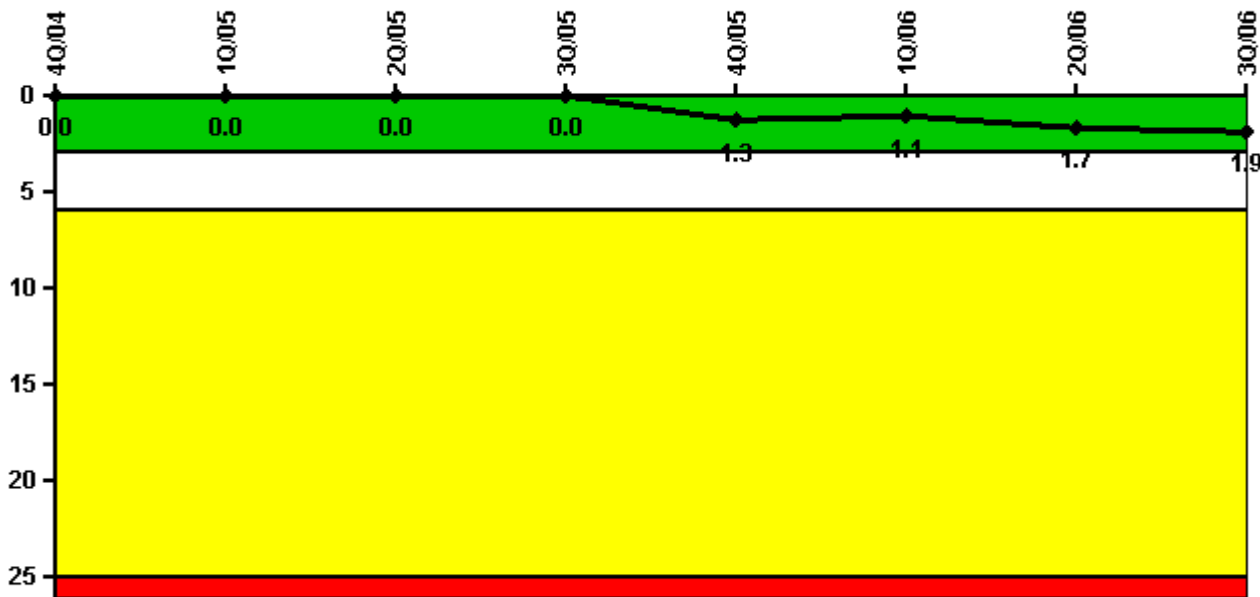


# Kewaunee

## 3Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



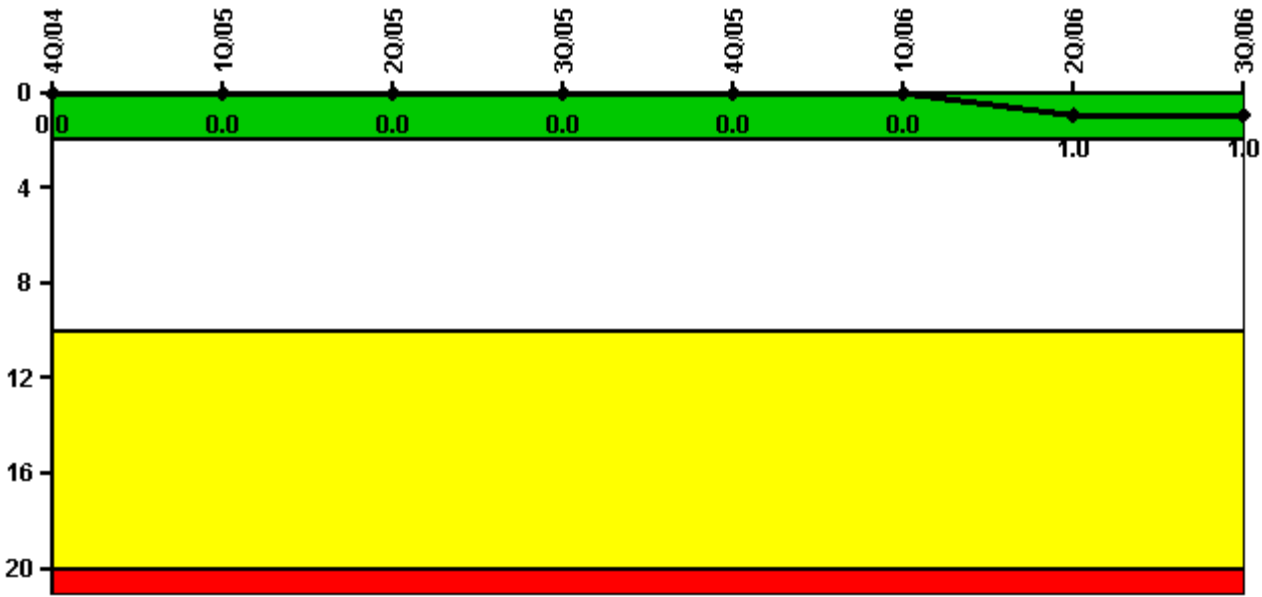
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	1.0	0
Critical hours	896.2	1205.2	0	2189.6	2097.8	2160.0	1575.9	1512.7
Indicator value	0	0	0	0	1.3	1.1	1.7	1.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



