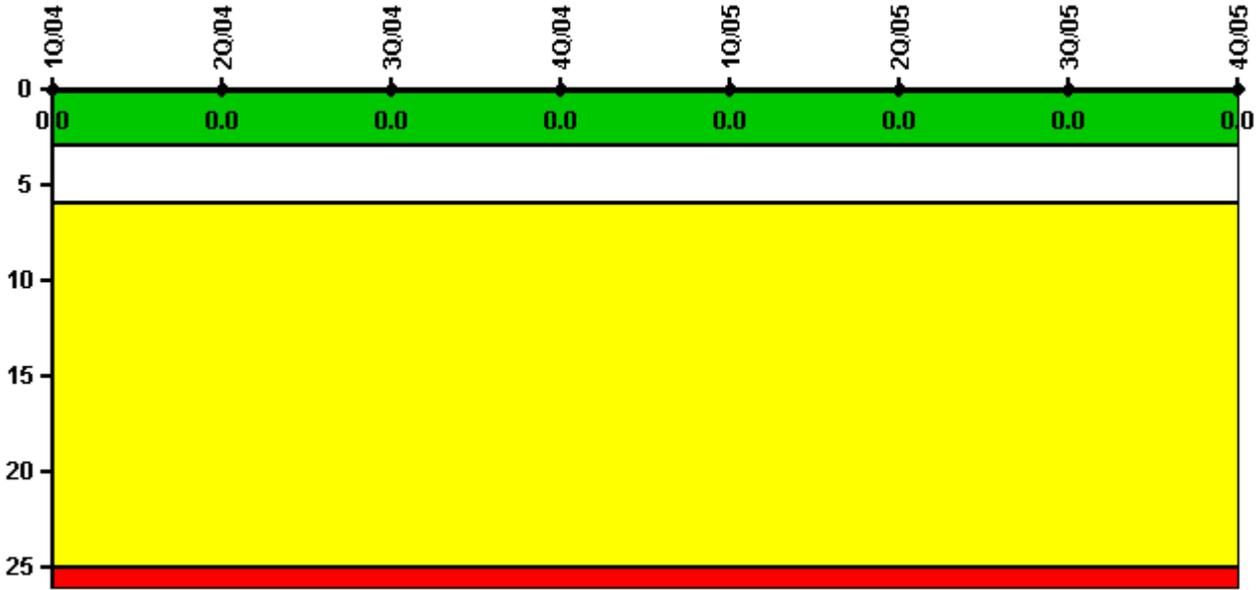


# Diablo Canyon 1

## 4Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



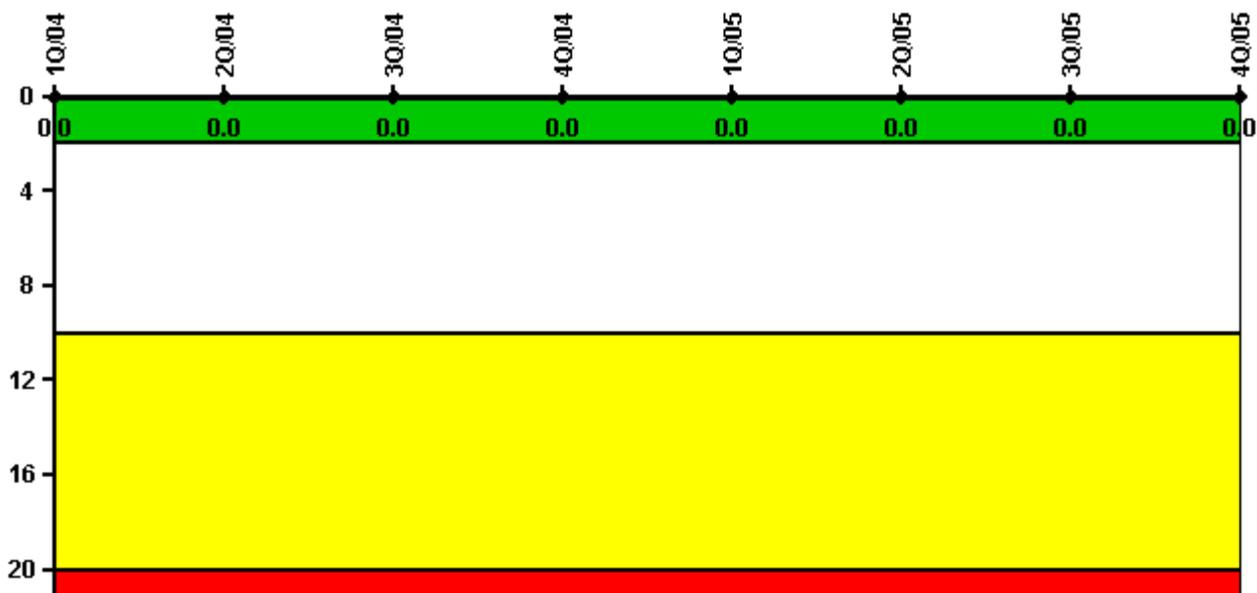
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



