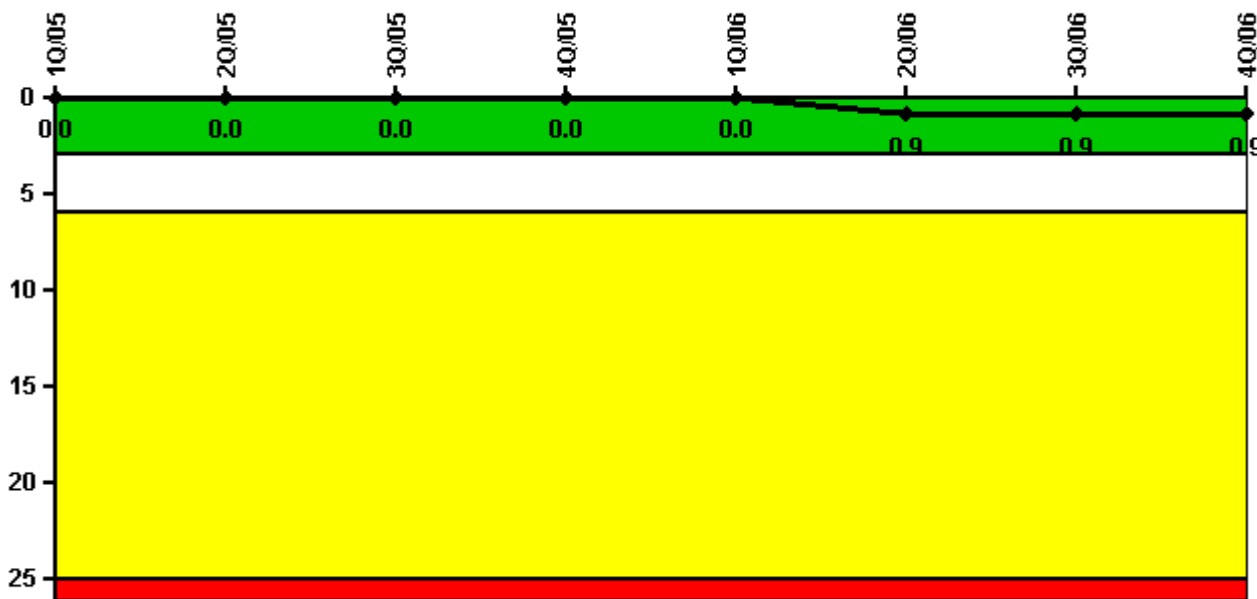


# Prairie Island 1

## 4Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



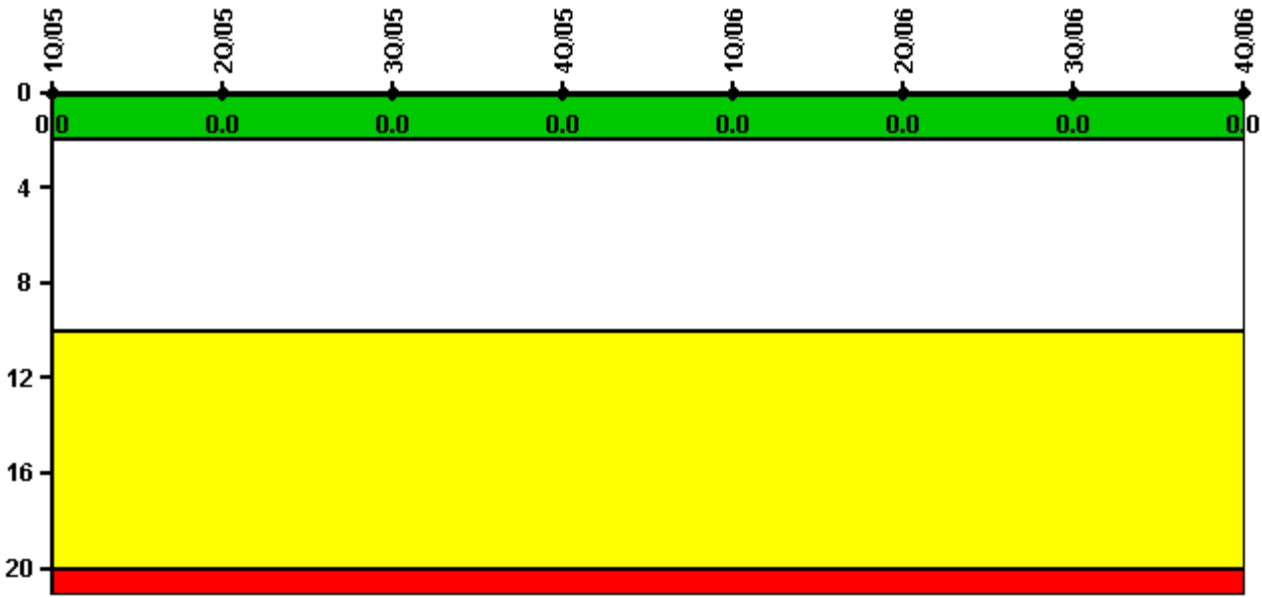
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