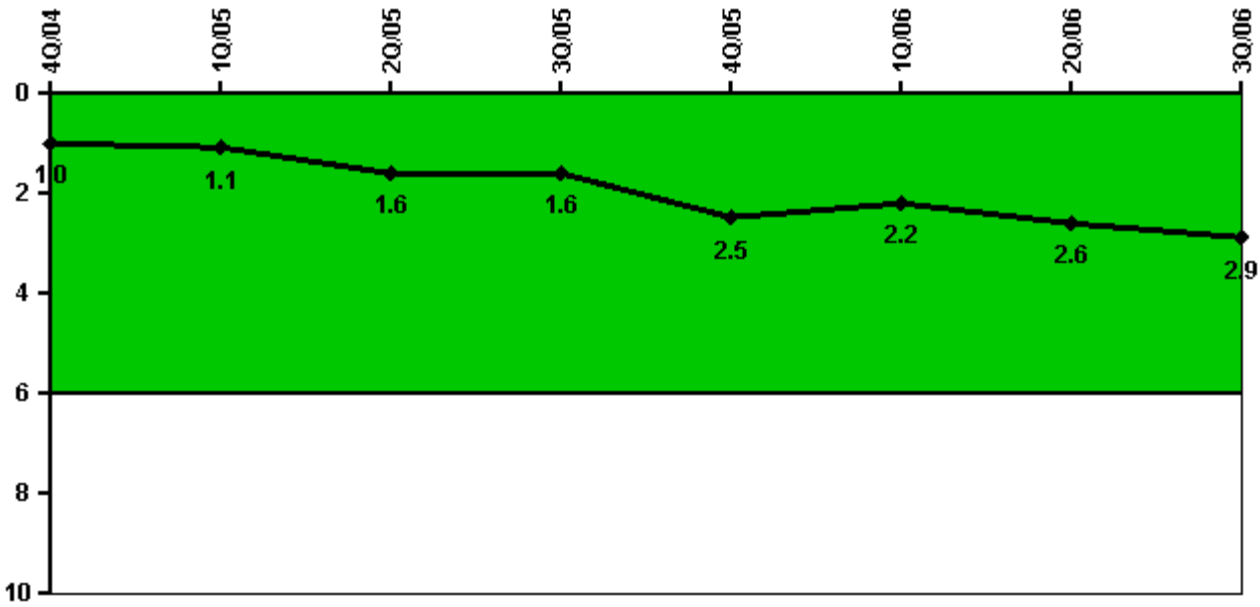
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	0	0	0	0	0	0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



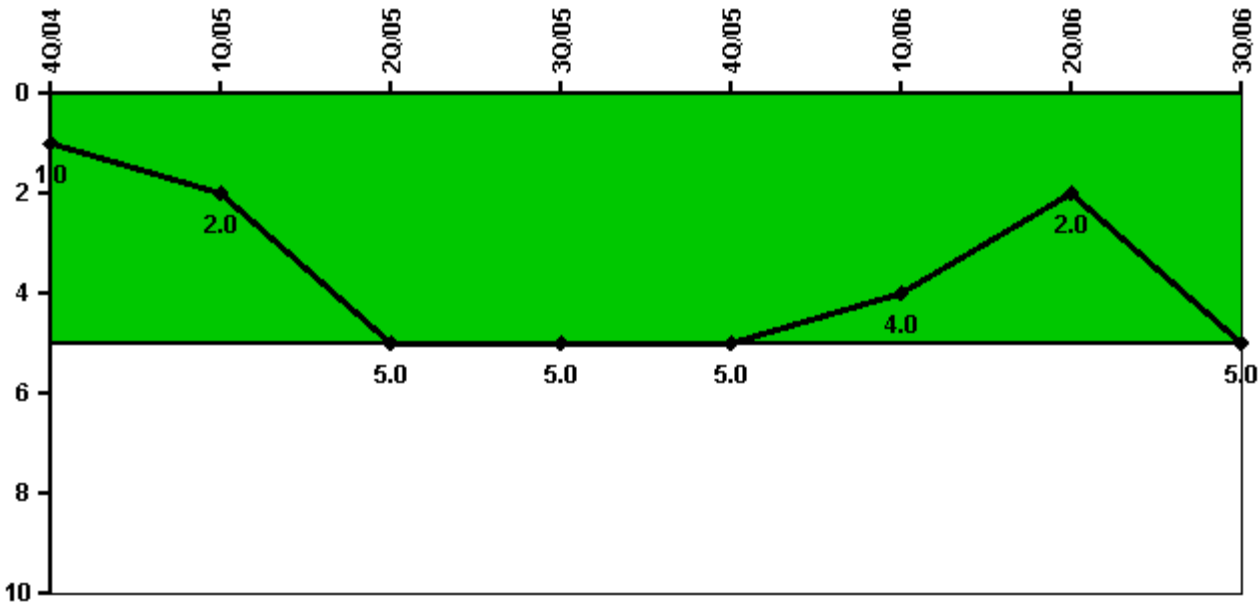
Thresholds: White > 6.0

#### 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	0	1.0	0	0	1.0	1.0	1.0	0
Critical hours	896.2	1205.2	0	2189.6	2097.8	2160.0	1575.9	1512.7
Indicator value	1.0	1.1	1.6	1.6	2.5	2.2	2.6	2.9