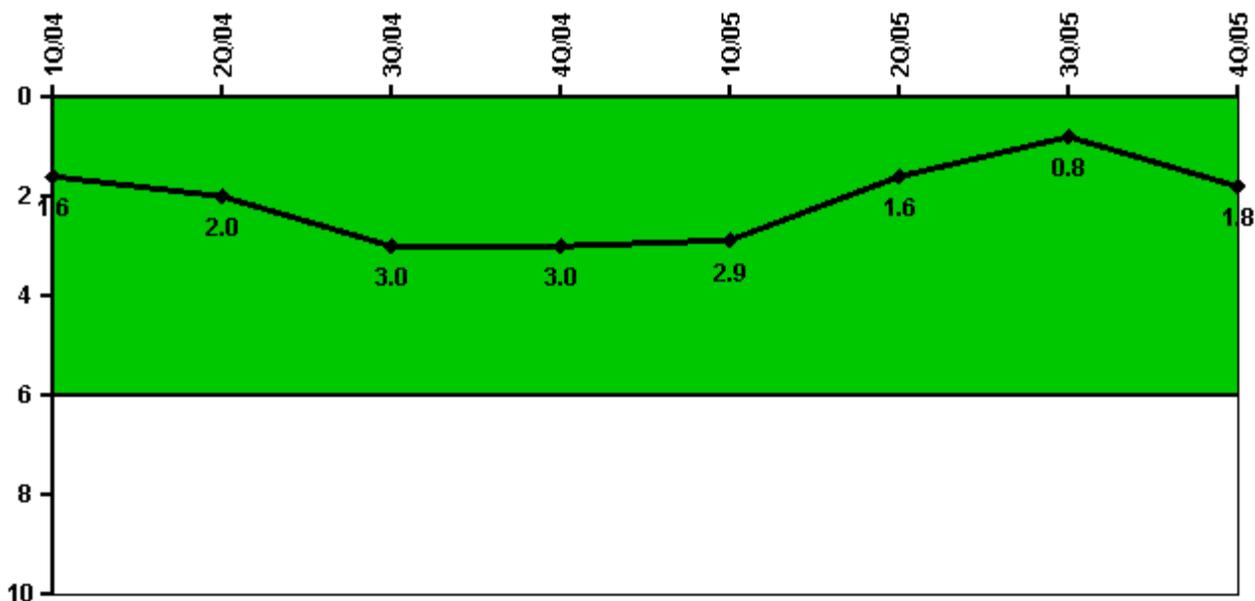
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
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

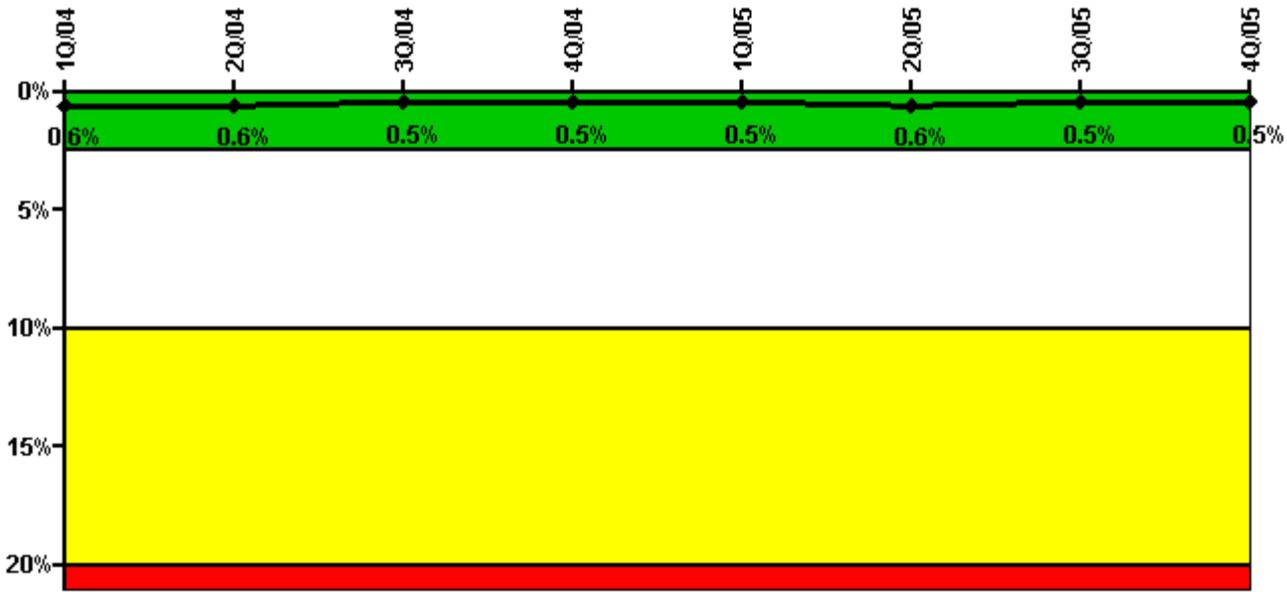
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	1.0	1.0	0	1.0	0	0	1.0
Critical hours	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5
<b>Indicator value</b>	<b>1.6</b>	<b>2.0</b>	<b>3.0</b>	<b>3.0</b>	<b>2.9</b>	<b>1.6</b>	<b>0.8</b>	<b>1.8</b>

Licensee Comments:

4Q/05: Refueling outage 1R13 was started 18 hours early due to a forecast of high ocean swells, and adverse radiological consequences with maintaining the reactor at reduced power level at end of core life. This is conservatively being counted as an unplanned power change.

