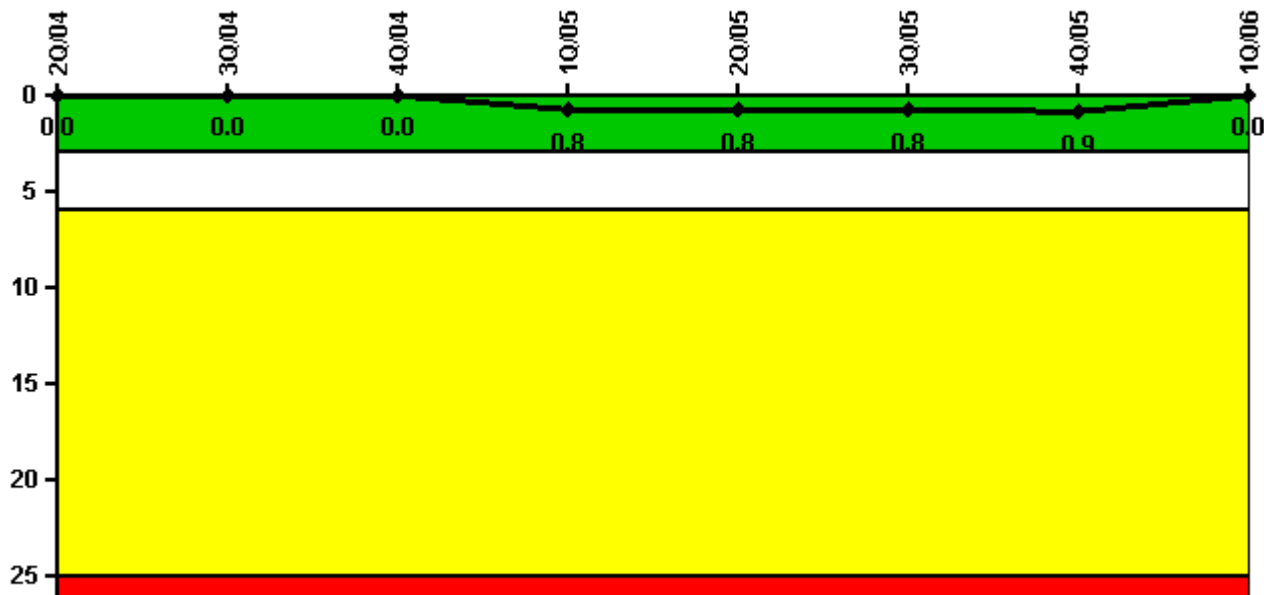


# Grand Gulf 1

## 1Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



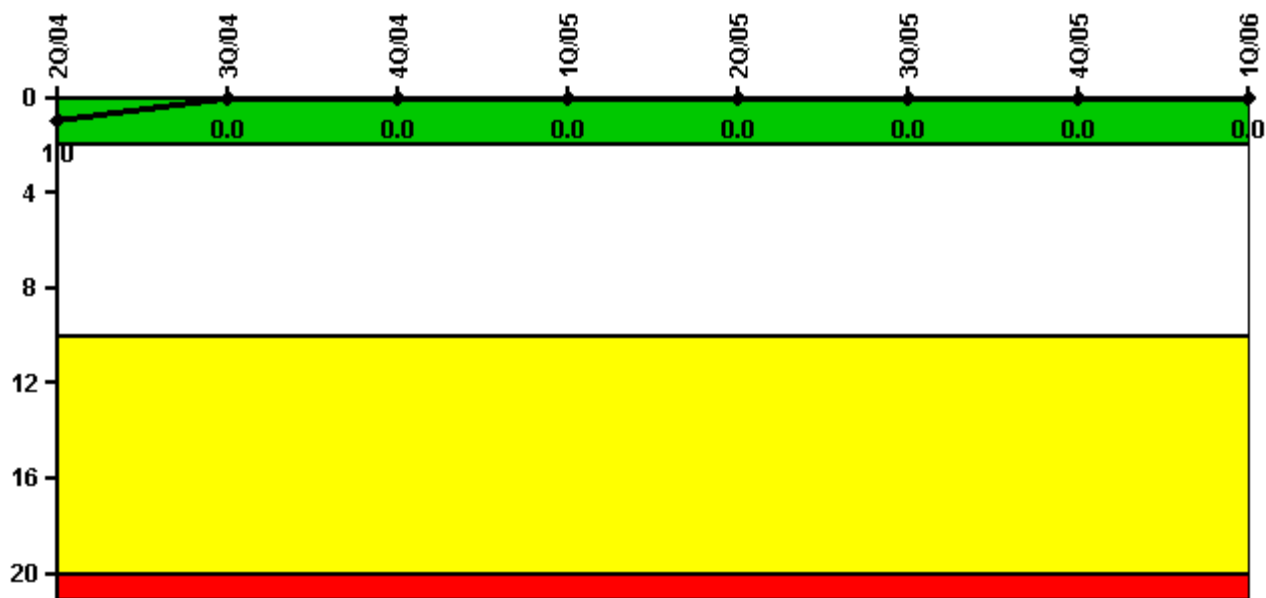
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2121.9	2183.0	1916.0	1831.5	2160.0
Indicator value	0	0	0	0.8	0.8	0.8	0.9	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



