

# Saint Lucie 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**

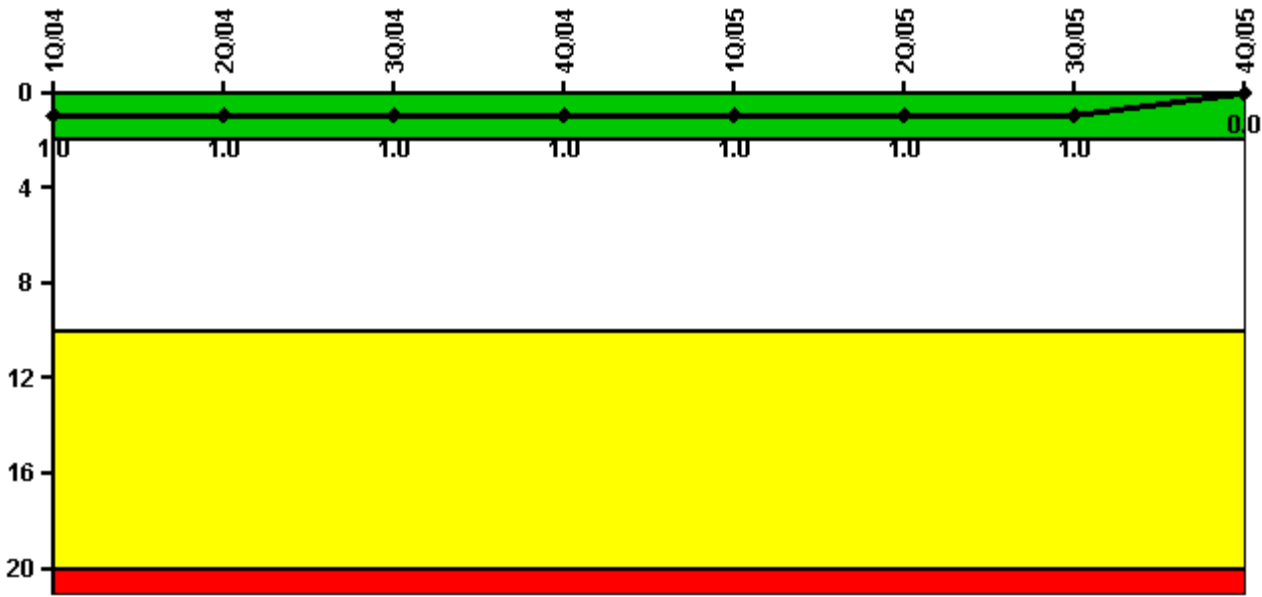
### Notes

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	1937.1	1633.3	1847.3	2166.5	2160.0	2183.0	2208.0	692.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

---

### Scrams with Loss of Normal Heat Removal



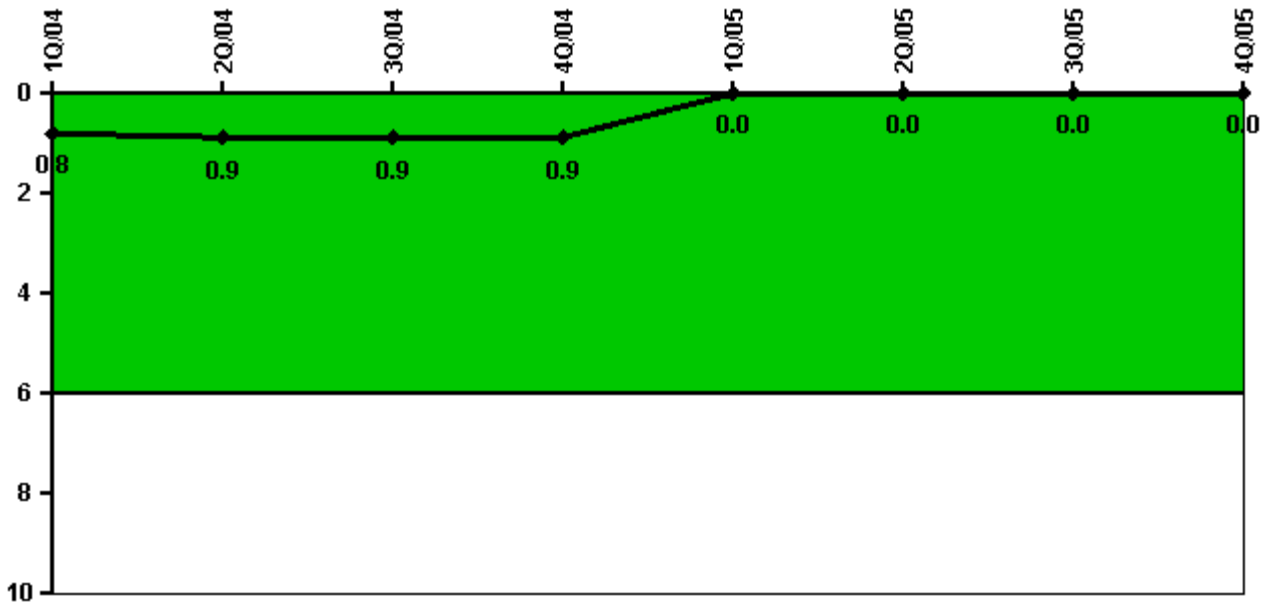
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



