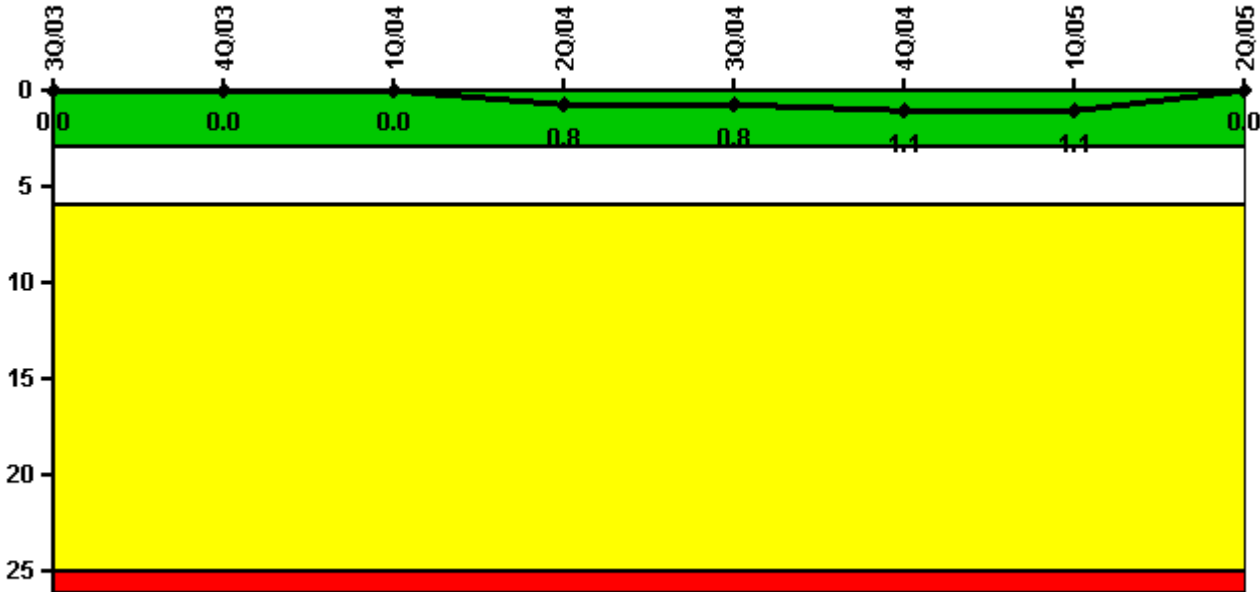


# San Onofre 3

## 2Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



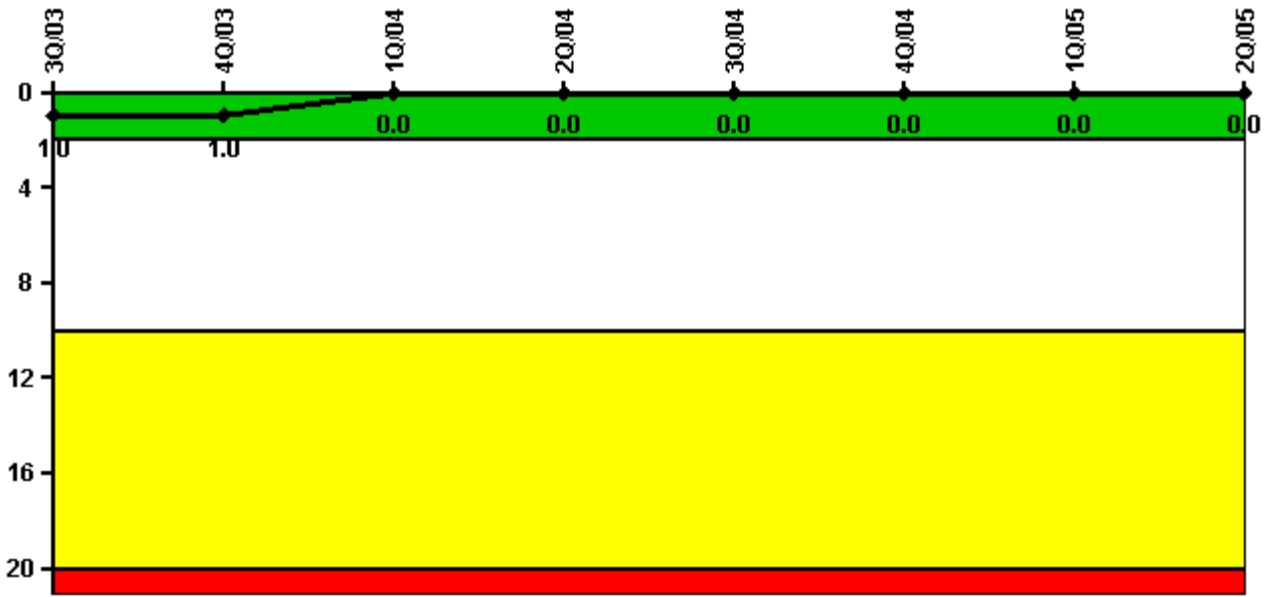
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2022.5	2138.9	2124.0	157.4	2160.0	2073.6
Indicator value	0	0	0	0.8	0.8	1.1	1.1	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