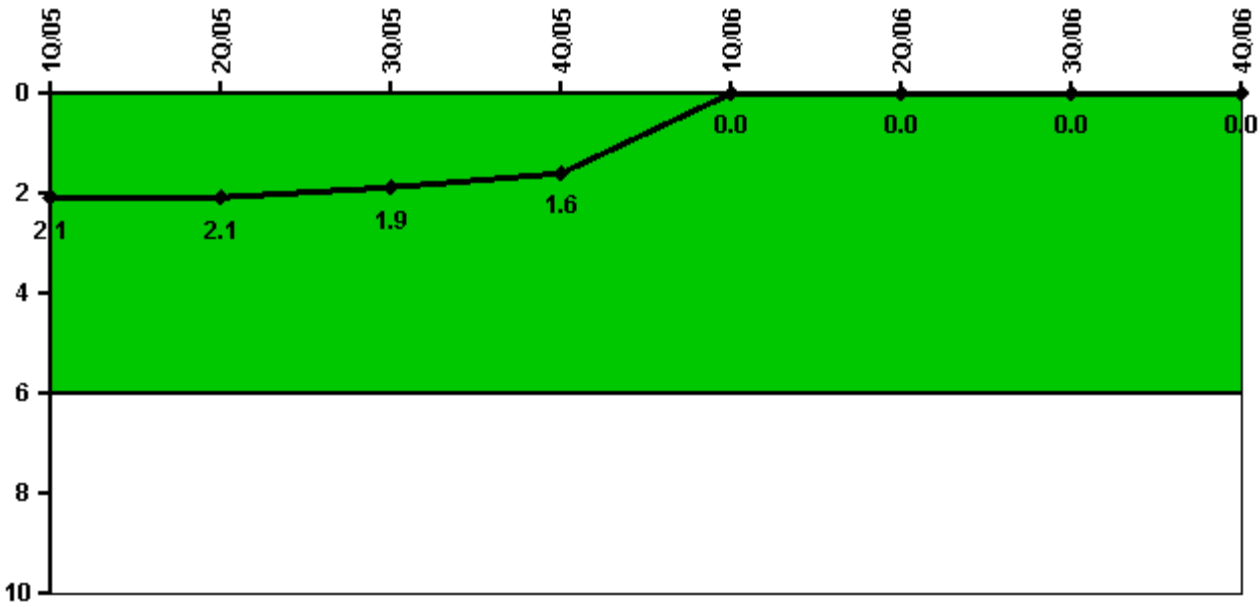
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



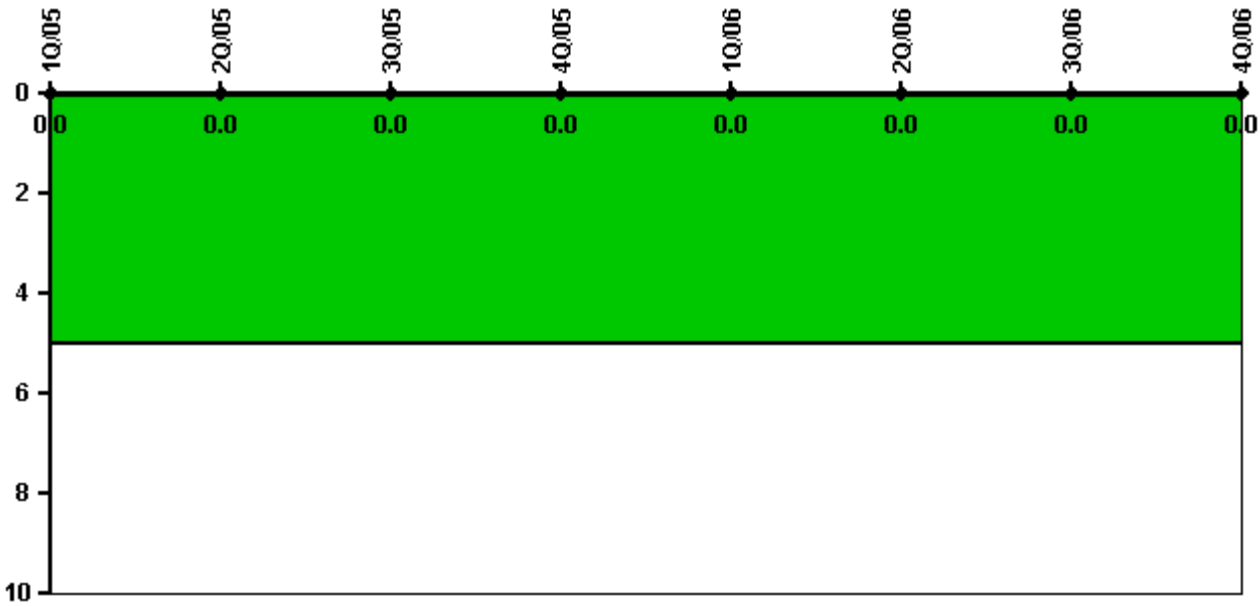
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0
Indicator value	2.1	2.1	1.9	1.6	0	0	0	0

