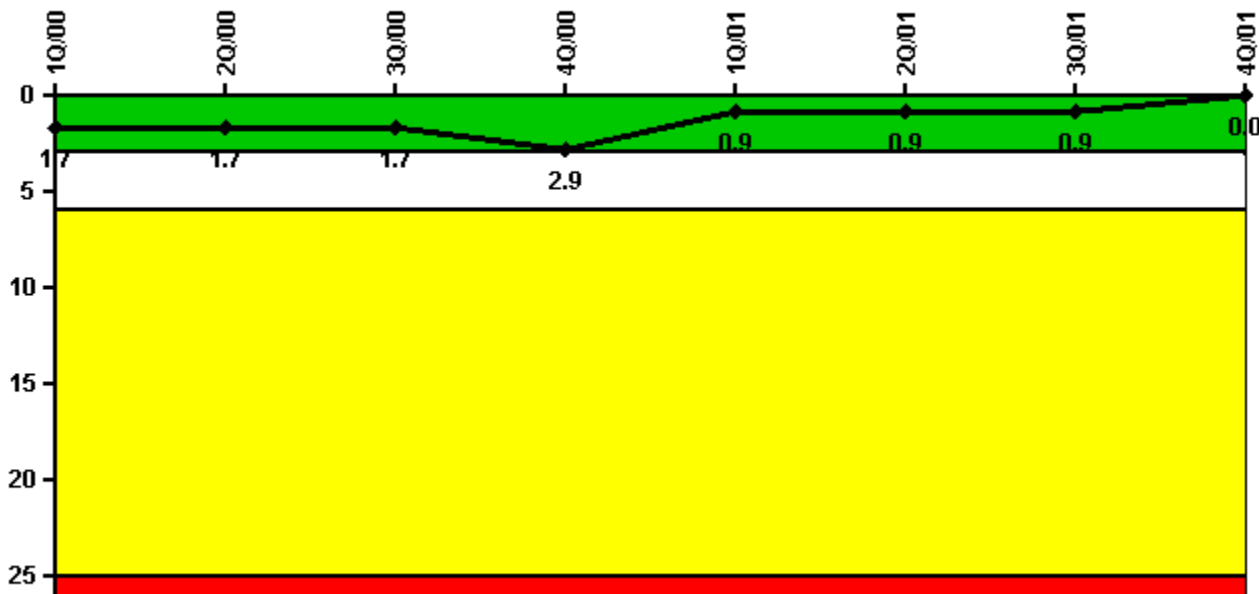


Oyster Creek

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

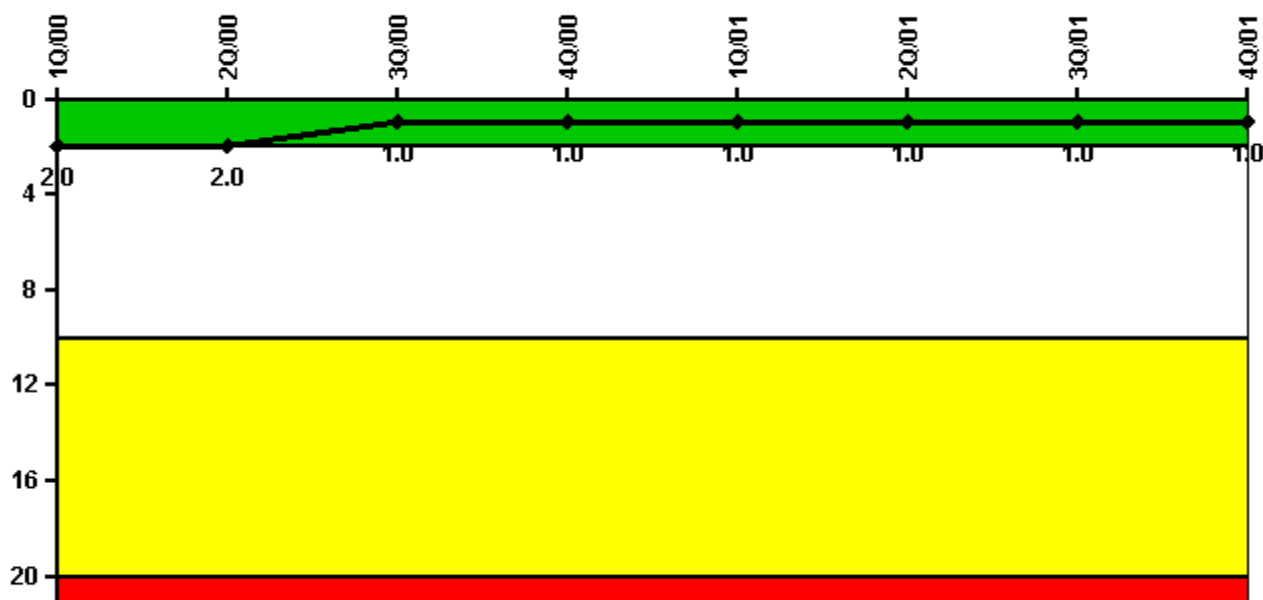
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	2.0	0	0	1.0	0	0	0	0
Critical hours	1620.3	2183.0	2105.4	1411.1	2160.0	2130.1	2208.0	2048.7
Indicator value	1.7	1.7	1.7	2.9	0.9	0.9	0.9	0

Licensee Comments:

4Q/01: Due to a failed cable on 11/11/2001 supplying the 480 VAC system, a normal reactor shutdown was conducted. An entry to the PIs was made in IE03.