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

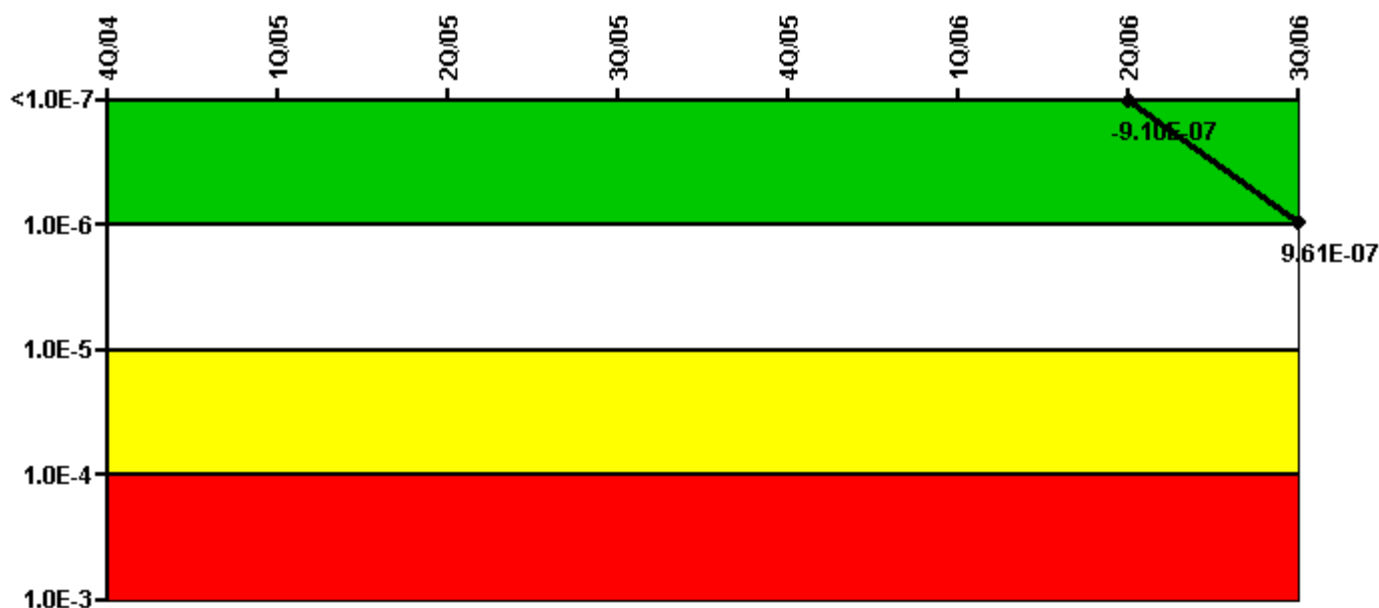
Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	1	1	3	0	1	0	1	3
Indicator value	1	2	5	5	5	4	2	5

Licensee Comments:

3Q/06: July -- LERs 2006-003-00, 2006-004-00, and 2006-005-00 2nd Quarter LER 2006-002-00

2Q/05: An additional SSFF has been added to May 2005. The event had been identified and reported as an SSFF in LER 2005-007, but was inadvertently overlooked when entering data in CDE. This additional SSFF in the 2nd quarter of 2005 did not change the color (green) for SSFFs in that quarter or the 3 subsequent quarters.

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



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

#### Notes

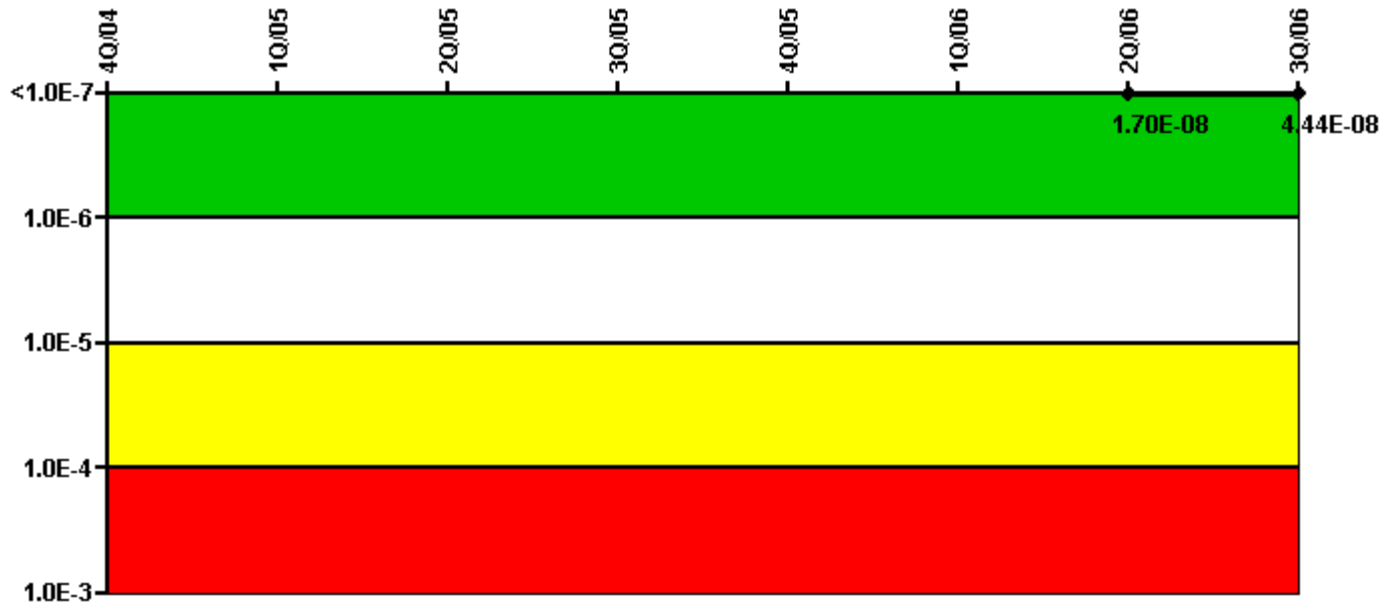
Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-8.00E-08	-3.90E-08
URI (ΔCDF)							-8.30E-07	1.00E-06
PLE							NO	NO
Indicator value							-9.10E-07	9.61E-07

#### Licensee Comments:

3Q/06: One MSPI failure is under investigation. Updated the CDF for the unit. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006.