Licensee Comments: none

### Safety System Functional Failures (PWR)



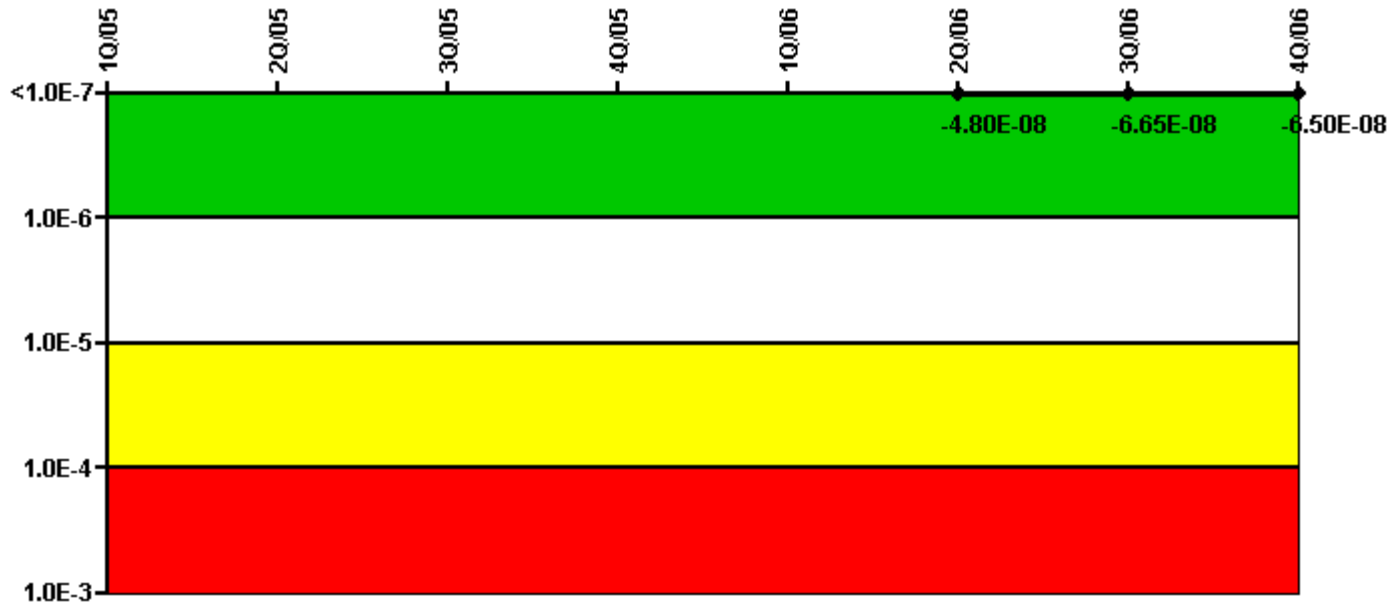
Thresholds: White > 5.0

#### Notes

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



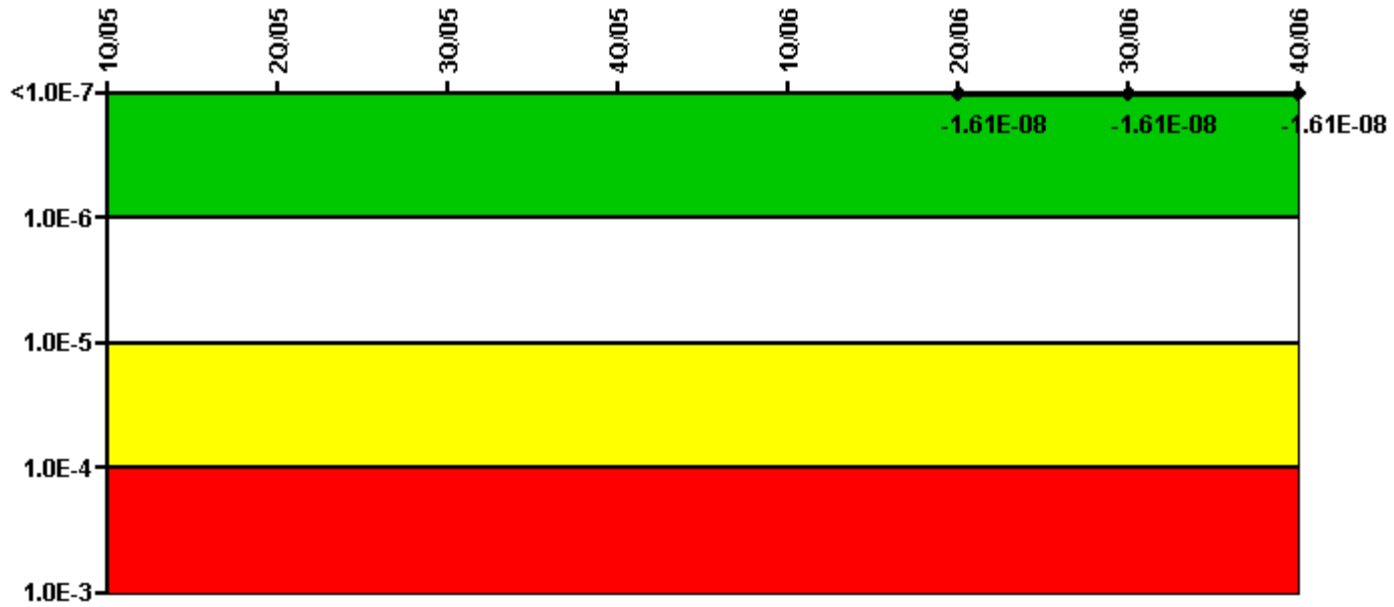
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						2.90E-08	9.50E-09	1.10E-08
URI ( $\Delta$ CDF)						-7.70E-08	-7.60E-08	-7.60E-08
PLE						NO	NO	NO
Indicator value						-4.80E-08	-6.65E-08	-6.50E-08