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

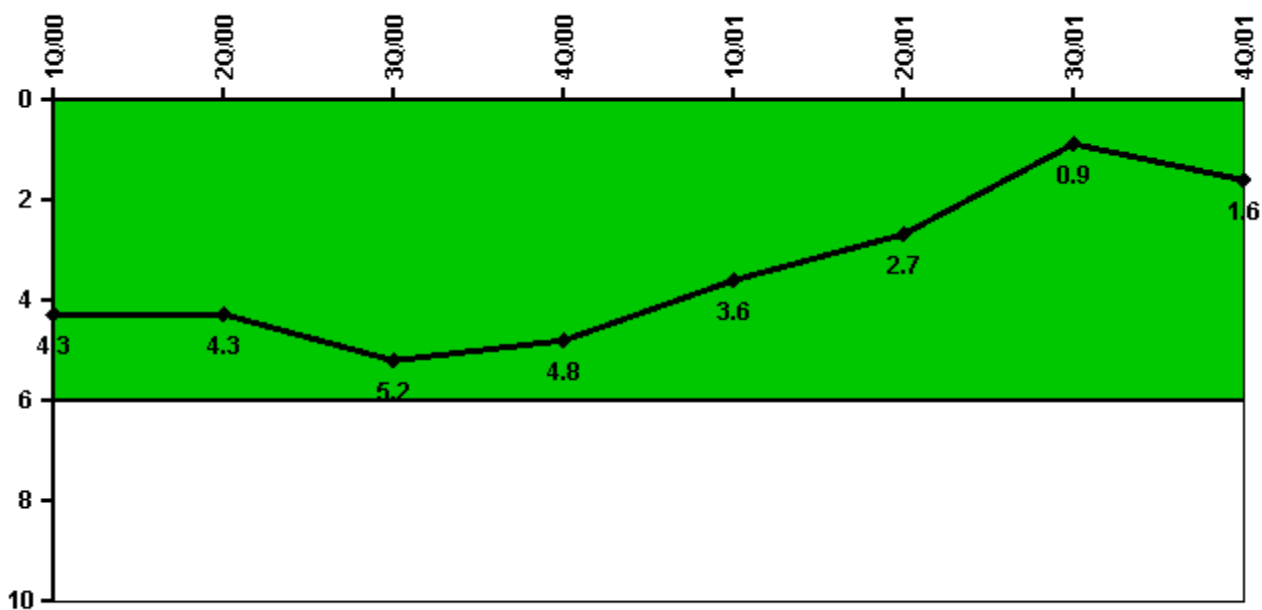
Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments:

4Q/01: Due to a failed cable on 11/11/2001 supplying the 480 VAC system, a normal reactor shutdown was conducted. An entry to the PIs was made in IE03.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