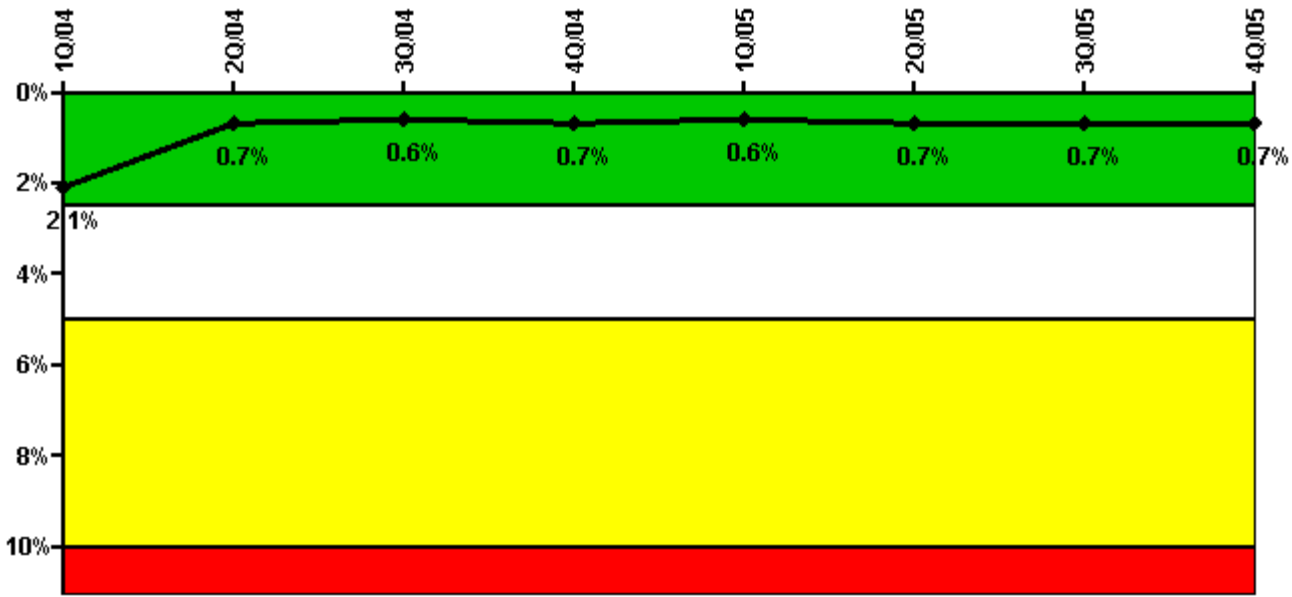
Thresholds: White > 6.0

#### 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	0	0	0	0	0	0	0
Critical hours	1937.1	1633.3	1847.3	2166.5	2160.0	2183.0	2208.0	692.0
Indicator value	0.8	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



