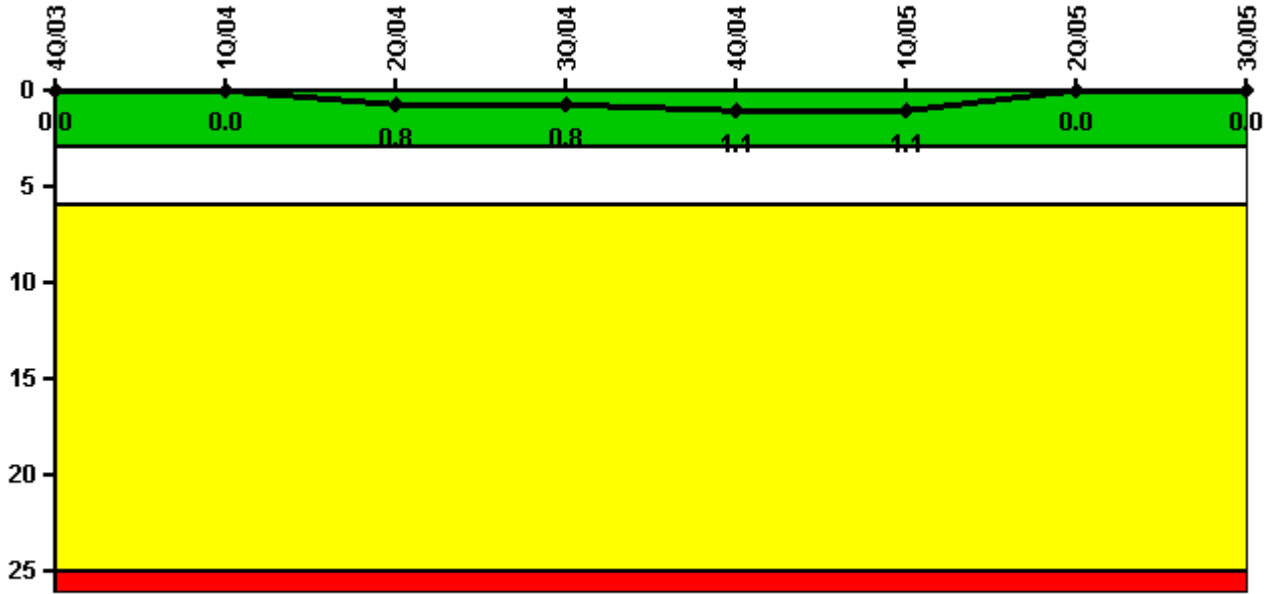


# San Onofre 3

## 3Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



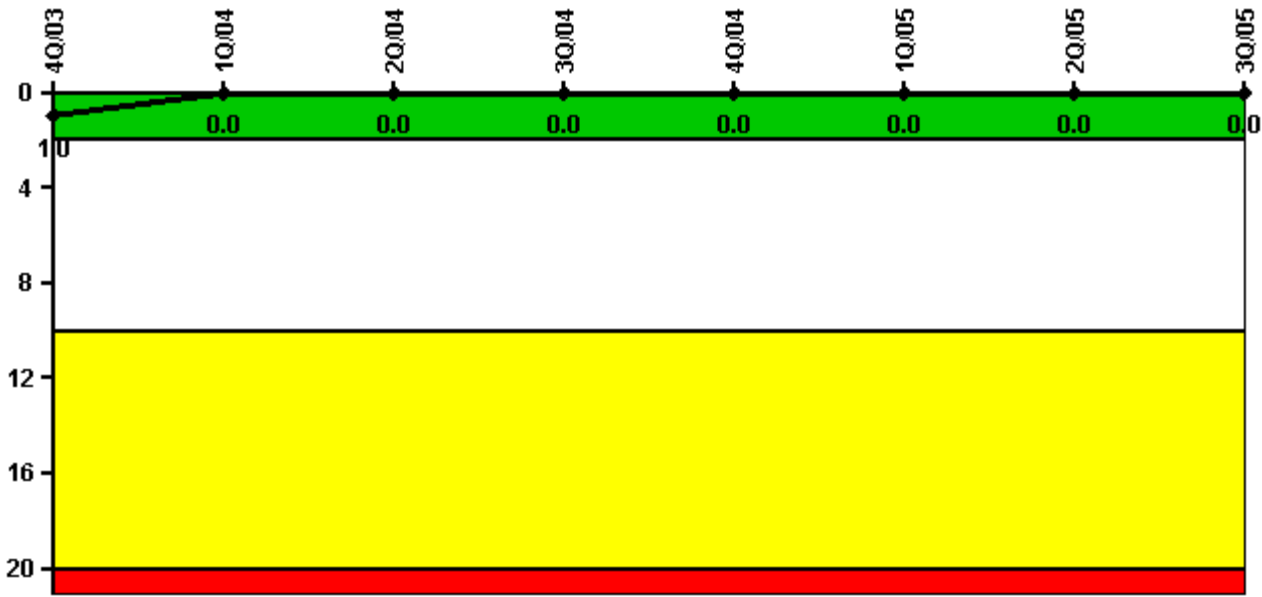
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

