

Waterford 3

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



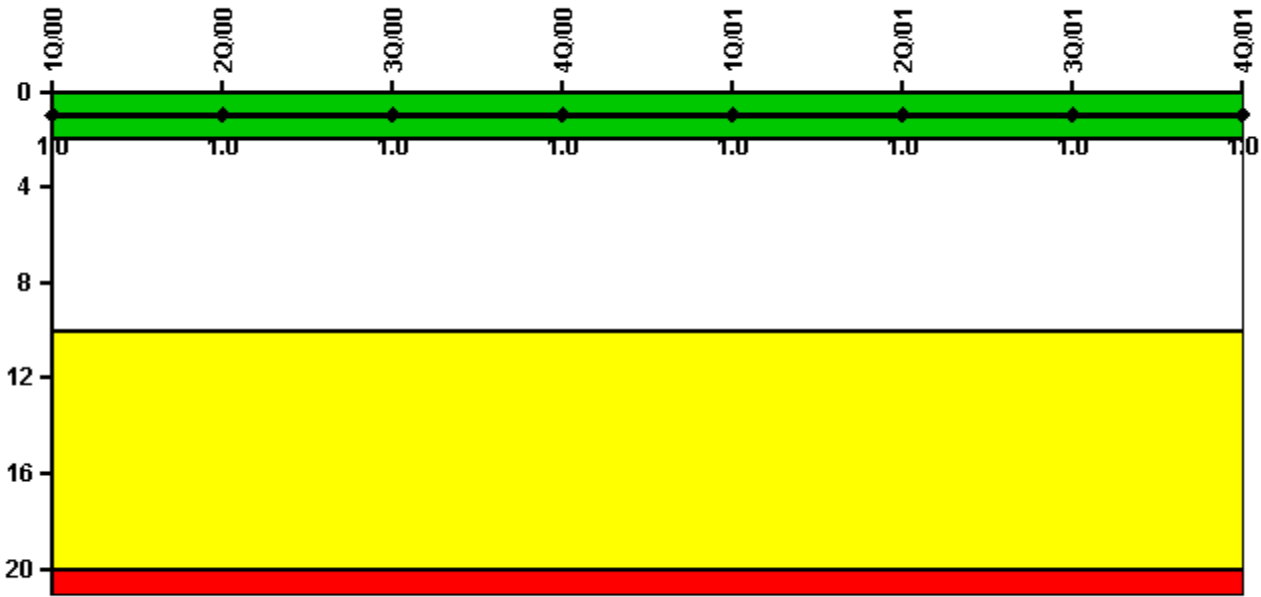
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2149.4	2029.6	2208.0	1410.7	2127.0	2183.0	2208.0	2209.0
Indicator value	2.7	1.8	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



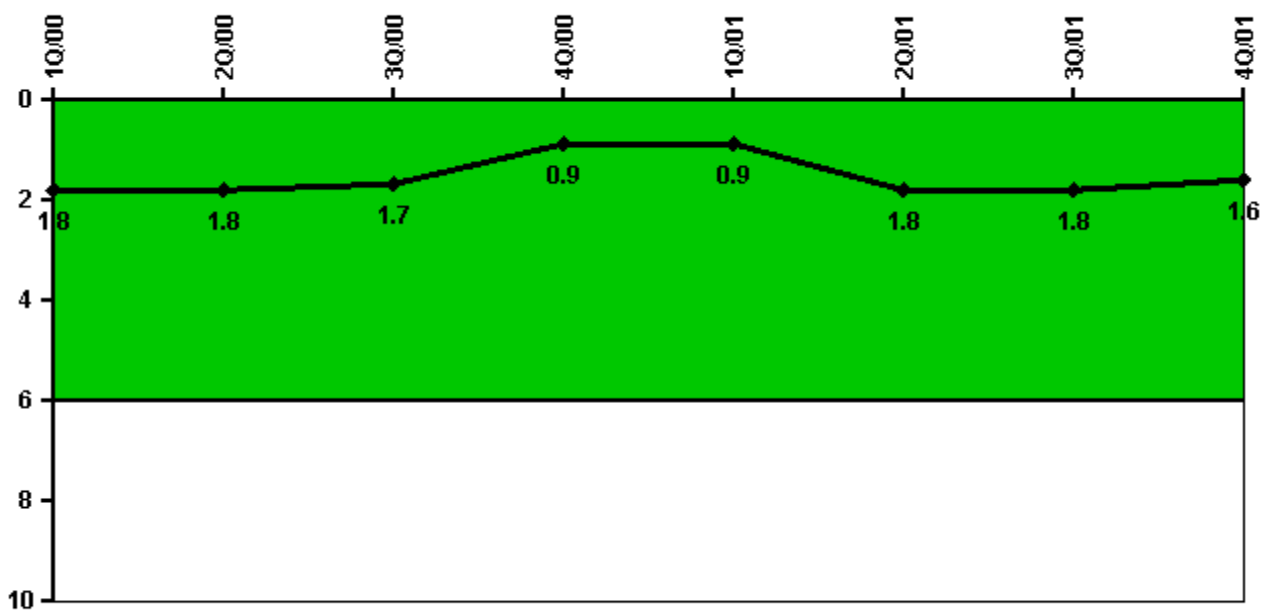
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



