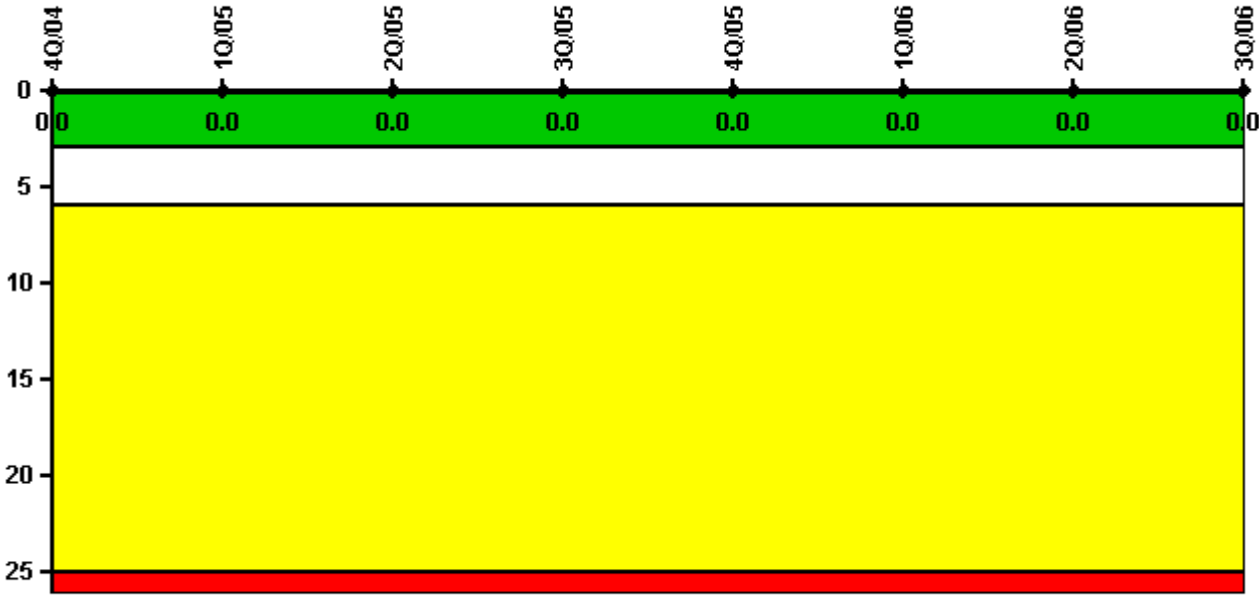


# Braidwood 1

## 3Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



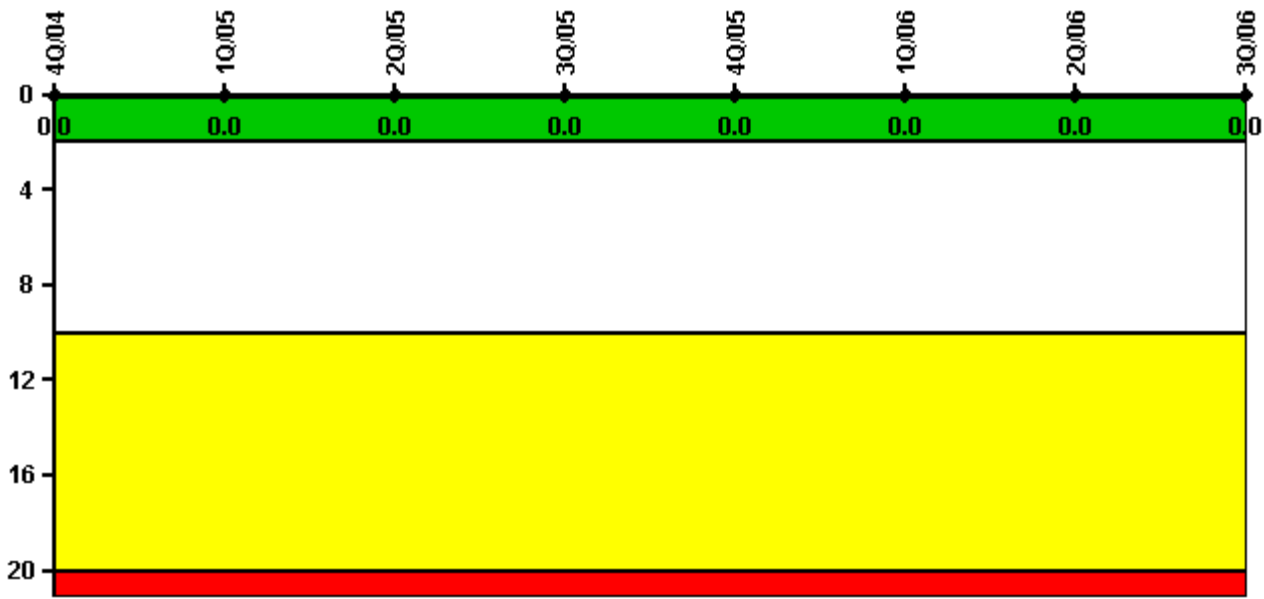
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1750.1	2160.0	2183.0	2088.0	2209.0	2160.0	1784.7	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