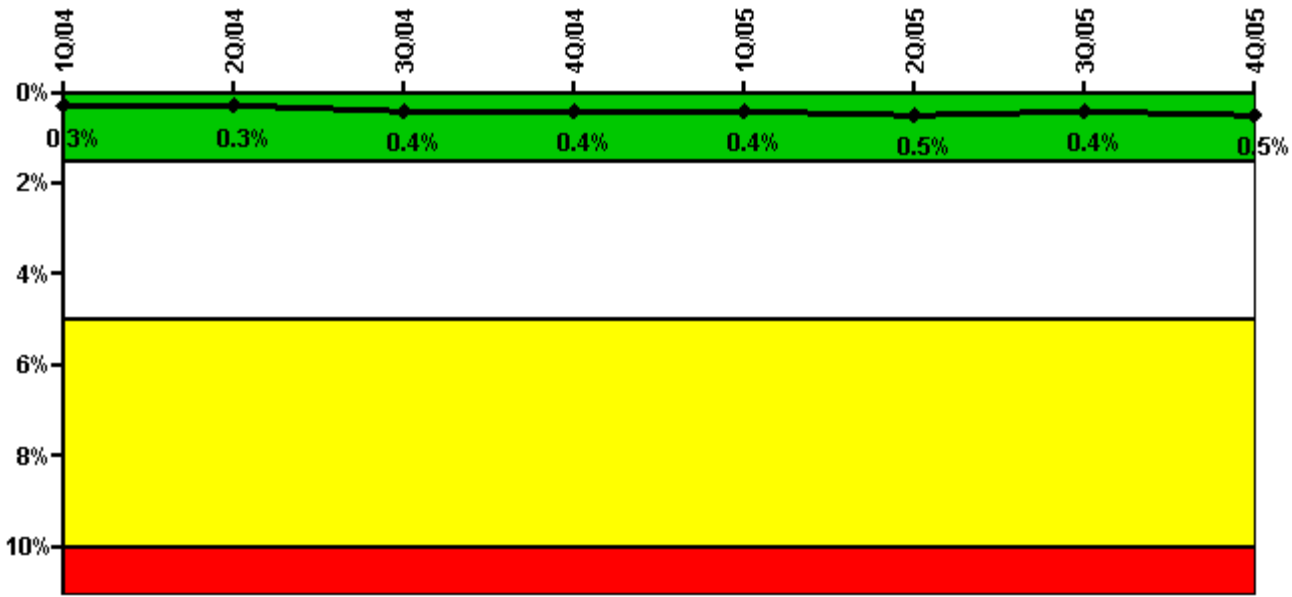
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	6.70	7.00	5.90	7.00	3.90	12.40	7.70	5.60
Unplanned unavailable hours	0	0	0	0	0	0.02	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	2068.60	1975.20	2208.00	2209.00	2160.00	2183.00	2208.00	1526.60
<b>Train 2</b>								
Planned unavailable hours	6.30	6.50	8.60	9.80	4.20	7.70	8.20	5.20
Unplanned unavailable hours	0	0	2.00	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	2068.60	1975.20	2208.00	2209.00	2160.00	2183.00	2208.00	1526.60
<b>Indicator value</b>	<b>2.1%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

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



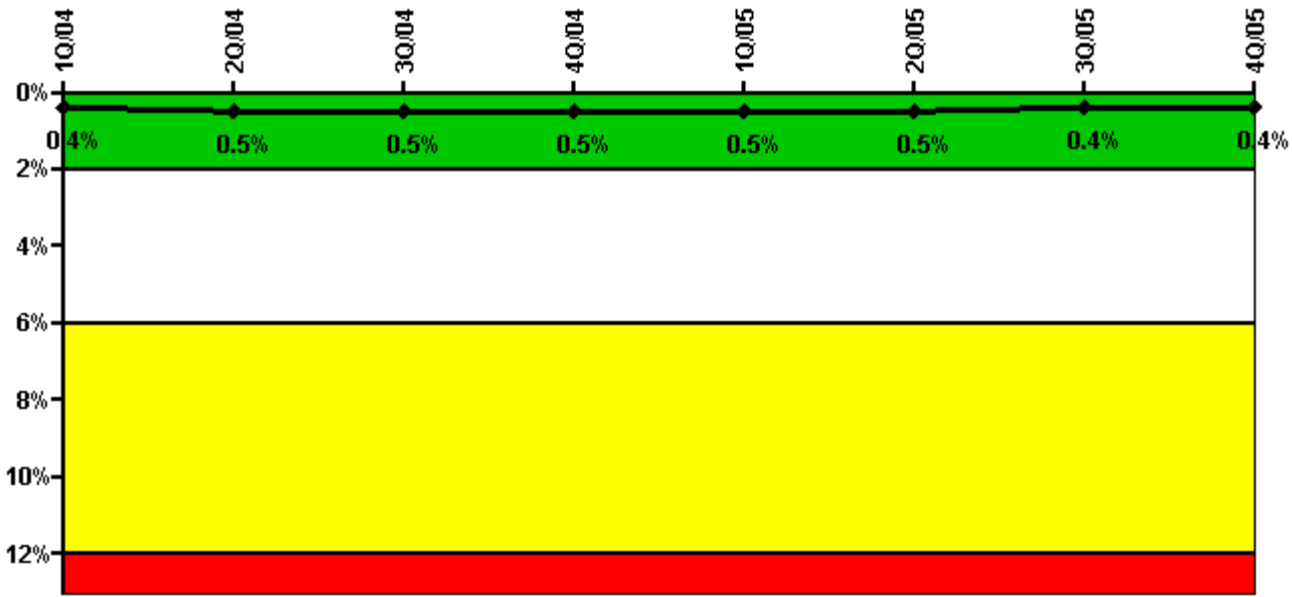
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### 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	1.30	14.20	0	24.00	1.40	11.30	1.10	23.90
Unplanned unavailable hours	0	0	0	18.90	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	1951.80	1767.50	2069.10	2209.00	2160.00	2183.00	2208.00	842.20
<b>Train 2</b>								
Planned unavailable hours	0	14.50	28.90	1.30	0.50	16.20	6.30	3.50
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	1951.80	1767.50	2069.10	2209.00	2160.00	2183.00	2208.00	842.20
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>