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

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



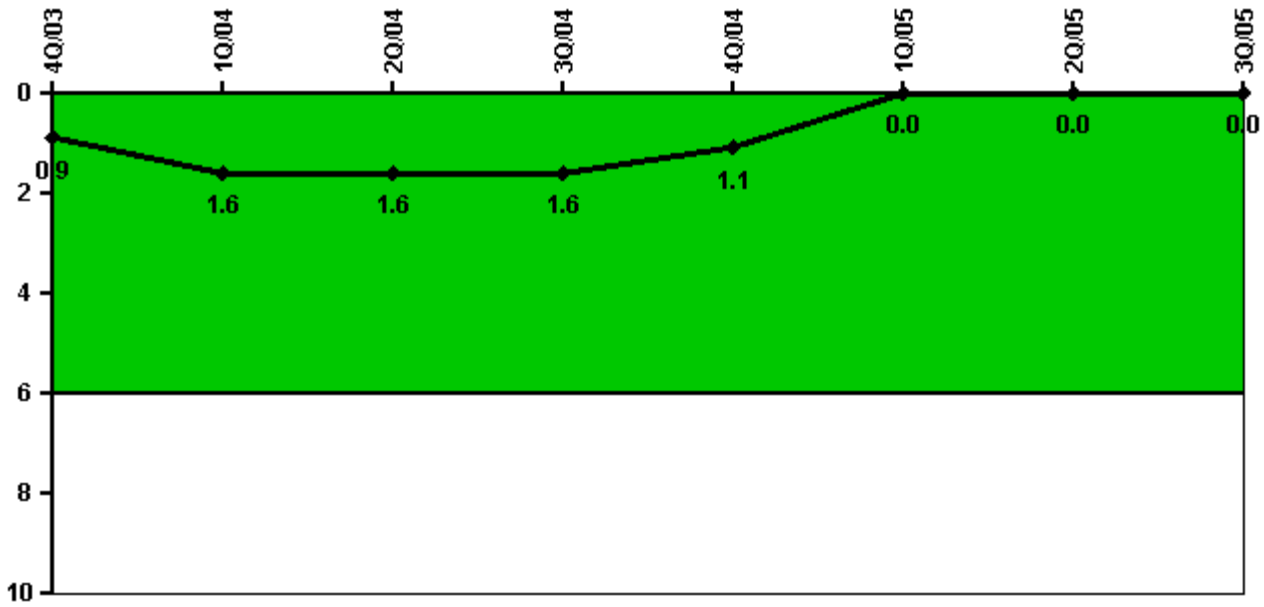
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