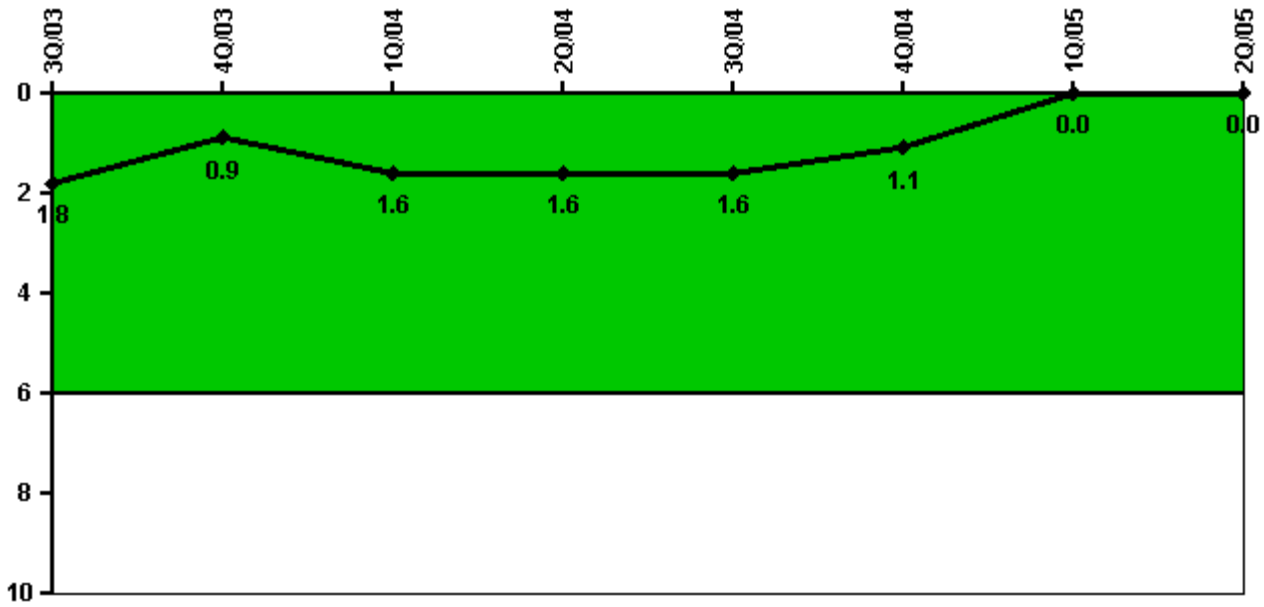
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



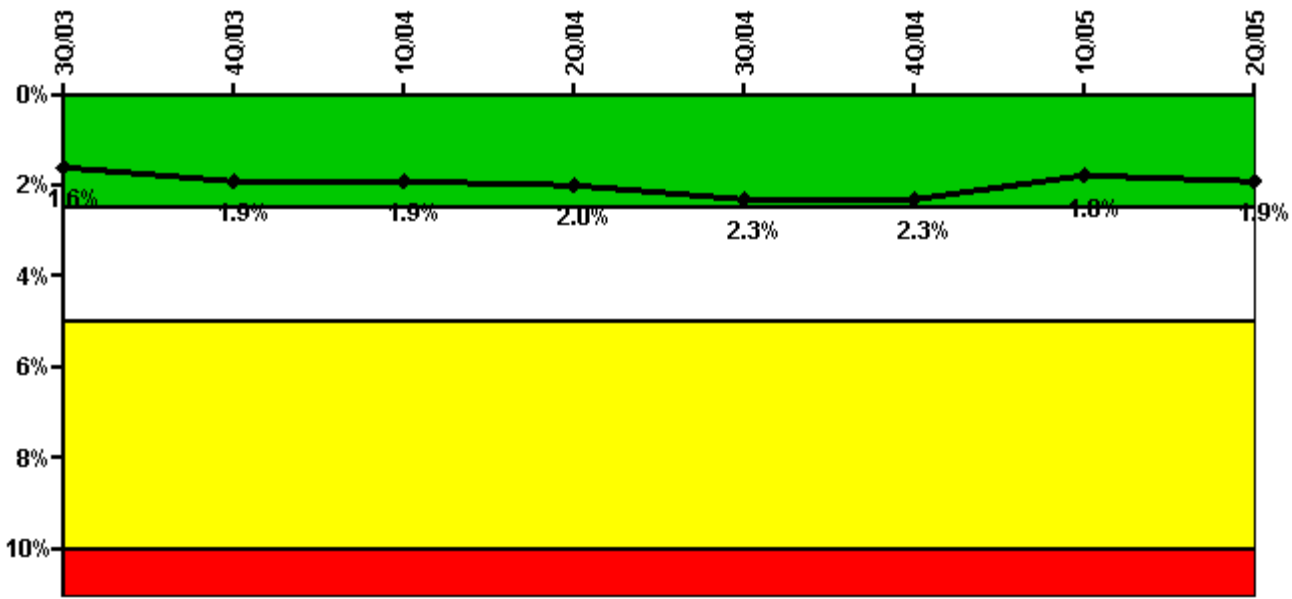
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2022.5	2138.9	2124.0	157.4	2160.0	2073.6
<b>Indicator value</b>	<b>1.8</b>	<b>0.9</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.1</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