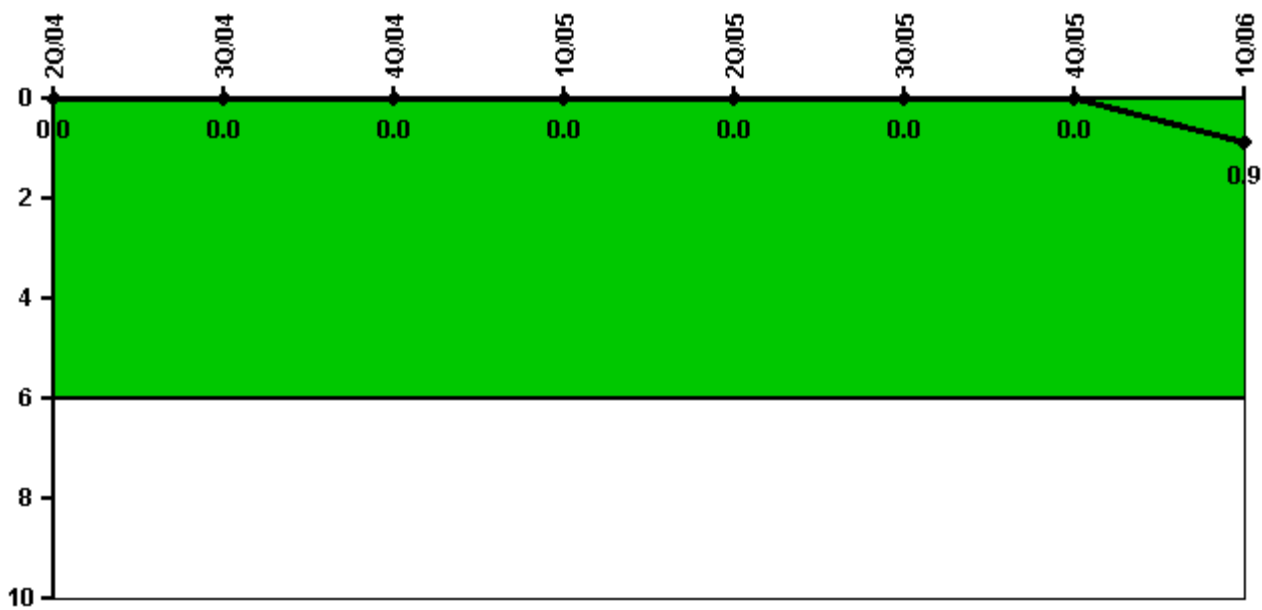
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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



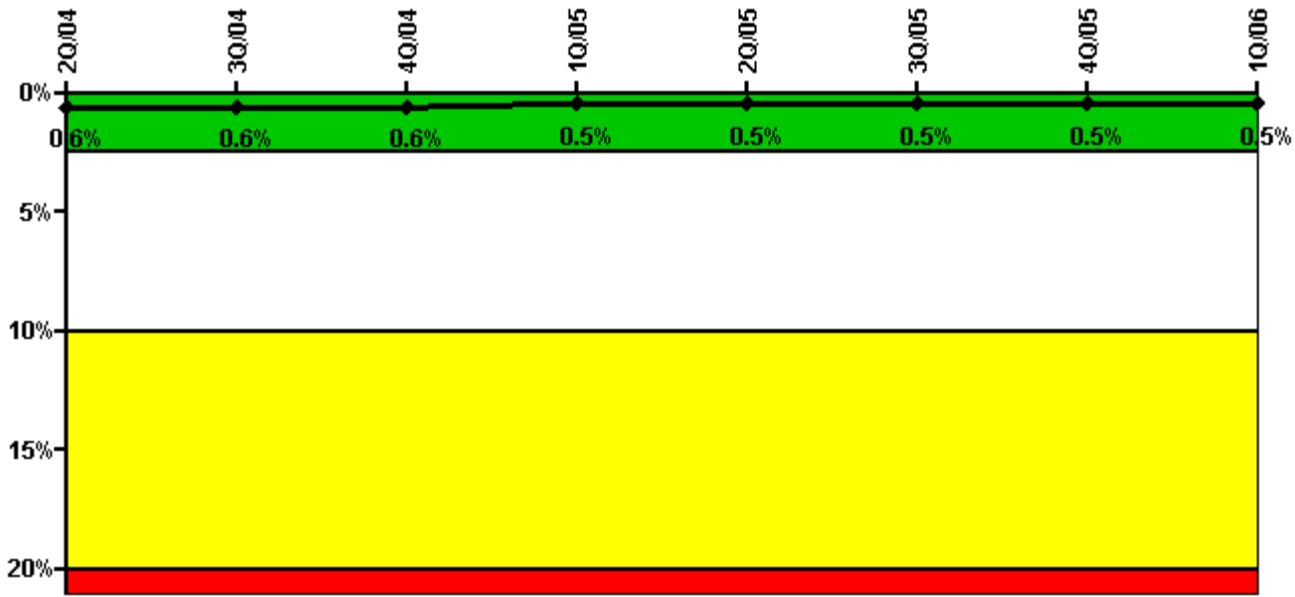
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2121.9	2183.0	1916.0	1831.5	2160.0
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