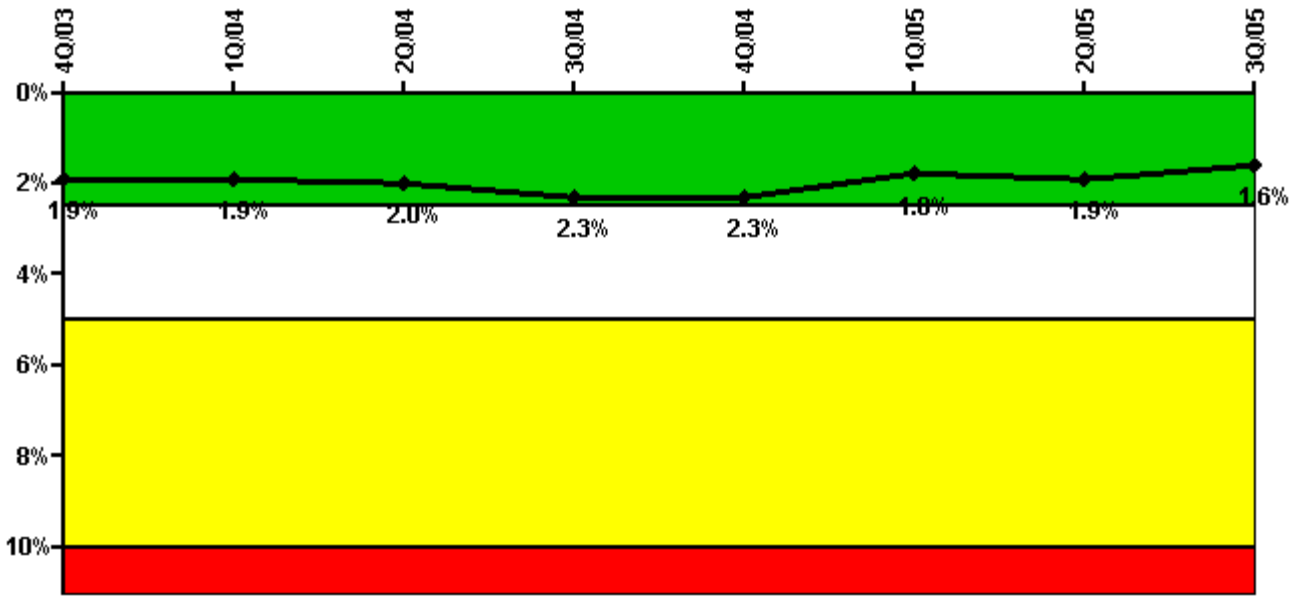
Thresholds: White > 6.0

#### Notes

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

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



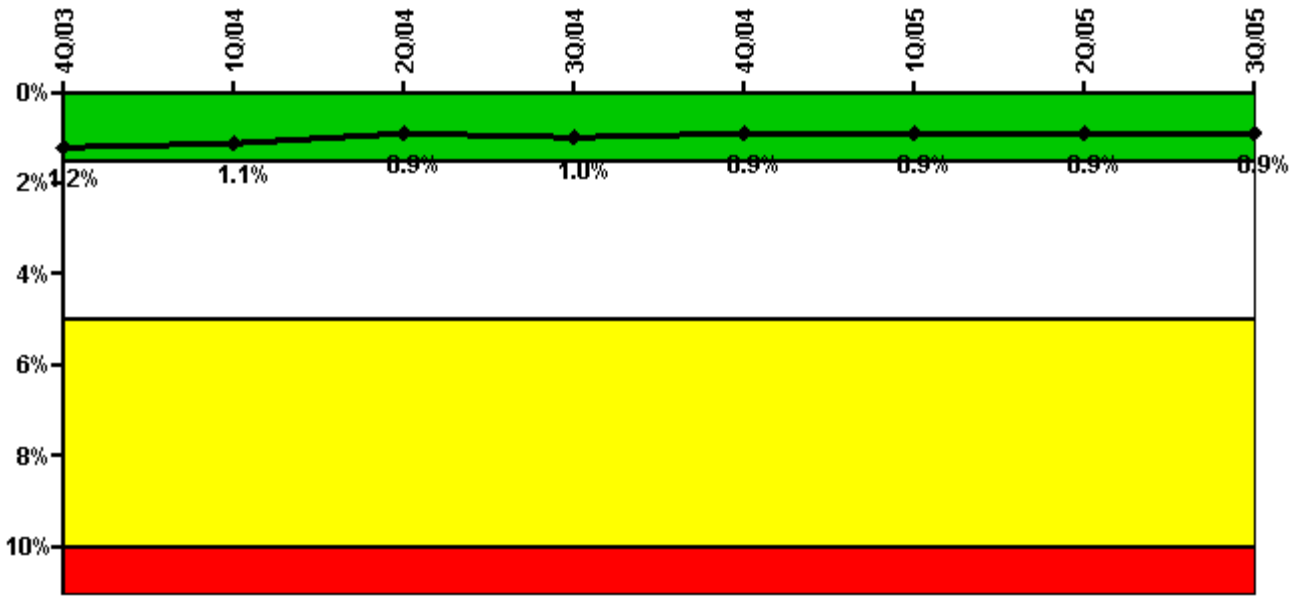
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	10.35	1.19	22.25	31.65	0.75	62.30	45.52	2.73
Unplanned unavailable hours	77.50	0	0	37.37	0	0	8.02	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0.45	17.40	25.31	20.70	0	2.27	12.54	39.48
Unplanned unavailable hours	64.25	0	0	71.18	0	0	14.52	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</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>	<b>1.6%</b>

Licensee Comments: none

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



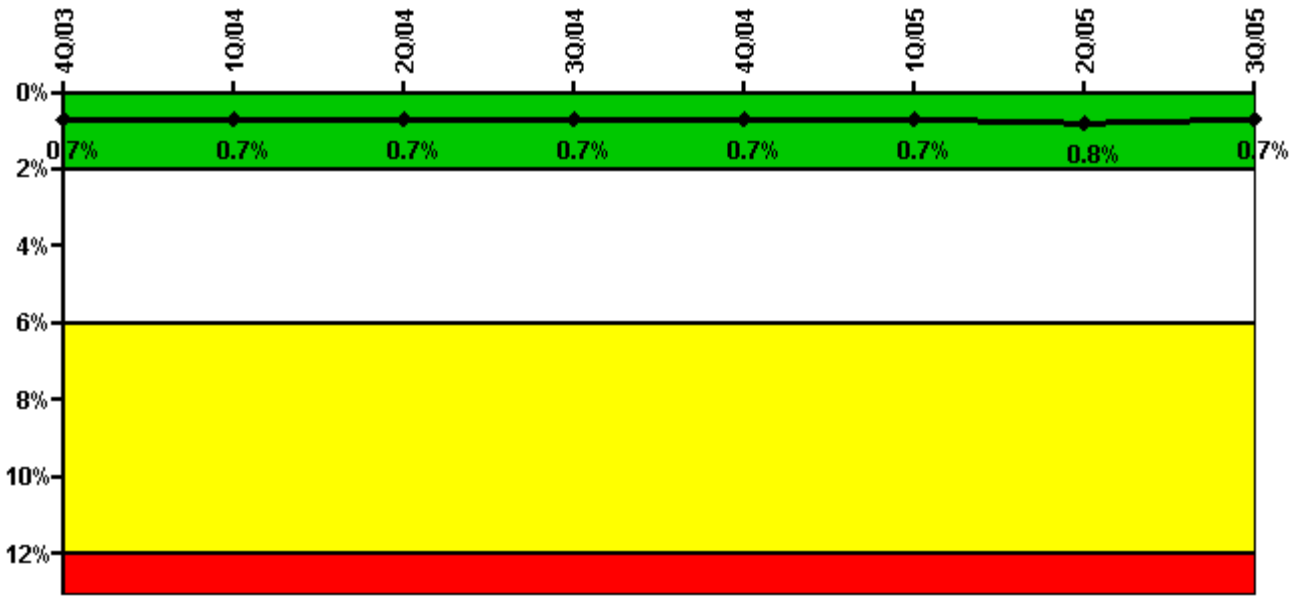
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	4.24	4.28	10.80	60.08	0.45	20.14	1.05	1.60
Unplanned unavailable hours	4.75	4.78	0	0	0	5.63	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	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63	2208.00
<b>Train 2</b>								
Planned unavailable hours	69.65	3.70	6.55	71.27	0.35	2.95	2.15	0.63
Unplanned unavailable hours	0	0	0	0	0	0.62	0	4.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63	2208.00
<b>Indicator value</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>	<b>0.9%</b>