Licensee Comments: none

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



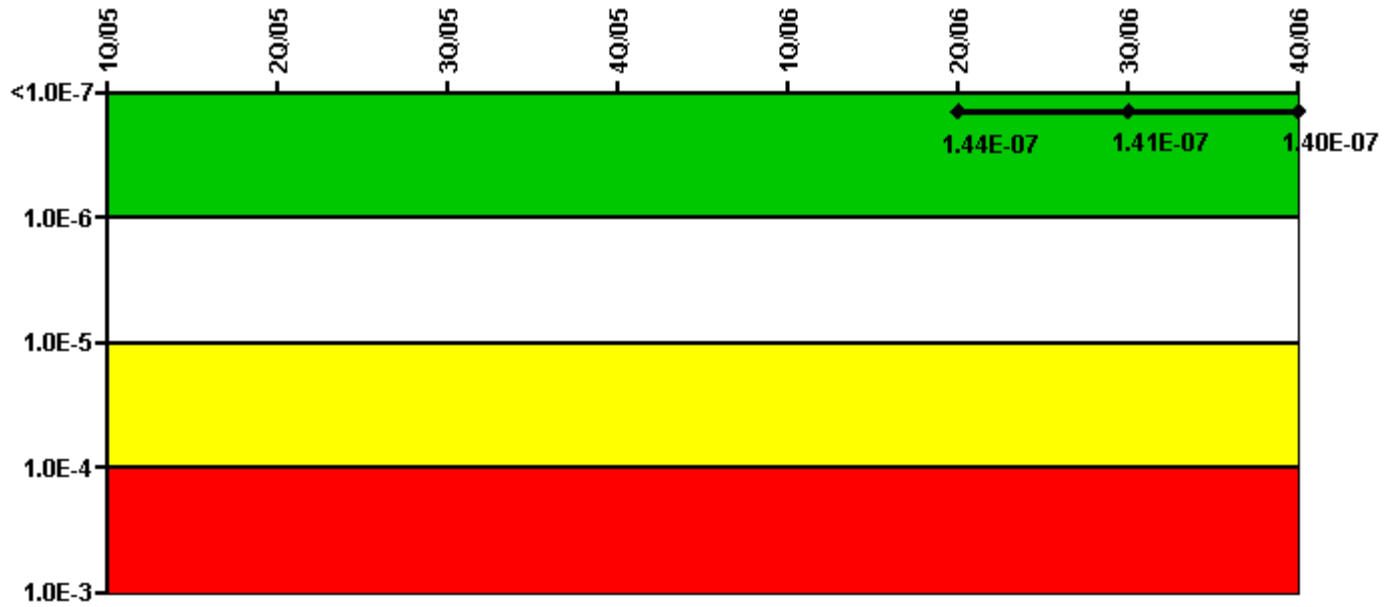
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)						-1.10E-08	-1.10E-08	-1.10E-08
PLE						NO	NO	NO
Indicator value						-1.61E-08	-1.61E-08	-1.61E-08

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



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

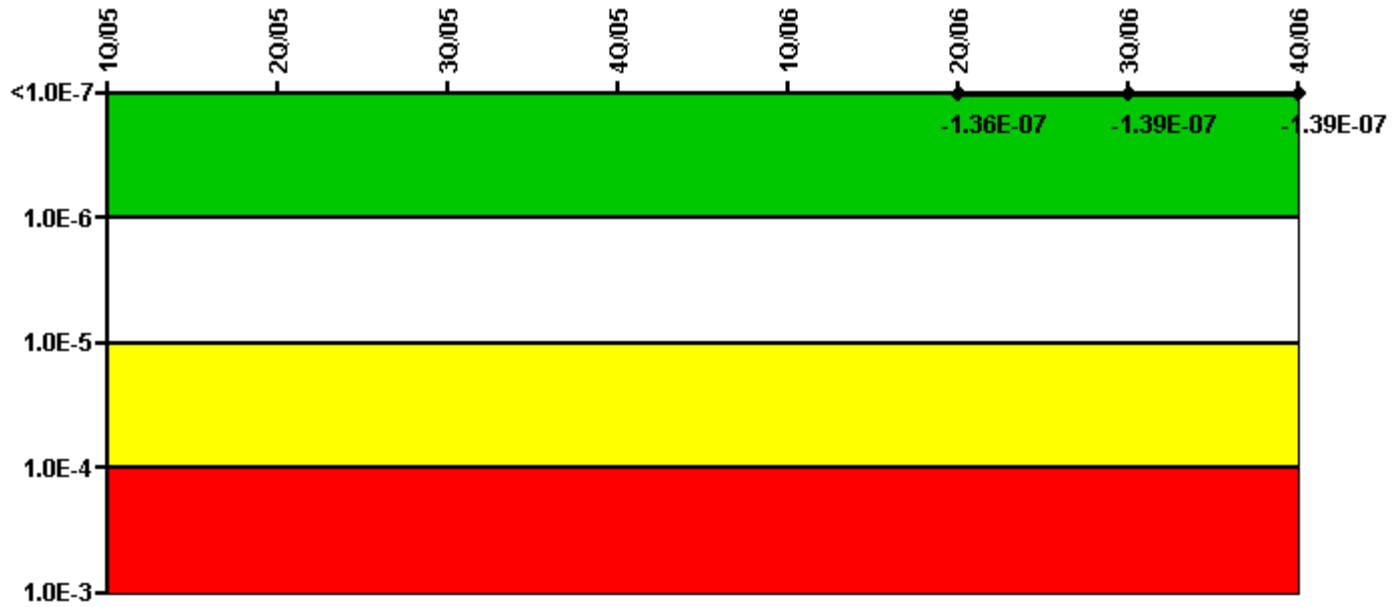
**Notes**

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.40E-08	1.10E-08	9.90E-09
URI (ΔCDF)						1.30E-07	1.30E-07	1.30E-07
PLE						NO	NO	NO
Indicator value						1.44E-07	1.41E-07	1.40E-07

Licensee Comments:

4Q/06: Revised the April 2006 TDAFWP reliability data to correctly categorize the demands/run hours as ESF and Operational. This change did not result in an indicator color change.