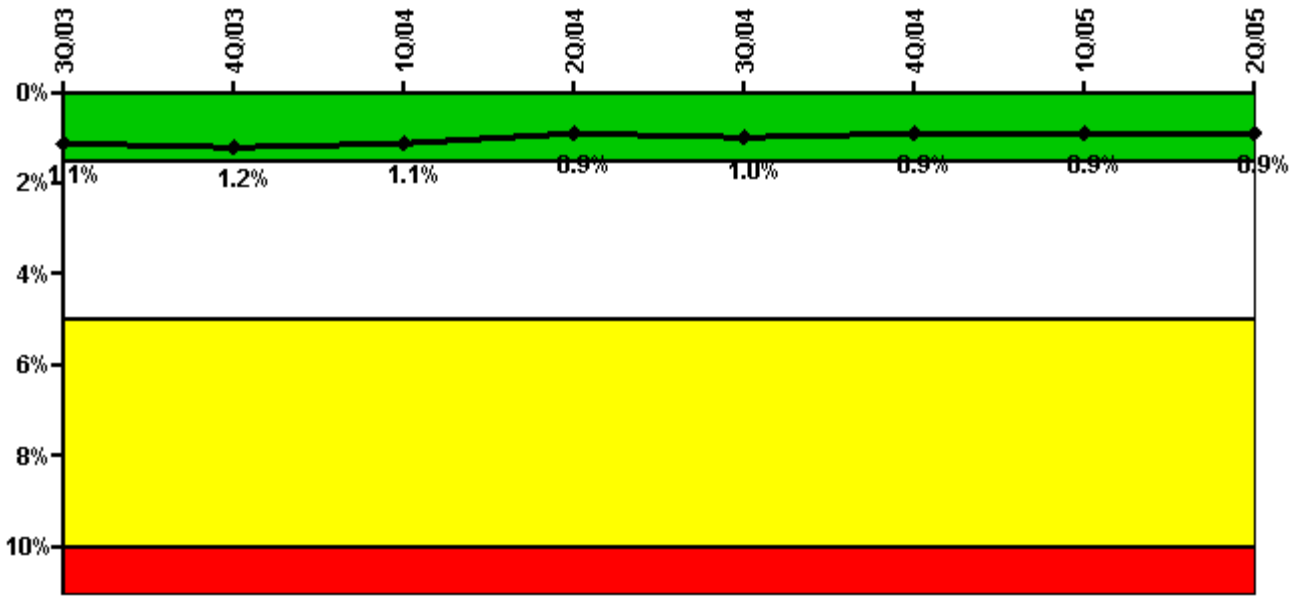
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	1.45	10.35	1.19	22.25	31.65	0.75	62.30	45.52
Unplanned unavailable hours	8.17	77.50	0	0	37.37	0	0	8.02
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	32.32	0.45	17.40	25.31	20.70	0	2.27	12.54
Unplanned unavailable hours	75.77	64.25	0	0	71.18	0	0	14.52
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>1.6%</b>	<b>1.9%</b>	<b>1.9%</b>	<b>2.0%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>1.8%</b>	<b>1.9%</b>

Licensee Comments: none

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



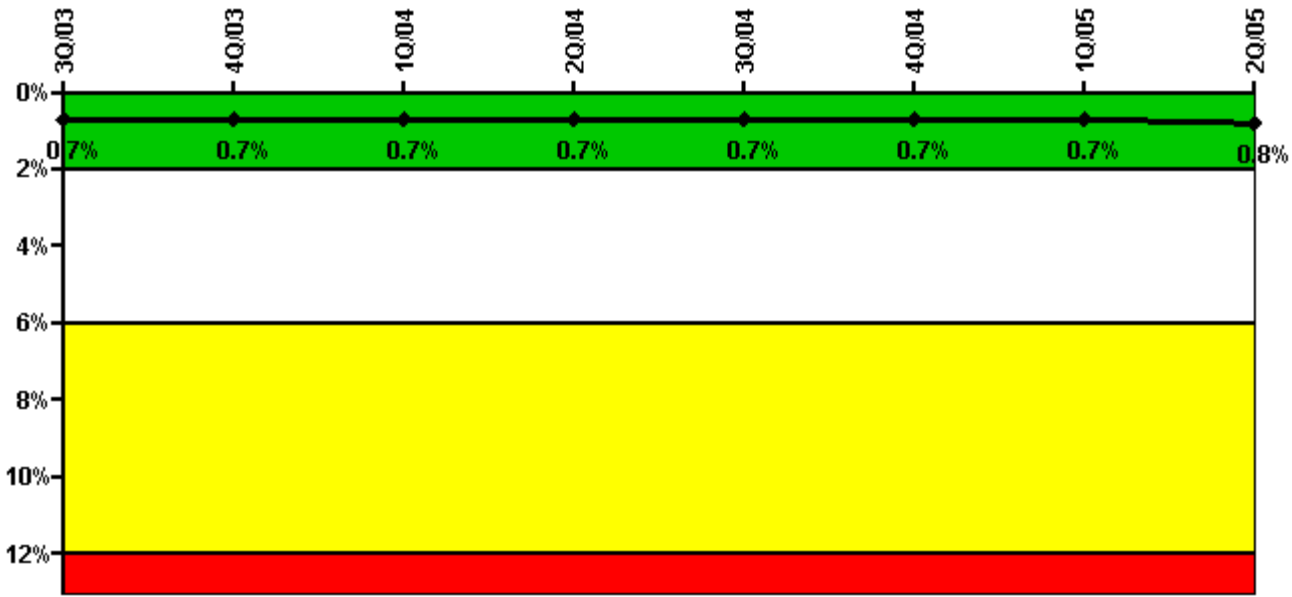
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	39.11	4.24	4.28	10.80	60.08	0.45	20.14	1.05
Unplanned unavailable hours	0	4.75	4.78	0	0	0	5.63	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	2208.00	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63
<b>Train 2</b>								
Planned unavailable hours	40.52	69.65	3.70	6.55	71.27	0.35	2.95	2.15
Unplanned unavailable hours	0	0	0	0	0	0	0.62	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	2208.00	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63
<b>Indicator value</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.1%</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, Heat Removal System (AFW)