### Safety System Unavailability, Emergency AC Power, >2EDG



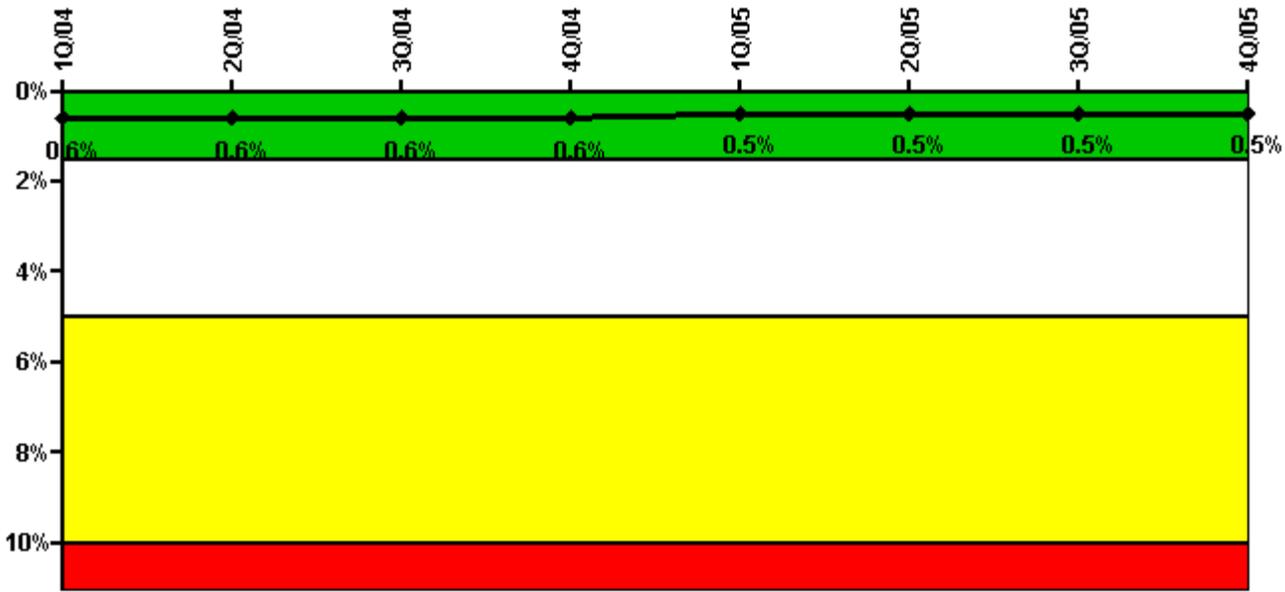
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	0	1.47	1.30	0	0	0	2.10	5.05
Unplanned unavailable hours	0	0	2.20	0	0	31.57	0	0.43
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
<b>Train 2</b>								
Planned unavailable hours	13.22	3.80	0	3.31	3.15	16.47	3.24	2.50
Unplanned unavailable hours	0	0	0	0	0	0	2.65	22.83
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
<b>Train 3</b>								
Planned unavailable hours	1.52	8.74	3.15	2.33	1.28	14.58	4.40	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0.43
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
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

### Safety System Unavailability, High Pressure Injection System (HPSI)



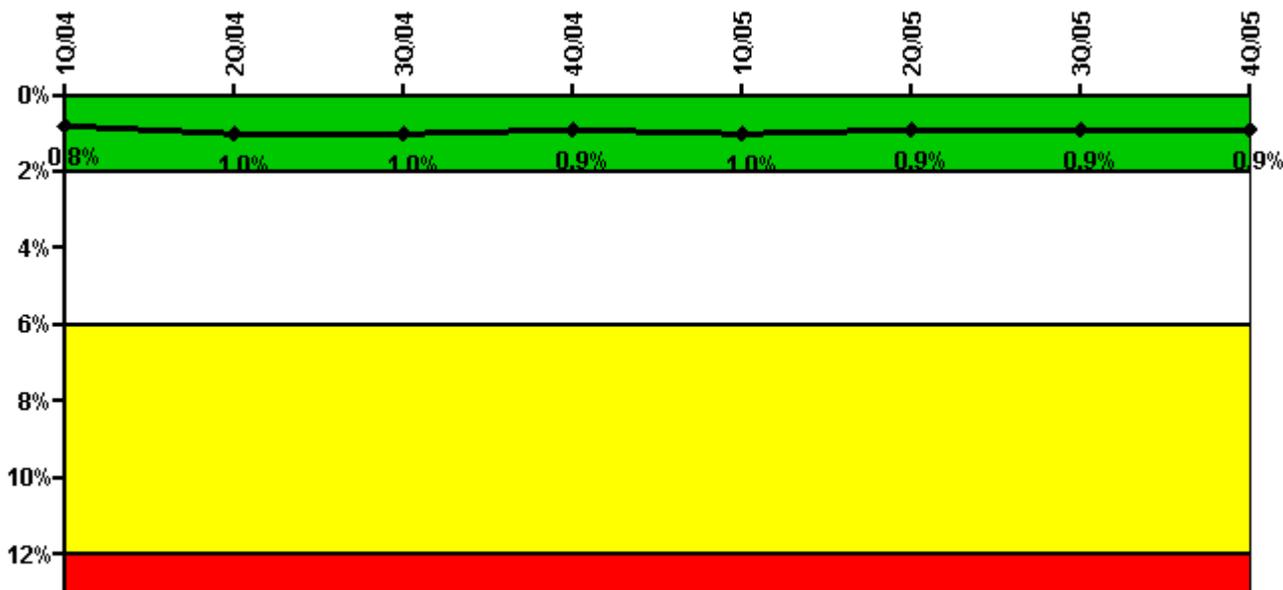
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	13.52	1.32	3.15	14.65	1.28	15.50	2.65	0
Unplanned unavailable hours	0	0	0	0.33	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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Train 2</b>								
Planned unavailable hours	11.23	1.88	18.03	3.31	3.15	16.37	1.82	2.50
Unplanned unavailable hours	0	0	0	0.33	0	0	0	2.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Train 3</b>								
Planned unavailable hours	2.53	1.81	14.00	2.92	9.24	10.85	20.59	1.24
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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Train 4</b>								
Planned unavailable hours	2.37	2.26	0.08	3.38	11.90	13.55	2.15	2.57
Unplanned unavailable hours	0	19.88	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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