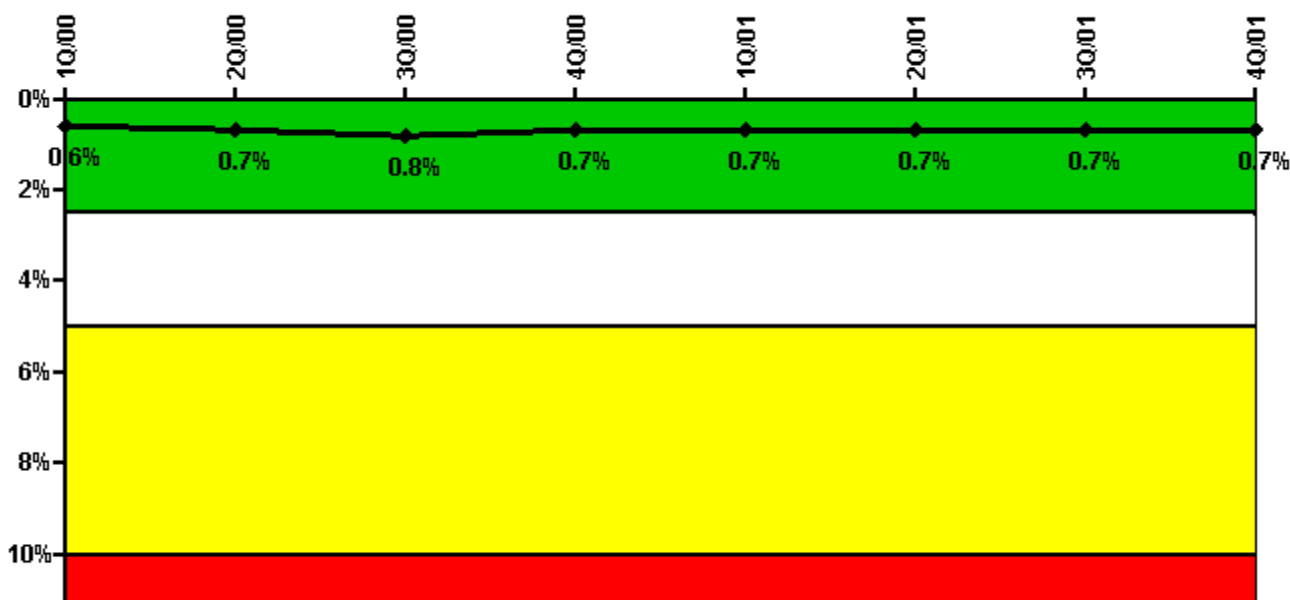
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	1.0	0	0	0	1.0	1.0	0	0
Critical hours	2149.4	2029.6	2208.0	1410.7	2127.0	2183.0	2208.0	2209.0
Indicator value	1.8	1.8	1.7	0.9	0.9	1.8	1.8	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



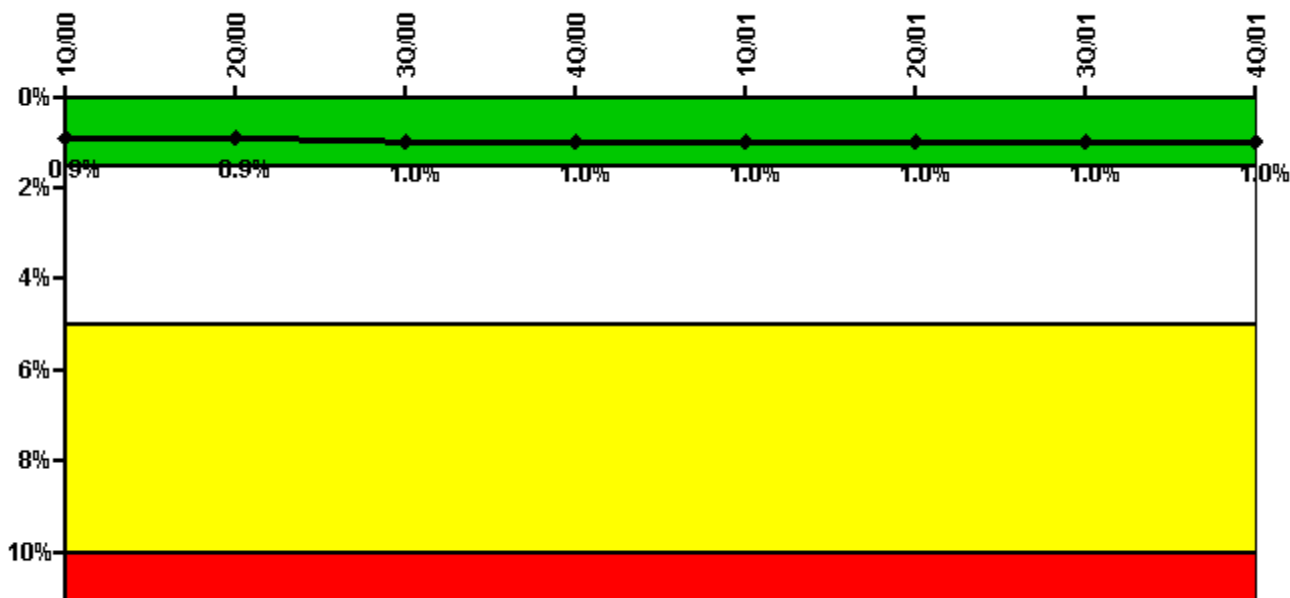
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	16.30	13.45	3.88	0	0	0	0	5.68
Unplanned unavailable hours	59.64	0.63	21.55	3.50	2.60	0	16.33	47.48
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	19.42	4.11	2.52	3.98	2.65	1.50	0	1.92
Unplanned unavailable hours	0	4.52	9.22	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	0.6%	0.7%	0.8%	0.7%	0.7%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