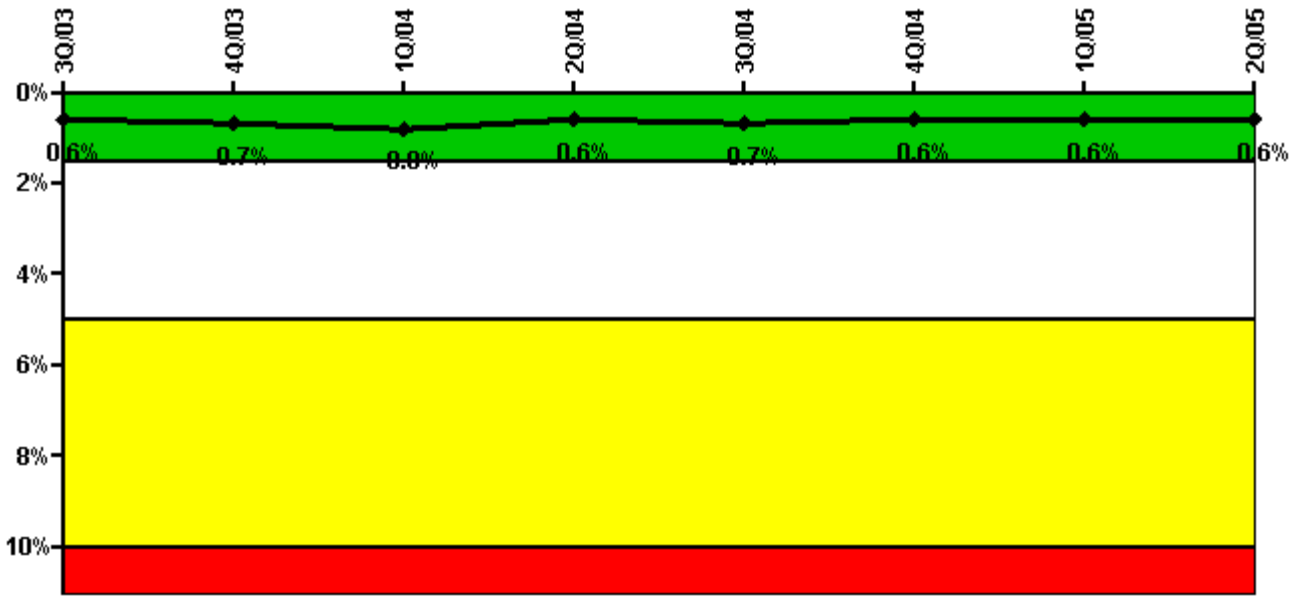
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	11.42	0.45	20.37	11.90	27.85	0	18.72	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	2208.00	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63
<b>Train 2</b>								
Planned unavailable hours	35.47	0.25	0.75	40.31	4.38	0	0	32.52
Unplanned unavailable hours	0	0	9.53	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	2208.00	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63
<b>Train 3</b>								
Planned unavailable hours	18.73	15.27	21.58	47.25	0.15	0	17.23	43.67
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	2208.00	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



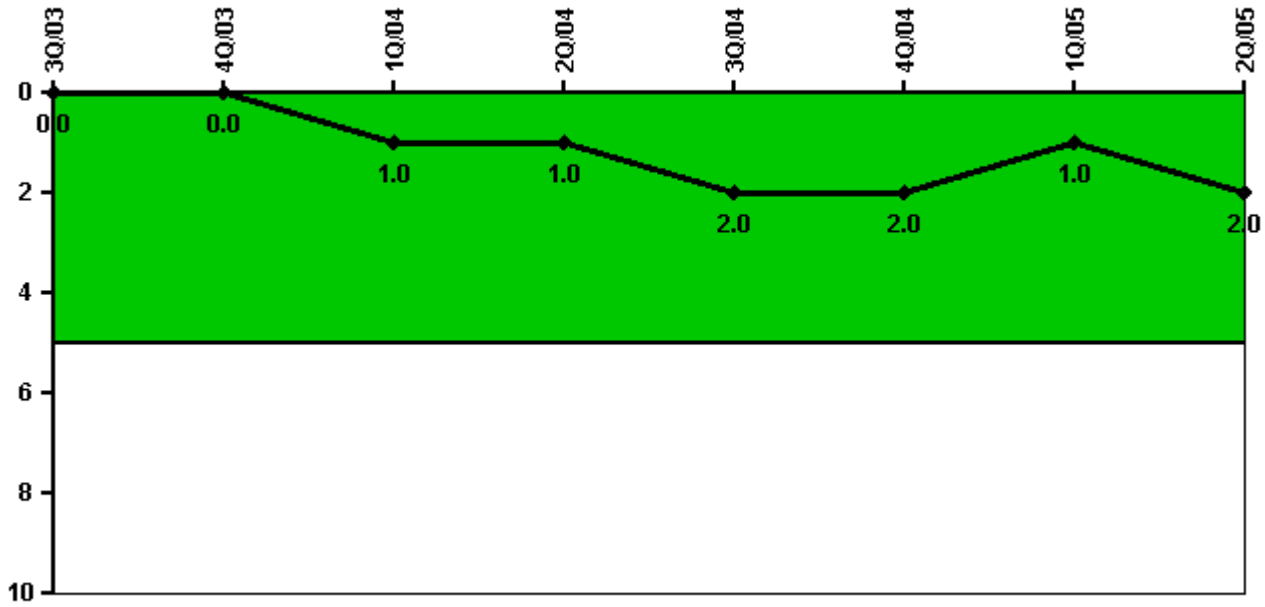
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	85.65	3.57	4.28	17.92	72.25	0	18.93	2.45
Unplanned unavailable hours	0	0	4.78	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	2208.00	2209.00	2061.26	2183.00	2129.17	201.22	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	56.45	93.90	3.70	38.45	70.58	0	1.43	3.89
Unplanned unavailable hours	0	0	28.77	0	0	0	0.62	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	2208.00	2209.00	2061.26	2183.00	2129.17	201.22	2160.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	0	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	0	0	122.74	0	78.83	2007.78	0	0
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	0	0.15	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	0	0	122.74	0	78.83	2007.78	0	0
<b>Indicator value</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