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



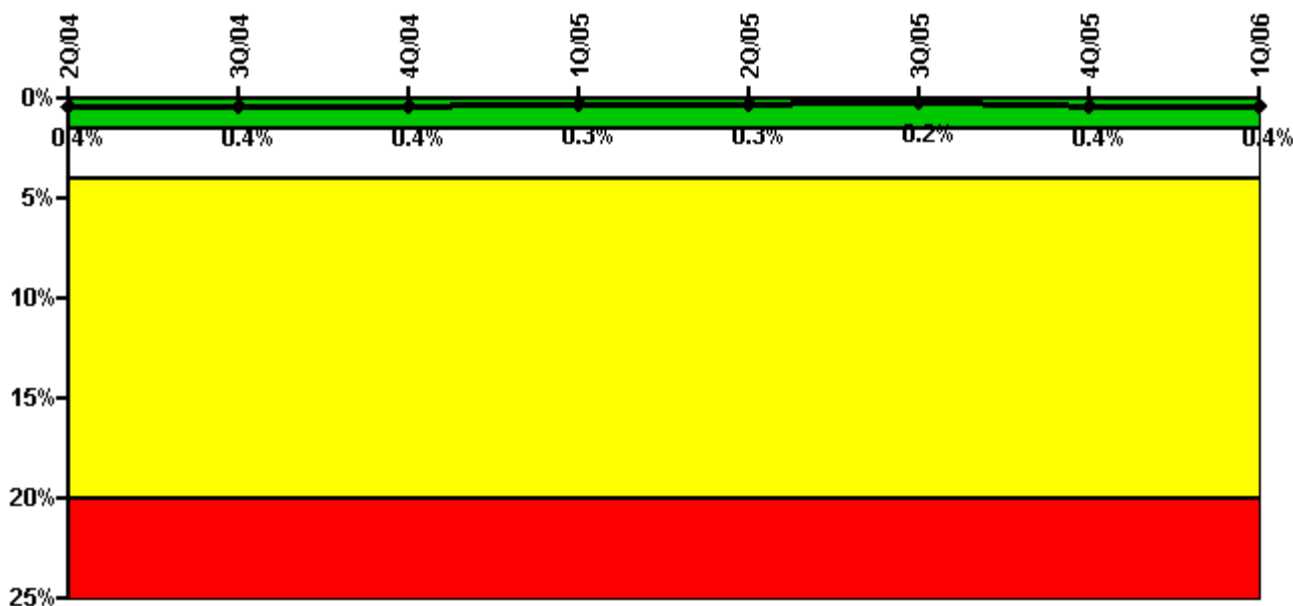
**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0.82	1.23	10.19	32.06	1.52	1.47	1.30	8.61
Unplanned unavailable hours	35.57	0.67	0	0	0	0	0.17	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0.70	0.70	9.40	1.37	1.62	1.35	1.15	1.30
Unplanned unavailable hours	0	0	0	0	0	0.10	38.30	0.17
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	1.43	29.12	16.82	0.68	18.10	0.80	4.48	1.00
Unplanned unavailable hours	0	2.60	0	10.59	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</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>	<b>0.5%</b>

Licensee Comments: none

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



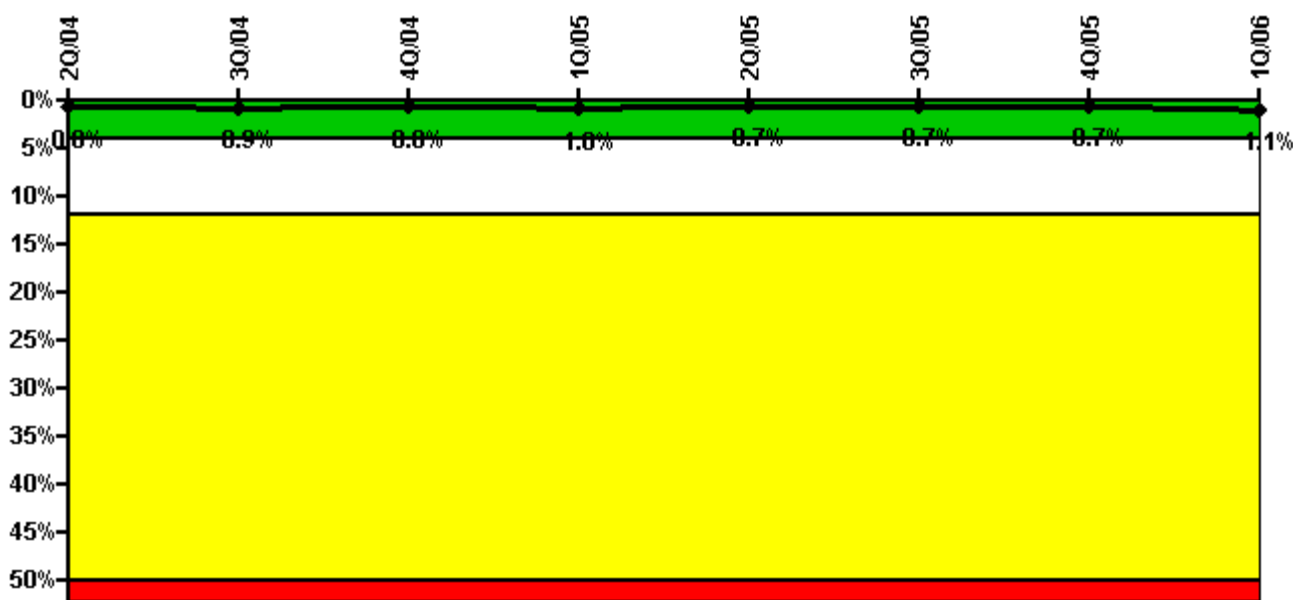
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	5.30	14.11	17.16	5.05	1.45	0.98	47.95	1.80
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	2183.00	2208.00	2209.00	2160.00	2183.00	1916.00	1831.50	2160.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