### Safety System Unavailability, Heat Removal System (AFW)



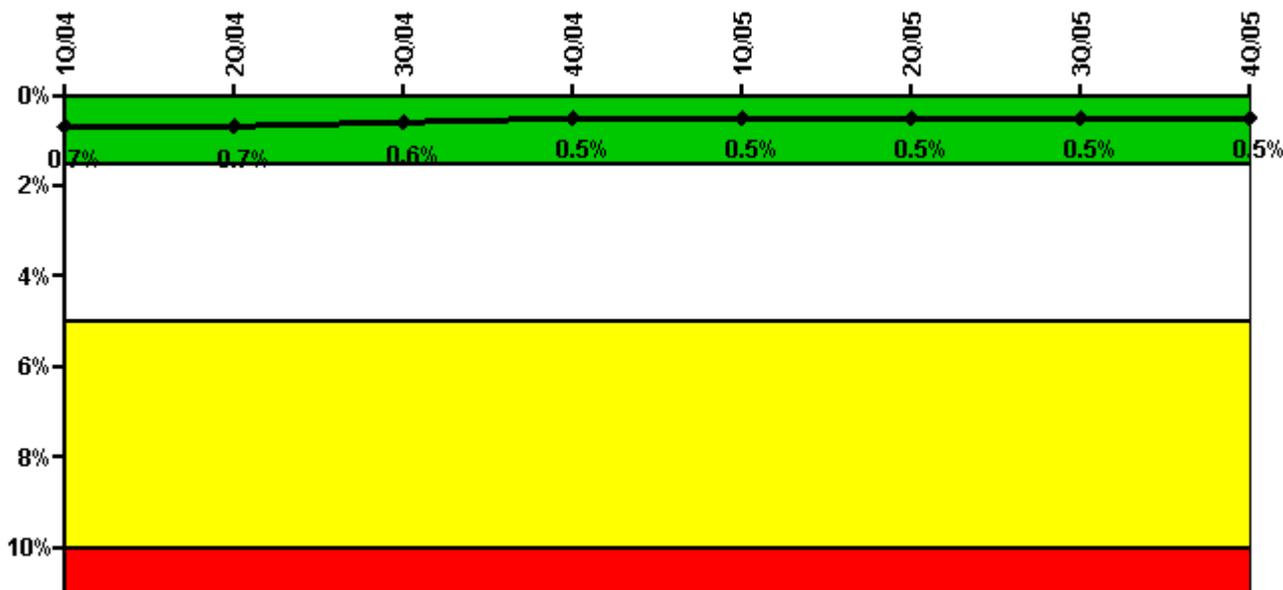
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	11.30	1.15	18.97	2.55	14.30	1.72	0	15.29
Unplanned unavailable hours	0	93.27	21.25	0	0	0	36.77	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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Train 2</b>								
Planned unavailable hours	3.65	2.66	14.48	4.81	28.10	4.92	15.40	4.55
Unplanned unavailable hours	0	0	0	0	0	0	21.43	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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Train 3</b>								
Planned unavailable hours	2.00	15.77	4.32	12.96	14.67	3.13	3.60	6.05
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	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
<b>Indicator value</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



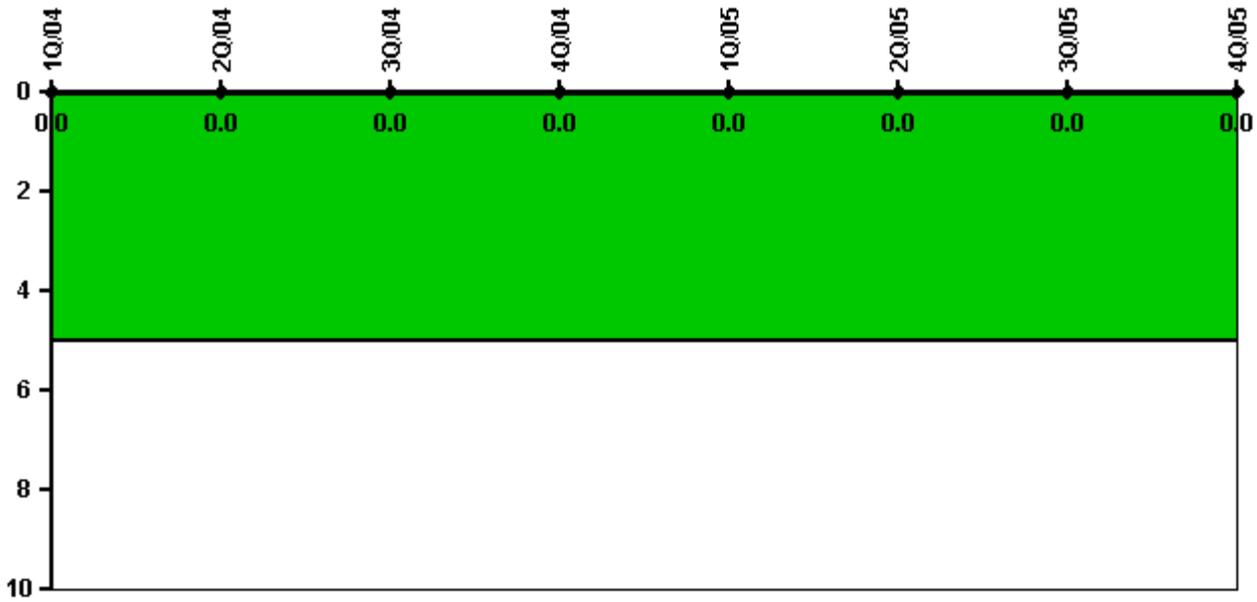
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	24.18	2.00	24.17	4.53	3.92	16.36	2.53	12.33
Unplanned unavailable hours	0	0	0	0	0	0	0	2.40
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
<b>Train 2</b>								
Planned unavailable hours	24.39	1.32	17.00	3.18	3.43	12.21	3.17	0.15
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