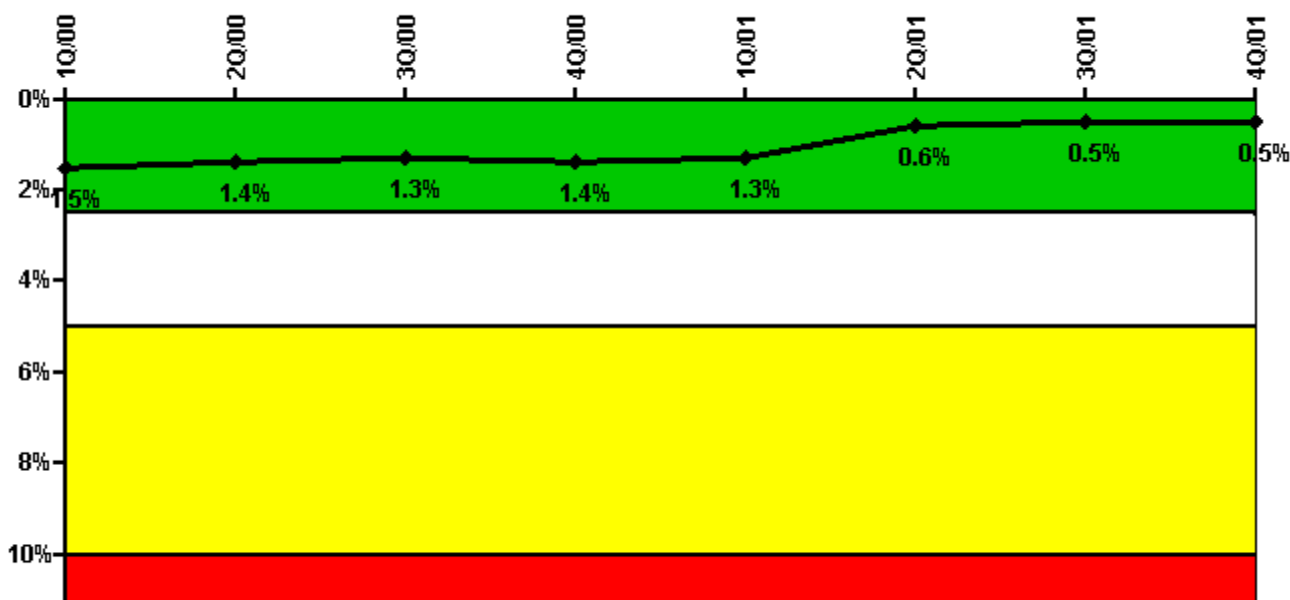
Notes

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	2.0	1.0	2.0	0	1.0	0	0	1.0
Critical hours	1620.3	2183.0	2105.4	1411.1	2160.0	2130.1	2208.0	2048.7
Indicator value	4.3	4.3	5.2	4.8	3.6	2.7	0.9	1.6

Licensee Comments:

4Q/01: Due to a failed cable on 11/11/2001 supplying the 480 VAC system, a normal reactor shutdown was conducted.

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	0	0	11.42	0	9.22	0	12.57
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	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	24.98	0	0	0	7.40	0	16.00	0
Unplanned unavailable hours	0	0	0	0	0	13.43	53.24	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	1.5%	1.4%	1.3%	1.4%	1.3%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System

**Not applicable due to
unique design
characteristics.
Performance in this area
will be assessed through
focused NRC inspection
efforts.**

Notes

Safety System Unavailability, High Pressure Injection System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	82.68	29.88	11.23	9.70	10.20	15.45	10.20	10.90
Unplanned unavailable hours	26.38	0	0	0	0	0.75	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	1722.71	2183.00	2120.90	1444.20	2160.00	2139.60	2208.00	2065.00
Train 2								
Planned unavailable hours	34.86	53.97	24.31	11.40	11.60	16.88	10.60	12.30
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	1722.71	2183.00	2120.90	1444.20	2160.00	2139.60	2208.00	2065.00
Indicator value	0.5%	0.7%	0.8%	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments:

4Q/01: Reactor was shutdown between 11/11/01, 15:12 and 11/18/01, 03:25 am

Safety System Unavailability, Heat Removal System

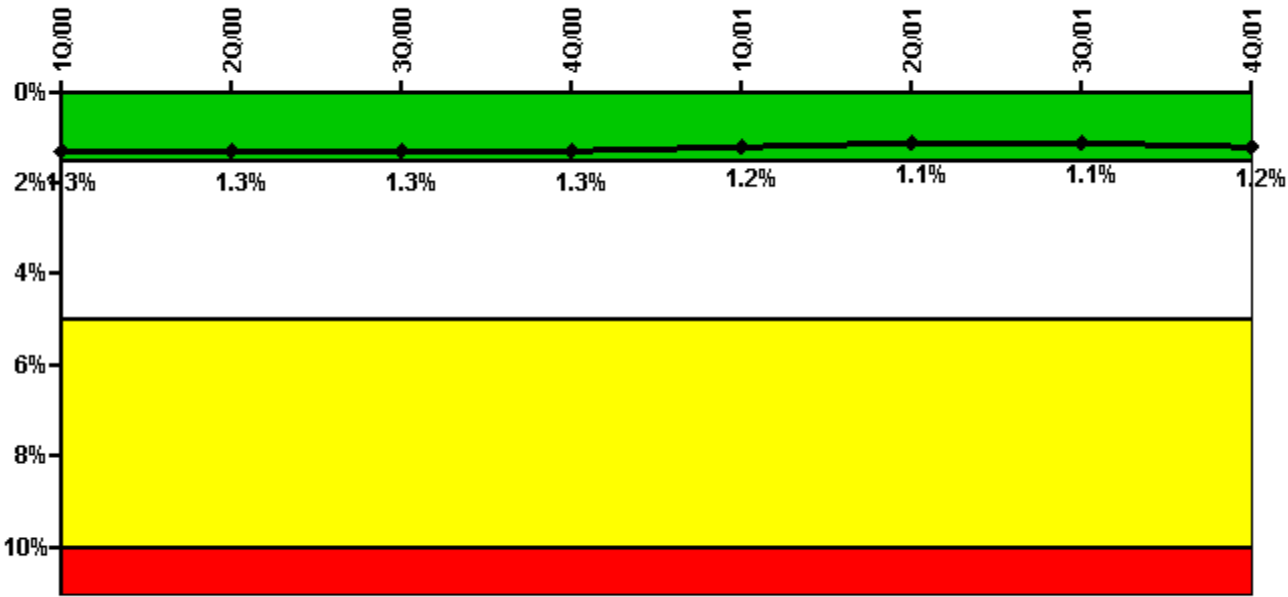
**Thresholds
under
development /
review**