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



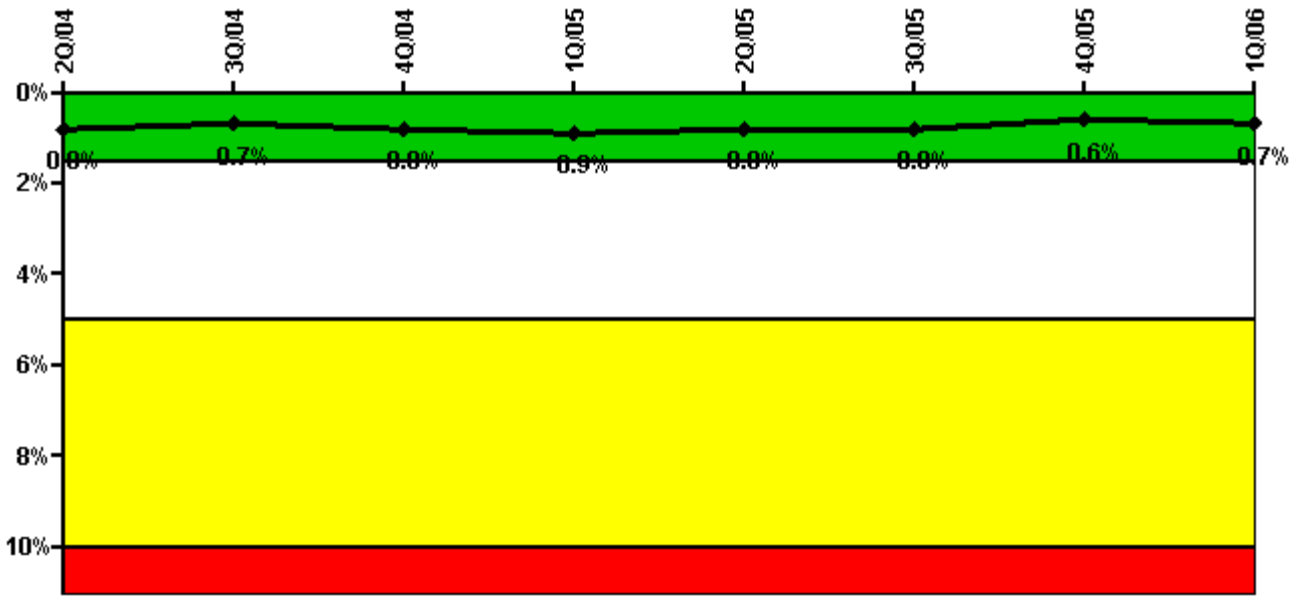
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	4.09	6.04	4.35	42.49	13.06	4.73	13.99	116.03
Unplanned unavailable hours	0	20.57	0	5.29	7.84	2.53	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	2183.00	2208.00	2209.00	2160.00	2183.00	1916.00	1831.50	2160.00
<b>Indicator value</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>1.1%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



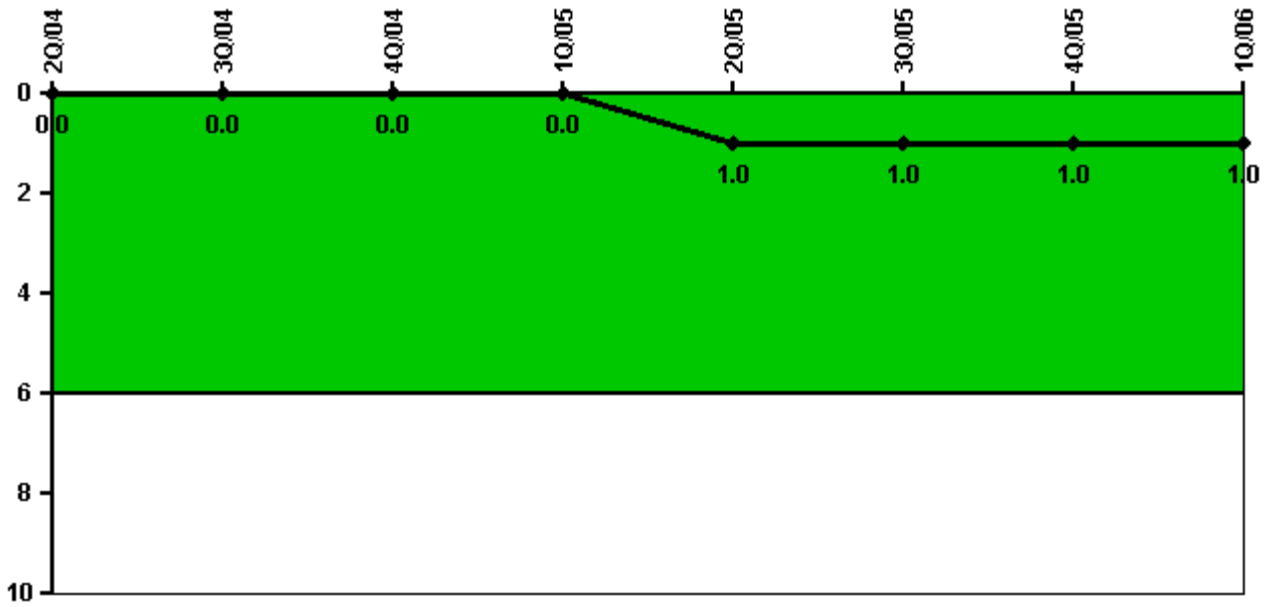
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	6.80	2.60	49.85	56.44	3.43	11.14	0.50	1.80
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	60.00	2.07	4.22	2.78	3.83	3.00	1.55	34.35
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