Licensee Comments: none

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



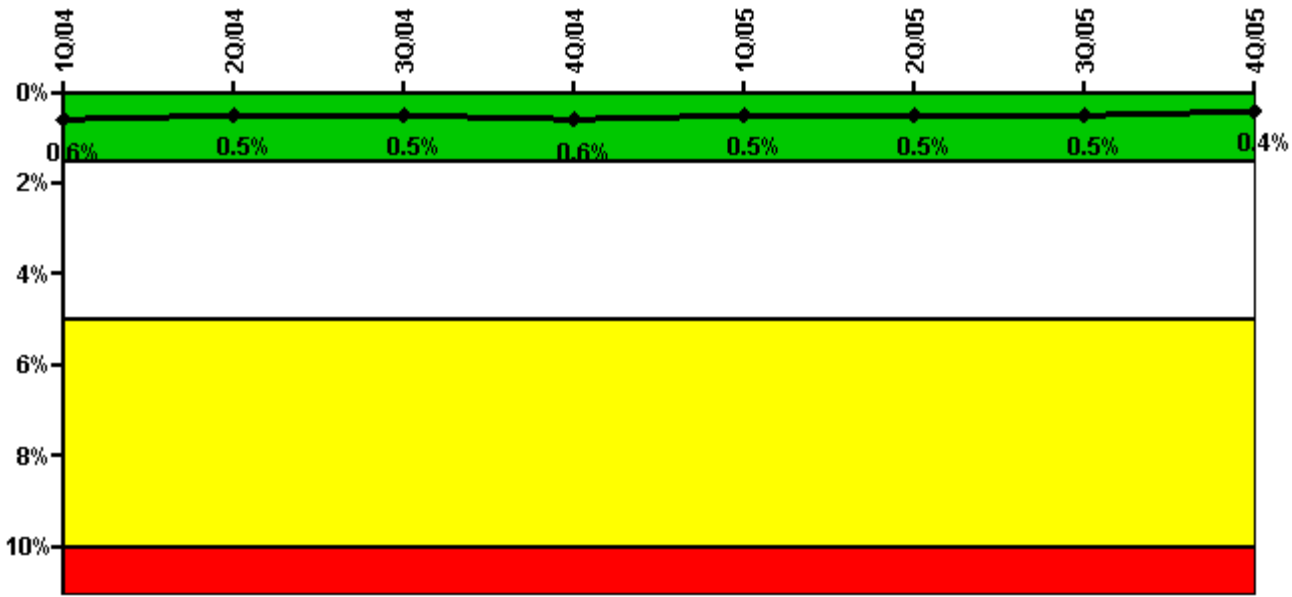
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

**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	1.20	9.80	0	11.90	2.70	0	0	0.40
Unplanned unavailable hours	0	0	0	13.70	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	1937.00	1609.00	1969.00	2209.00	2160.00	2183.00	2208.00	804.00
<b>Train 2</b>								
Planned unavailable hours	1.60	0	13.90	6.20	0	3.10	6.90	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	1937.00	1609.00	1969.00	2209.00	2160.00	2183.00	2208.00	804.00
<b>Train 3</b>								
Planned unavailable hours	8.10	25.50	4.10	13.90	4.90	3.00	2.60	3.10
Unplanned unavailable hours	0	46.60	0	0	0	0	0	4.20
Fault exposure hours	0	3.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1937.00	1609.00	1969.00	2209.00	2160.00	2183.00	2208.00	804.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