Notes

Safety System Unavailability, Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours								
Unplanned unavailable hours								
Fault exposure hours								
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours								
Train 2								
Planned unavailable hours								
Unplanned unavailable hours								
Fault exposure hours								
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours								
Indicator value								

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

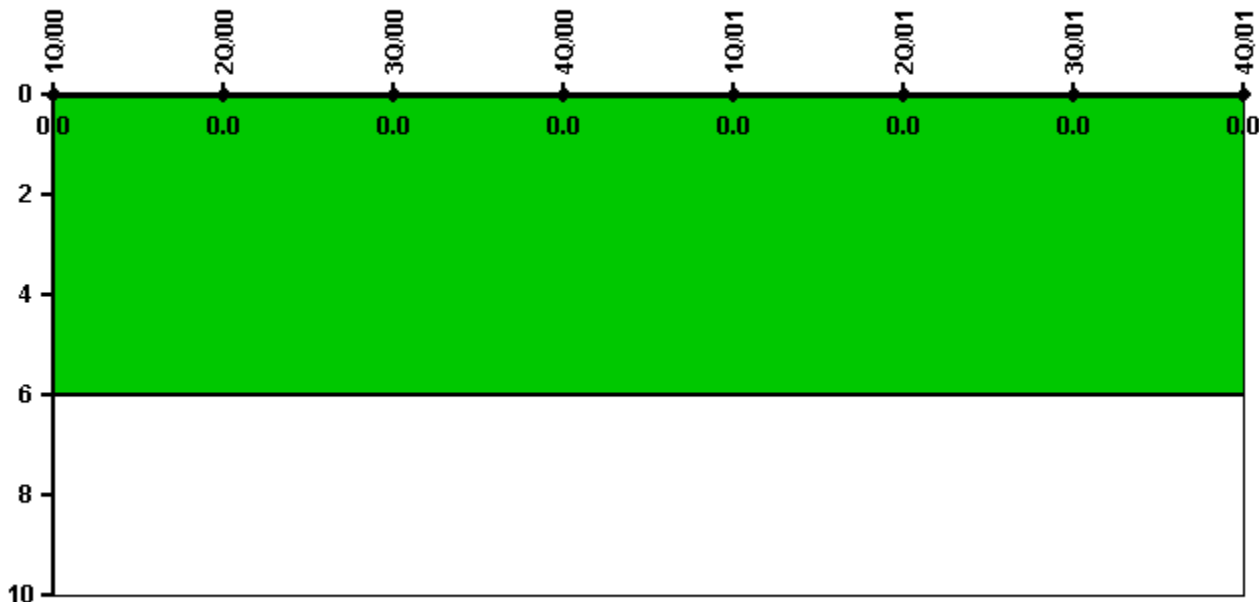
Notes

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	27.42	0.92	7.04	244.70	13.50	0	32.20	0
Unplanned unavailable hours	93.28	0	0	7.30	1.60	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
Train 2								
Planned unavailable hours	0	0.83	0	1.60	0	14.48	0	8.40
Unplanned unavailable hours	93.56	0	0	7.30	1.60	0.30	0	15.90
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 3								
Planned unavailable hours	0	10.62	0	46.60	0	21.30	0	5.00
Unplanned unavailable hours	93.28	0	0	7.30	1.60	0	0	15.90
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 4								
Planned unavailable hours	2.13	6.89	38.69	17.30	30.39	3.78	5.80	2.70
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	2184.00	2183.00	2120.87	1436.00	2160.00	2139.60	2208.00	2065.00
Train 5								
Planned unavailable hours	2.51	6.56	2.77	1.12	4.32	43.41	2.90	2.30
Unplanned unavailable hours	0	0	12.79	2.98	0	0	156.90	28.00
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	2120.87	1436.00	2160.00	2139.60	2208.00	2065.00
Indicator value	1.3%	1.3%	1.3%	1.3%	1.2%	1.1%	1.1%	1.2%

Licensee Comments:

4Q/01: Reactor was shutdown between 11/11/01, 15:12 and 11/18/01, 03:25 am

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

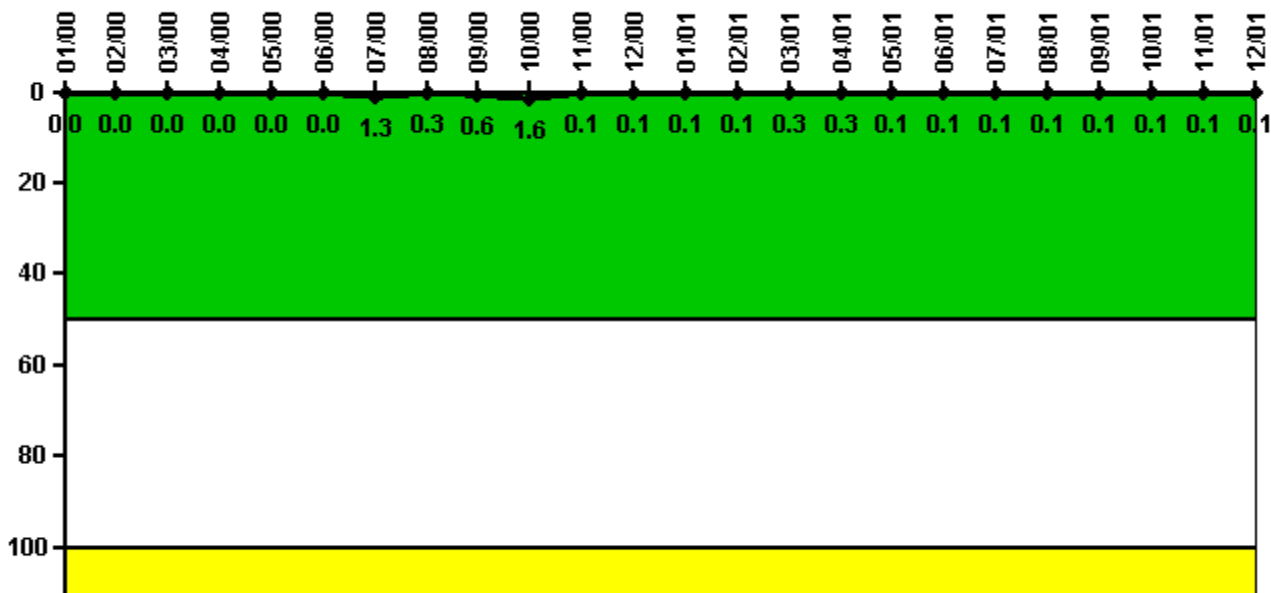
Notes

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	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/01: Due to a failed cable on 11/11/2001 supplying the 480 VAC system, a normal reactor shutdown was conducted. Although several independent trains were declared inoperable, no safety system failure occurred due to the redundancy of the trains.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

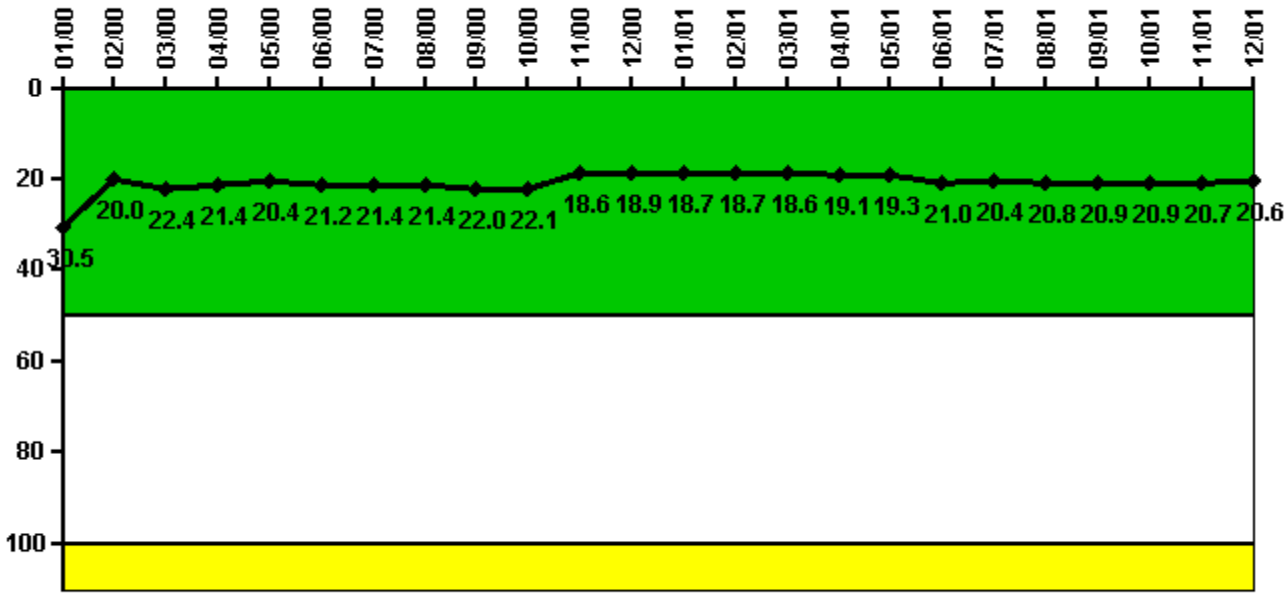
Notes

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	0.000036	0.000030	0.000040	0.000058	0.000031	0.000044	0.002540	0.000577	0.001280	0.003280	0.000164	0.000185
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	0	0	0	0	0	1.3	0.3	0.6	1.6	0.1	0.1

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	0.000133	0.000276	0.000513	0.000506	0.000264	0.000238	0.000158	0.000117	0.000144	0.000122	0.000192	0.000197
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	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