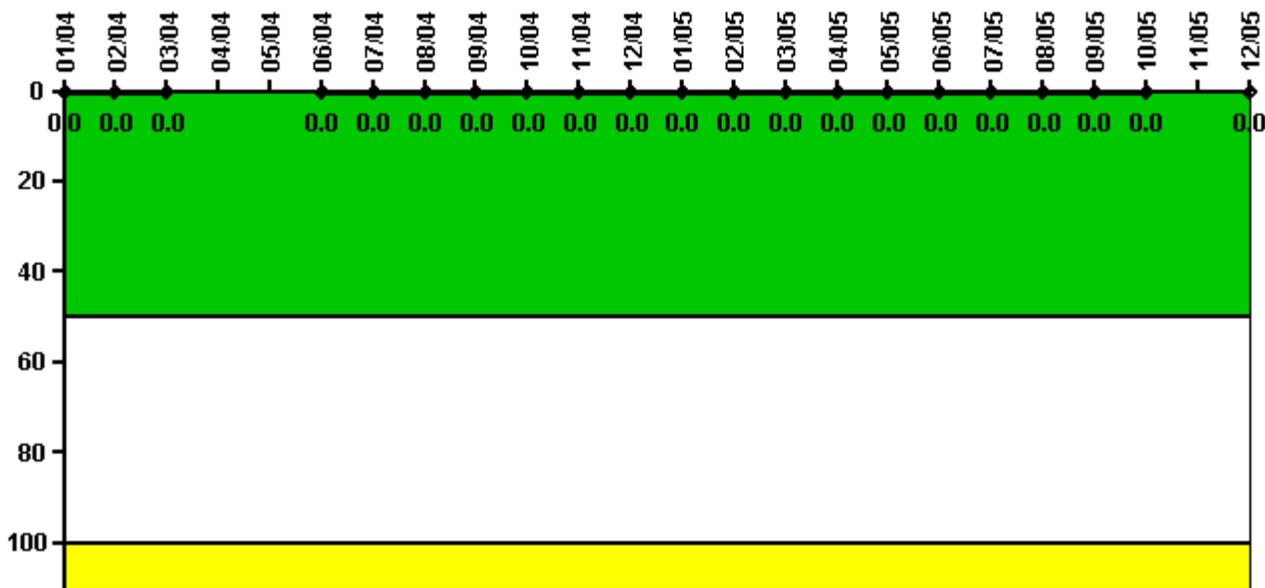
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

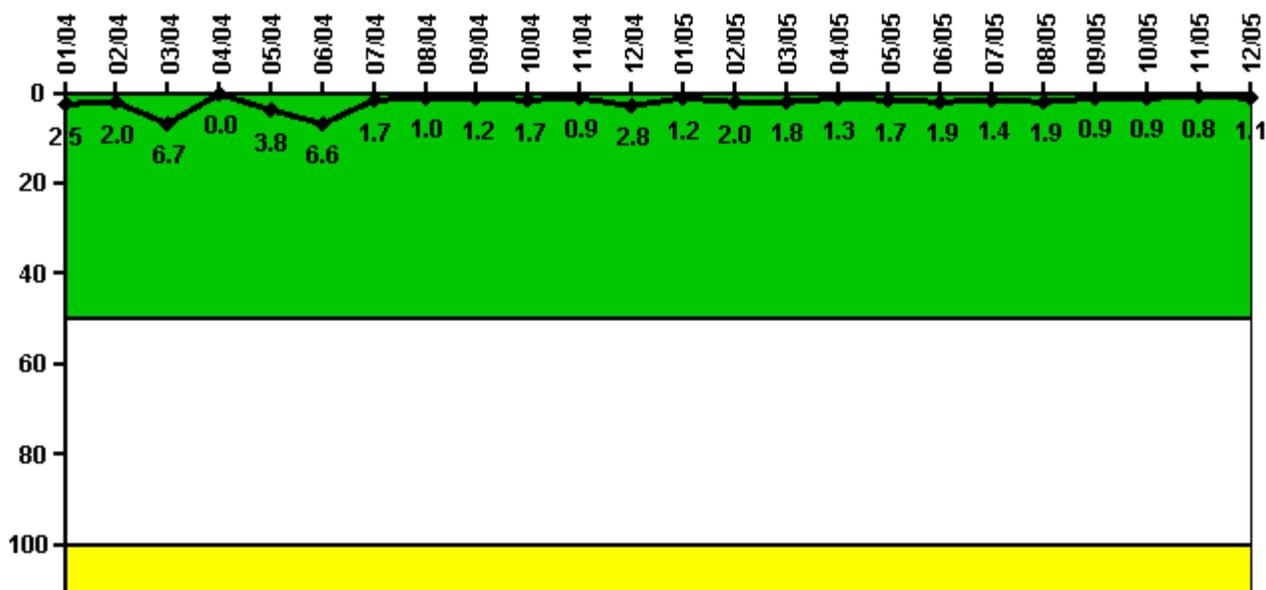
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000316	0.000362	0.000274	N/A	N/A	0.000178	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	N/A	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273	0.000284	N/A	0.000151
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	0	0	0	0	0	0	0	0	0	N/A	0