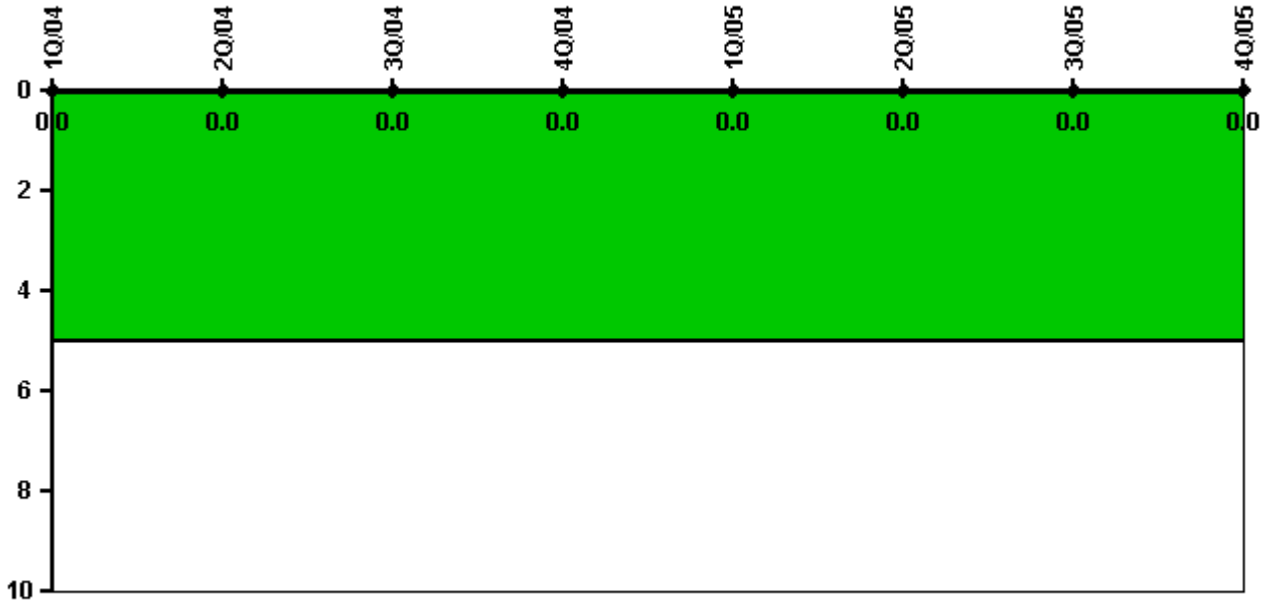
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	44.30	2.60	1.30	52.60	25.40	2.60	5.40	0.30
Unplanned unavailable hours	0	0	0	18.90	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	1941.80	1701.70	1885.20	2209.00	2160.00	2183.00	2208.00	768.20
<b>Train 2</b>								
Planned unavailable hours	10.40	16.20	68.30	22.50	10.60	2.30	14.00	5.00
Unplanned unavailable hours	9.50	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	1941.80	1701.70	1885.20	2209.00	2160.00	2183.00	2208.00	768.20
<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	236.30	288.70	241.00	0	0	0	0	995.80
<b>Train 4</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	236.30	288.70	241.00	0	0	0	0	995.80
<b>Indicator value</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