Licensee Comments: none

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



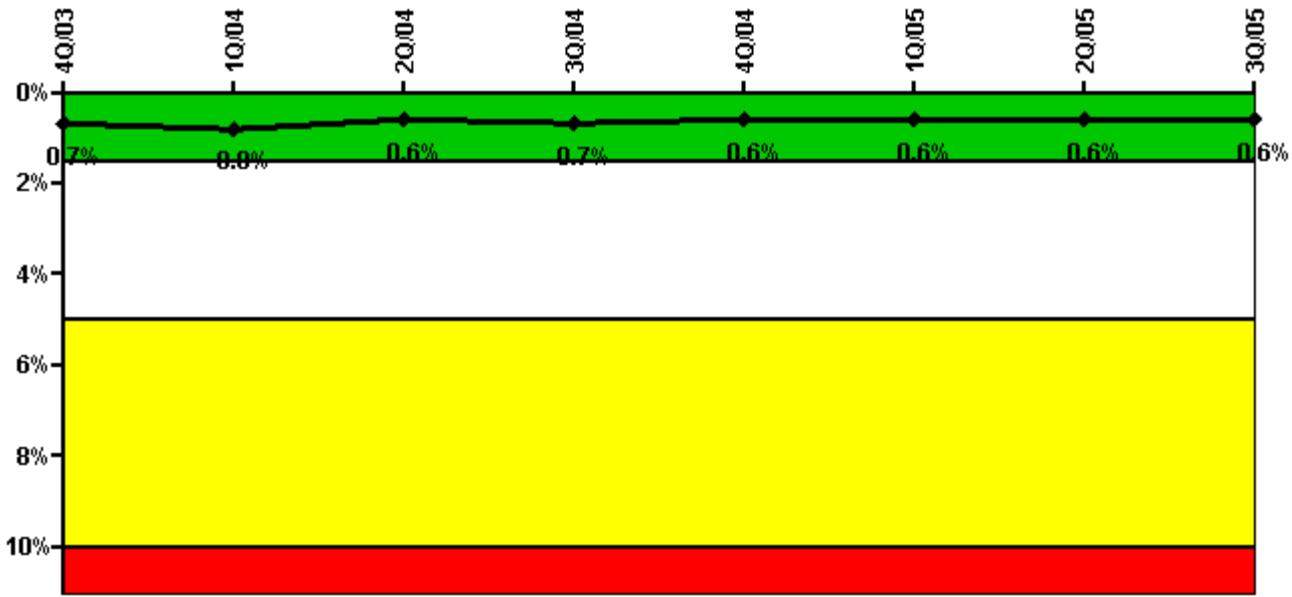
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	0.45	20.37	11.90	27.85	0	18.72	0	6.88
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	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63	2208.00
<b>Train 2</b>								
Planned unavailable hours	0.25	0.75	40.31	4.38	0	0	32.52	11.77
Unplanned unavailable hours	0	9.53	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	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63	2208.00
<b>Train 3</b>								
Planned unavailable hours	15.27	21.58	47.25	0.15	0	17.23	43.67	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	2209.00	2022.53	2138.87	2124.00	157.40	2160.00	2073.63	2208.00
<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>0.8%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



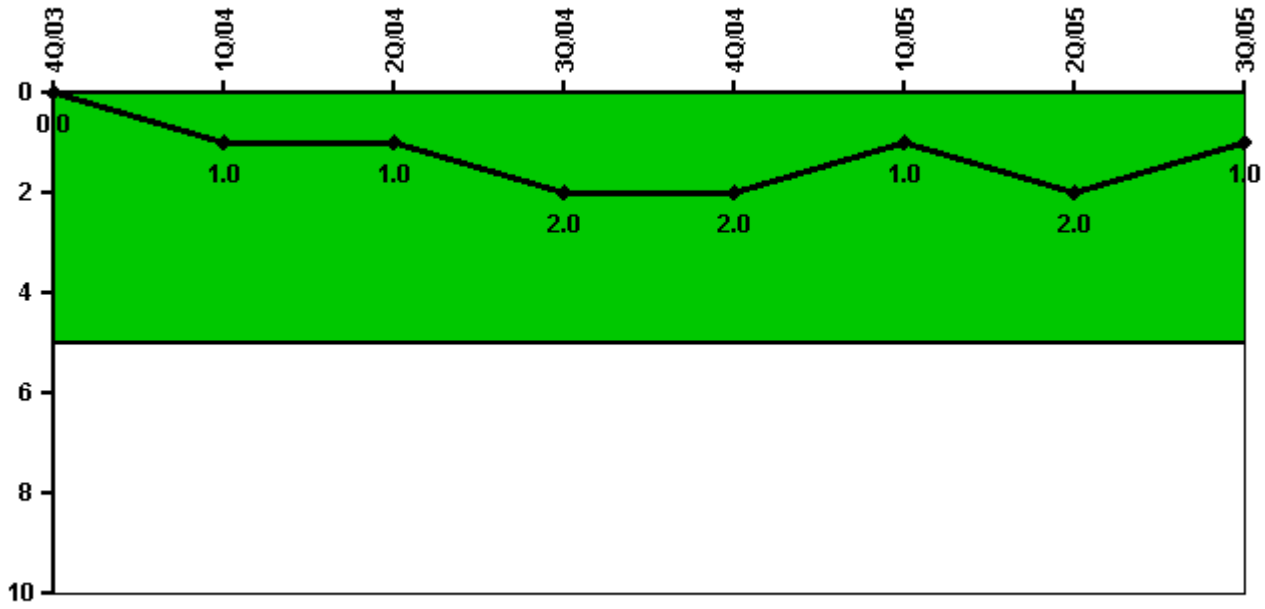
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	3.57	4.28	17.92	72.25	0	18.93	2.45	0.60
Unplanned unavailable hours	0	4.78	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	2209.00	2061.26	2183.00	2129.17	201.22	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	93.90	3.70	38.45	70.58	0	1.43	3.89	1.00
Unplanned unavailable hours	0	28.77	0	0	0	0.62	0	4.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2061.26	2183.00	2129.17	201.22	2160.00	2183.00	2208.00
<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	122.74	0	78.83	2007.78	0	0	0
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	0.15	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	122.74	0	78.83	2007.78	0	0	0
<b>Indicator value</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>	<b>0.6%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