Licensee Comments: none

### Reactor Coolant System Leakage



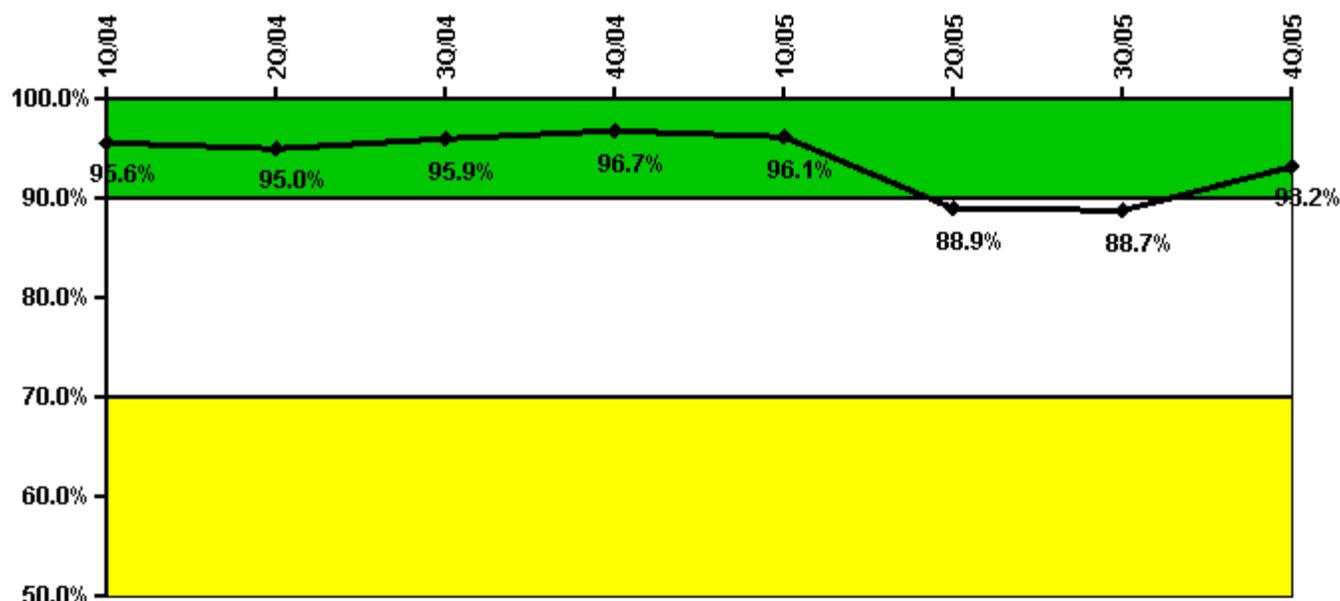
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.253	0.199	0.669	0	0.383	0.655	0.168	0.099	0.123	0.169	0.085	0.275
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	2.5	2.0	6.7	0	3.8	6.6	1.7	1.0	1.2	1.7	0.9	2.8
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.124	0.203	0.181	0.134	0.166	0.194	0.139	0.185	0.090	0.091	0.077	0.106
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	1.2	2.0	1.8	1.3	1.7	1.9	1.4	1.9	0.9	0.9	0.8	1.1