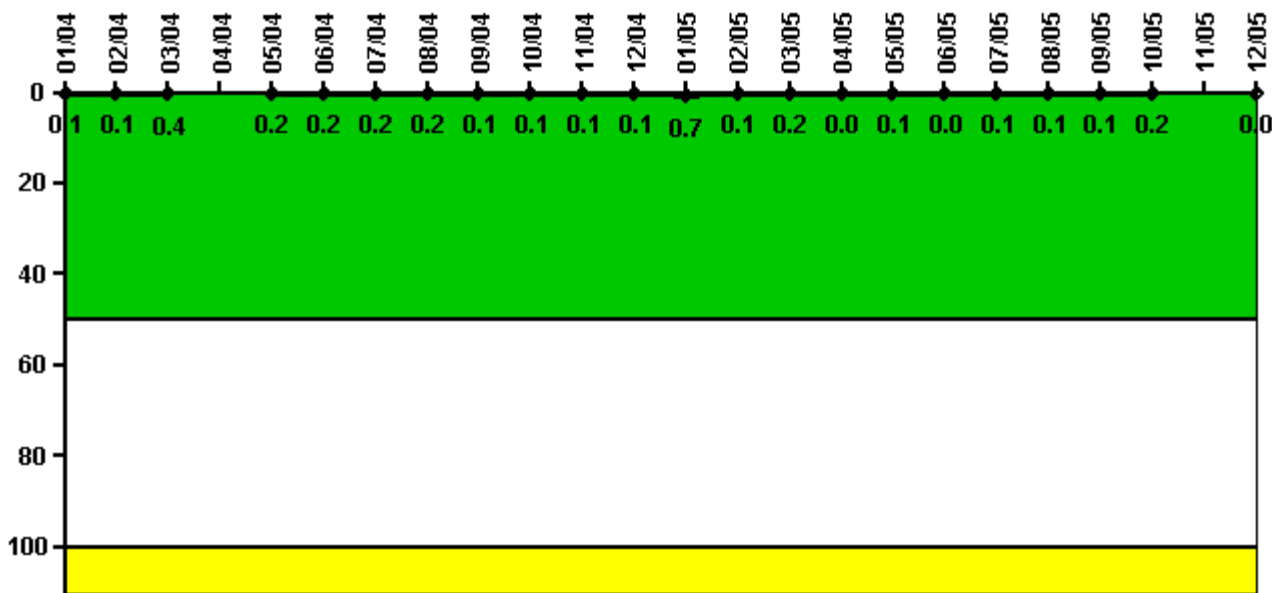
#### Notes

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

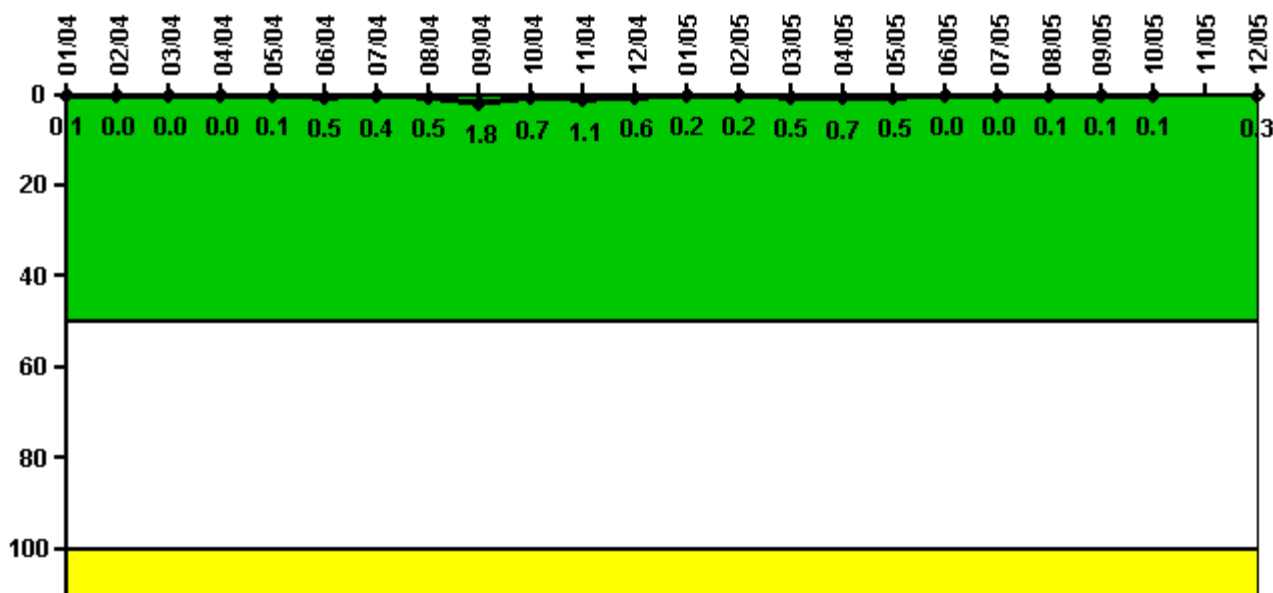
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.001260	0.001390	0.004400	N/A	0.001930	0.002130	0.002150	0.001860	0.000903	0.000648	0.000634	0.001050
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.4	N/A	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

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	0.006540	0.000655	0.002160	0.000487	0.001160	0.000486	0.000772	0.000719	0.000755	0.001540	N/A	0.000313
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	0.7	0.1	0.2	0	0.1	0	0.1	0.1	0.1	0.2	N/A	0