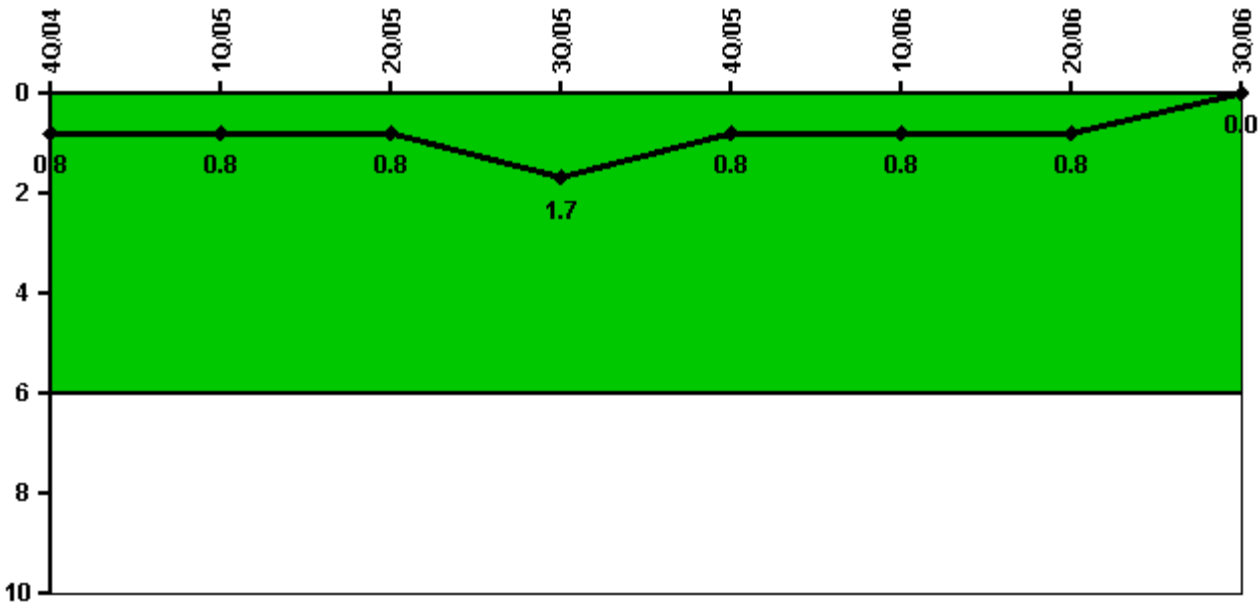
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



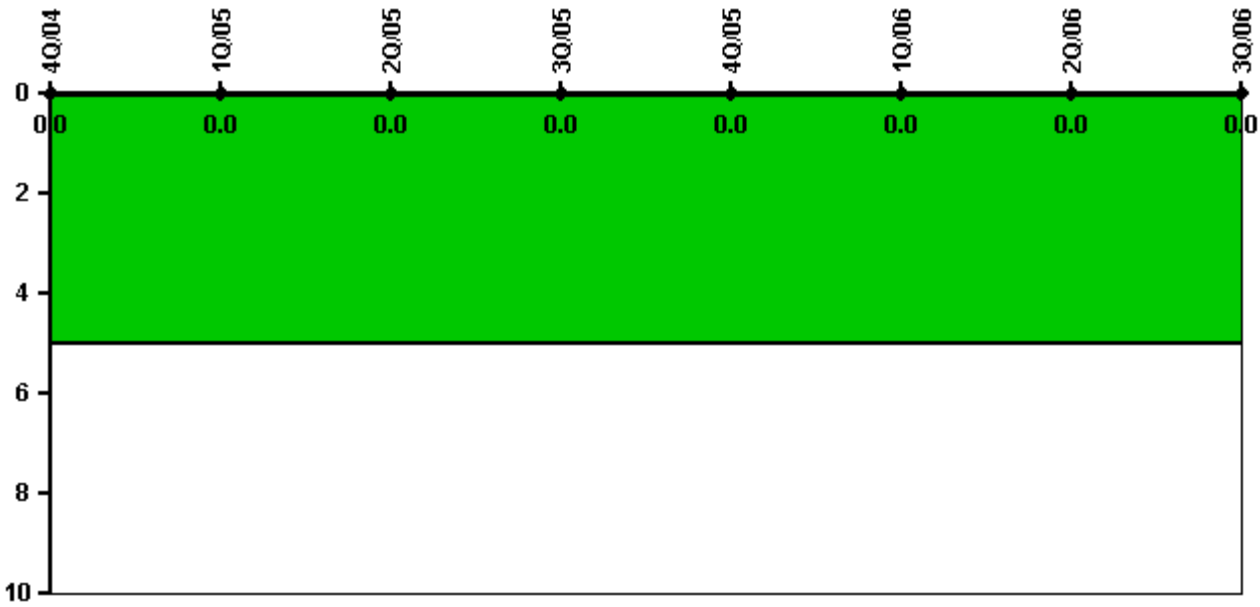
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	1750.1	2160.0	2183.0	2088.0	2209.0	2160.0	1784.7	2208.0
Indicator value	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0