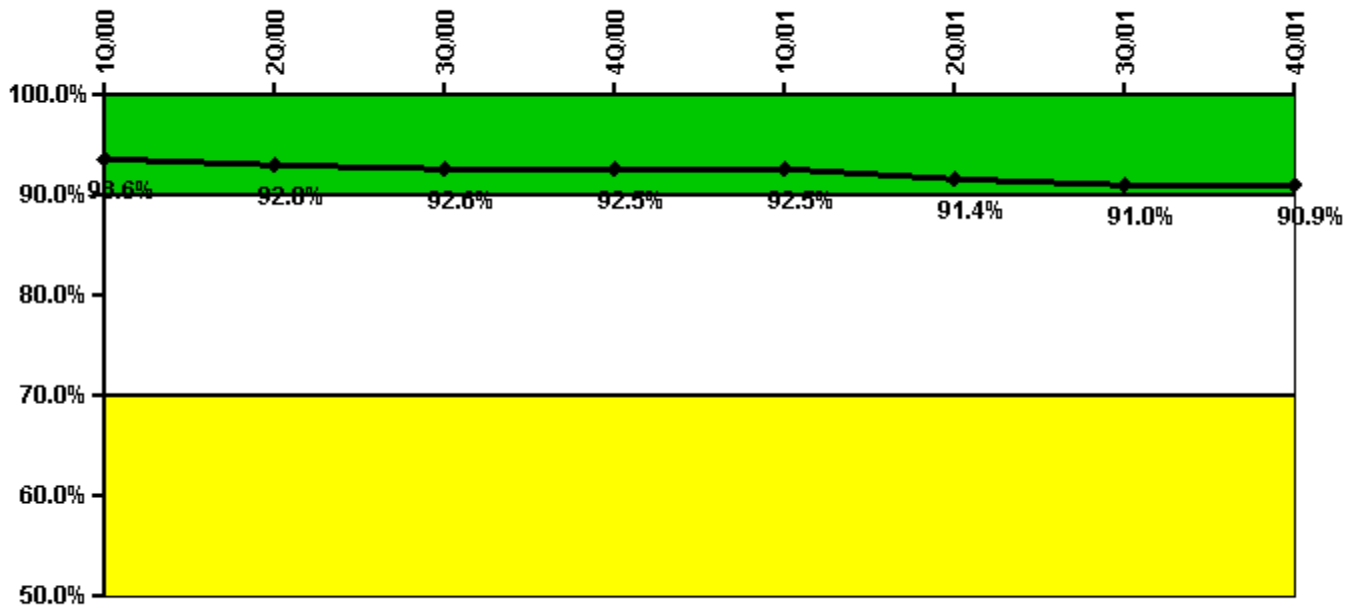
Notes

Reactor Coolant System Leakage	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	7.630	5.000	5.610	5.350	5.090	5.290	5.350	5.340	5.490	5.520	4.650	4.720
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	30.5	20.0	22.4	21.4	20.4	21.2	21.4	21.4	22.0	22.1	18.6	18.9

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	4.670	4.680	4.640	4.770	4.830	5.240	5.090	5.210	5.220	5.220	5.170	5.150
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	18.7	18.7	18.6	19.1	19.3	21.0	20.4	20.8	20.9	20.9	20.7	20.6

Licensee Comments: none

Drill/Exercise Performance



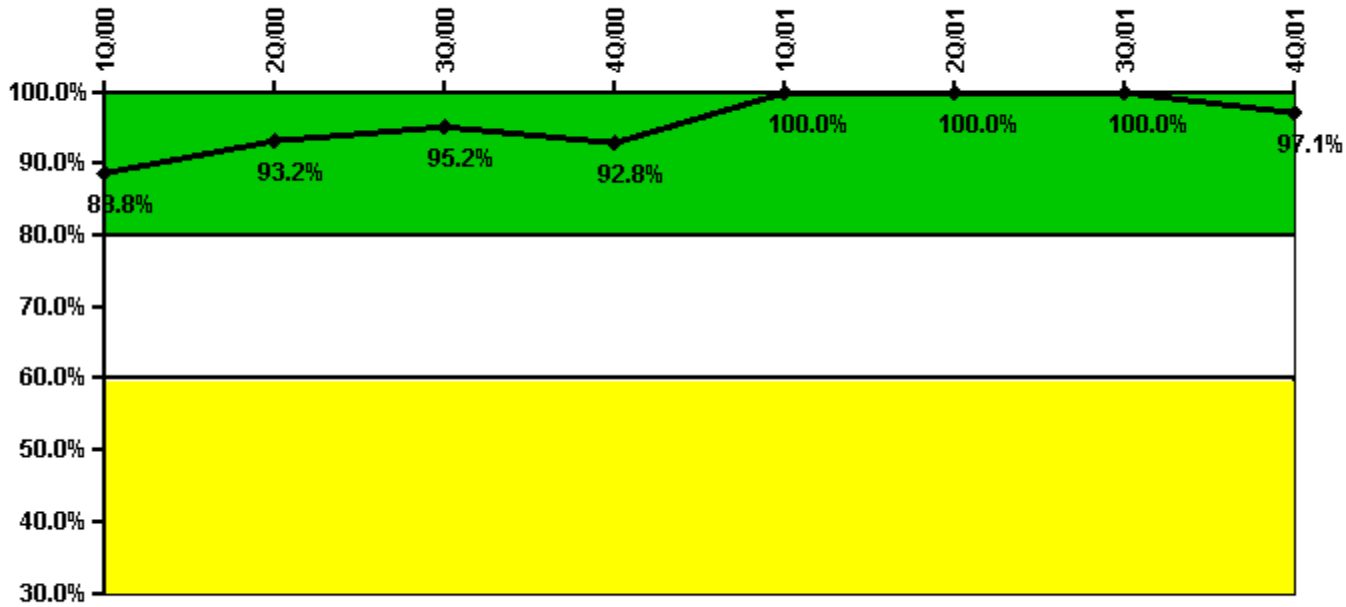
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	37.0	128.0	16.0	0	10.0	6.0	12.0	0
Total opportunities	43.0	140.0	18.0	0	10.0	6.0	13.0	0
Indicator value	93.6%	92.8%	92.6%	92.5%	92.5%	91.4%	91.0%	90.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