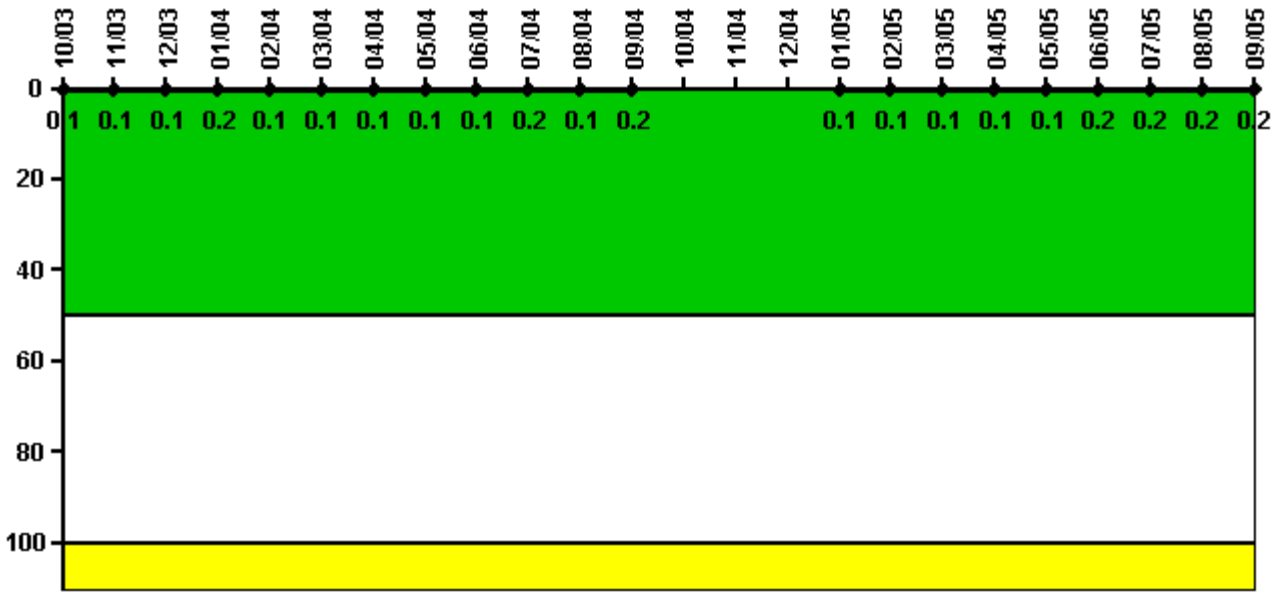
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



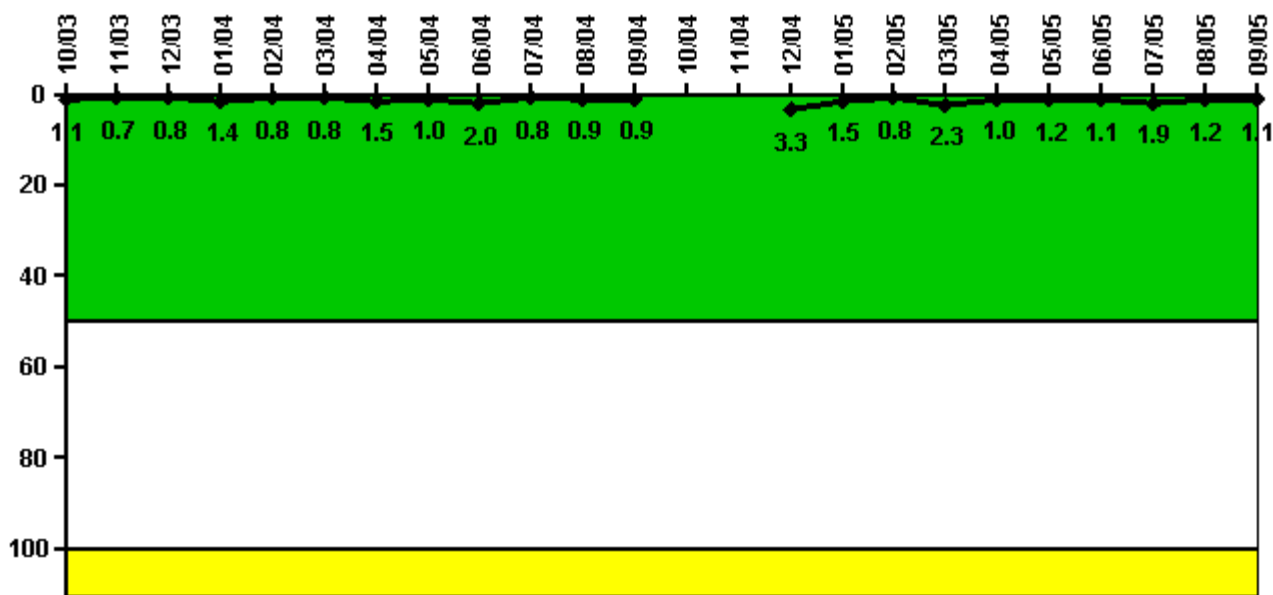
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.001250	0.001300	0.001260	0.001990	0.001190	0.001250	0.001290	0.001360	0.001320	0.001940	0.001470	0.001510
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	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	N/A	N/A	N/A	0.000887	0.000886	0.000966	0.000971	0.001020	0.001540	0.001680	0.001800	0.001750
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	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