Licensee Comments: none

### Safety System Functional Failures (PWR)



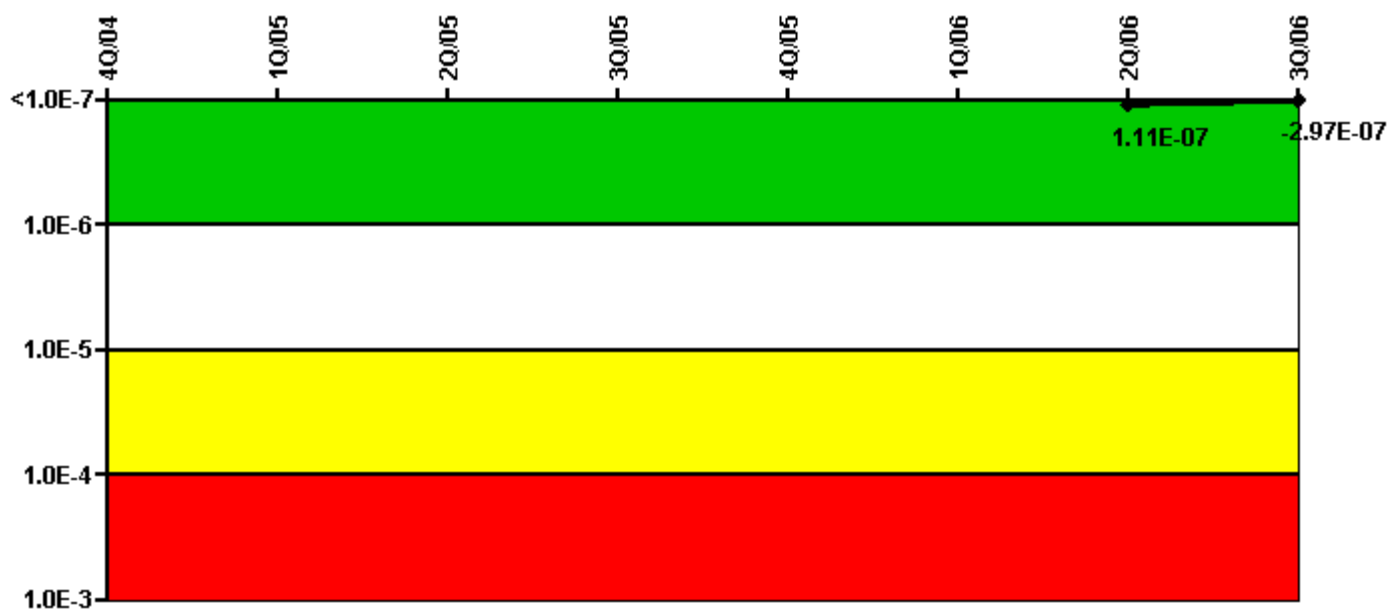
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
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

### Mitigating Systems Performance Index, Emergency AC Power System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

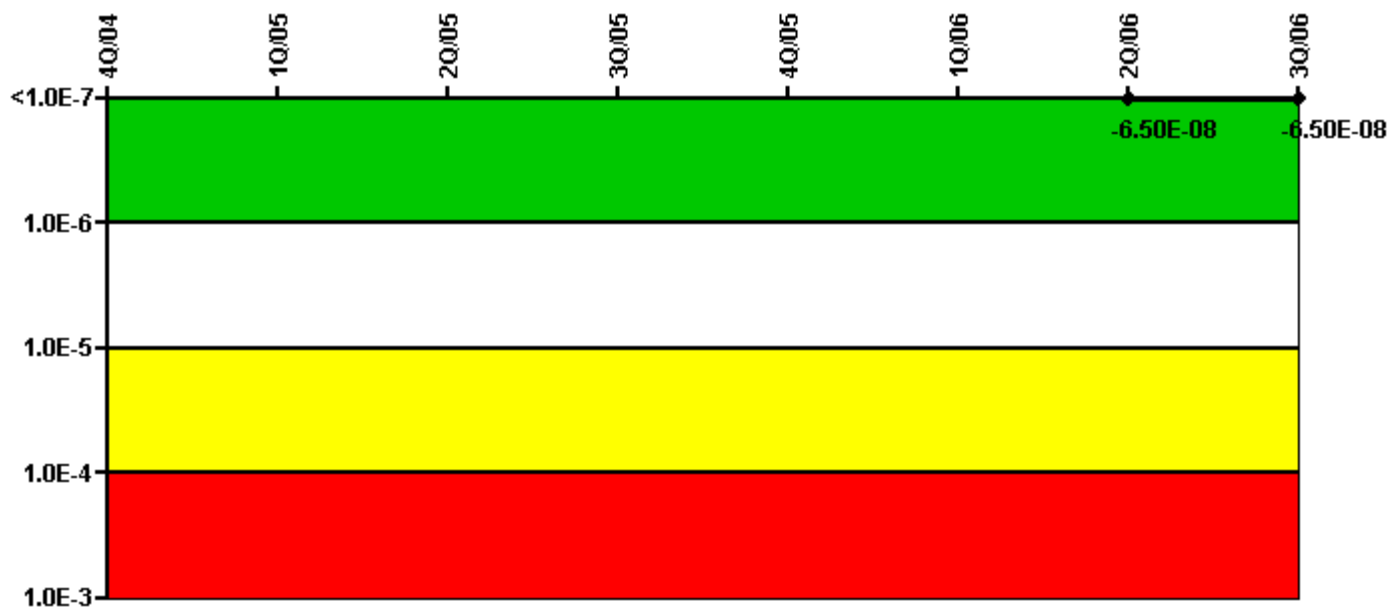
Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							4.30E-08	-7.40E-09
URI ( $\Delta$ CDF)							6.80E-08	-2.90E-07
PLE							NO	NO
Indicator value							1.11E-07	-2.97E-07

Licensee Comments:

3Q/06: PRA parameters chaged based on data discrepancies.

2Q/06: Changed PRA Parameter(s). PRA parameters chaged based on data discrepancies.

### Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

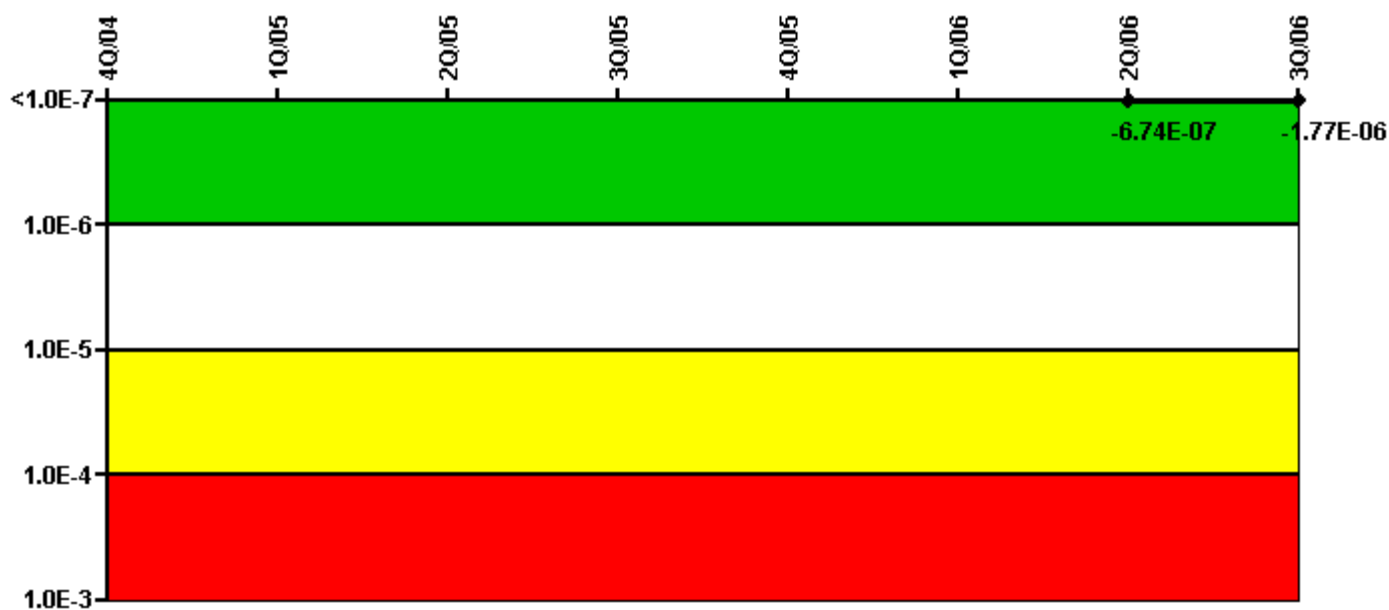
Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							-5.00E-08	-5.00E-08
URI ( $\Delta$ CDF)							-1.50E-08	-1.50E-08
PLE							NO	NO
Indicator value							-6.50E-08	-6.50E-08

Licensee Comments:

3Q/06: PRA parameters chaged based on data discrepancies.

2Q/06: Changed PRA Parameter(s). PRA parameters chaged based on data discrepancies.

### Mitigating Systems Performance Index, Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

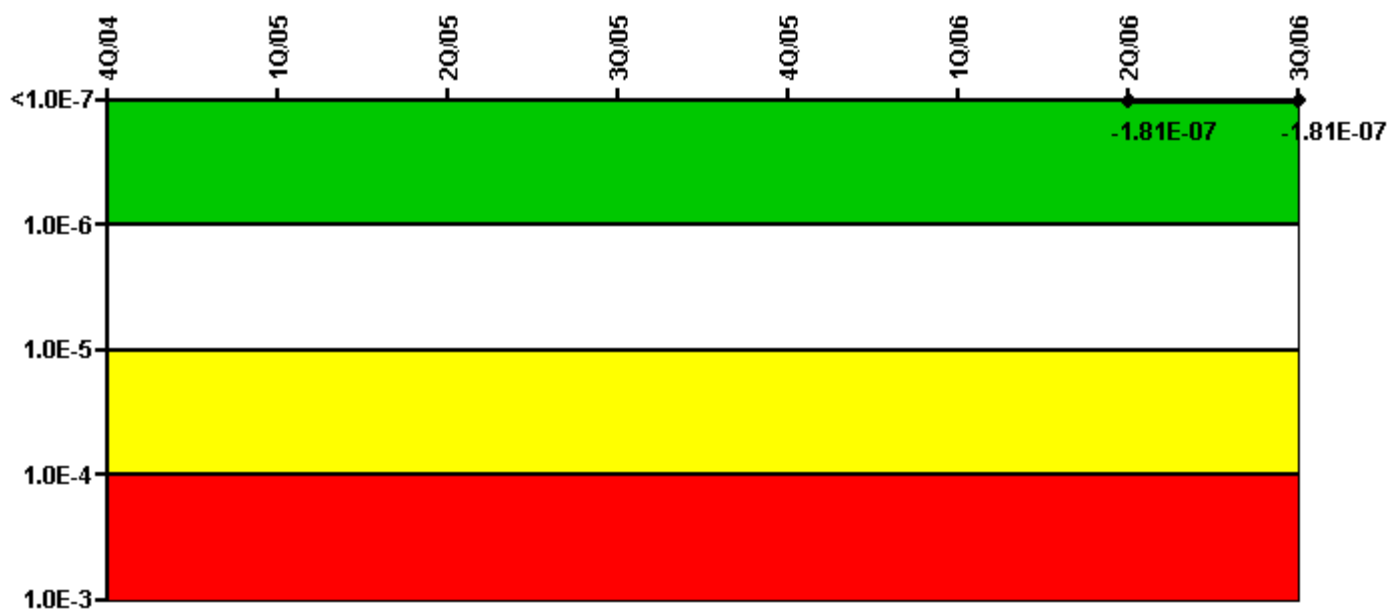
Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-6.70E-07	-6.70E-07
URI (ΔCDF)							-4.30E-09	-1.10E-06
PLE							NO	NO
Indicator value							-6.74E-07	-1.77E-06

Licensee Comments:

3Q/06: PRA parameters chaged based on data discrepancies.

2Q/06: Changed PRA Parameter(s). PRA parameters chaged based on data discrepancies.