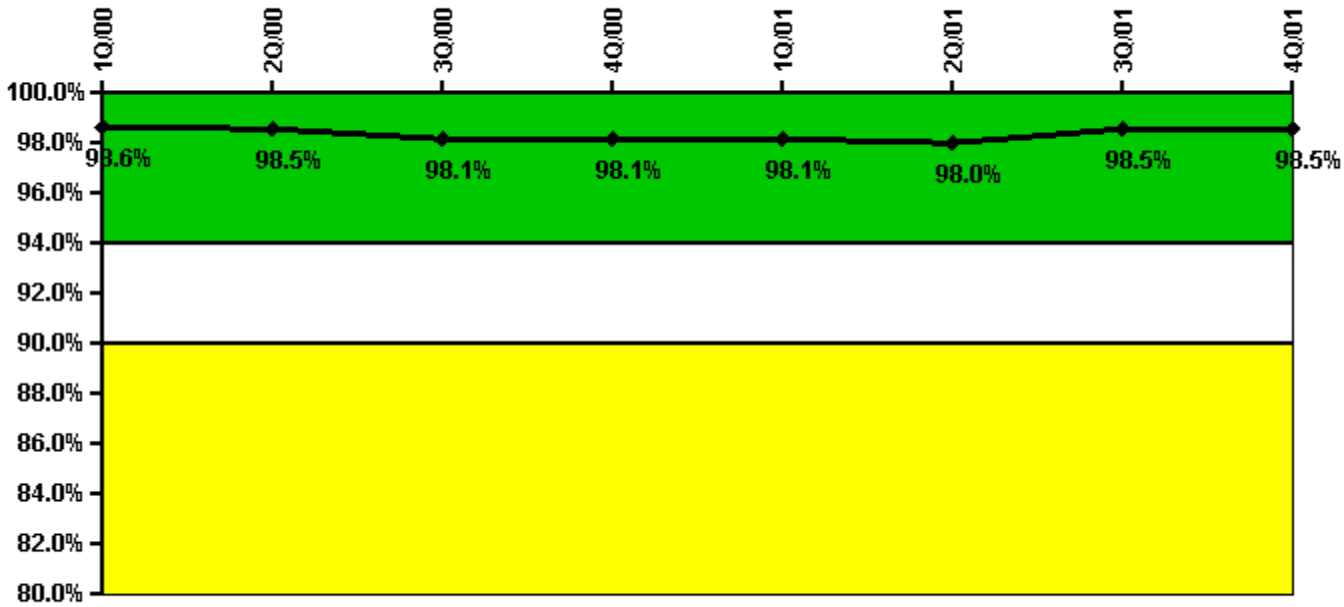
Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	79.0	82.0	79.0	77.0	43.0	44.0	33.0	33.0
Total Key personnel	89.0	88.0	83.0	83.0	43.0	44.0	33.0	34.0
Indicator value	88.8%	93.2%	95.2%	92.8%	100.0%	100.0%	100.0%	97.1%

Licensee Comments:

3Q/01: There were 19 on shift positions counted for participation, only 6 of those positions are qualified shift managers. Corporate procedure provides guidance to count only qualified shift managers. Correction made to revise data to reflect only last quarter and not the sum of three months.