Licensee Comments: none

### Reactor Coolant System Leakage



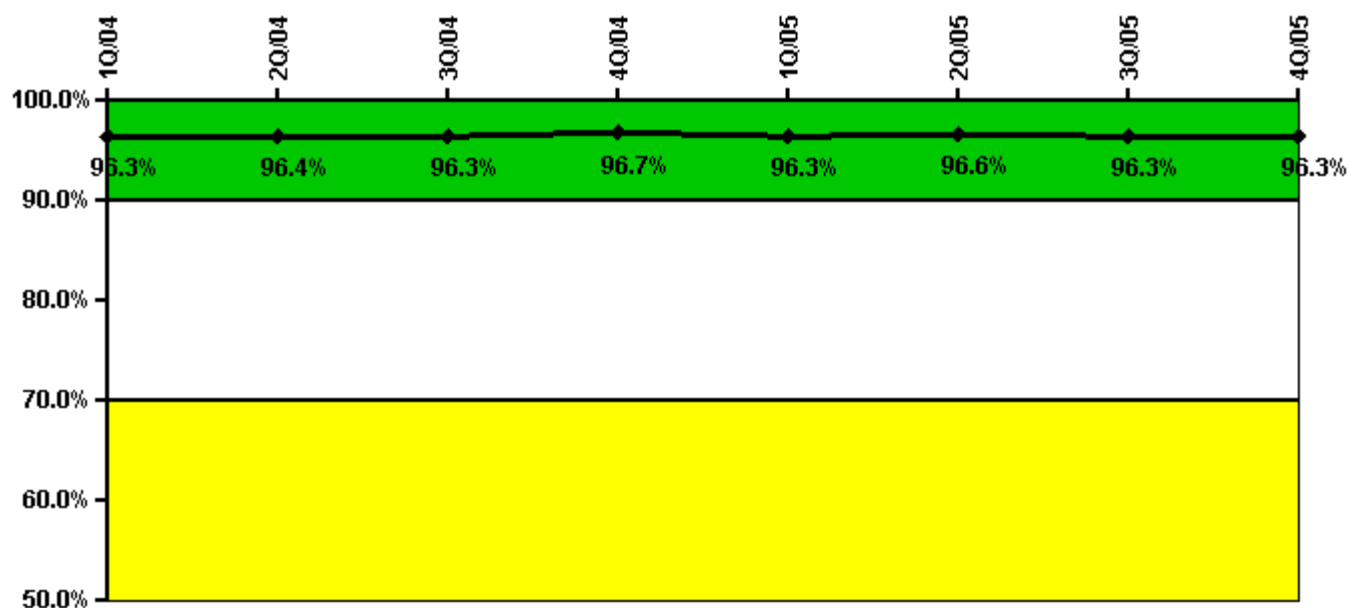
**Thresholds: White > 50.0 Yellow > 100.0**

**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	0.010	0	0	0	0.010	0.050	0.040	0.054	0.180	0.070	0.110	0.060
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
<b>Indicator value</b>	<b>0.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0.5</b>	<b>0.4</b>	<b>0.5</b>	<b>1.8</b>	<b>0.7</b>	<b>1.1</b>	<b>0.6</b>
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	0.020	0.020	0.050	0.070	0.045	0	0.003	0.005	0.010	0.009	N/A	0.030
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
<b>Indicator value</b>	<b>0.2</b>	<b>0.2</b>	<b>0.5</b>	<b>0.7</b>	<b>0.5</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>N/A</b>	<b>0.3</b>

Licensee Comments: none

### Drill/Exercise Performance



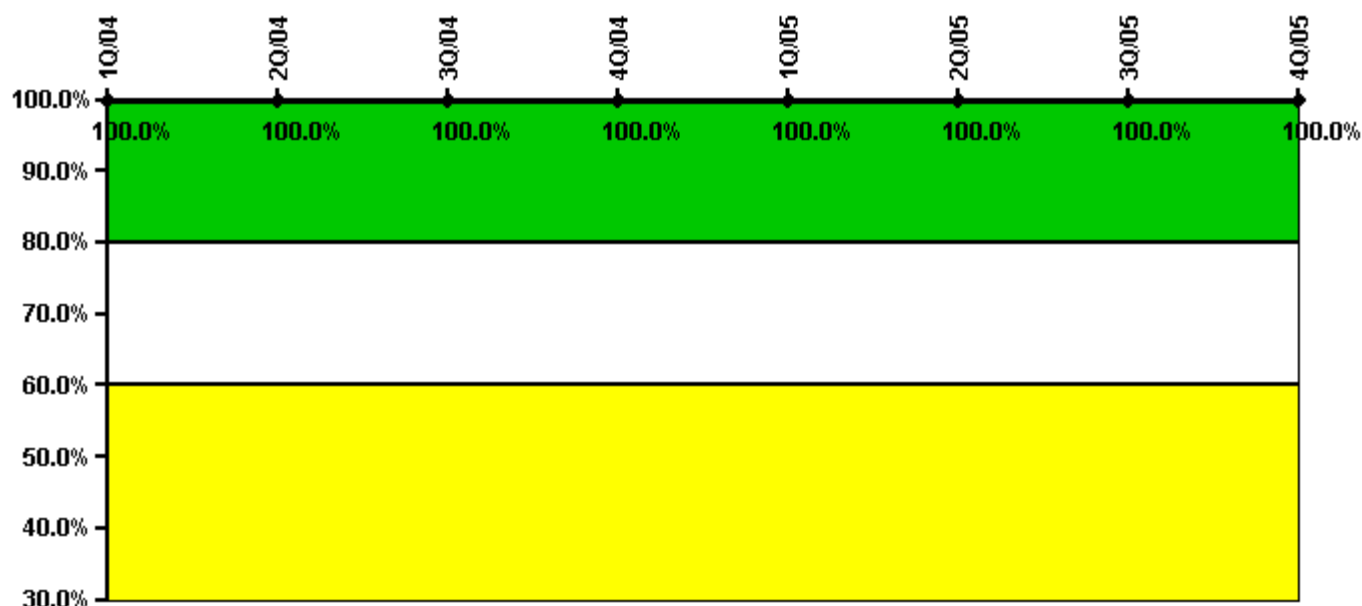
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	50.0	47.0	60.0	28.0	39.0	88.0	67.0	9.0
Total opportunities	51.0	49.0	63.0	28.0	41.0	90.0	71.0	10.0
Indicator value	96.3%	96.4%	96.3%	96.7%	96.3%	96.6%	96.3%	96.3%