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



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

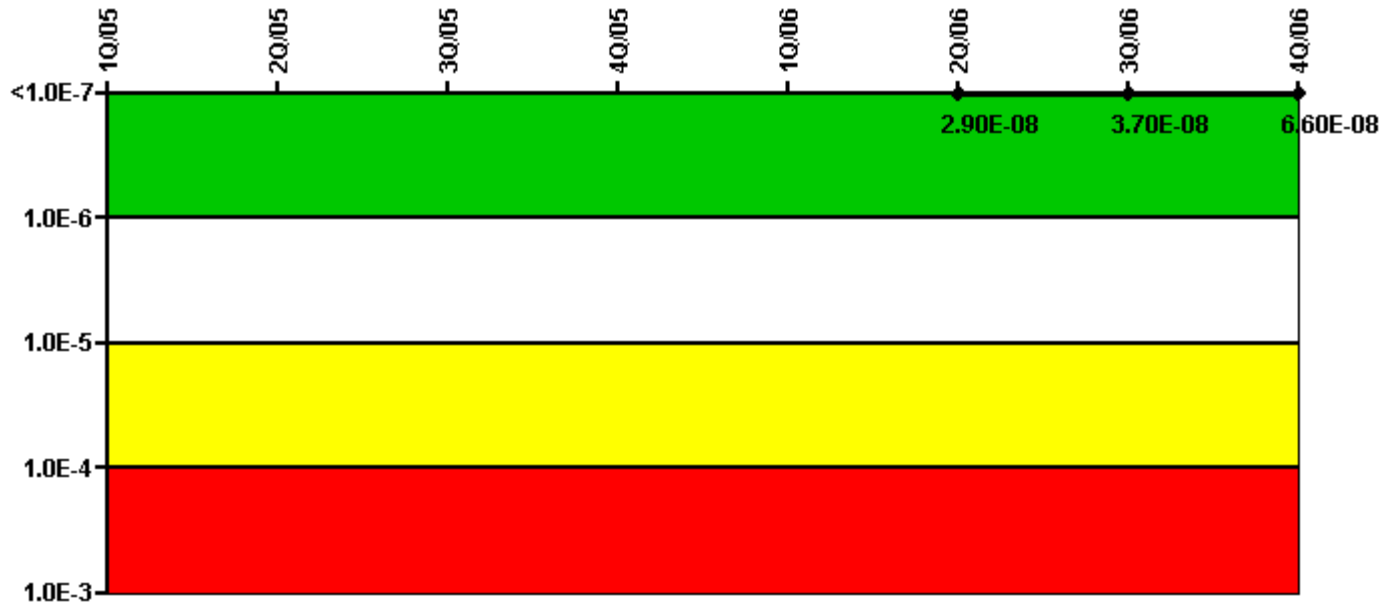
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						-1.60E-08	-1.90E-08	-1.90E-08
URI ( $\Delta$ CDF)						-1.20E-07	-1.20E-07	-1.20E-07
PLE						NO	NO	NO
Indicator value						-1.36E-07	-1.39E-07	-1.39E-07

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White >  $1.0E-6$  Yellow >  $1.0E-5$  Red >  $1.0E-4$

**Notes**

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						$1.10E-07$	$1.20E-07$	$1.50E-07$
URI (ΔCDF)						$-8.10E-08$	$-8.30E-08$	$-8.40E-08$
PLE						NO	NO	NO
Indicator value						$2.90E-08$	$3.70E-08$	$6.60E-08$

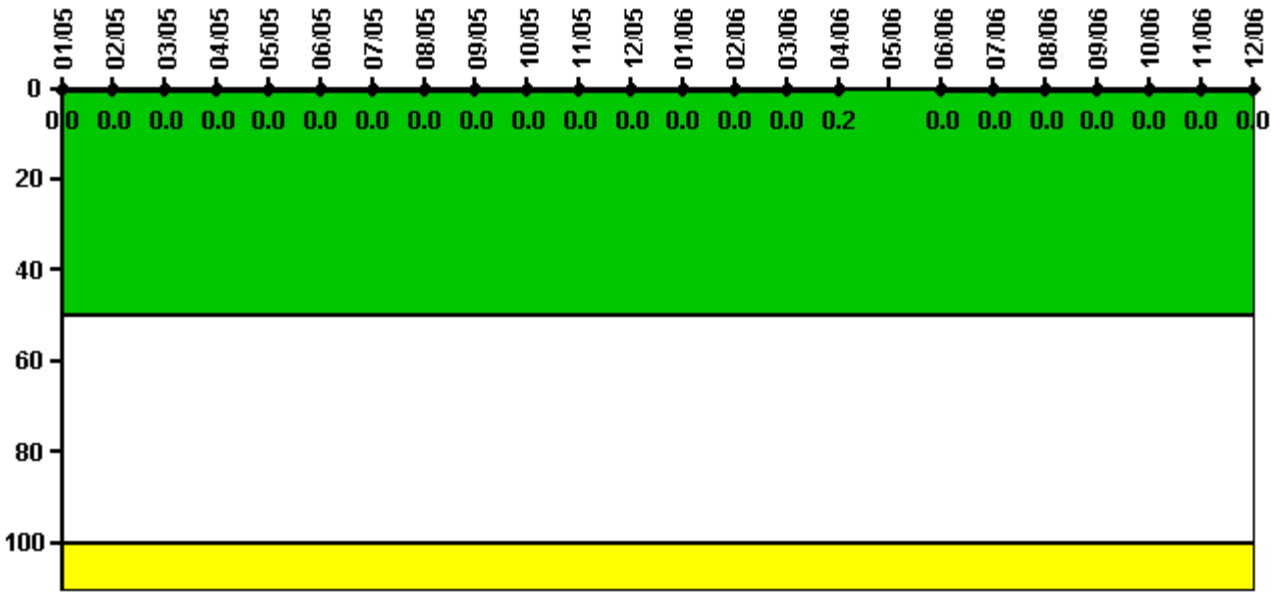
Licensee Comments:

4Q/06: Changed PRA Parameter(s). (1) Revised the planned and unplanned baseline values, and the previously submitted planned and unplanned unavailability for 121 Cooling Water segment due to incorrectly counting the unavailability times. These changes did not result in an indicator color change. (2) Revised the Unit 1 unavailability (317.57 hours unplanned) to planned unavailability for the month of September 2006. No MSPI failure occurred and engineering evaluation showed that no MSPI function was lost. This change did not result in an indicator color change. (3) Revised the Unit 1 planned baseline value for 121 Cooling Water segment, effective 2Q2007, due to additional hours associated with maintenance for line replacement.