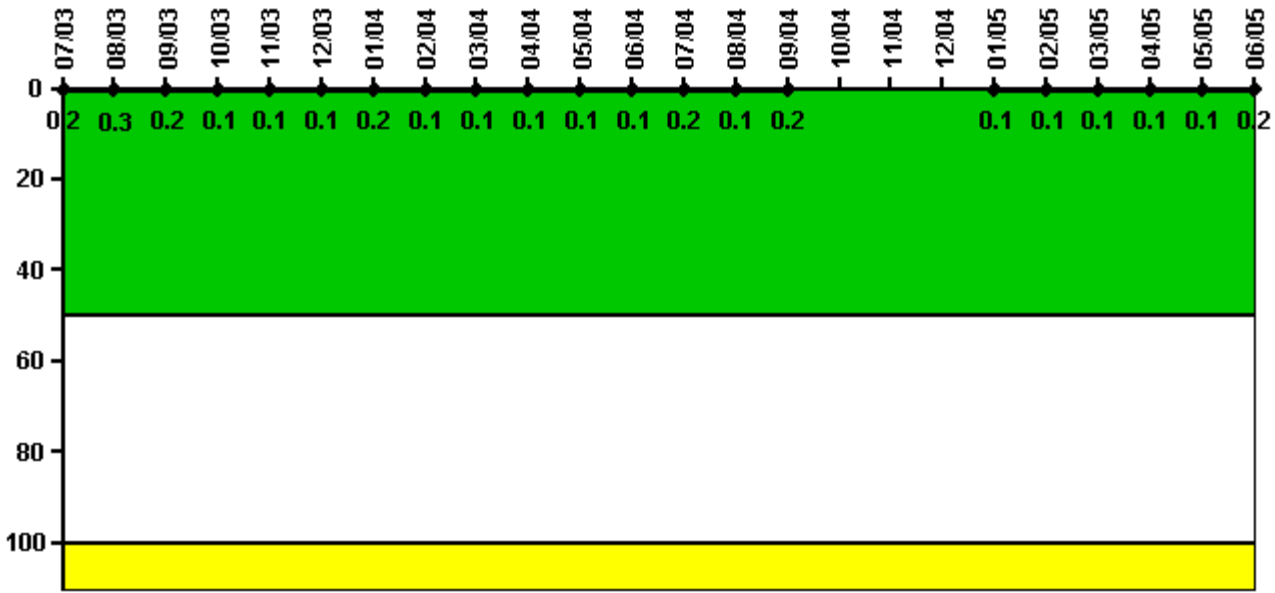
### Notes

Safety System Functional Failures (PWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	0	1	0	1	0	0	1
Indicator value	0	0	1	1	2	2	1	2