2Q/06: Changed PRA Parameter(s). The PRA Parameters were changed before the end of June to reflect the June 2006 PRA. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006. This change does not change the resulting color (green).

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



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

**Notes**

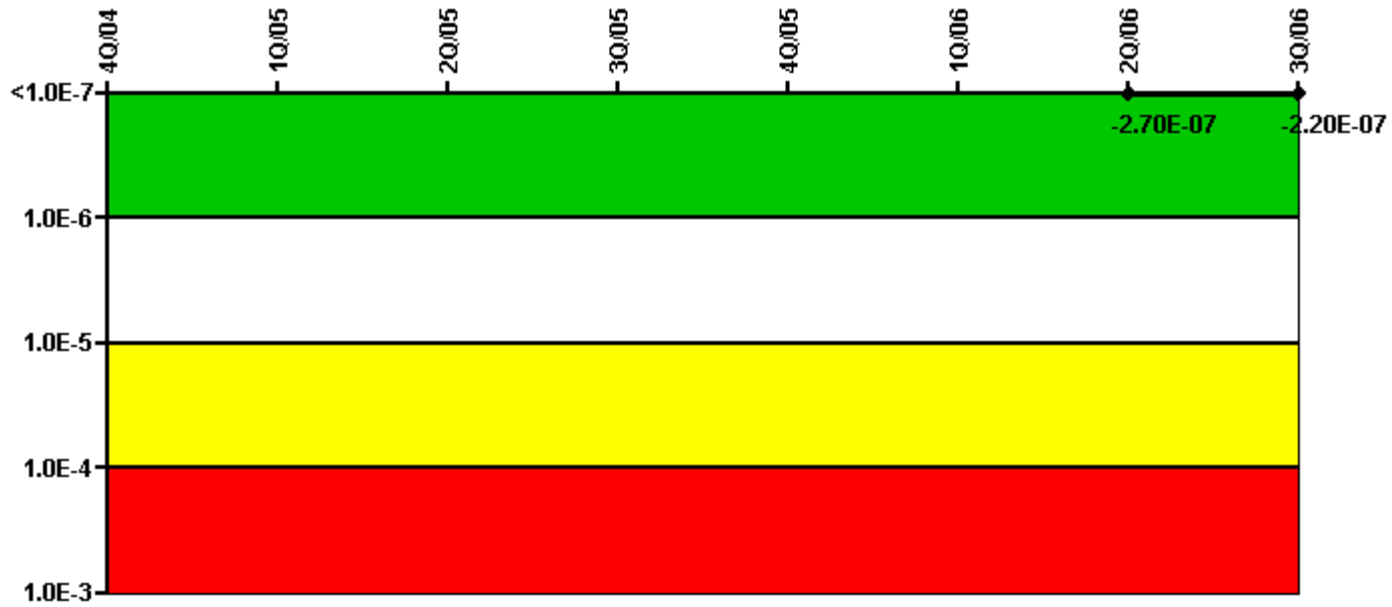
Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							-5.00E-09	-5.60E-09
URI ( $\Delta$ CDF)							2.20E-08	5.00E-08
PLE							NO	NO
Indicator value							1.70E-08	4.44E-08

Licensee Comments:

3Q/06: Updated the CDF for the unit. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006.

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

### Mitigating Systems Performance Index, Heat Removal System



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

#### Notes

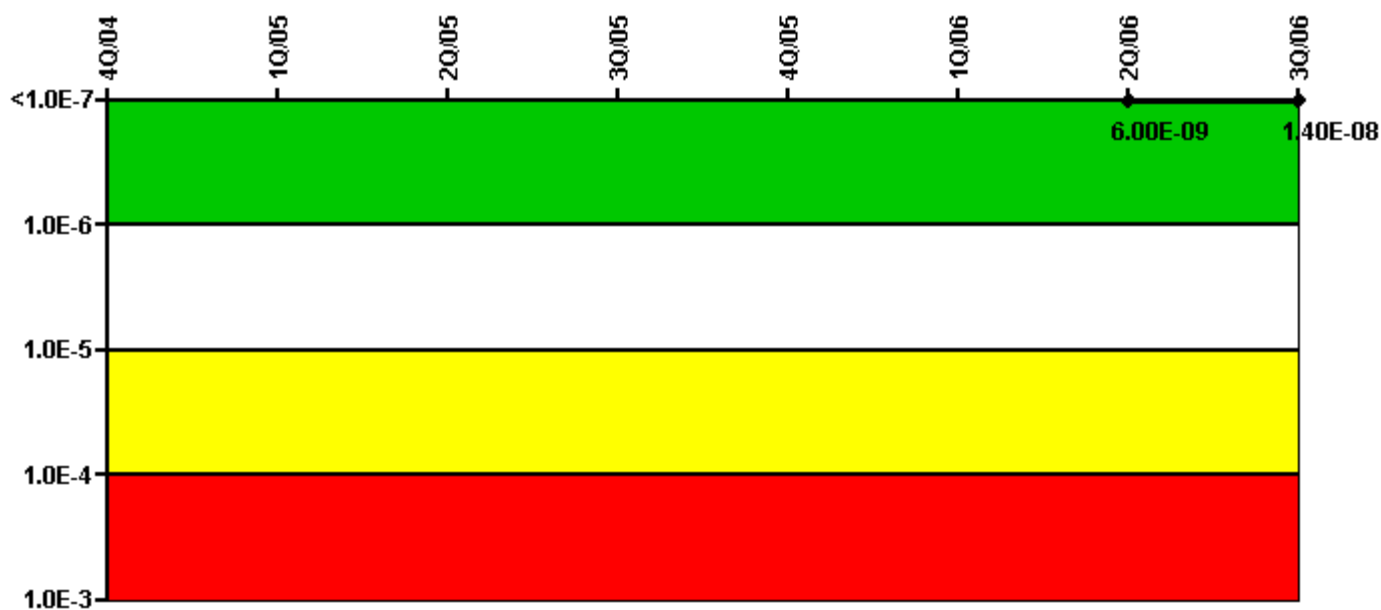
Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							2.30E-07	2.10E-07
URI ( $\Delta$ CDF)							-5.00E-07	-4.30E-07
PLE							NO	NO
Indicator value							-2.70E-07	-2.20E-07

