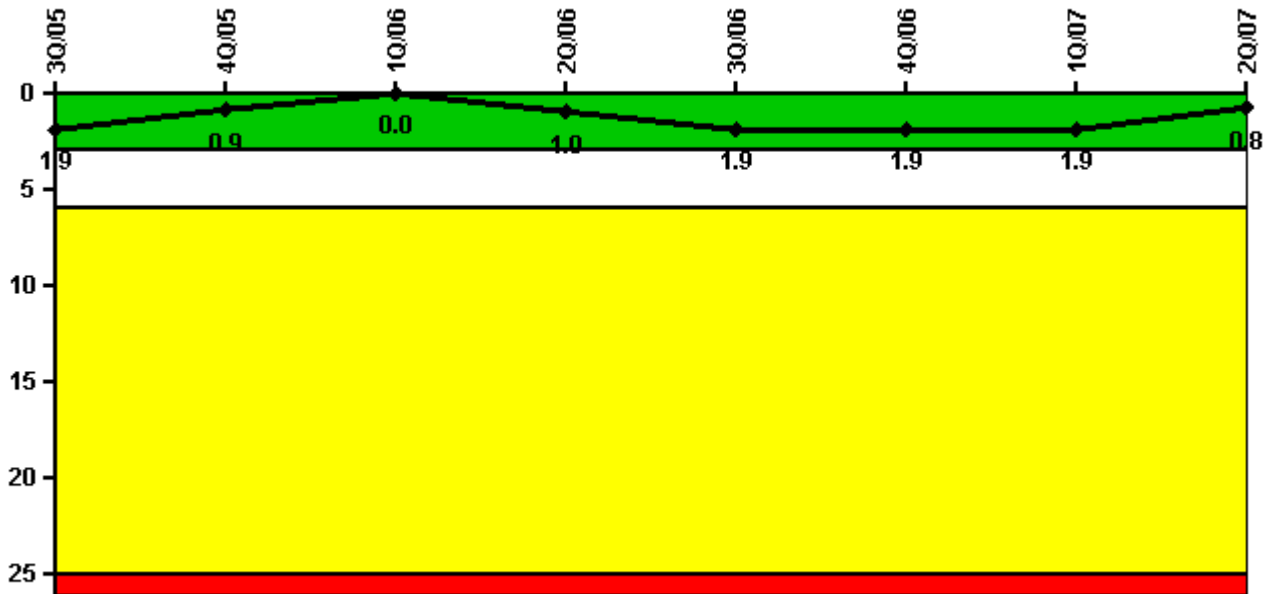


# Fermi 2

## 2Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



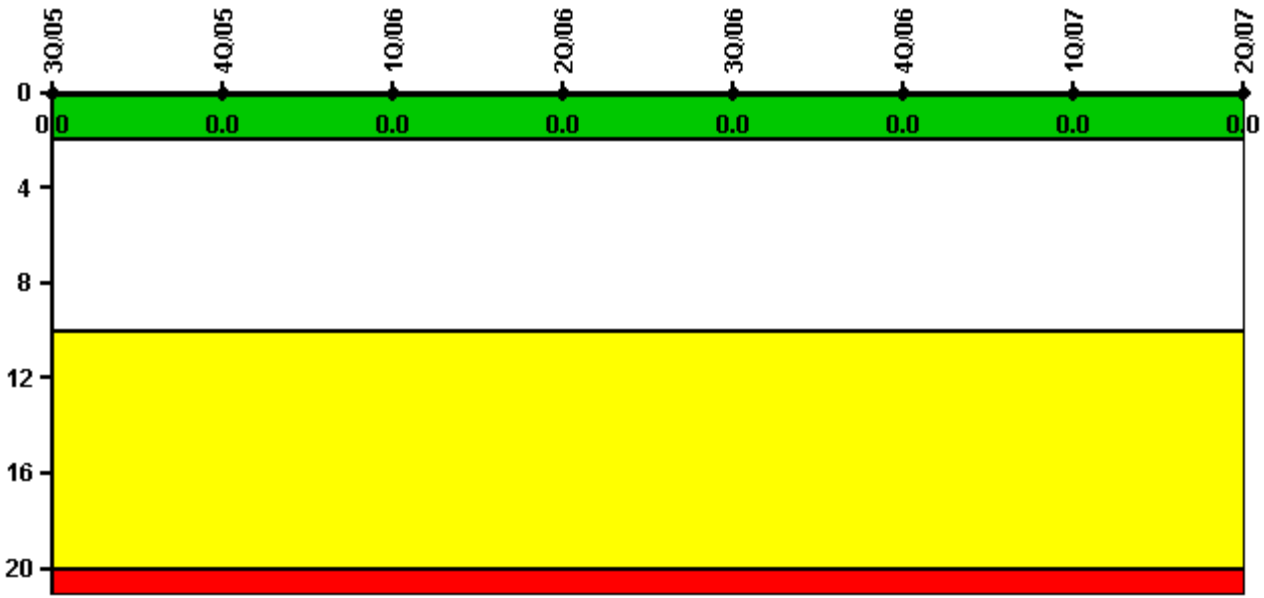
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	1.0	1.0	0	0	0
Critical hours	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0
Indicator value	1.9	0.9	0	1.0	1.9	1.9	1.9	0.8