Licensee Comments: none



### Reactor Coolant System Activity



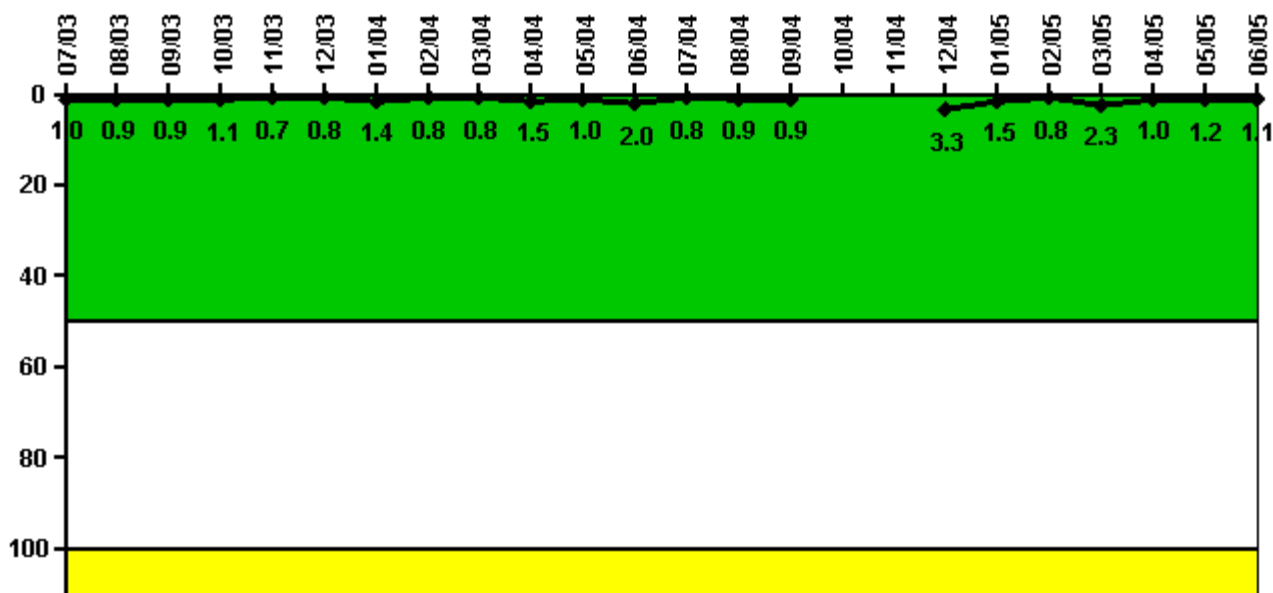
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.002000	0.003000	0.002000	0.001250	0.001300	0.001260	0.001990	0.001190	0.001250	0.001290	0.001360	0.001320
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	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.001940	0.001470	0.001510	N/A	N/A	N/A	0.000887	0.000886	0.000966	0.000971	0.001020	0.001540
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	0.2	0.1	0.2	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.2

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.100	0.090	0.090	0.110	0.070	0.080	0.140	0.080	0.080	0.150	0.100	0.200
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	1.0	0.9	0.9	1.1	0.7	0.8	1.4	0.8	0.8	1.5	1.0	2.0

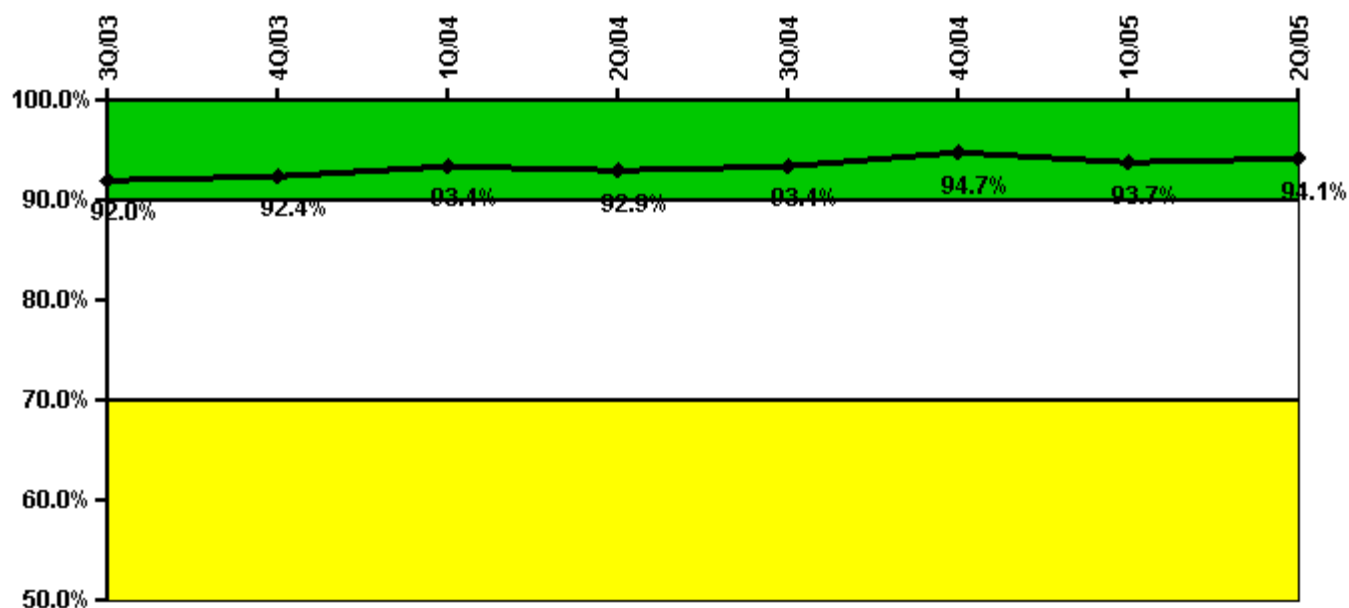
  

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.080	0.090	0.090	N/A	N/A	0.330	0.150	0.080	0.230	0.100	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.9	0.9	N/A	N/A	3.3	1.5	0.8	2.3	1.0	1.2	1.1

Licensee Comments:

6/05: Effective May 2003 the RCS Leakage being recorded is RCS TOTAL leakage versus RCS IDENTIFIED leakage. RCS Identified Leakage is generated only when RCS Total Leakage exceeds 1 GPM. Method approved by FAQ 381.