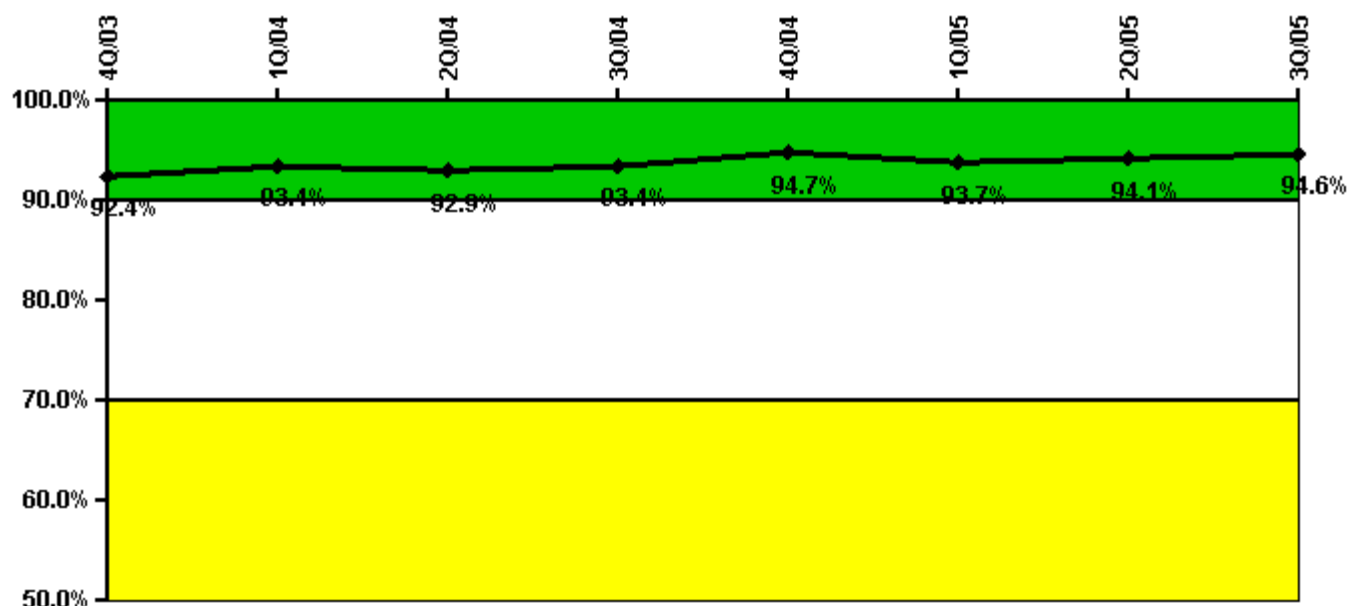
#### Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.110	0.070	0.080	0.140	0.080	0.080	0.150	0.100	0.200	0.080	0.090	0.090
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	1.1	0.7	0.8	1.4	0.8	0.8	1.5	1.0	2.0	0.8	0.9	0.9
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	N/A	N/A	0.330	0.150	0.080	0.230	0.100	0.120	0.110	0.190	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	N/A	N/A	3.3	1.5	0.8	2.3	1.0	1.2	1.1	1.9	1.2	1.1

Licensee Comments:

9/05: 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



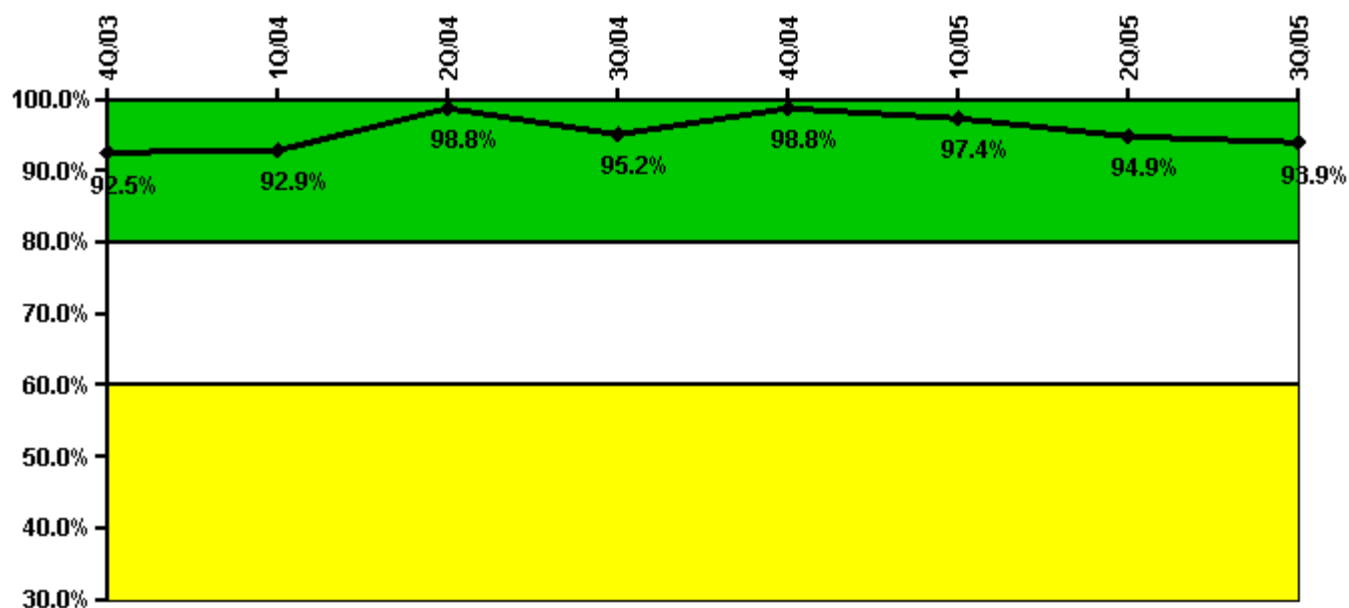
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	9.0	0	40.0	0	39.0	9.0	28.0	32.0
Total opportunities	9.0	0	44.0	0	41.0	10.0	29.0	33.0
Indicator value	92.4%	93.4%	92.9%	93.4%	94.7%	93.7%	94.1%	94.6%

Licensee Comments: none

### ERO Drill Participation



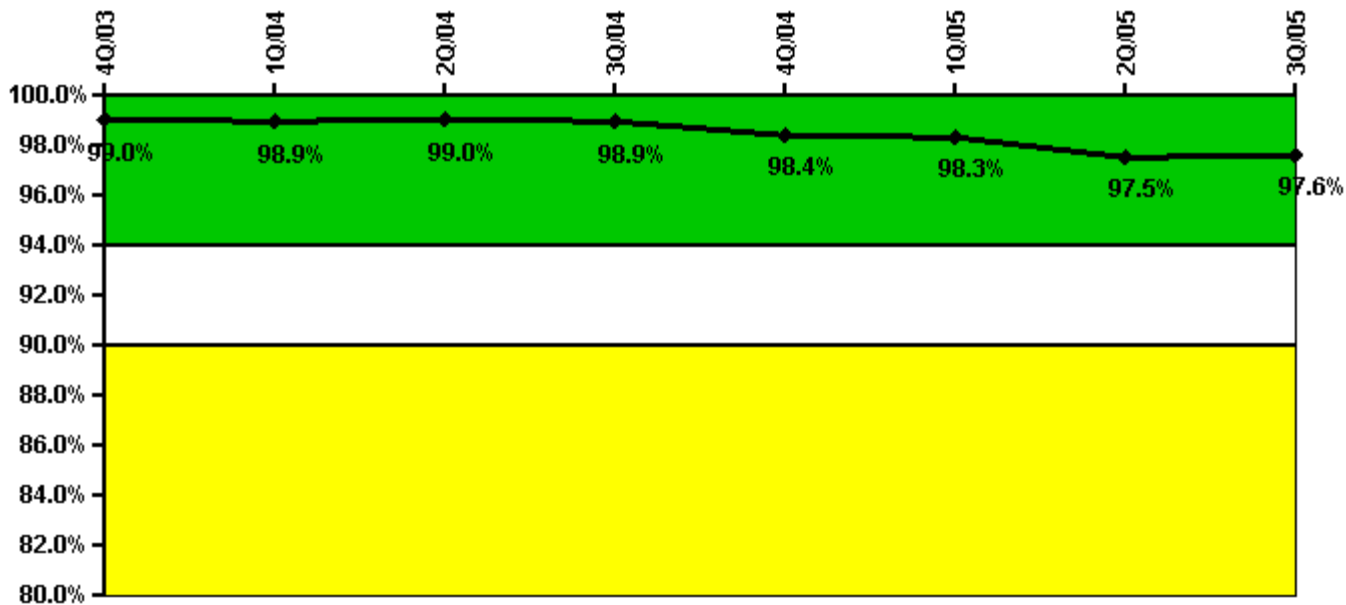
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	74.0	78.0	82.0	79.0	80.0	76.0	75.0	77.0
Total Key personnel	80.0	84.0	83.0	83.0	81.0	78.0	79.0	82.0
Indicator value	92.5%	92.9%	98.8%	95.2%	98.8%	97.4%	94.9%	93.9%