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

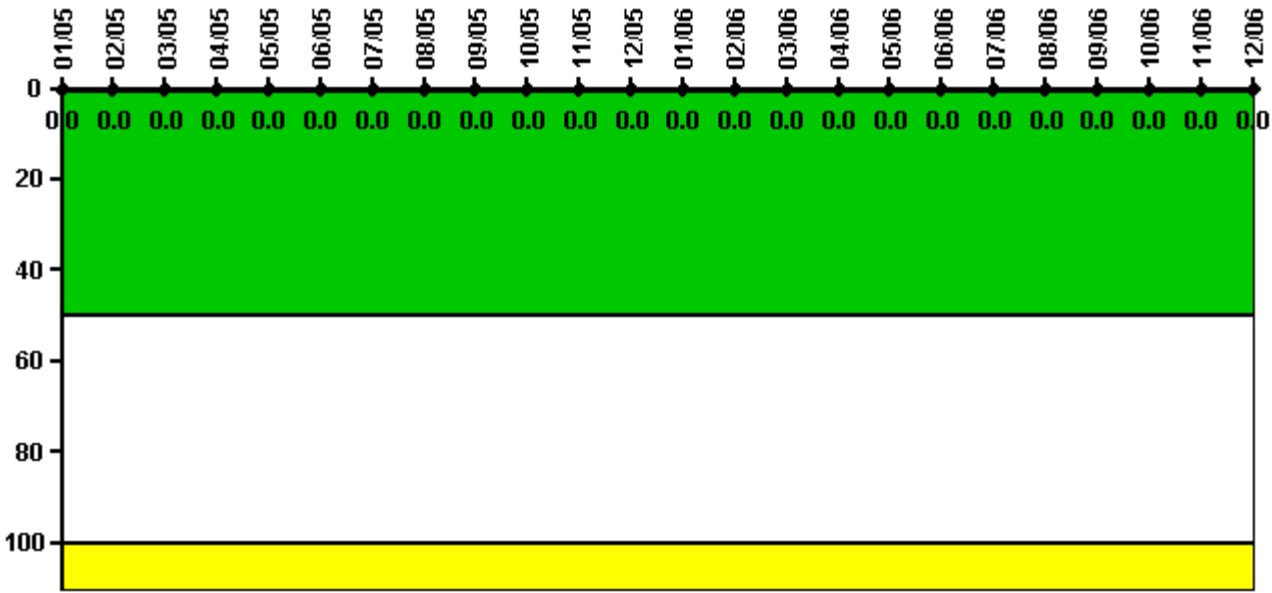
Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000220	0.000170	0.000170	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290	0.000220	0.000220	0.000220
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000240	0.000220	0.000240	0.002100	N/A	0.000100	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150
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	0	0	0.2	N/A	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

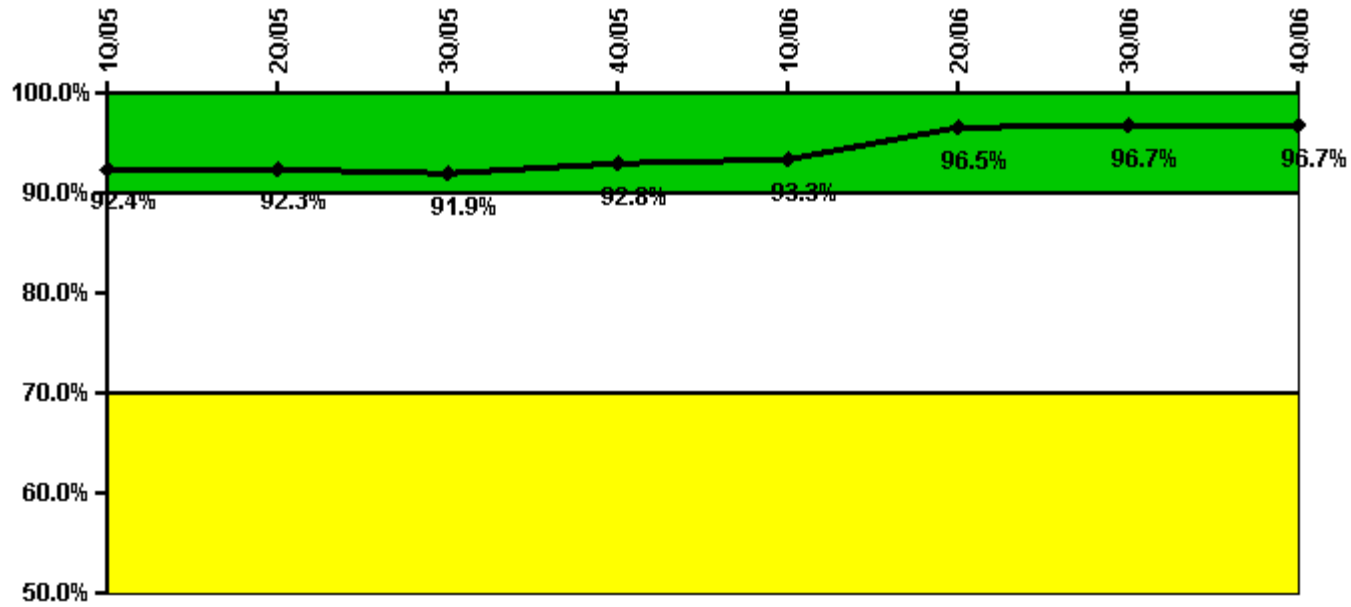
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Drill/Exercise Performance