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

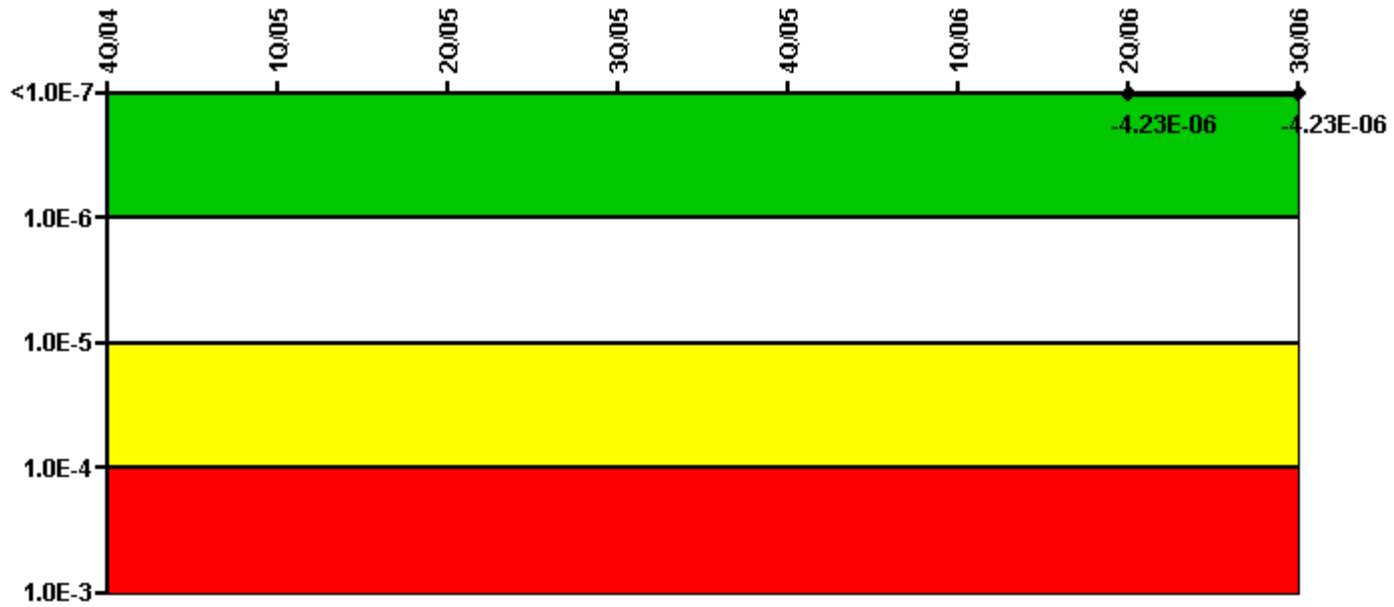
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							-4.10E-08	-4.10E-08
URI ( $\Delta$ CDF)							-1.40E-07	-1.40E-07
PLE							NO	NO
Indicator value							-1.81E-07	-1.81E-07

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

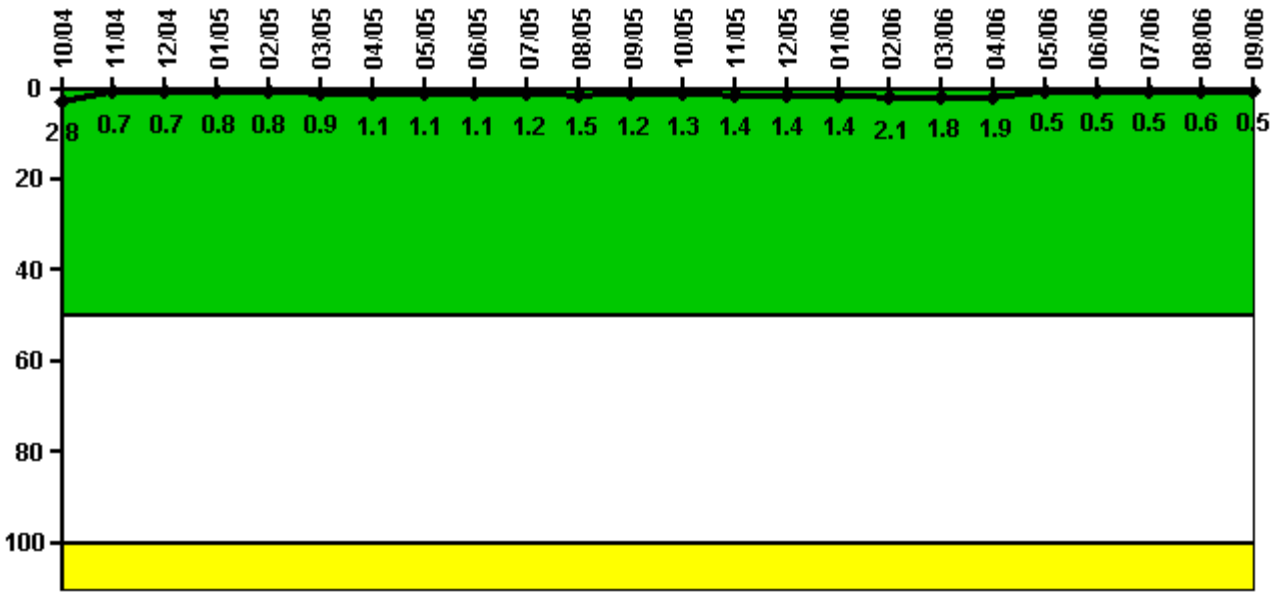
Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-1.30E-07	-1.30E-07
URI (ΔCDF)							-4.10E-06	-4.10E-06
PLE							NO	NO
Indicator value							-4.23E-06	-4.23E-06

Licensee Comments:

3Q/06: PRA parameters chaged based on data discrepancies.