Licensee Comments:

3Q/06: Updated the CDF for the unit. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006.

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

### 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)							2.90E-08	5.90E-08
URI ( $\Delta$ CDF)							-2.30E-08	-4.50E-08
PLE							NO	NO
Indicator value							6.00E-09	1.40E-08

Licensee Comments:

3Q/06: Updated the CDF for the unit. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006.

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



### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

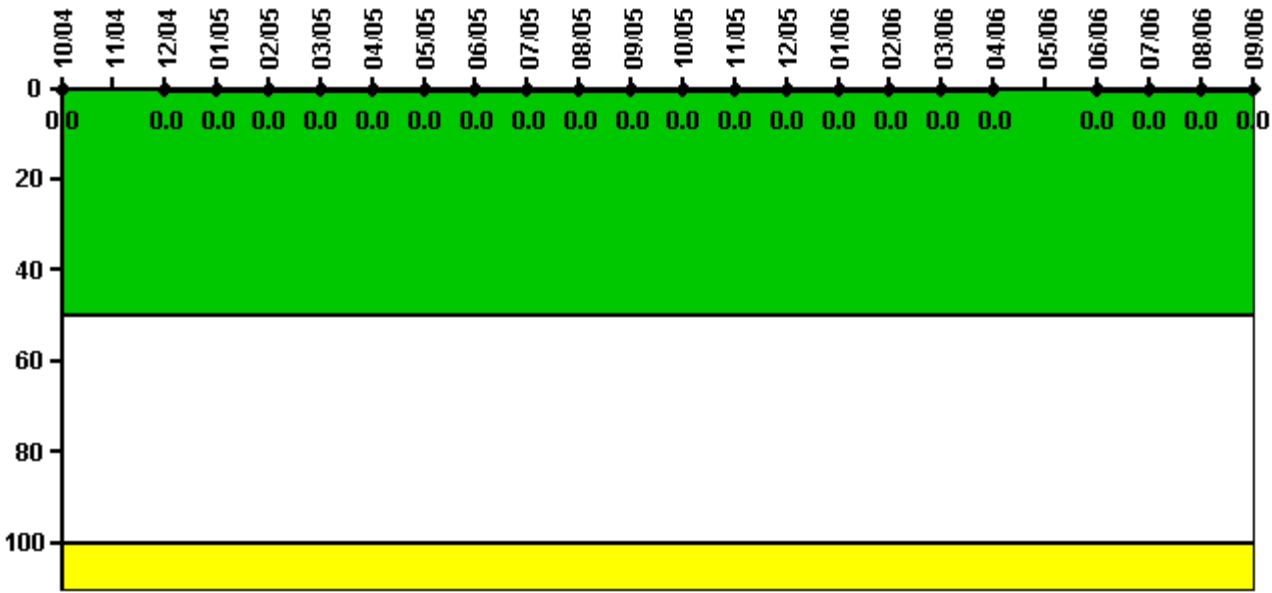
Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-2.70E-08	-1.40E-07
URI (ΔCDF)							-8.00E-08	2.80E-07
PLE							NO	NO
Indicator value							-1.07E-07	1.40E-07

#### Licensee Comments:

3Q/06: An override was used to change the FVUAP values for MSPI CWS2 (Component Cooling) to reflect changes made to the PRA in June of 2006 such that they would be in effect for 3rd quarter 2006. A transcription error occurred when transferring data within the Basis Document. This error was carried over into CDE. The FVUAP for the remaining systems were previously changed before the end of June to reflect the June 2006 PRA. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006. This change does not change the resulting color (green) for CWS2.