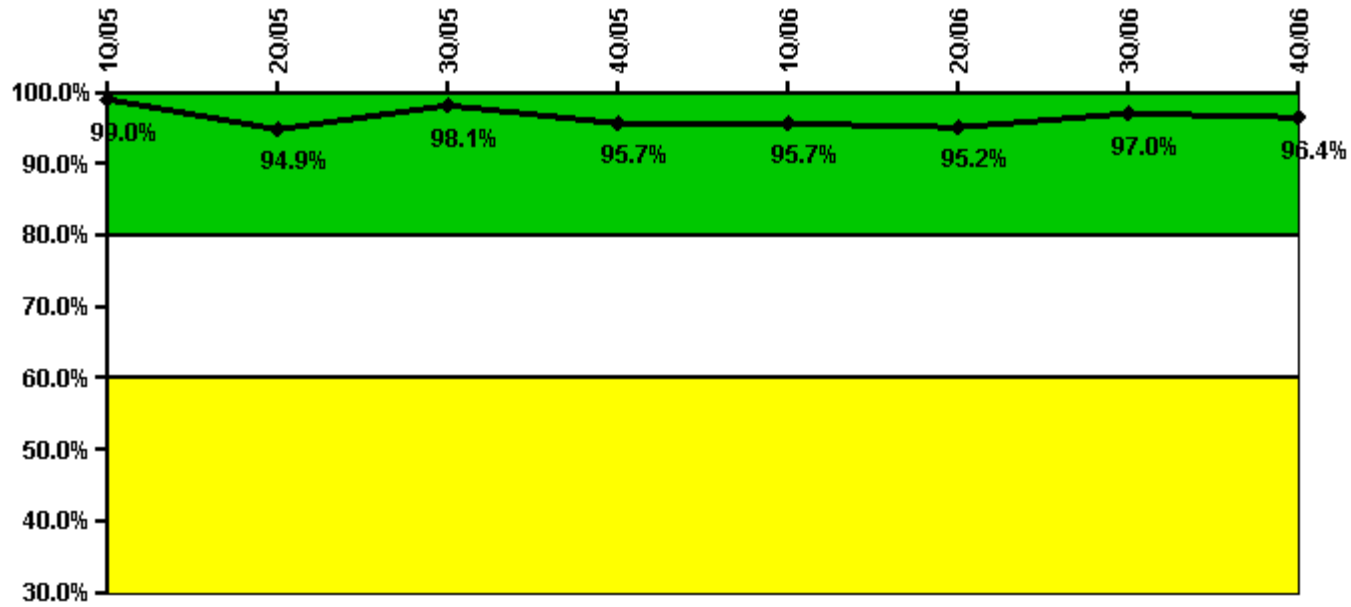
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	33.0	10.0	26.0	40.0	20.0	133.0	52.0	7.0
Total opportunities	34.0	10.0	30.0	41.0	20.0	136.0	54.0	7.0
Indicator value	92.4%	92.3%	91.9%	92.8%	93.3%	96.5%	96.7%	96.7%

Licensee Comments: none

### ERO Drill Participation



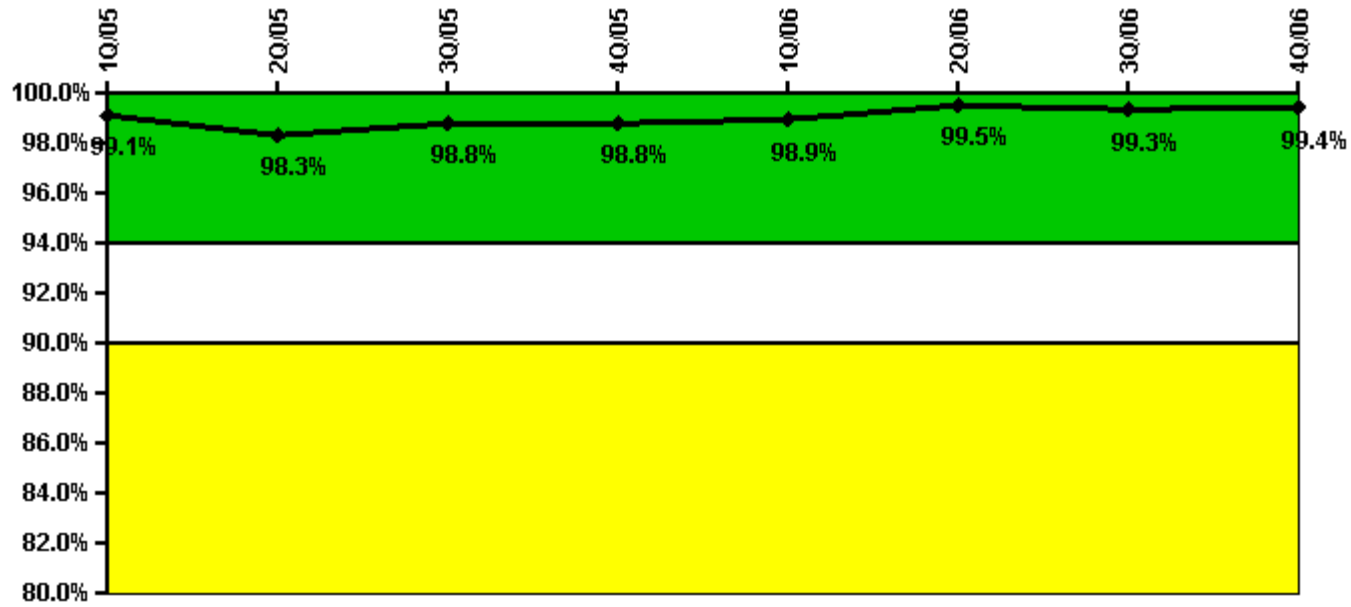
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	100.0	150.0	157.0	155.0	155.0	160.0	163.0	163.0
Total Key personnel	101.0	158.0	160.0	162.0	162.0	168.0	168.0	169.0
Indicator value	99.0%	94.9%	98.1%	95.7%	95.7%	95.2%	97.0%	96.4%