Licensee Comments: none

### Alert & Notification System



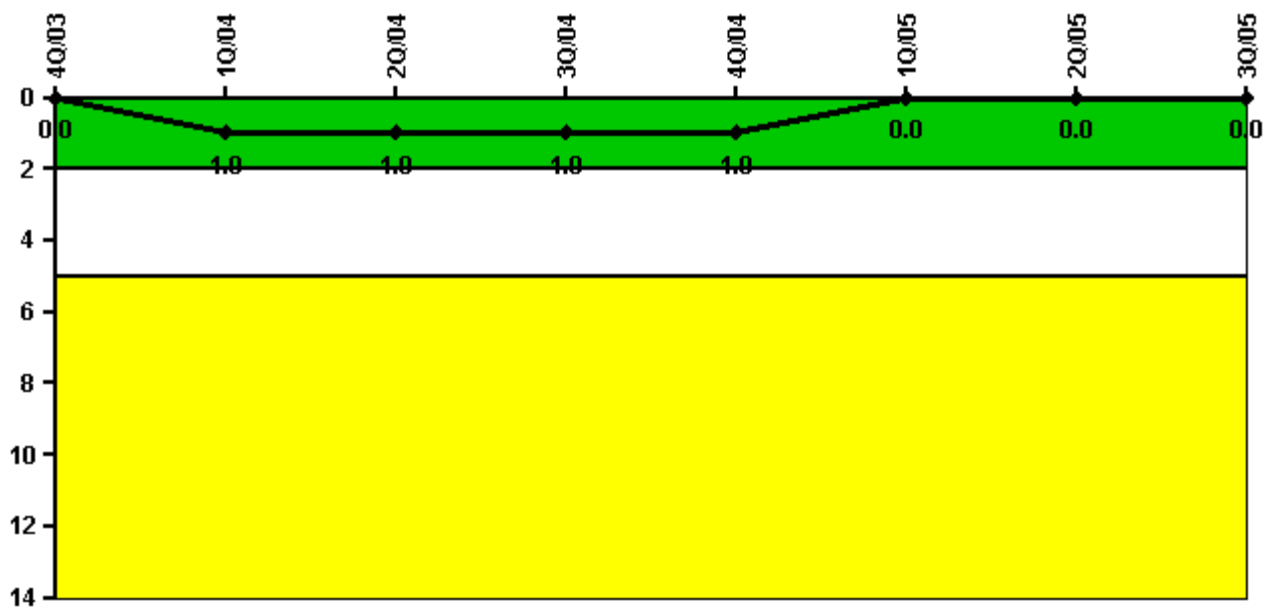
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	486	338	342	385	430	385	370	333
Total sirens-tests	490	343	343	392	441	392	386	336
Indicator value	99.0%	98.9%	99.0%	98.9%	98.4%	98.3%	97.5%	97.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



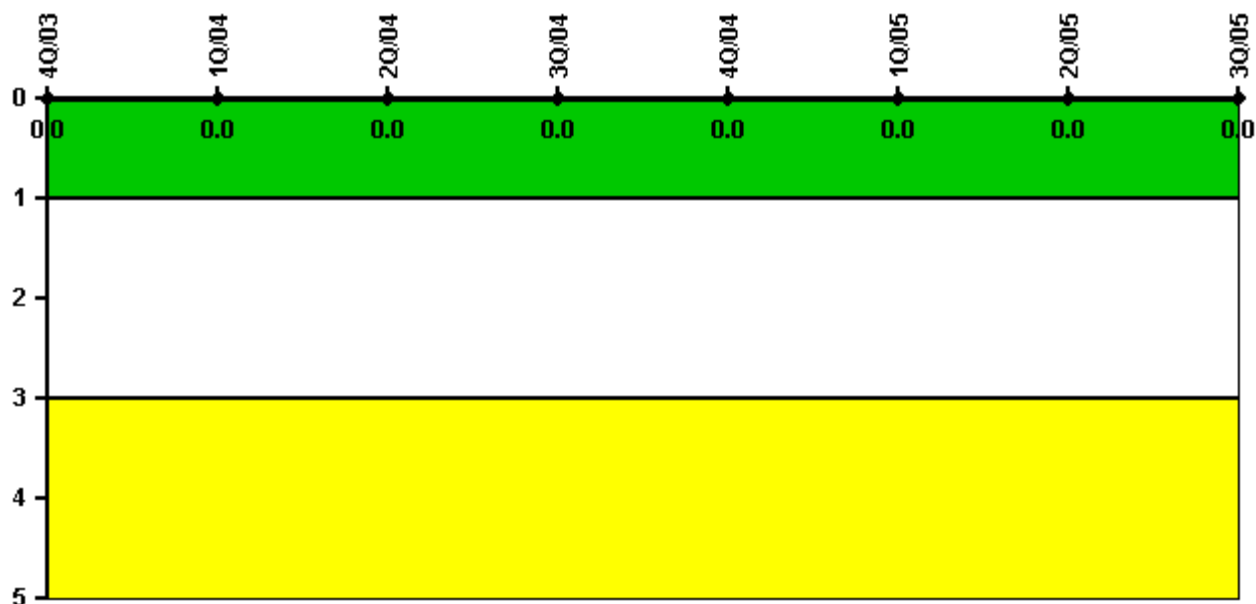
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	0	1	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
<b>Indicator value</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/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.