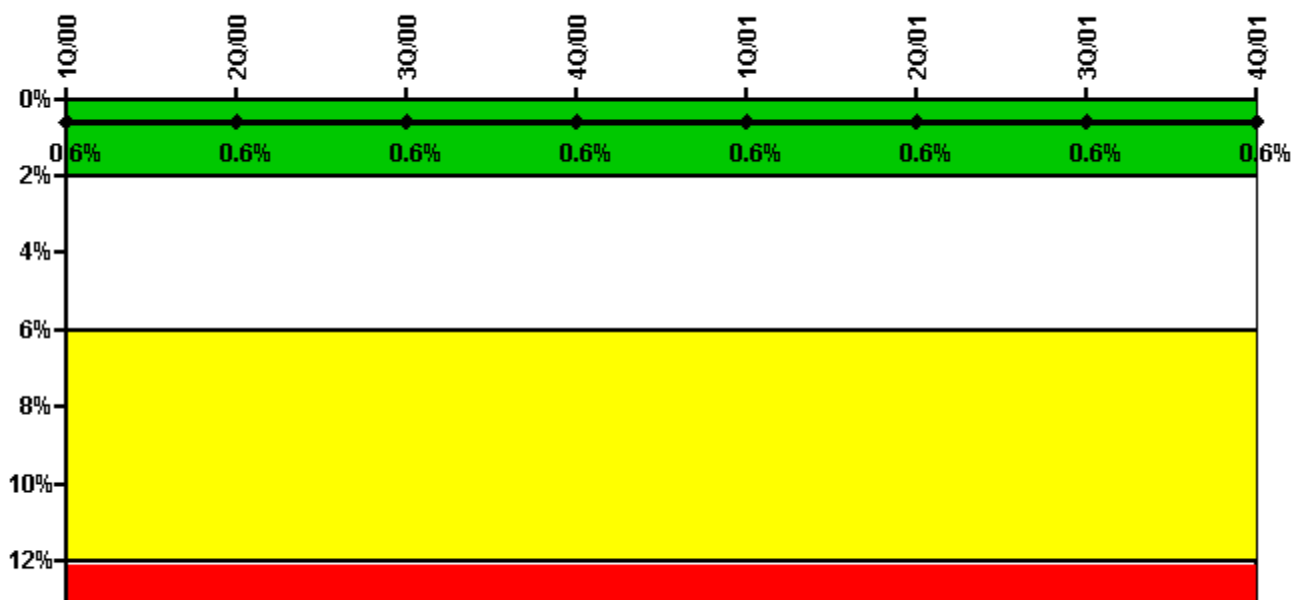
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	21.42	13.45	18.43	1.65	2.53	1.00	22.43	14.38
Unplanned unavailable hours	59.64	0.63	21.55	3.50	5.40	0	0.58	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	2149.40	2029.60	2208.00	1410.60	2127.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	19.69	48.63	2.33	3.98	2.65	1.72	0	0
Unplanned unavailable hours	0	0	9.22	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	2149.40	2029.60	2208.00	1410.60	2127.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