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



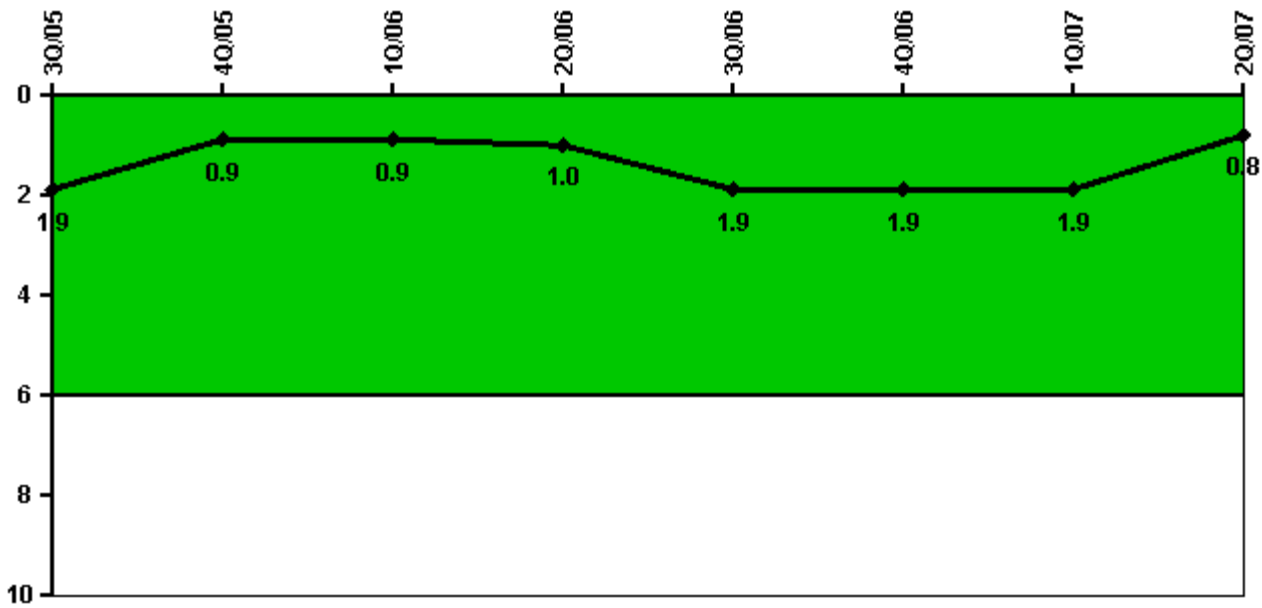
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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