### Drill/Exercise Performance



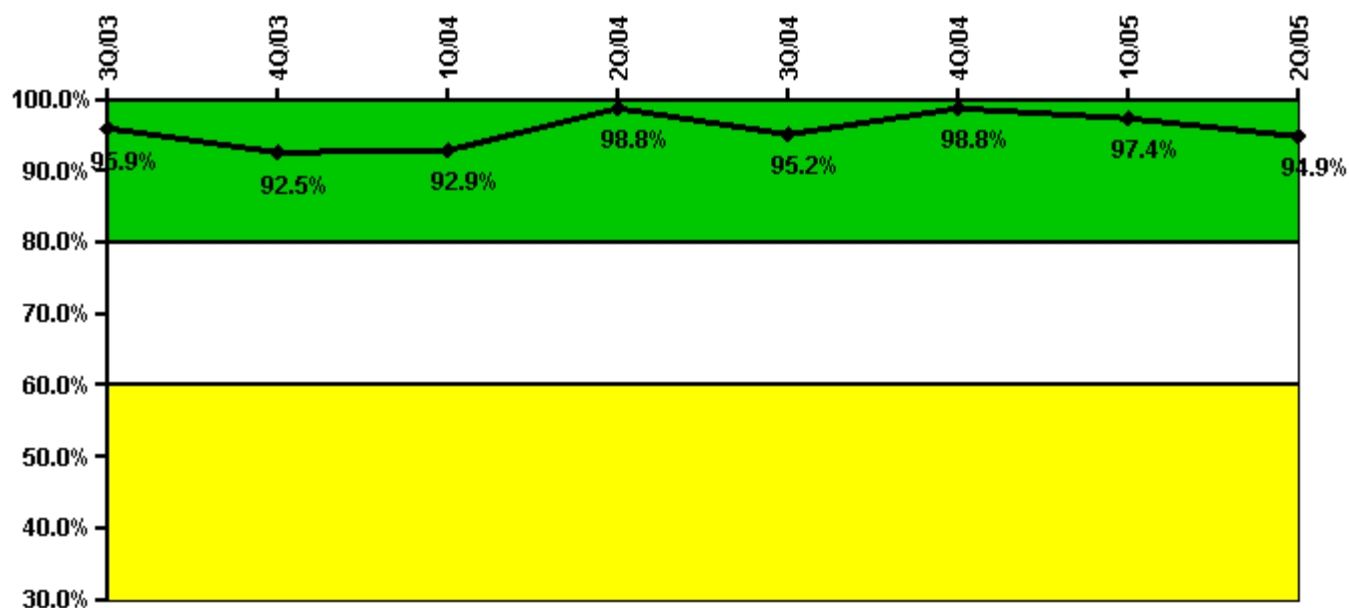
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	19.0	9.0	0	40.0	0	39.0	9.0	28.0
Total opportunities	20.0	9.0	0	44.0	0	41.0	10.0	29.0
Indicator value	92.0%	92.4%	93.4%	92.9%	93.4%	94.7%	93.7%	94.1%

Licensee Comments: none

### ERO Drill Participation



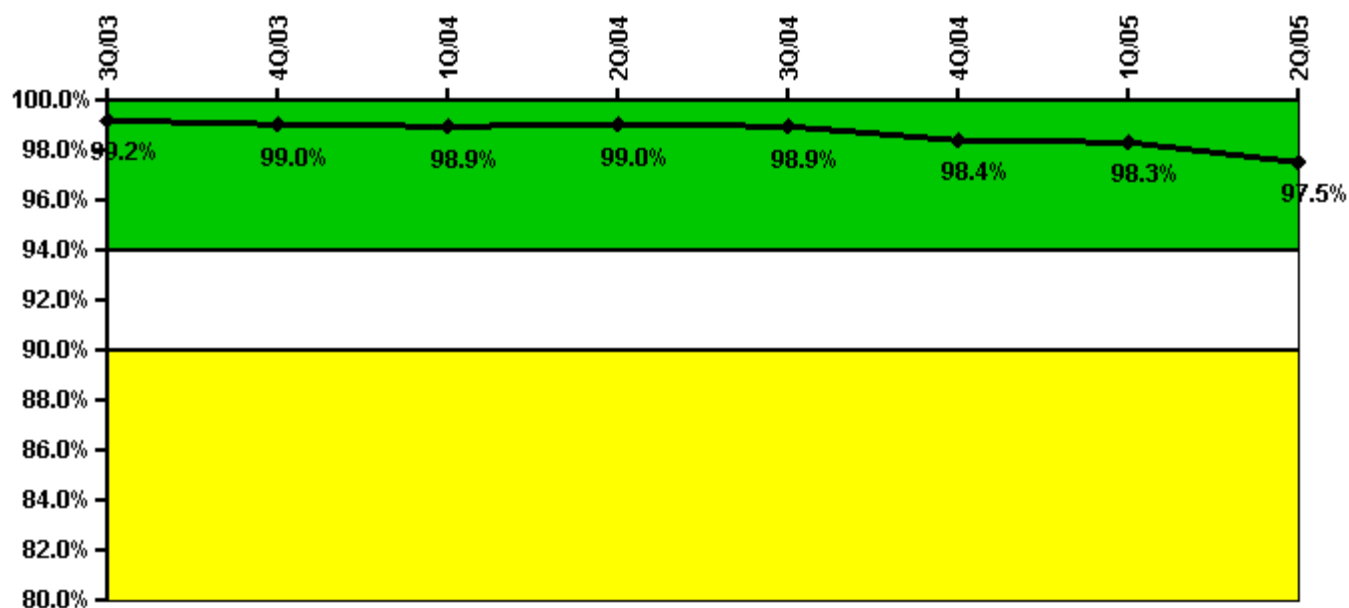
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	70.0	74.0	78.0	82.0	79.0	80.0	76.0	75.0
Total Key personnel	73.0	80.0	84.0	83.0	83.0	81.0	78.0	79.0
Indicator value	95.9%	92.5%	92.9%	98.8%	95.2%	98.8%	97.4%	94.9%