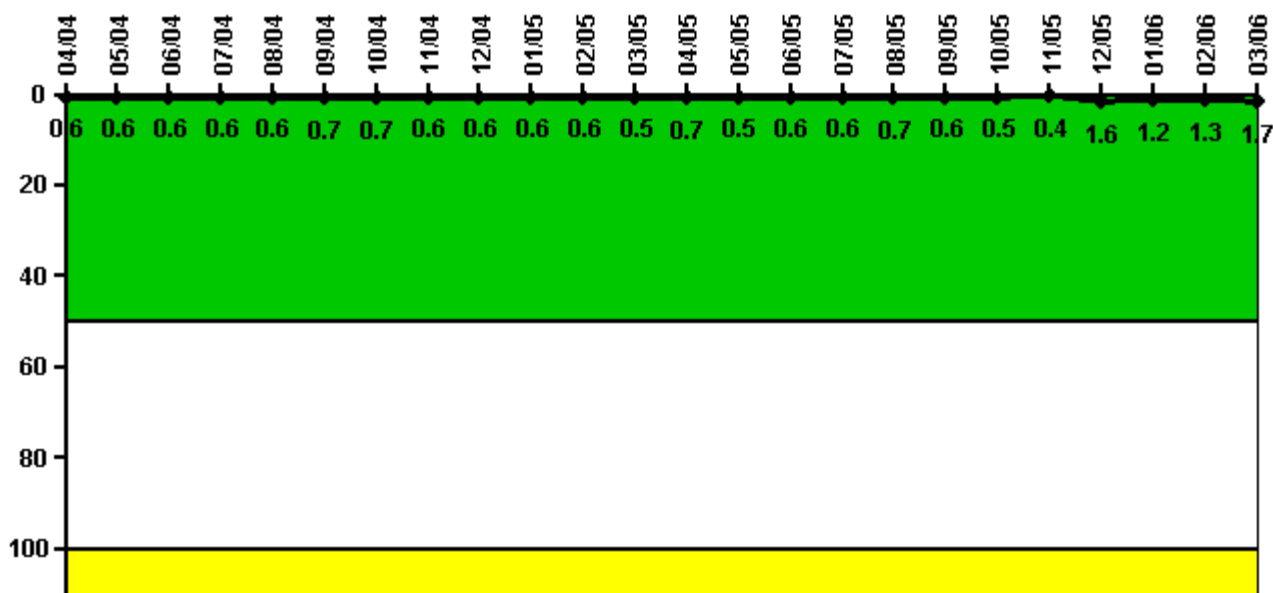
#### Notes

Safety System Functional Failures (BWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	0	0	0	0	1	1	1	1

Licensee Comments: none



### Reactor Coolant System Activity



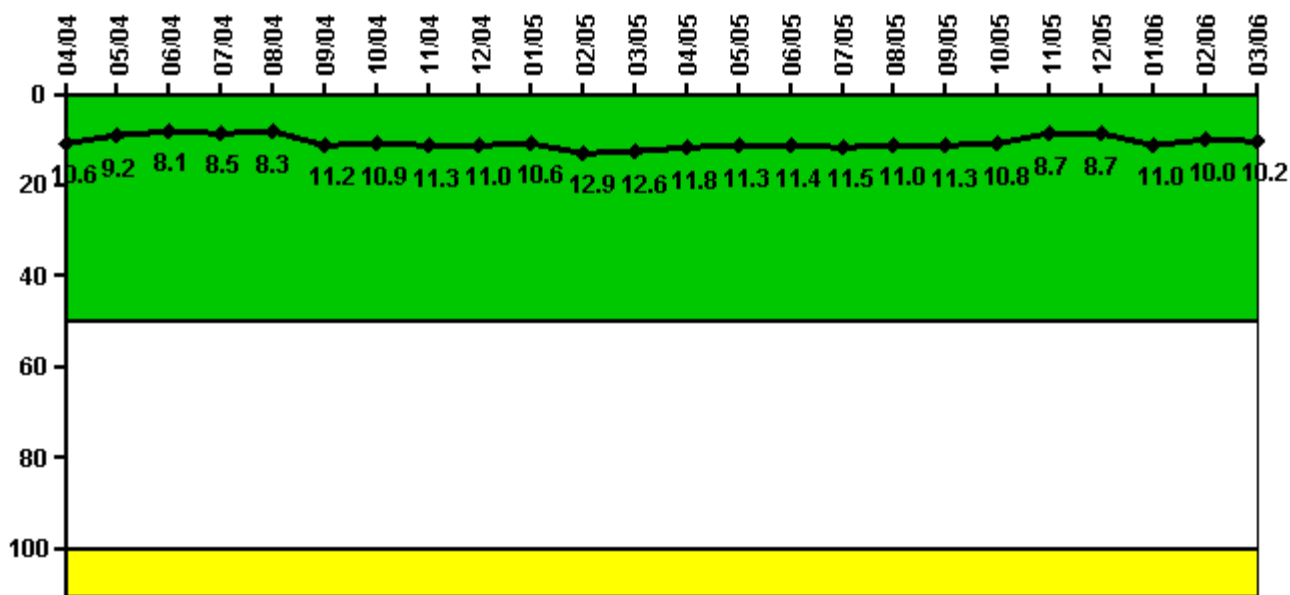
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.001140	0.001230	0.001280	0.001250	0.001290	0.001380	0.001340	0.001250	0.001130	0.001160	0.001110	0.001040
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	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.5
Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.001370	0.001060	0.001260	0.001130	0.001410	0.001190	0.000956	0.000722	0.003210	0.002400	0.002500	0.003470
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	0.7	0.5	0.6	0.6	0.7	0.6	0.5	0.4	1.6	1.2	1.3	1.7