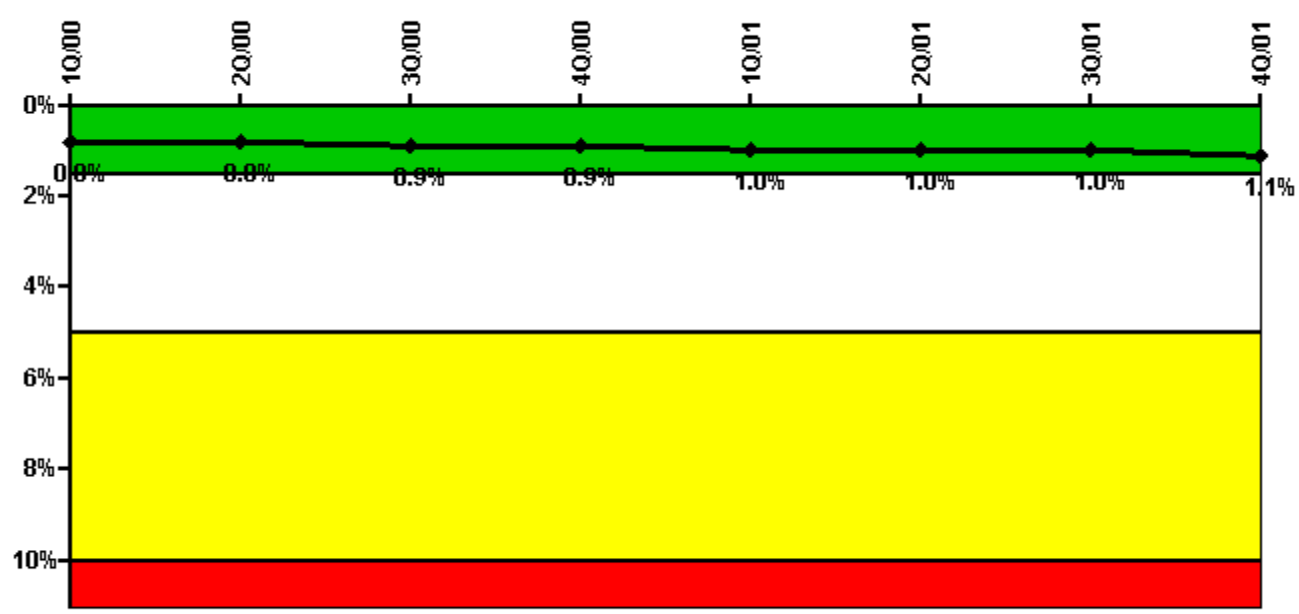
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	36.00	13.45	3.88	0	0	0	11.00	14.38
Unplanned unavailable hours	59.64	0.63	21.55	3.50	2.60	0	0.58	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	2166.30	2053.80	2208.00	1457.60	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	19.42	12.58	0	3.98	2.65	1.50	8.38	0.32
Unplanned unavailable hours	0	0	9.22	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	2166.30	2053.80	2208.00	1457.60	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0	0	0.22	0	0	7.90	0	0
Unplanned unavailable hours	0	0	0	0	0	0.87	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	2166.30	2053.80	2208.00	1457.60	2160.00	2183.00	2208.00	2209.00
Indicator value	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



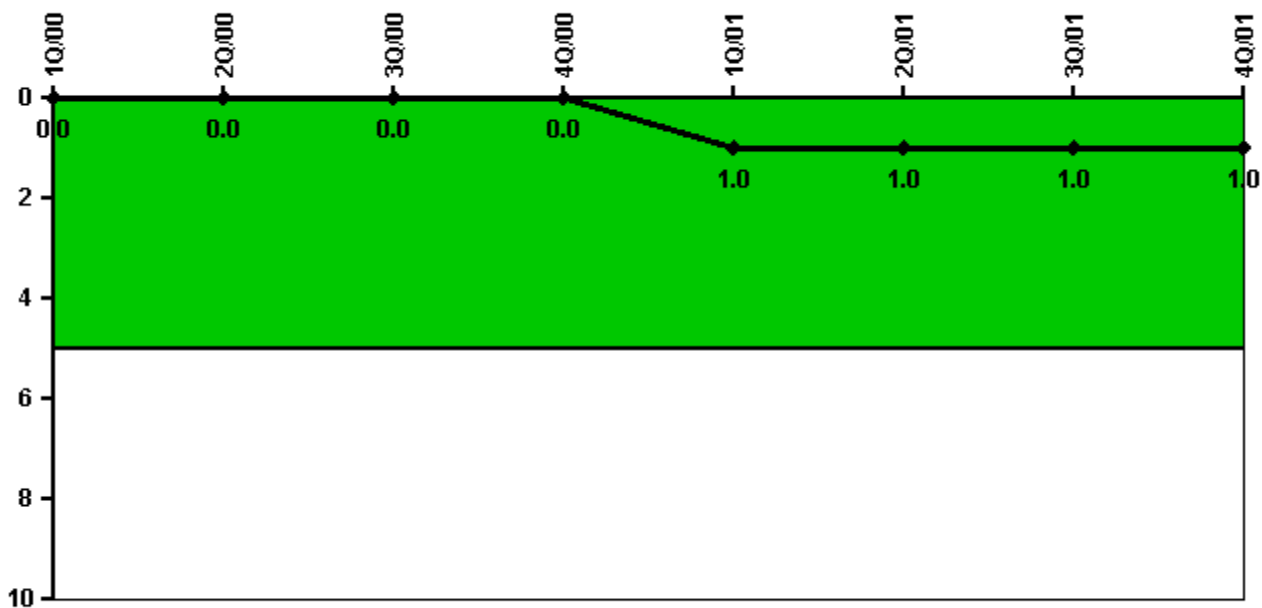
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	16.30	14.68	18.91	2.45	0	0	0	14.38
Unplanned unavailable hours	59.64	0.63	21.85	3.50	2.60	0	0.58	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	2053.80	2208.00	1457.60	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	33.98	5.18	0.92	5.03	2.65	1.50	0	18.52
Unplanned unavailable hours	0	0	9.22	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	2053.80	2208.00	1457.60	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	16.30	0	0	0	0	0	0	0
Unplanned unavailable hours	59.64	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	129.20	0	549.20	0	0	0	0
Train 4								
Planned unavailable hours	33.98	0	0	0	0	0	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	129.20	0	549.20	0	0	0	0
Indicator value	0.8%	0.8%	0.9%	0.9%	1.0%	1.0%	1.0%	1.1%