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

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

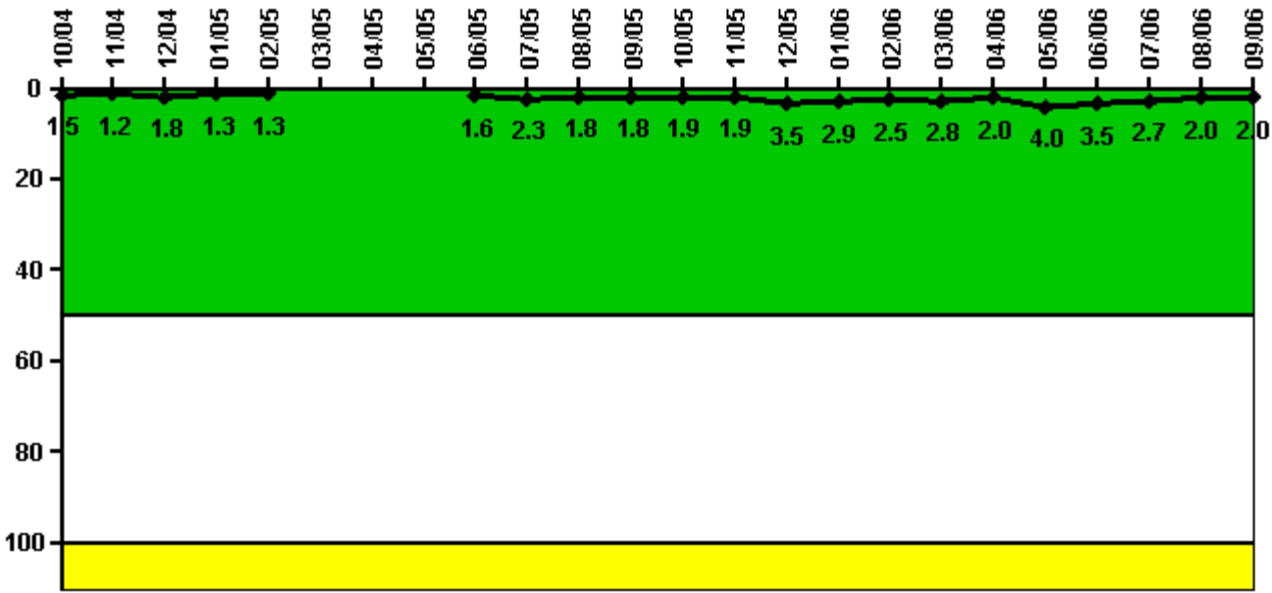
Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000117	N/A	0.000083	0.000084	0.000089	0	0	0	0	0.000094	0.000099	0.000100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	N/A	0	0	0	0	0	0	0	0	0	0

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	0.000106	0.000091	0.000106	0.000117	0.000101	0.000118	0.000116	N/A	0.000127	0.000125	0.000197	0.000139
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	N/A	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

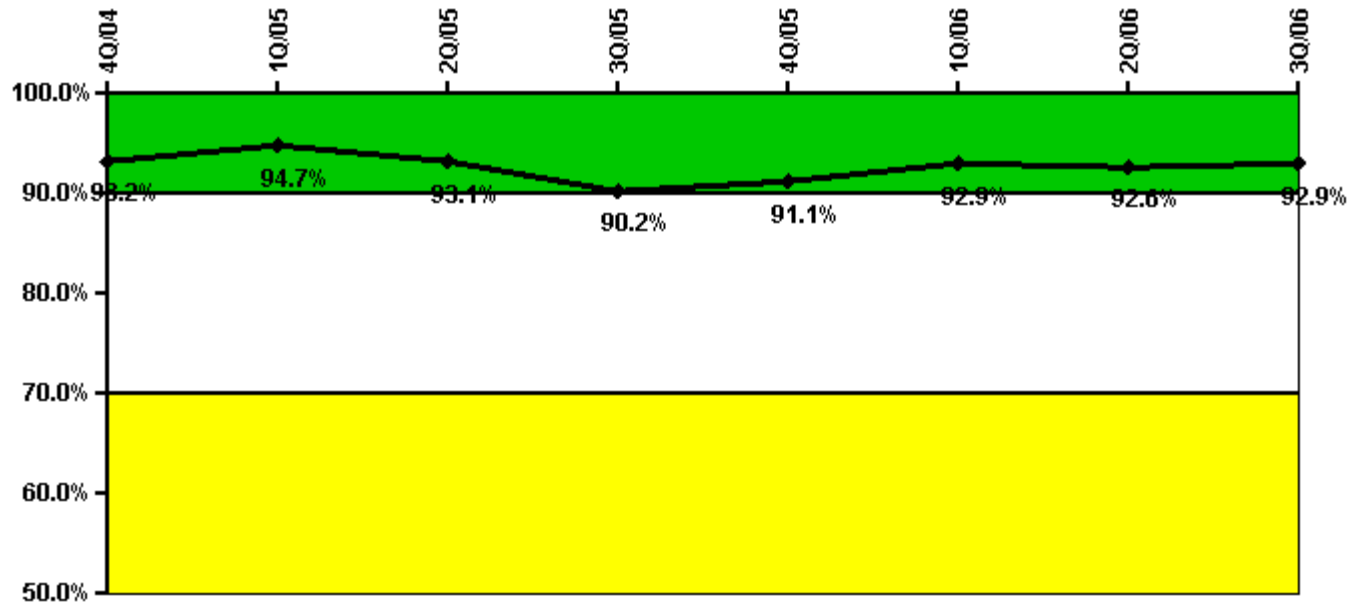
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.146	0.117	0.177	0.133	0.129	N/A	N/A	N/A	0.156	0.227	0.181	0.175
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.2	1.8	1.3	1.3	N/A	N/A	N/A	1.6	2.3	1.8	1.8

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	0.188	0.192	0.347	0.285	0.247	0.279	0.197	0.404	0.345	0.268	0.200	0.200
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	1.9	1.9	3.5	2.9	2.5	2.8	2.0	4.0	3.5	2.7	2.0	2.0