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	3.170	2.760	2.440	2.560	2.500	3.370	3.270	3.400	3.310	3.190	3.880	3.780
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.6	9.2	8.1	8.5	8.3	11.2	10.9	11.3	11.0	10.6	12.9	12.6

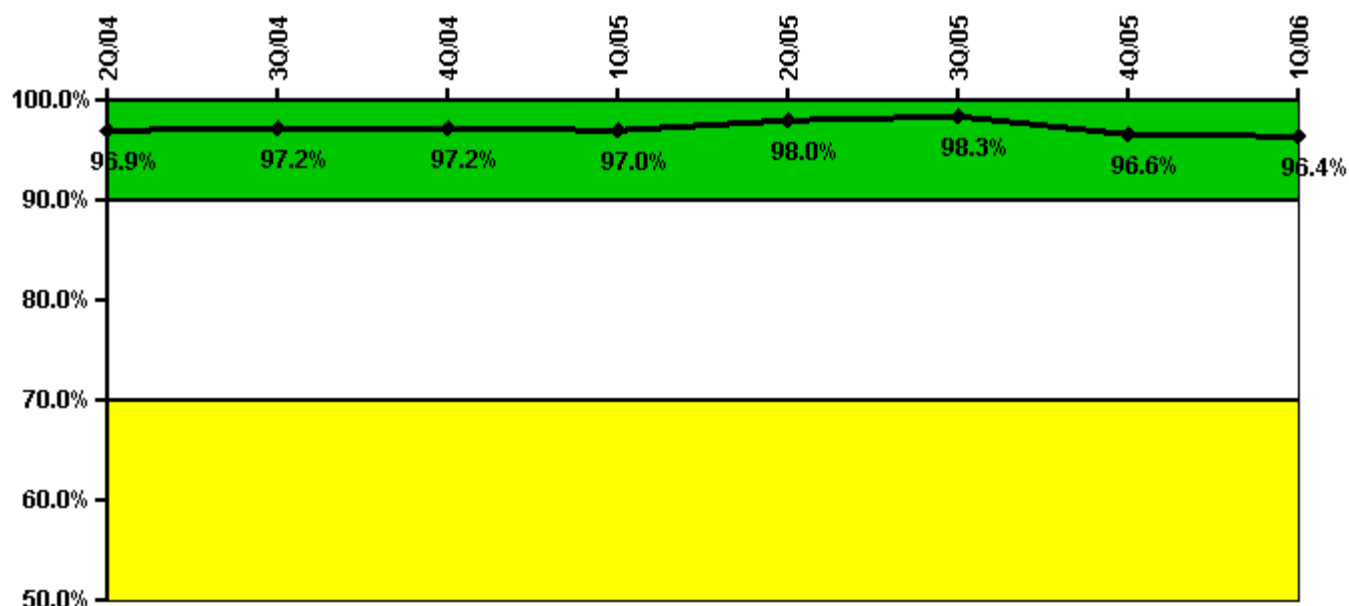
  

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	3.530	3.390	3.410	3.440	3.300	3.400	3.250	2.610	2.600	3.300	2.990	3.050
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	11.8	11.3	11.4	11.5	11.0	11.3	10.8	8.7	8.7	11.0	10.0	10.2

Licensee Comments:

3/06: GGNS condition report GGN-2006-0857 identifies instances of total drywell leakage (vs. identified leakage) not being reported per the guidelines of NEI 99-02 rev 3. This condition has been corrected. Past data was analyzed and determined there was no appreciable impact to data previously submitted. There was no threshold change which would exceed the Green margin.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