Licensee Comments: none

Safety System Functional Failures (PWR)



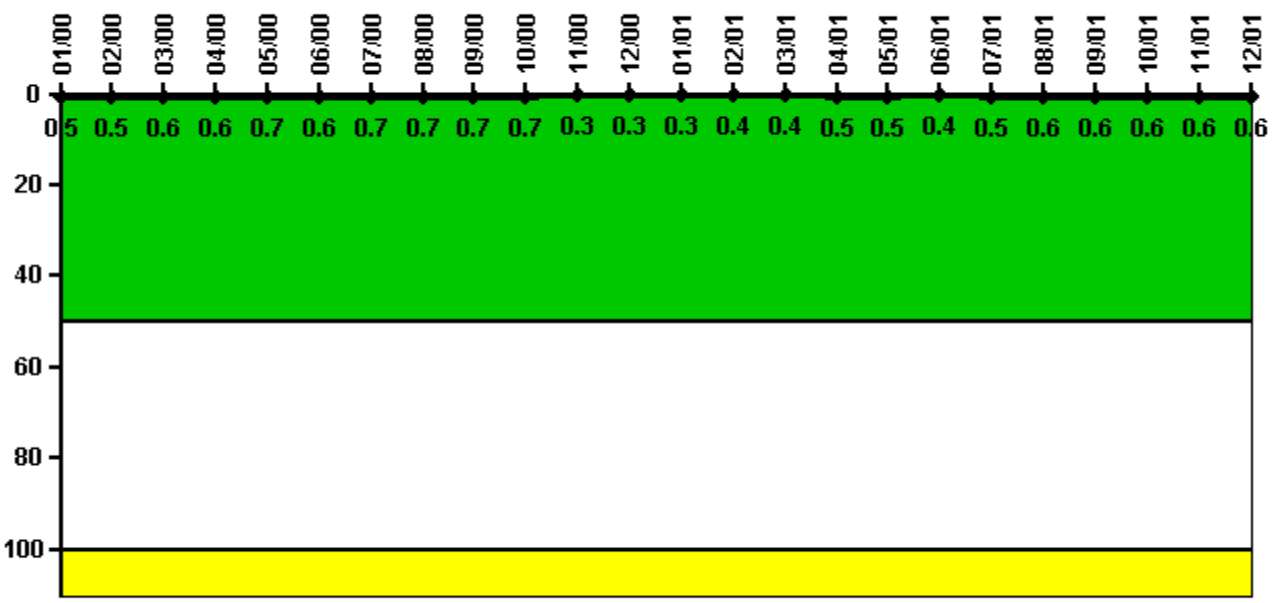
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

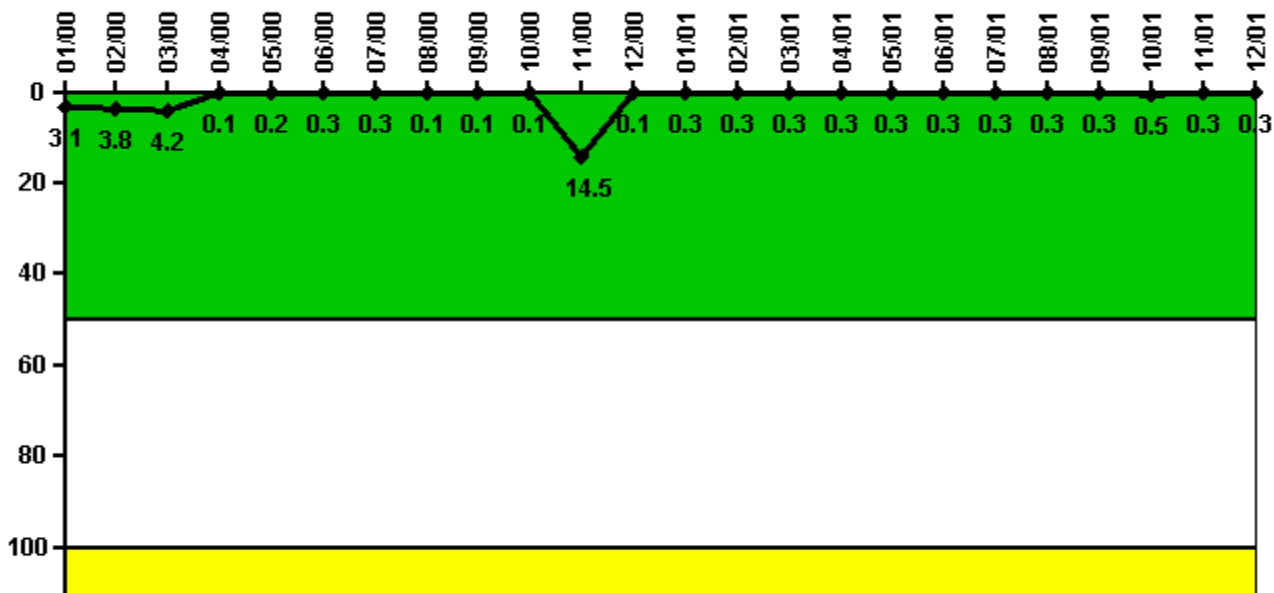
Notes

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	0.005010	0.005360	0.005890	0.005910	0.007120	0.006470	0.007090	0.006960	0.006990	0.007100	0.002710	0.003120
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	0.5	0.5	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.3	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	0.003460	0.004220	0.004250	0.004500	0.004500	0.004280	0.005040	0.005940	0.005670	0.005640	0.005650	0.005870
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	0.3	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.6