Licensee Comments: none

### Alert & Notification System



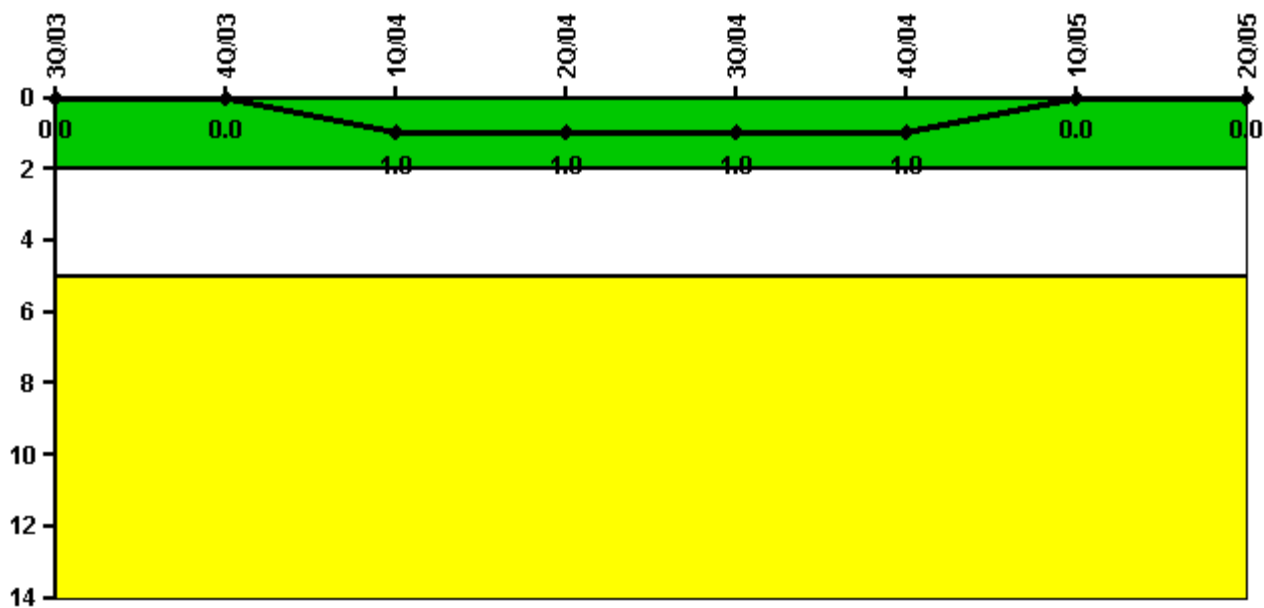
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	386	486	338	342	385	430	385	370
Total sirens-tests	392	490	343	343	392	441	392	386
Indicator value	99.2%	99.0%	98.9%	99.0%	98.9%	98.4%	98.3%	97.5%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



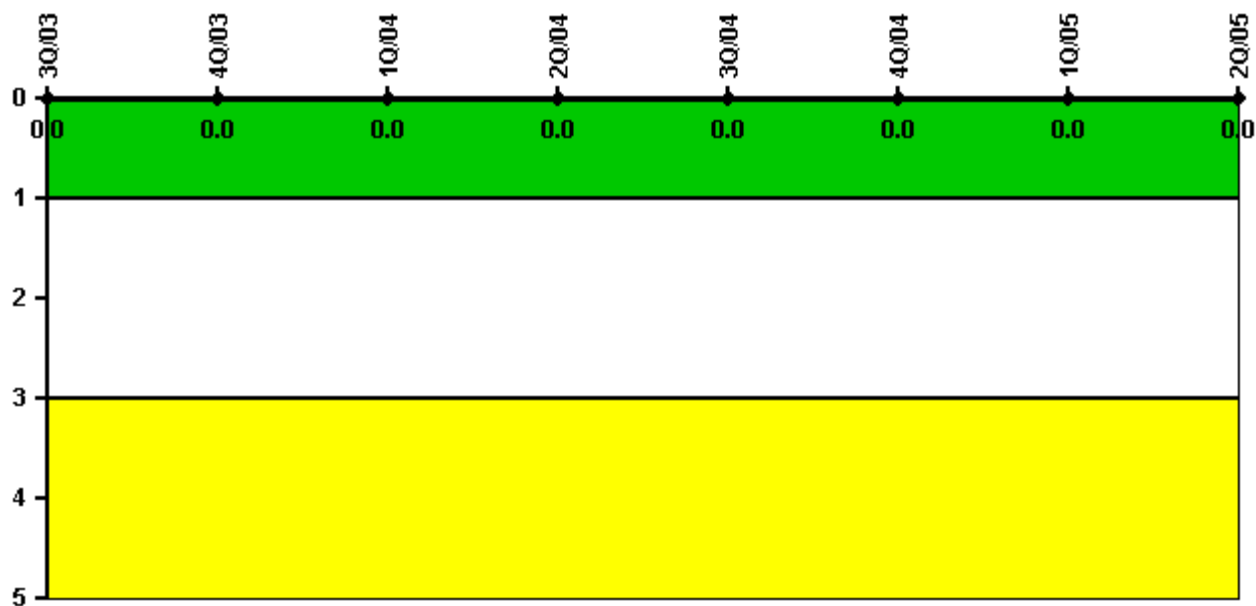
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/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.