2Q/06: Changed PRA Parameter(s). PRA parameters chaged based on data discrepancies.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

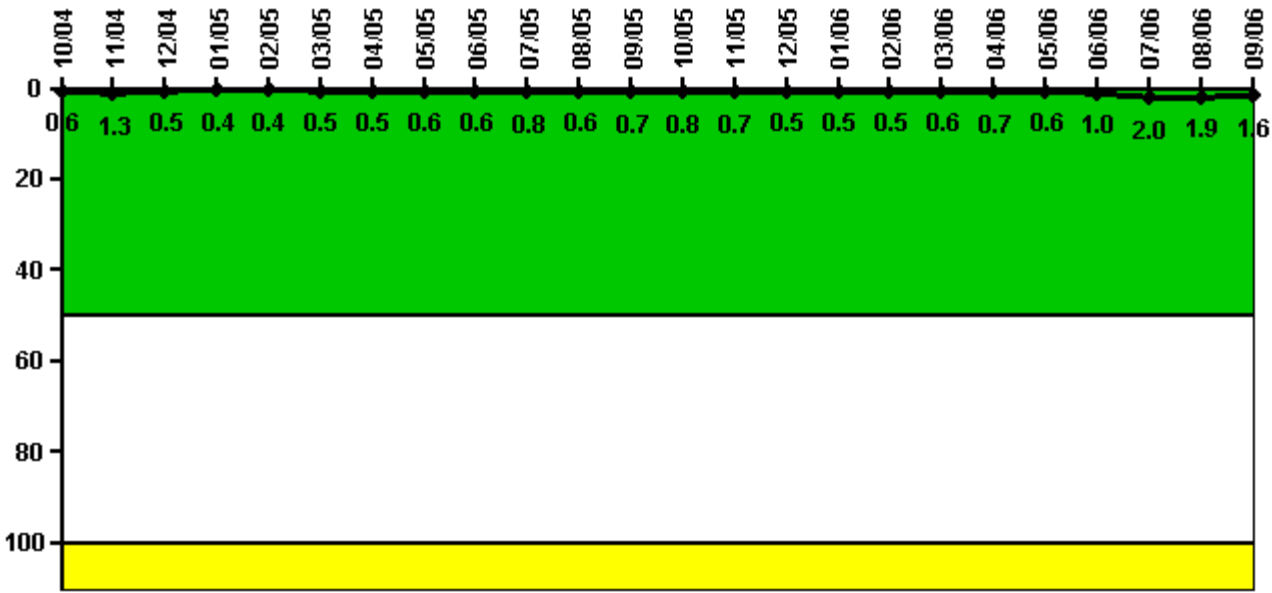
Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.027800	0.006640	0.006820	0.007840	0.008280	0.009300	0.010600	0.011400	0.011000	0.011600	0.015100	0.012300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	2.8	0.7	0.7	0.8	0.8	0.9	1.1	1.1	1.1	1.2	1.5	1.2

Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.013000	0.013600	0.014200	0.014300	0.020500	0.017600	0.018500	0.005050	0.004750	0.004950	0.005570	0.005334
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	1.3	1.4	1.4	1.4	2.1	1.8	1.9	0.5	0.5	0.5	0.6	0.5

Licensee Comments: none

### Reactor Coolant System Leakage



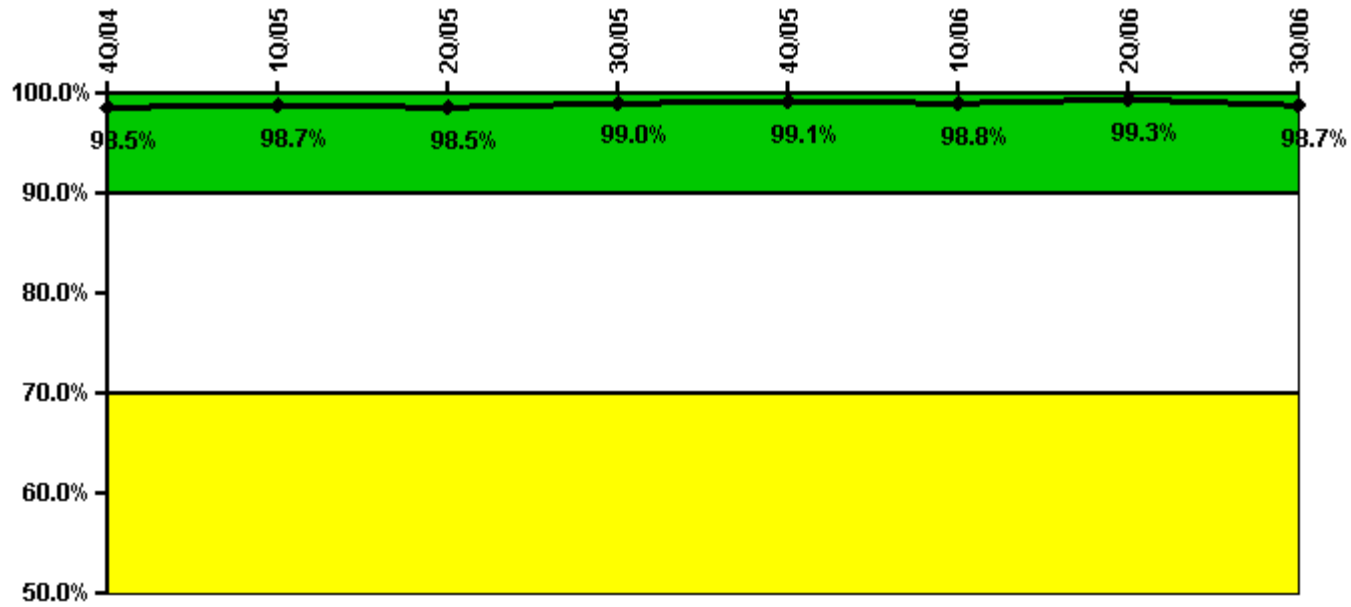
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

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	0.060	0.128	0.050	0.044	0.042	0.051	0.052	0.060	0.061	0.075	0.058	0.074
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	0.6	1.3	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.8	0.6	0.7
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.076	0.067	0.049	0.054	0.052	0.060	0.069	0.057	0.101	0.197	0.190	0.159
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	0.7	0.5	0.5	0.5	0.6	0.7	0.6	1.0	2.0	1.9	1.6

