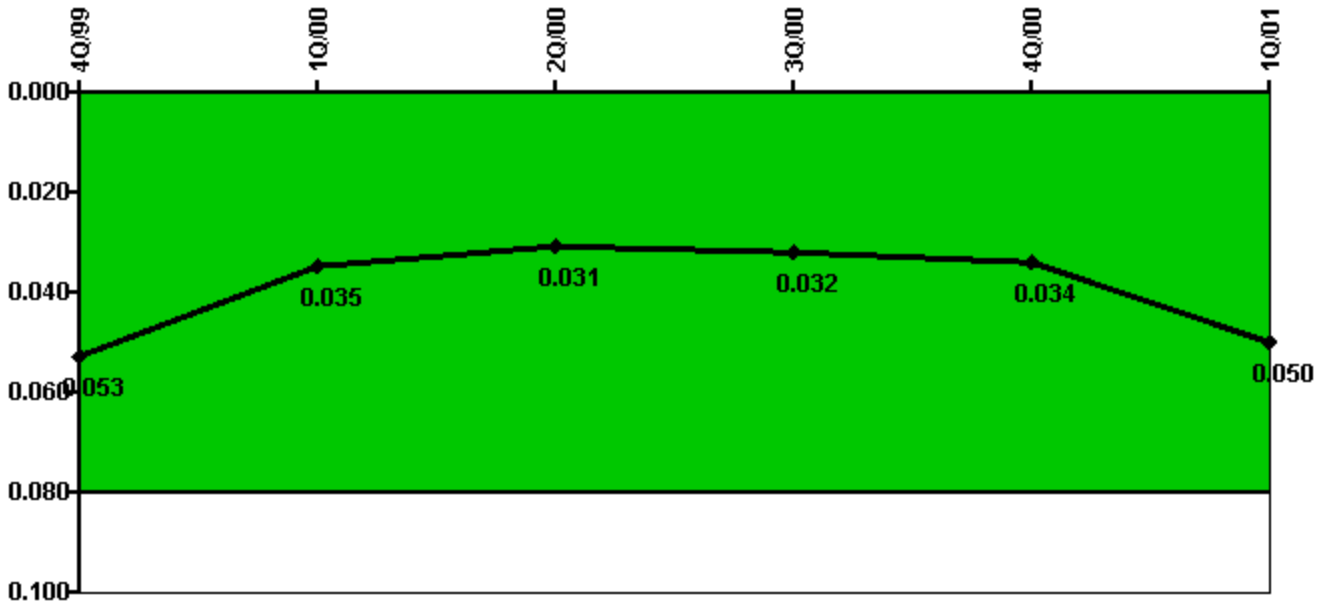
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	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
IDS compensatory hours	315.12	232.30	145.16	379.60	180.50	417.17
CCTV compensatory hours	0.2	0.1	1.0	0	98.6	188.1
IDS normalization factor	1.90	1.92	1.92	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.053	0.035	0.031	0.032	0.034	0.050

Licensee Comments: none

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
Program failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 28, 2002