Licensee Comments: none

### ERO Drill Participation



**Thresholds: White < 80.0% Yellow < 60.0%**

**Notes**

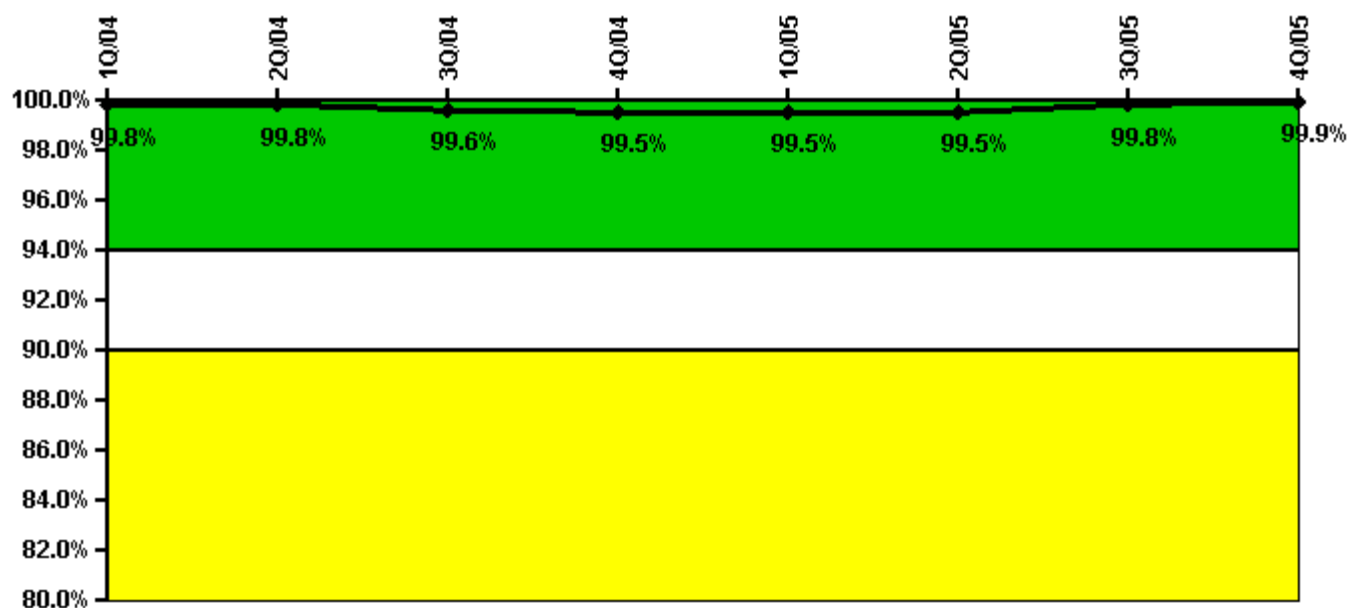
ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	77.0	85.0	86.0	86.0	89.0	87.0	88.0	87.0
Total Key personnel	77.0	85.0	86.0	86.0	89.0	87.0	88.0	87.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

4Q/05: A change file was necessary to swap the submitted ERO participation data from the October to December data elements. This data swap performed no change to the aggregate 4Q/2005 data, but is necessary for CDE 2.0 to properly calculate the indicator value.

---

### 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	712	622	614	621	712	621	711	536
Total sirens-tests	712	623	623	623	712	623	712	536
Indicator value	99.8%	99.8%	99.6%	99.5%	99.5%	99.5%	99.8%	99.9%

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	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>0</b>	<b>0</b>	<b>0</b>	<b>0</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	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.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 30, 2006