Alert & Notification System



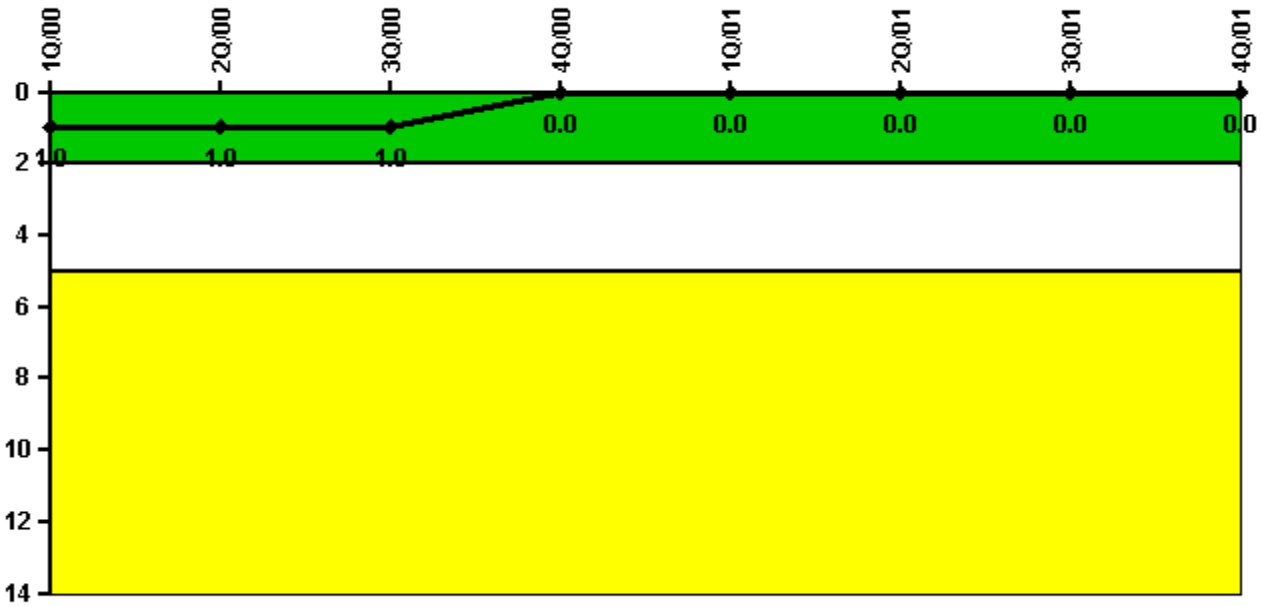
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	291	331	283	290	291	288	248	331
Total sirens-tests	294	336	294	294	294	294	252	336
Indicator value	98.6%	98.5%	98.1%	98.1%	98.1%	98.0%	98.5%	98.5%

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



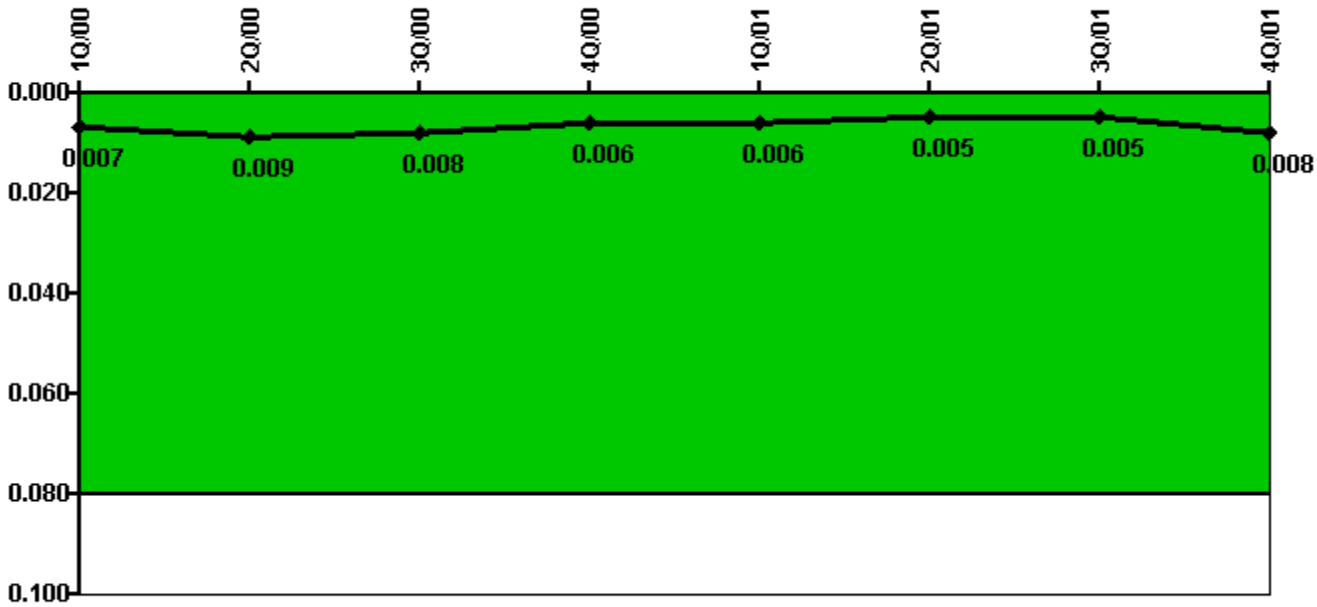
Thresholds: White > 1.0 Yellow > 3.0

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	65.50	87.10	23.05	29.52	60.31	17.68	32.66	60.00
CCTV compensatory hours	2.0	0	0.8	0	6.9	18.4	4.9	59.0
IDS normalization factor	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	0.007	0.009	0.008	0.006	0.006	0.005	0.005	0.008

Licensee Comments:

4Q/01: This major increase in compensatory hours was not due to equipment failure. The cause of the increase was due to the loss of a main power cable.

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