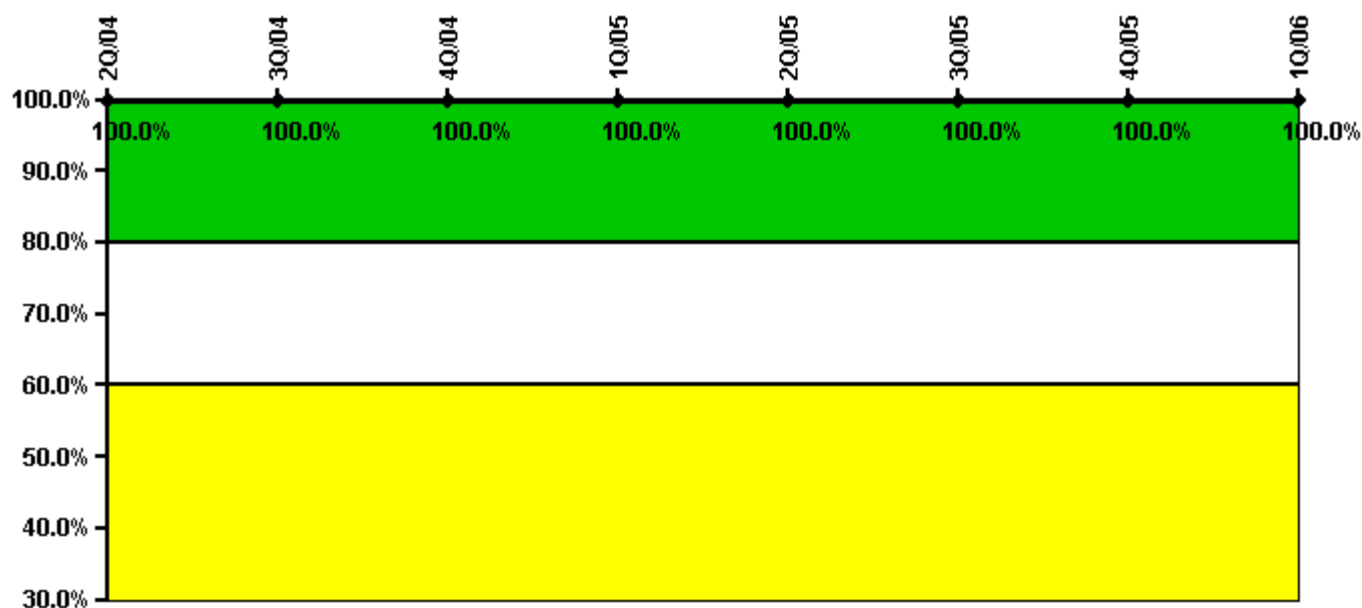
### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	38.0	24.0	18.0	33.0	36.0	12.0	7.0	19.0
Total opportunities	40.0	24.0	18.0	34.0	36.0	12.0	10.0	20.0
Indicator value	96.9%	97.2%	97.2%	97.0%	98.0%	98.3%	96.6%	96.4%

Licensee Comments:

2Q/05: Data correction. No change to indicator color (green).

### ERO Drill Participation



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

#### Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	79.0	79.0	82.0	83.0	81.0	95.0	92.0	92.0
Total Key personnel	79.0	79.0	82.0	83.0	81.0	95.0	92.0	92.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

4Q/05: Data correction to reflect 92 of 92. No change to indicator color (green).

3Q/05: Data correction to reflect 95 of 95. No change to indicator color (green).

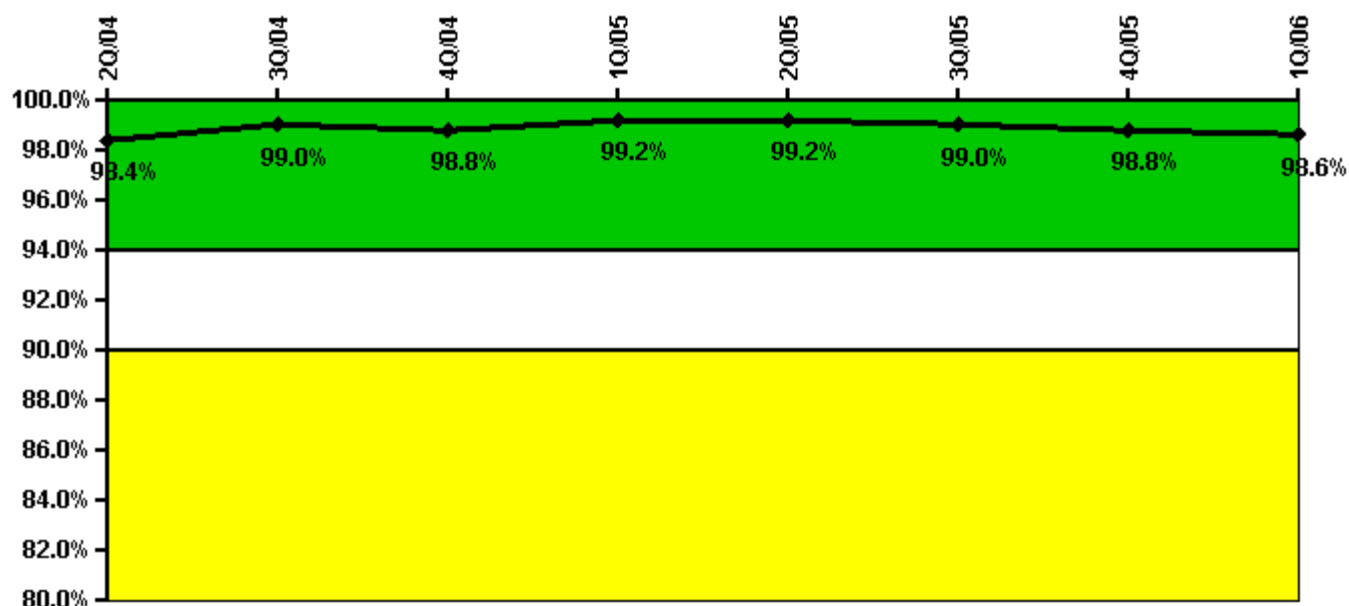
2Q/05: Data correction to reflect 81 of 81. No change to indicator color (green).

1Q/05: Data correction to reflect 83 of 83. No change to indicator color (green).

4Q/04: Data correction to reflect 82 of 82. No change to indicator color (green).

3Q/04: Data correction to reflect 79 of 79. No change to indicator color (green).