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

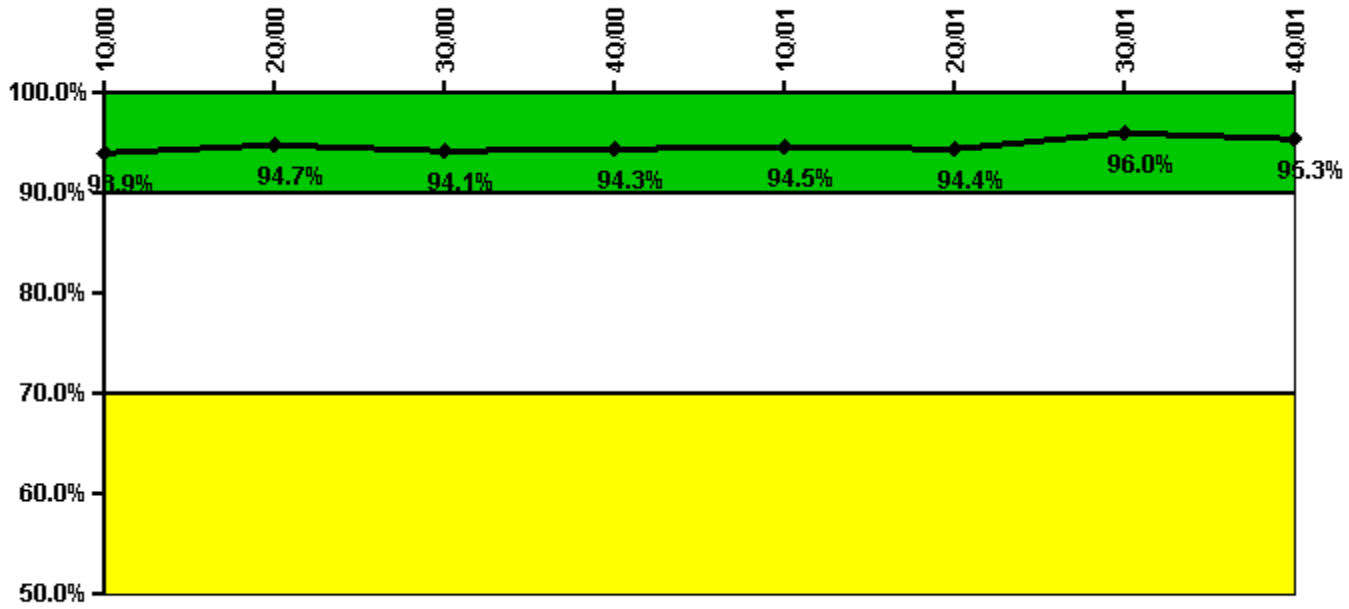
Notes

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	0.308	0.381	0.420	0.014	0.020	0.028	0.027	0.014	0.014	0.014	1.452	0.014
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	3.1	3.8	4.2	0.1	0.2	0.3	0.3	0.1	0.1	0.1	14.5	0.1

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	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.051	0.028	0.027
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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