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

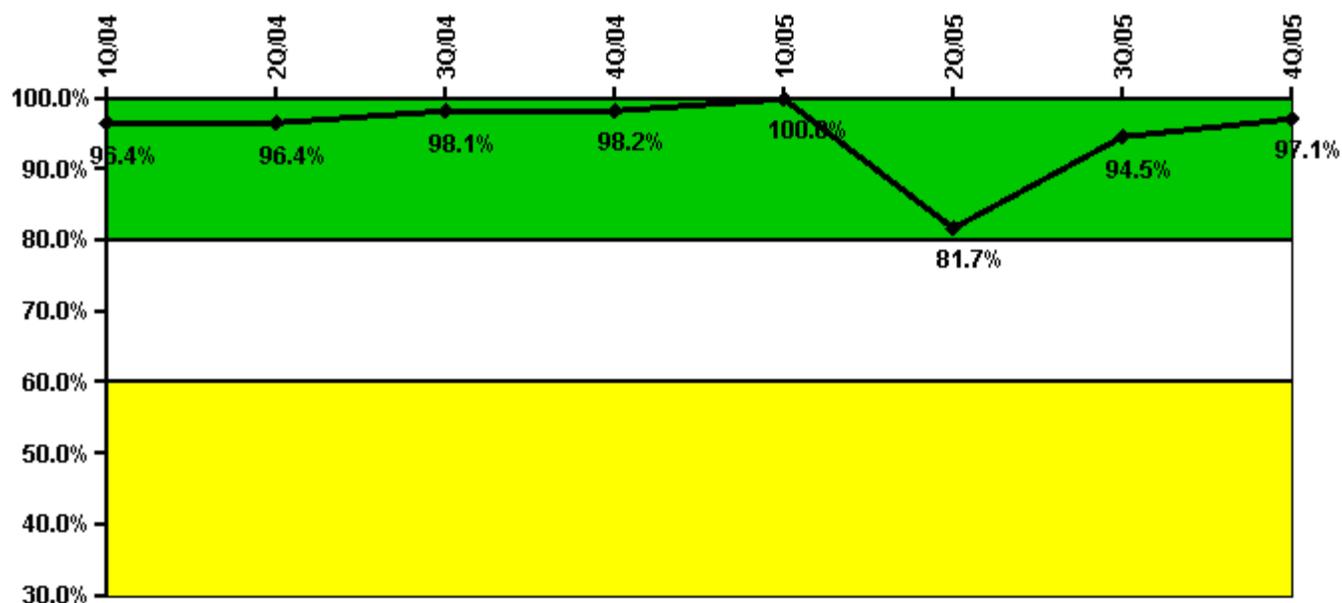
Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	39.0	14.0	14.0	11.0	0	22.0	144.0	247.0
Total opportunities	41.0	15.0	14.0	12.0	0	33.0	162.0	250.0
Indicator value	95.6%	95.0%	95.9%	96.7%	96.1%	88.9%	88.7%	93.2%

#### Licensee Comments:

3Q/05: Drill / Exercise Performance (DEP) did not improve during 3Q2005 and the indicator remains White. The 3Q2005 DEP deficiencies were primarily associated with inaccurately completing the required notification forms. Additional resources have been applied to the assessment of causes and the identification of corrective actions to improve DEP.

2Q/05: As a result of an NRC inspection and subsequent review of the 2Q2005 Drill/Exercise performance data, three of the 33 opportunities were found to have been incorrectly counted as successful. These three opportunities are now being counted as failures because the "emergency" box was checked instead of the "drill" box, on the otherwise correct initial notification form. The change results in the PI crossing the Green/White threshold.

### ERO Drill Participation



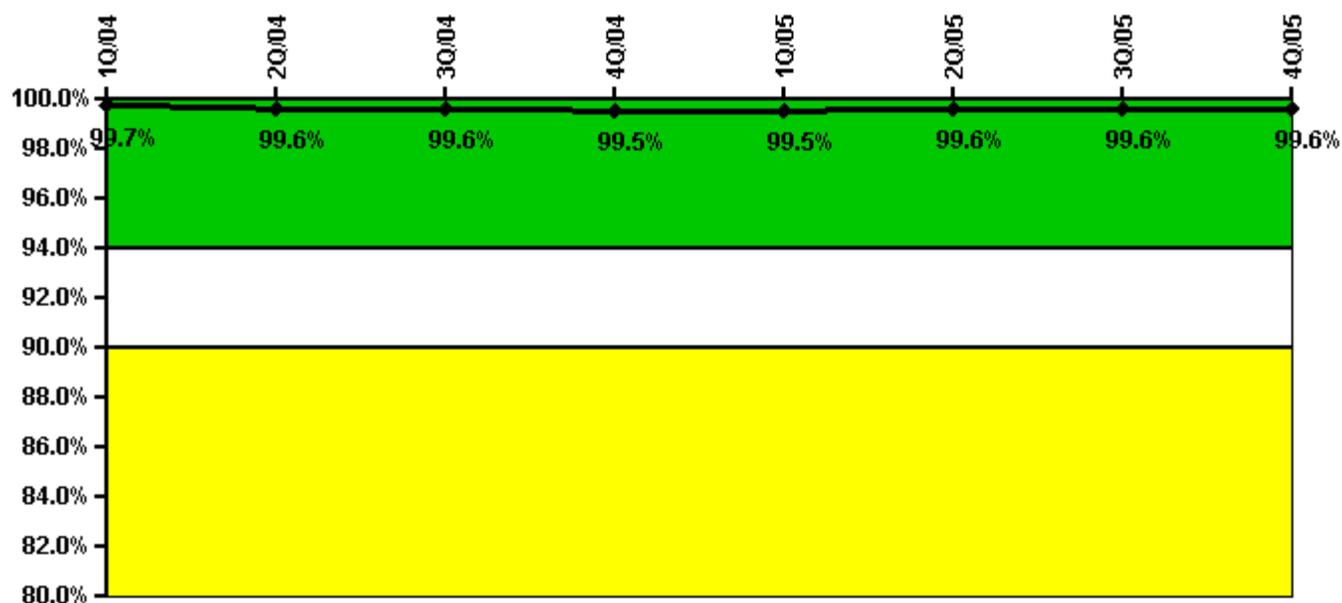
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	53.0	53.0	53.0	55.0	52.0	58.0	69.0	68.0
Total Key personnel	55.0	55.0	54.0	56.0	52.0	71.0	73.0	70.0
Indicator value	96.4%	96.4%	98.1%	98.2%	100.0%	81.7%	94.5%	97.1%