Licensee Comments: none

### Drill/Exercise Performance



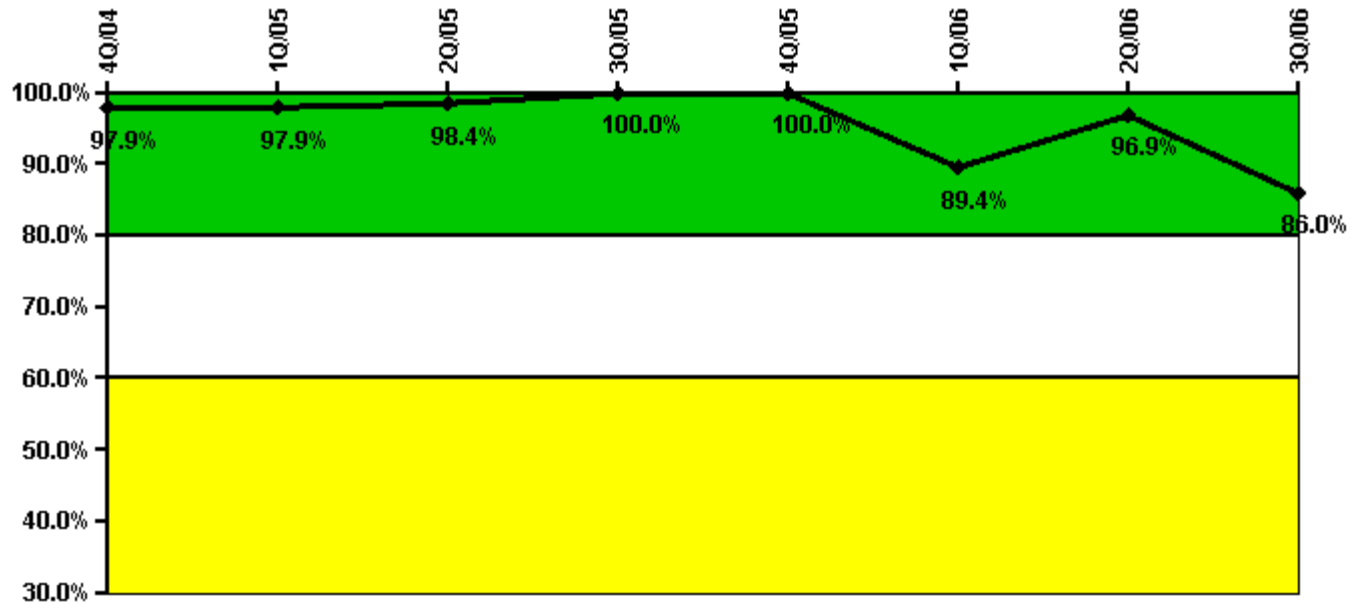
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	0	32.0	30.0	11.0	49.0	31.0	23.0	6.0
Total opportunities	0	32.0	32.0	16.0	52.0	31.0	27.0	6.0
Indicator value	93.2%	94.7%	93.1%	90.2%	91.1%	92.9%	92.6%	92.9%

Licensee Comments: none

### ERO Drill Participation



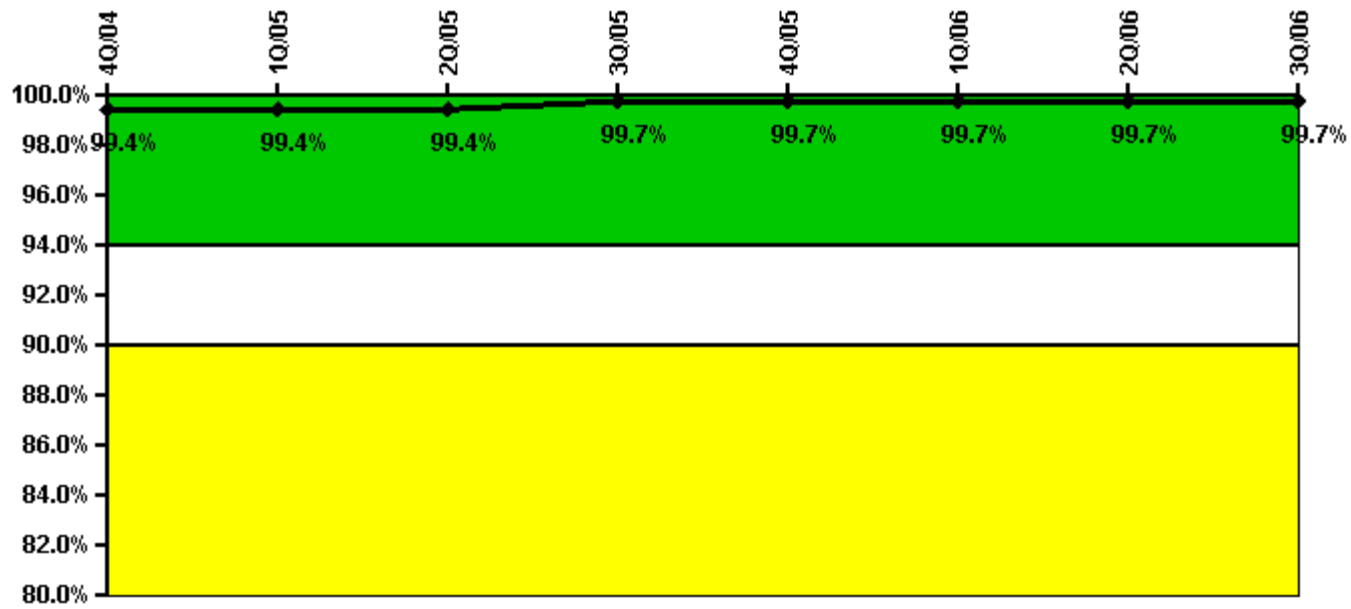
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	47.0	46.0	62.0	64.0	61.0	59.0	62.0	43.0
Total Key personnel	48.0	47.0	63.0	64.0	61.0	66.0	64.0	50.0
Indicator value	97.9%	97.9%	98.4%	100.0%	100.0%	89.4%	96.9%	86.0%