### Alert & Notification System



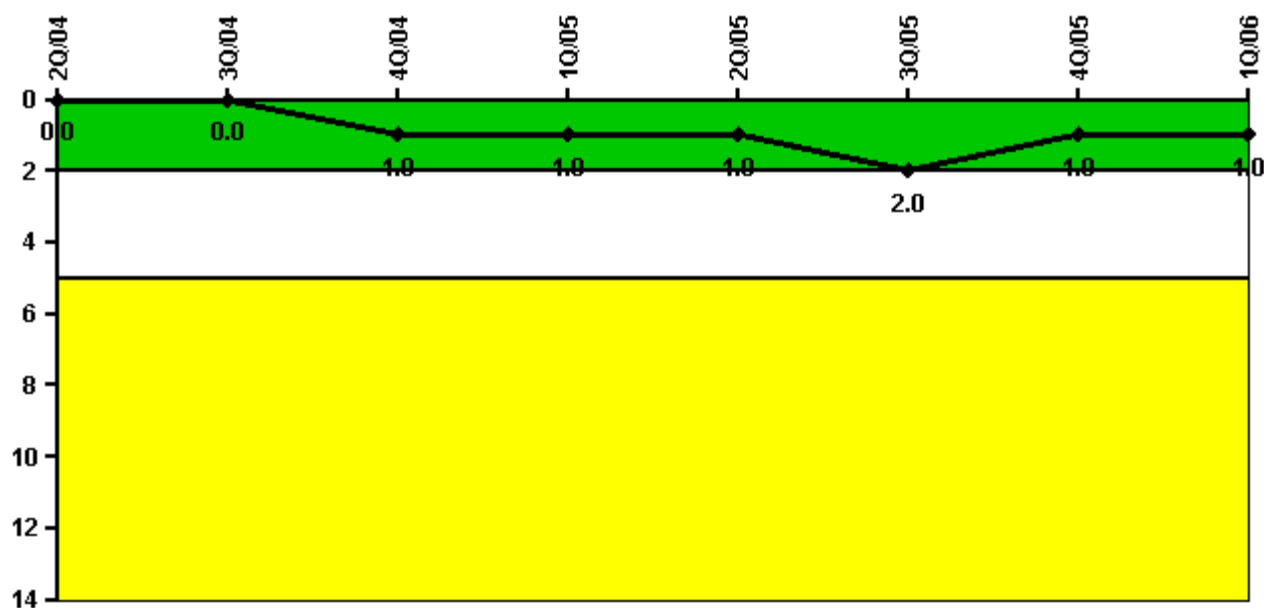
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	128	127	128	129	128	126	127	128
Total sirens-tests	129	129	129	129	129	129	129	129
Indicator value	98.4%	99.0%	98.8%	99.2%	99.2%	99.0%	98.8%	98.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

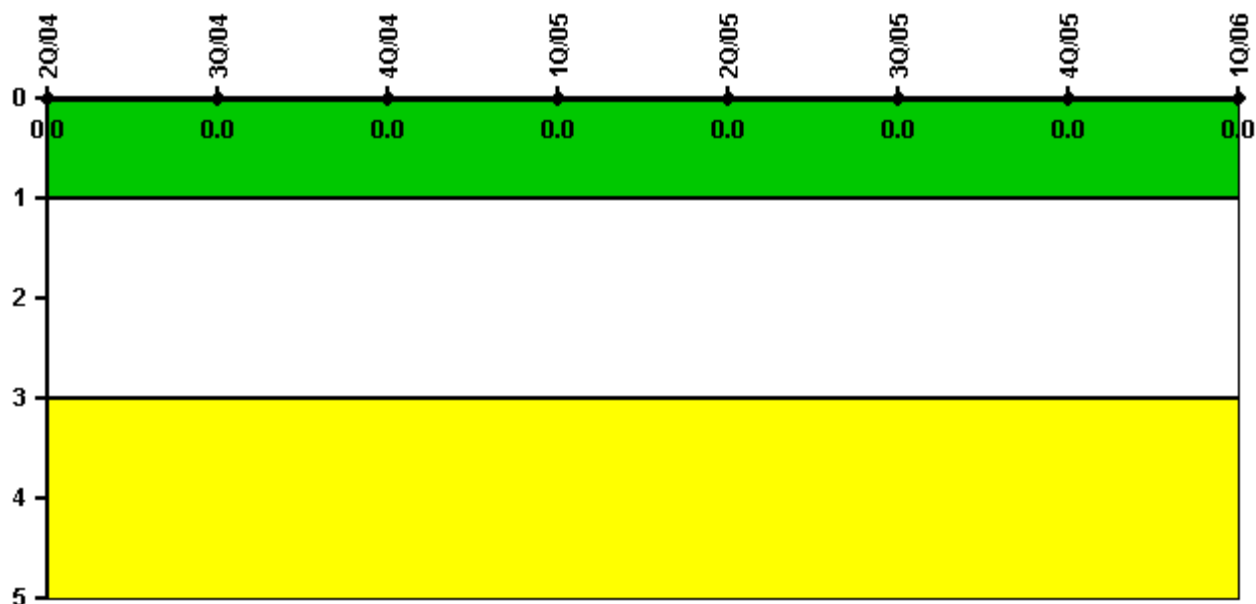
#### Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
High radiation area occurrences	0	0	1	0	0	1	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>2</b>	<b>1</b>	<b>1</b>

#### Licensee Comments:

4Q/04: During an NRC inspection, the inspector questioned if a station evaluation performed for the Occupational Radiation Performance Indicator for 4th Quarter 2004 data was correct. The station submitted an FAQ and after further discussions, subsequently withdrew the FAQ and concurs with one technical specification high radiation area occurrence in 4th quarter, 2004. There was no change of threshold (Green) as a result of this revised report.

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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: May 5, 2006