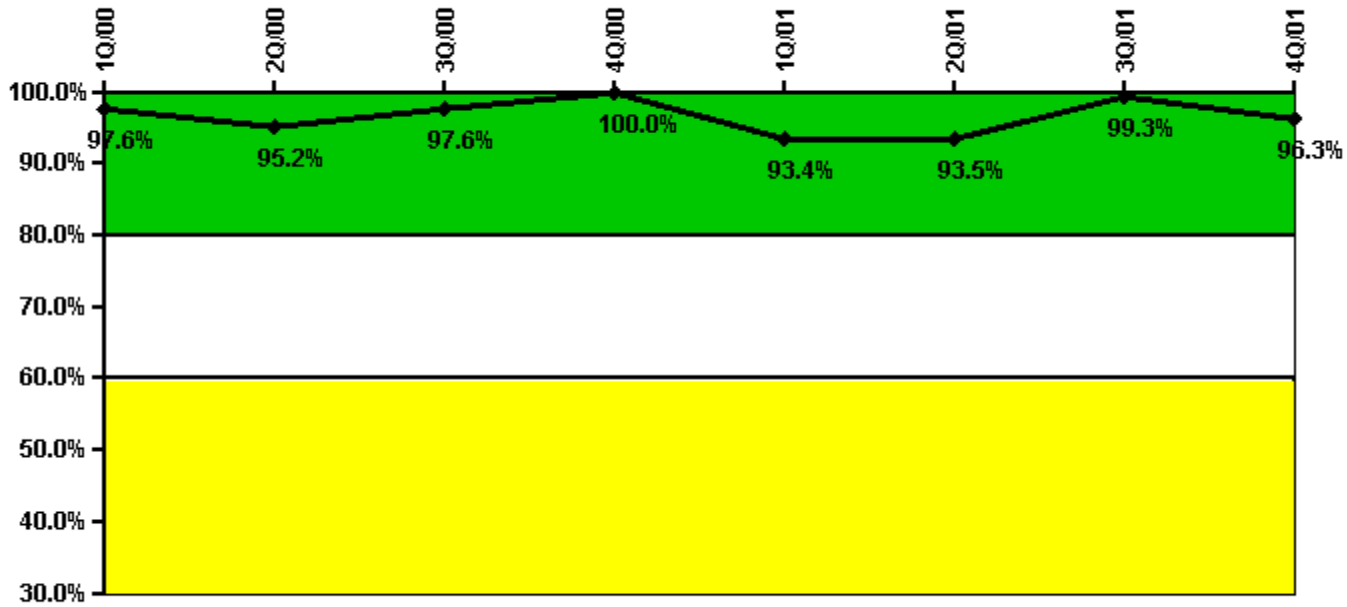
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	51.0	62.0	46.0	10.0	12.0	20.0	21.0	43.0
Total opportunities	54.0	64.0	50.0	10.0	12.0	20.0	22.0	46.0
Indicator value	93.9%	94.7%	94.1%	94.3%	94.5%	94.4%	96.0%	95.3%

Licensee Comments: none

ERO Drill Participation



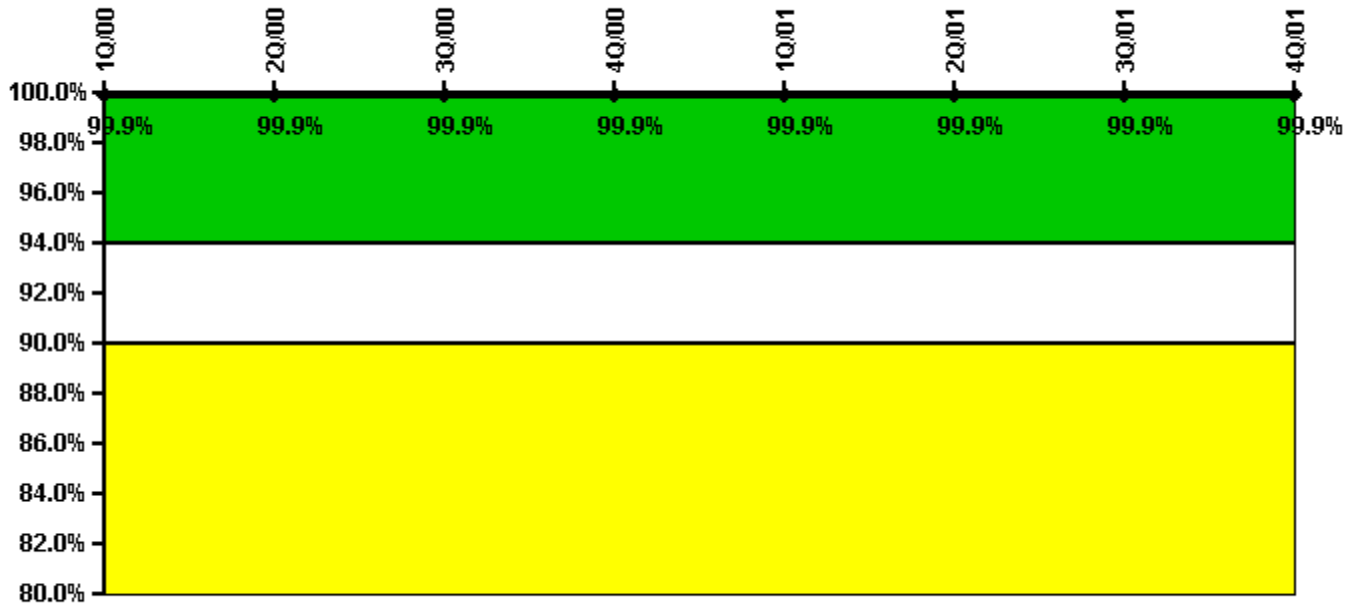
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	120.0	118.0	121.0	122.0	128.0	129.0	135.0	130.0
Total Key personnel	123.0	124.0	124.0	122.0	137.0	138.0	136.0	135.0
Indicator value	97.6%	95.2%	97.6%	100.0%	93.4%	93.5%	99.3%	96.3%