Licensee Comments: none

### Alert & Notification System



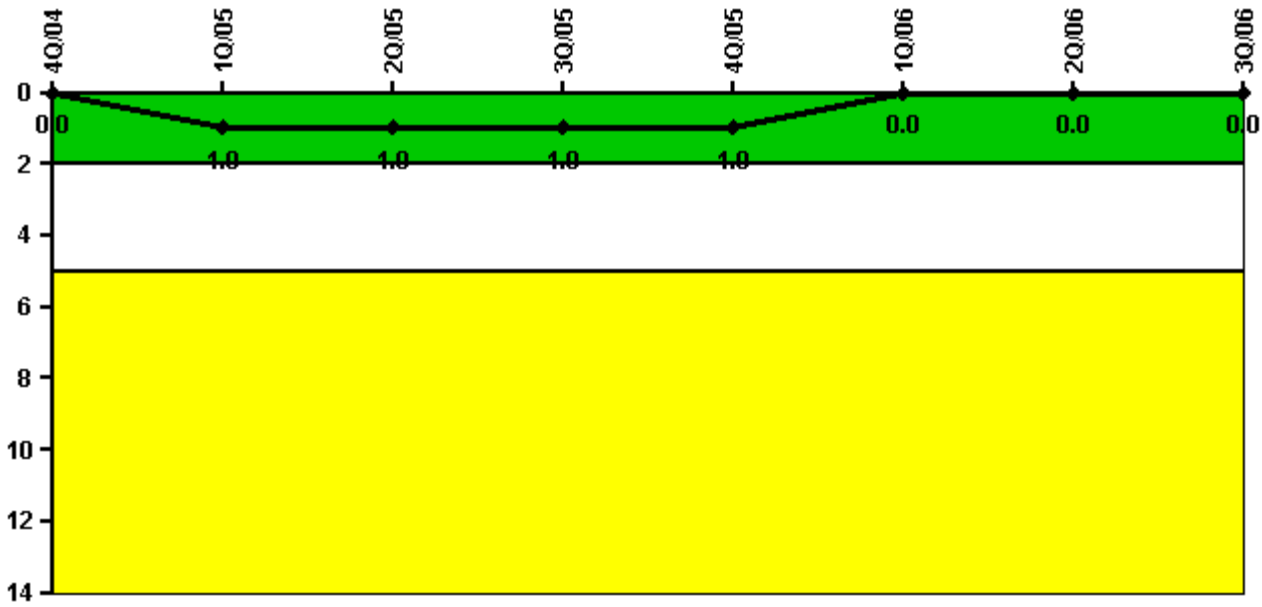
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	78	77	78	77	78	77	78	78
Total sirens-tests	78	78	78	77	78	78	78	78
Indicator value	99.4%	99.4%	99.4%	99.7%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



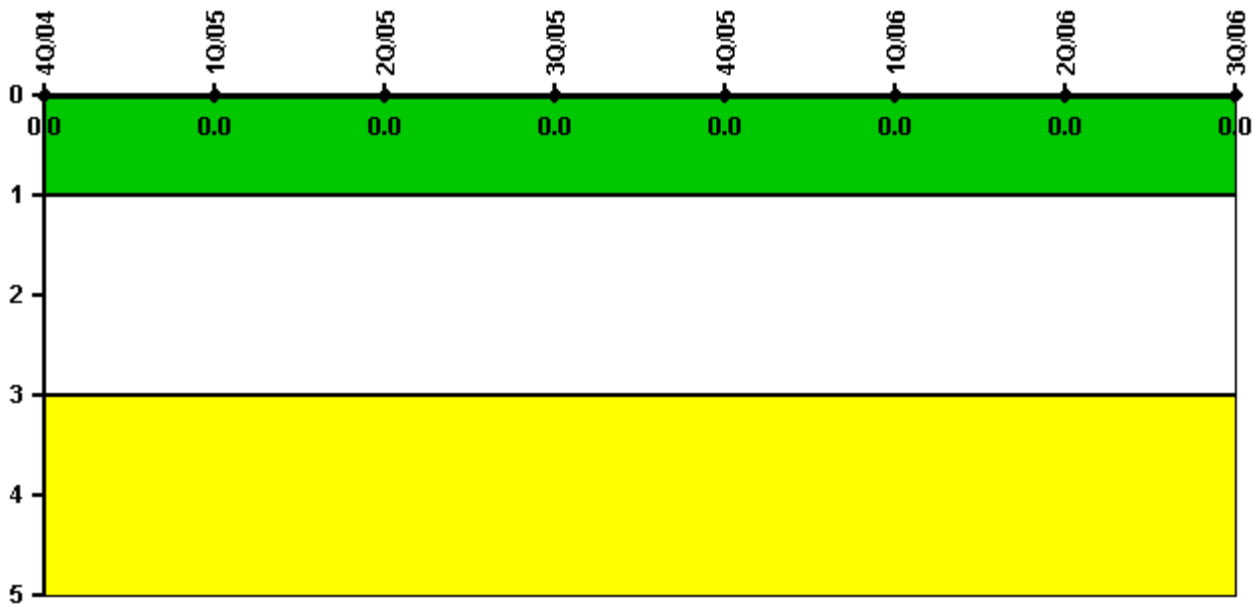
Thresholds: White > 2.0 Yellow > 5.0

#### 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	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/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.