Licensee Comments: none

### Drill/Exercise Performance



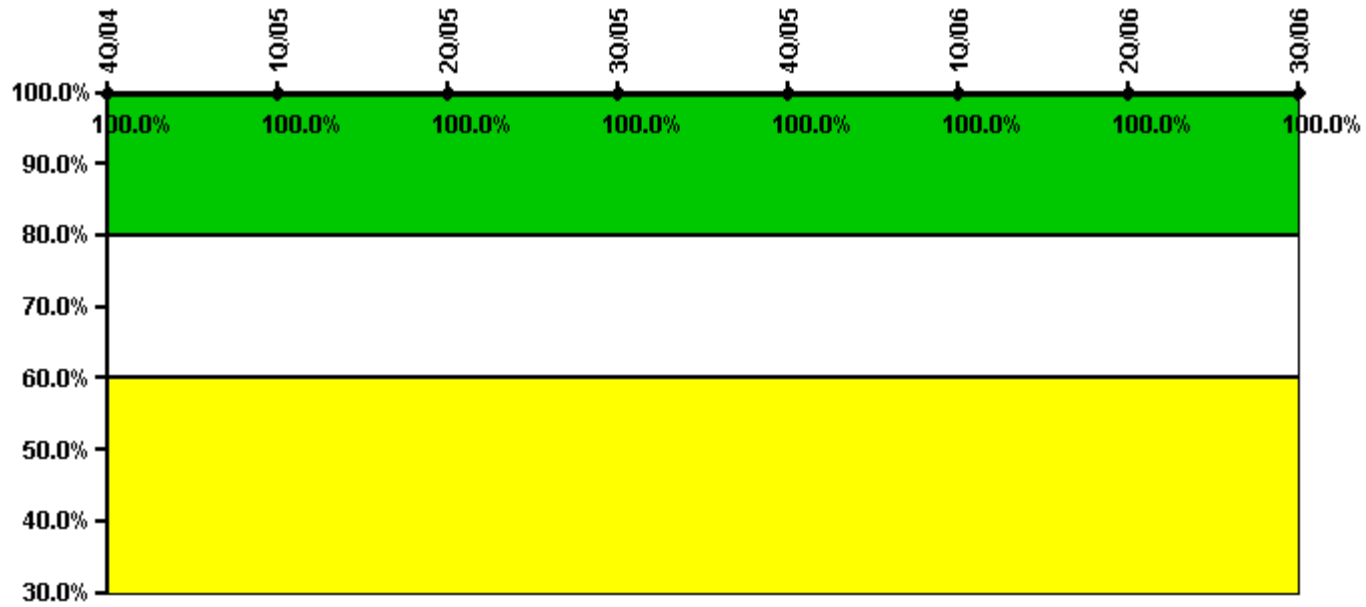
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	17.0	31.0	12.0	146.0	46.0	39.0	38.0	190.0
Total opportunities	17.0	32.0	13.0	146.0	46.0	40.0	38.0	194.0
Indicator value	98.5%	98.7%	98.5%	99.0%	99.1%	98.8%	99.3%	98.7%

Licensee Comments: none

### ERO Drill Participation



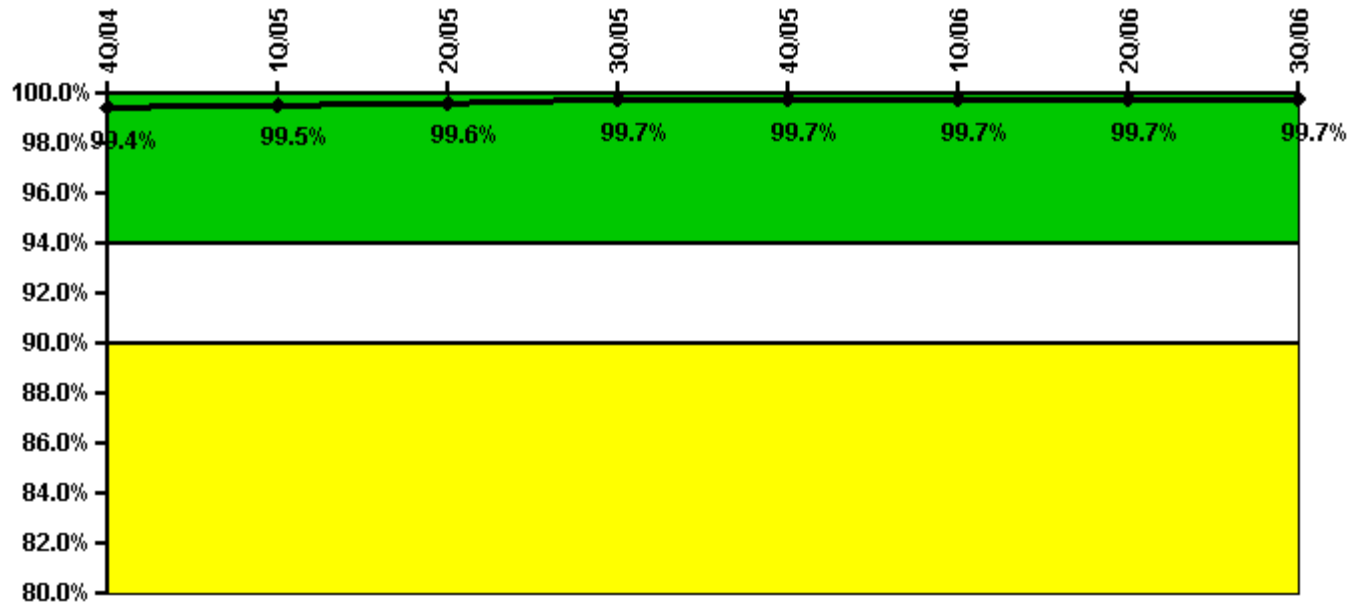
**Thresholds: White < 80.0% Yellow < 60.0%**