Licensee Comments: none

Alert & Notification System



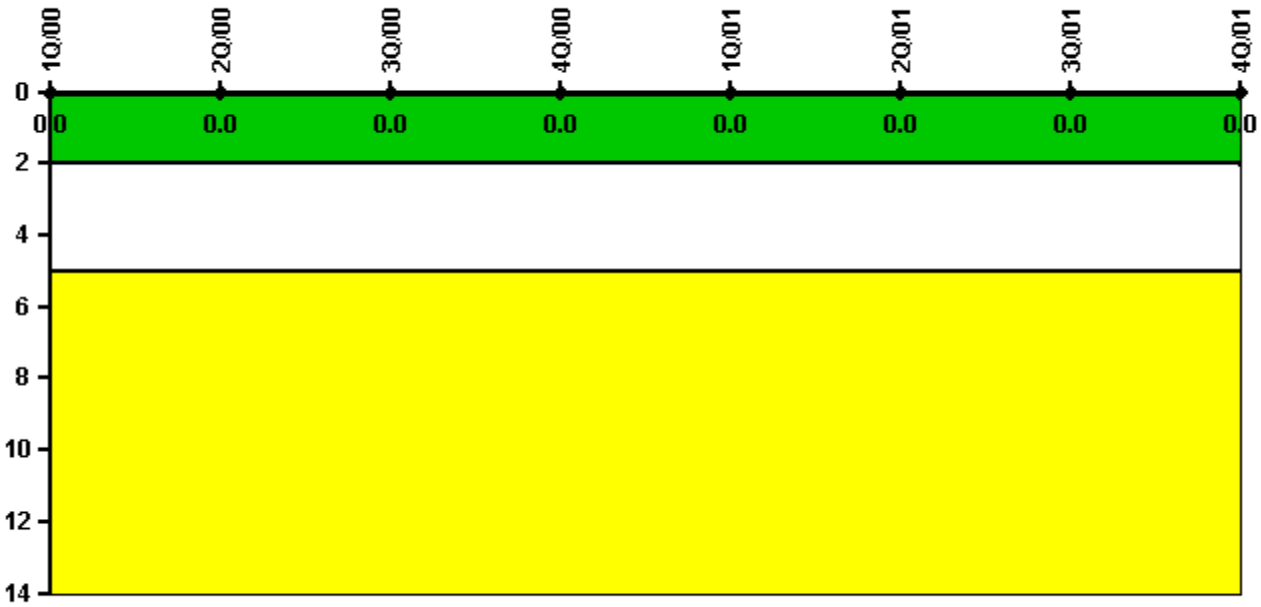
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	405	402	401	402	402	402	401	401
Total sirens-tests	406	402	402	402	402	402	402	402
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

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	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



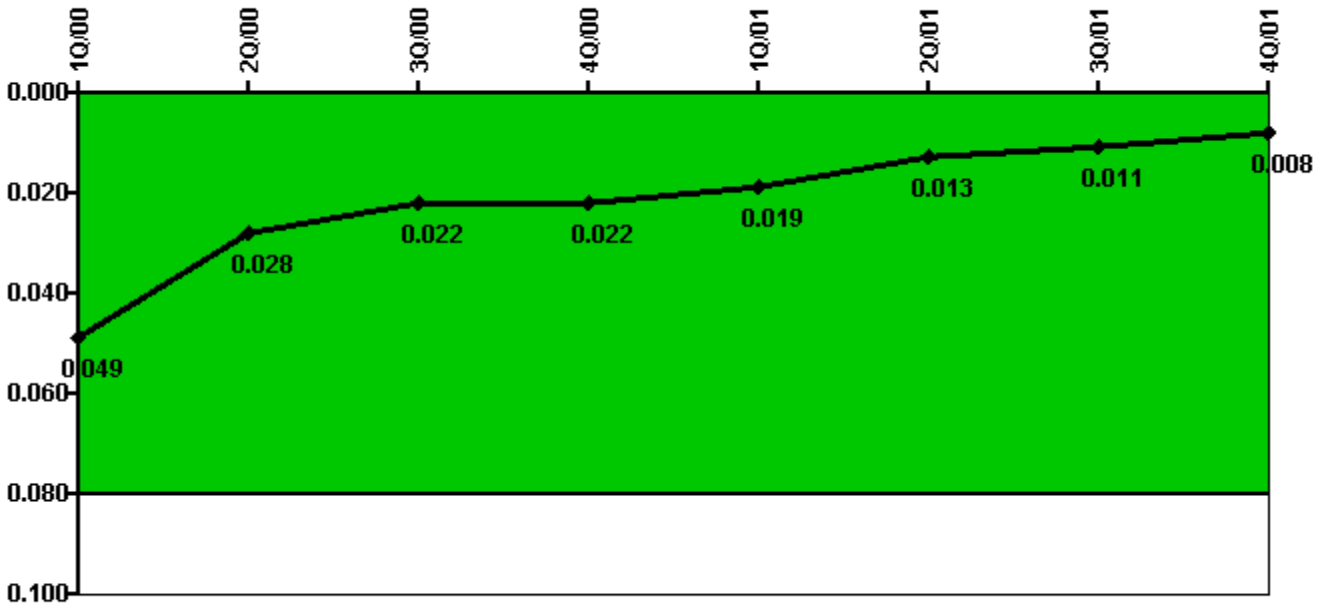
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	69.46	181.70	43.60	25.70	18.60	65.40	8.60	8.70
CCTV compensatory hours	18.4	15.0	19.7	53.1	9.9	5.9	31.3	14.8
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.049	0.028	0.022	0.022	0.019	0.013	0.011	0.008

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

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Last Modified: March 15, 2002