Licensee Comments: none

### Alert & Notification System



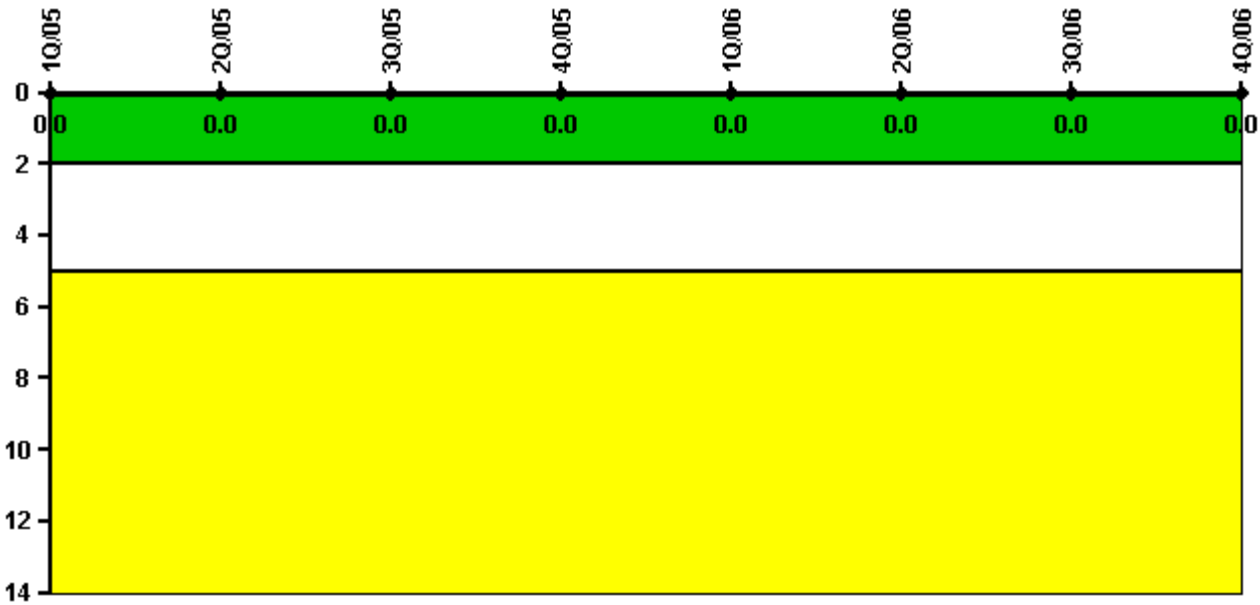
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	1356	1357	1397	1437	1439	1434	1462	1477
Total sirens-tests	1365	1404	1404	1443	1443	1443	1482	1482
Indicator value	99.1%	98.3%	98.8%	98.8%	98.9%	99.5%	99.3%	99.4%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



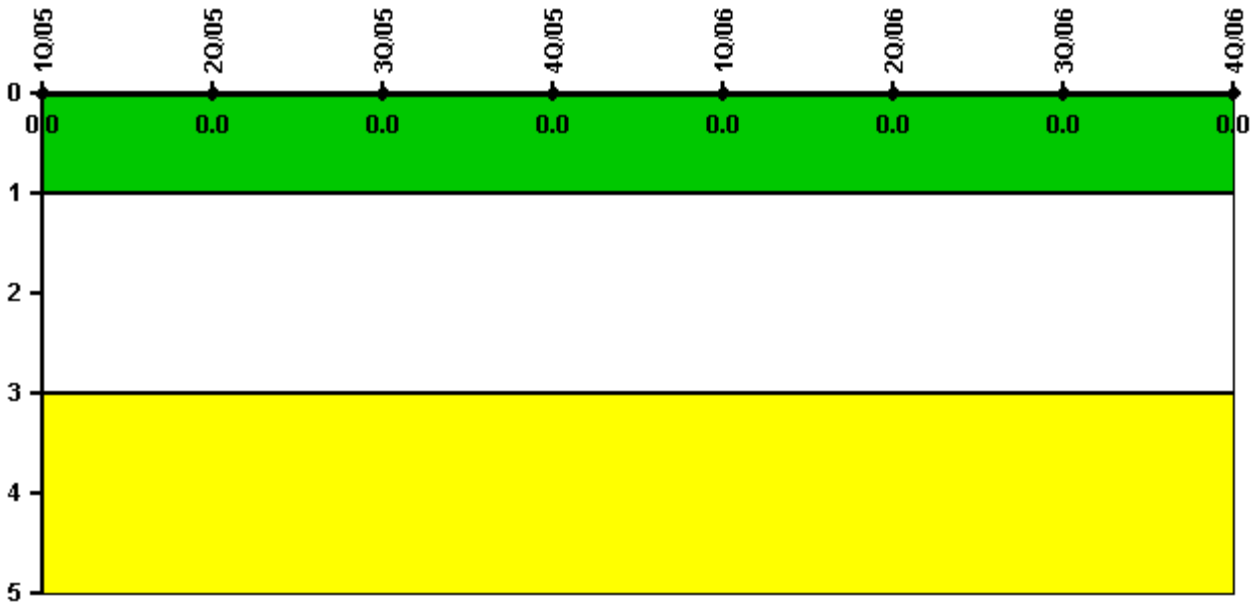
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

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