Licensee Comments: none

### Alert & Notification System



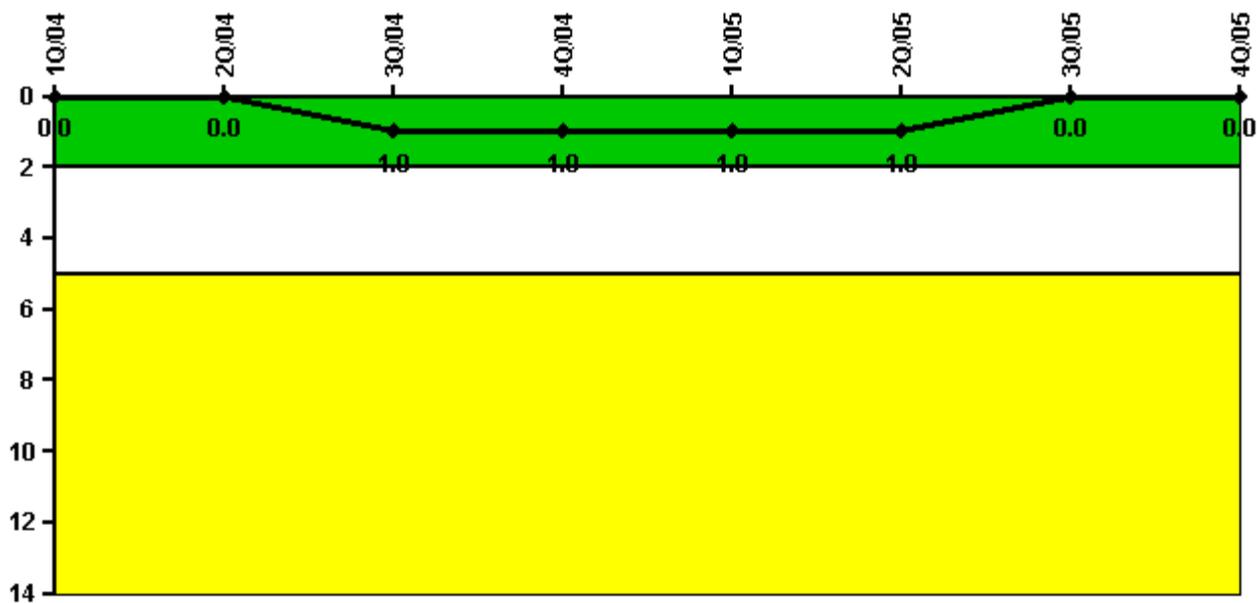
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	1044	1043	1303	911	1043	910	1302	905
Total sirens-tests	1048	1048	1310	917	1048	910	1306	911
Indicator value	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%	99.6%	99.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



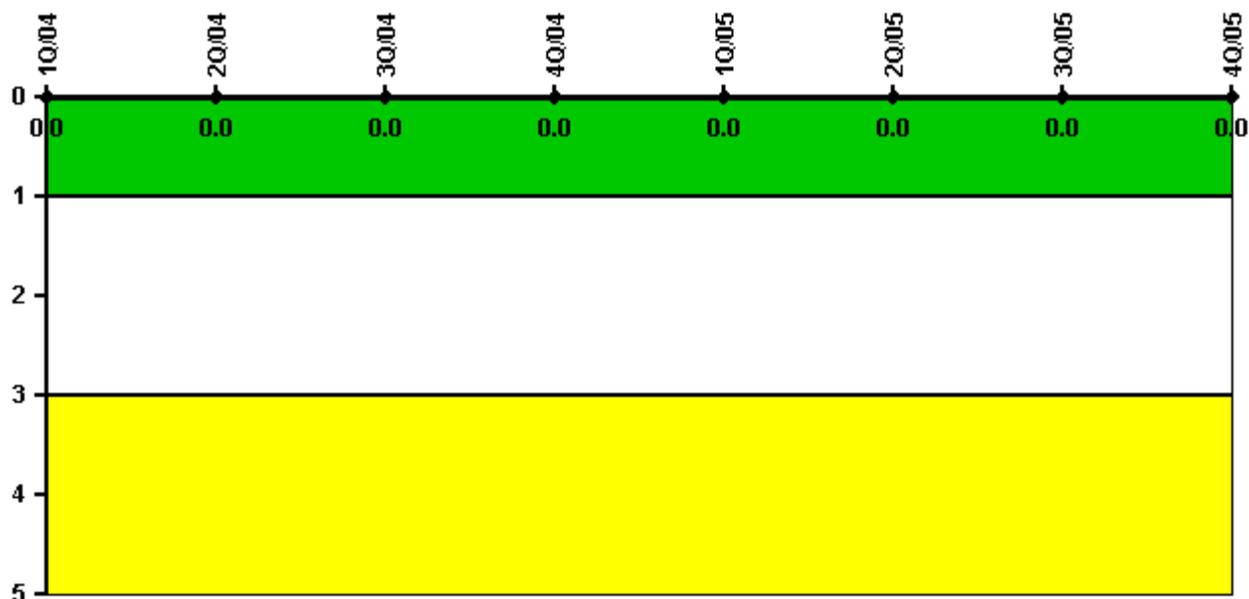
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
High radiation area occurrences	0	0	1	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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.