**Notes**

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	59.0	67.0	67.0	71.0	73.0	75.0	75.0	74.0
Total Key personnel	59.0	67.0	67.0	71.0	73.0	75.0	75.0	74.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

### Alert & Notification System



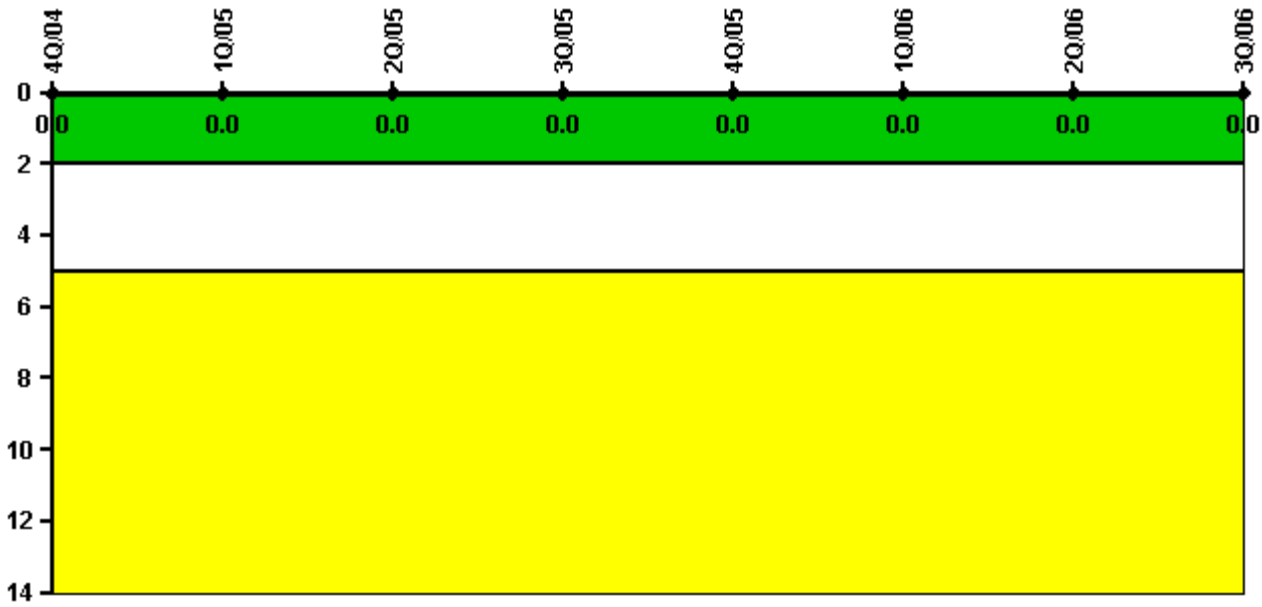
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	4541	4473	4460	4449	4474	4538	4469	4451
Total sirens-tests	4546	4480	4471	4480	4480	4548	4479	4480
Indicator value	99.4%	99.5%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



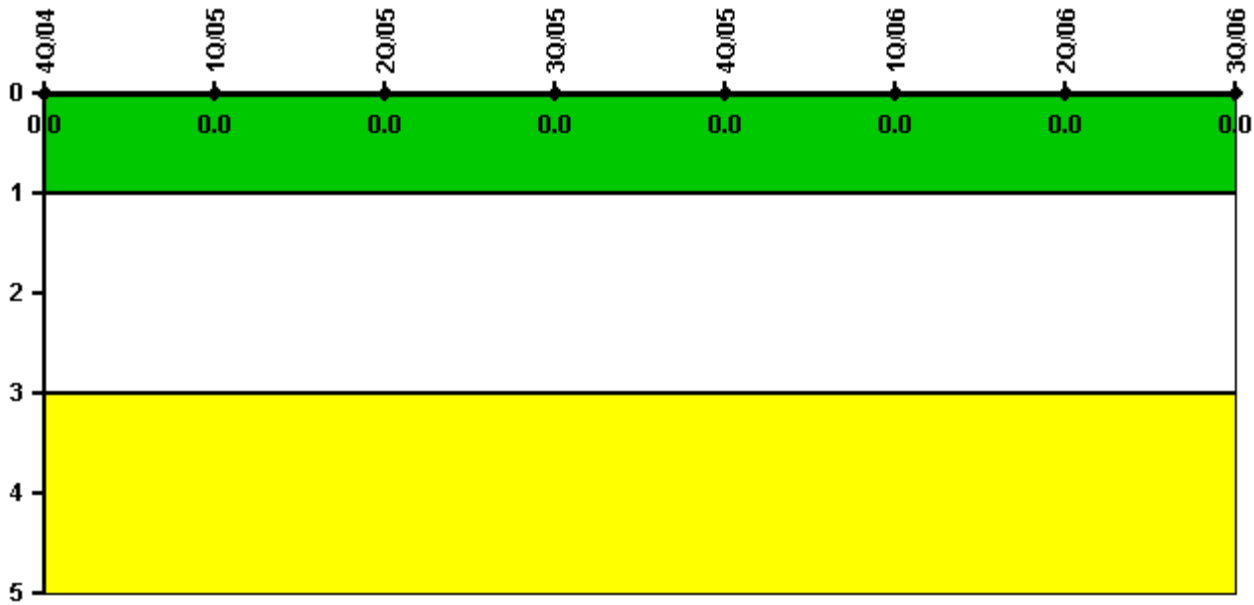
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/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.