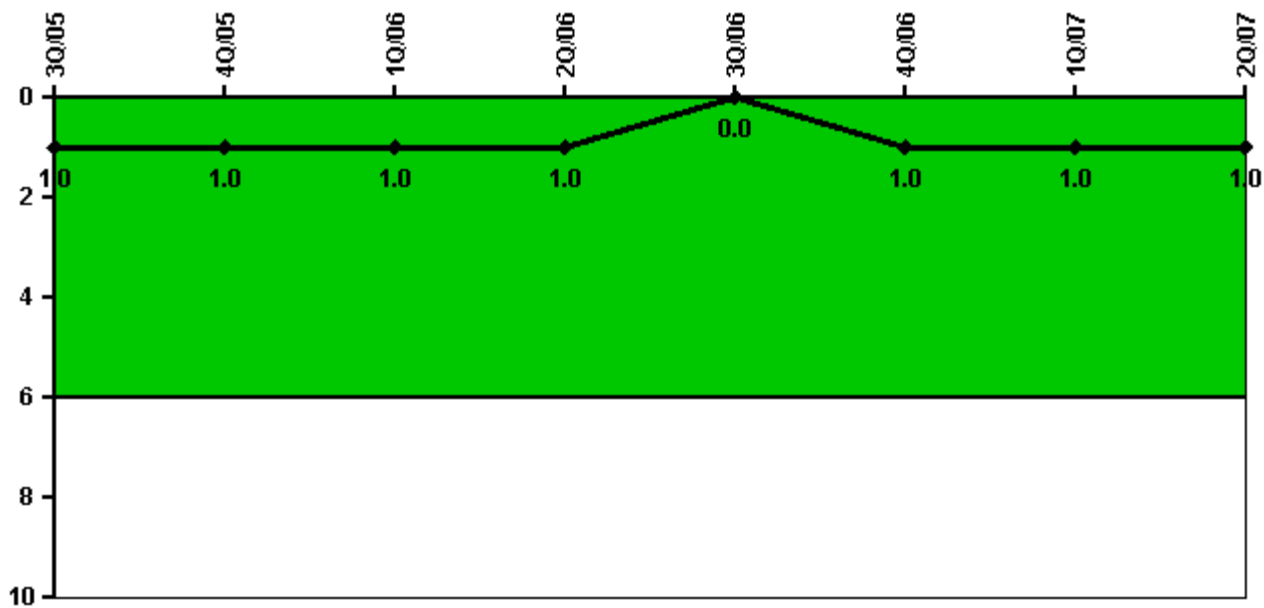
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0
<b>Indicator value</b>	<b>1.9</b>	<b>0.9</b>	<b>0.9</b>	<b>1.0</b>	<b>1.9</b>	<b>1.9</b>	<b>1.9</b>	<b>0.8</b>

Licensee Comments: none

# Safety System Functional Failures (BWR)



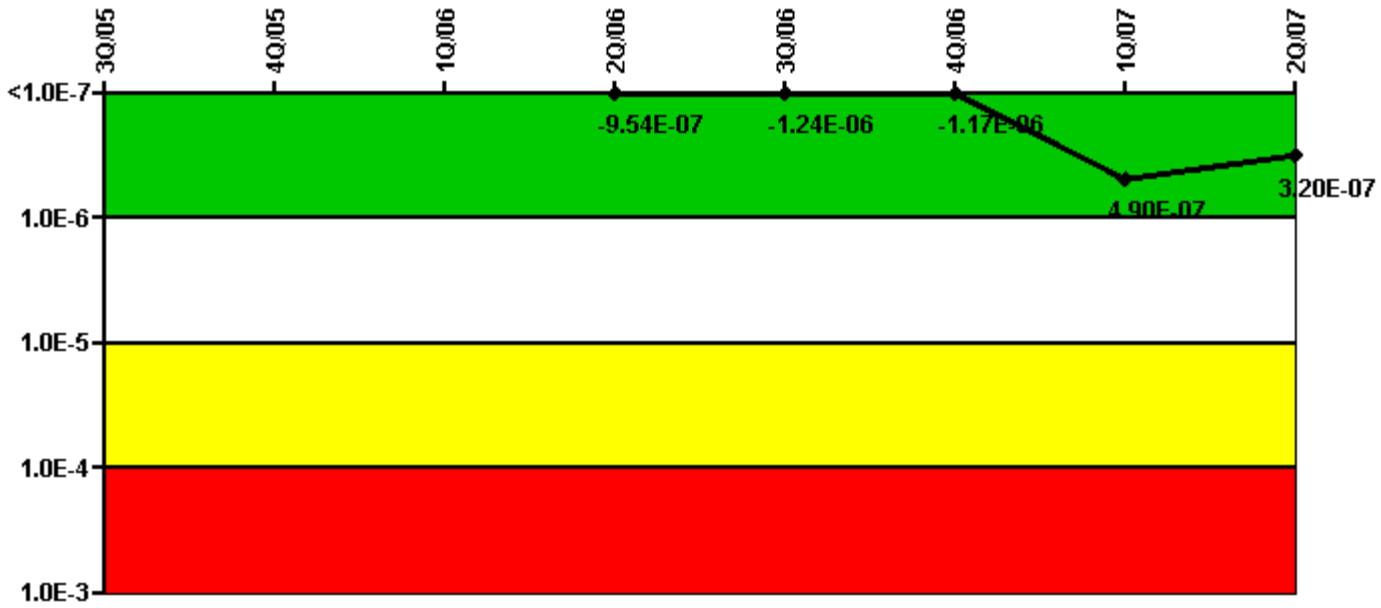
Thresholds: White > 6.0

## Notes

Safety System Functional Failures (BWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	1	1	1	1	0	1	1	1

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



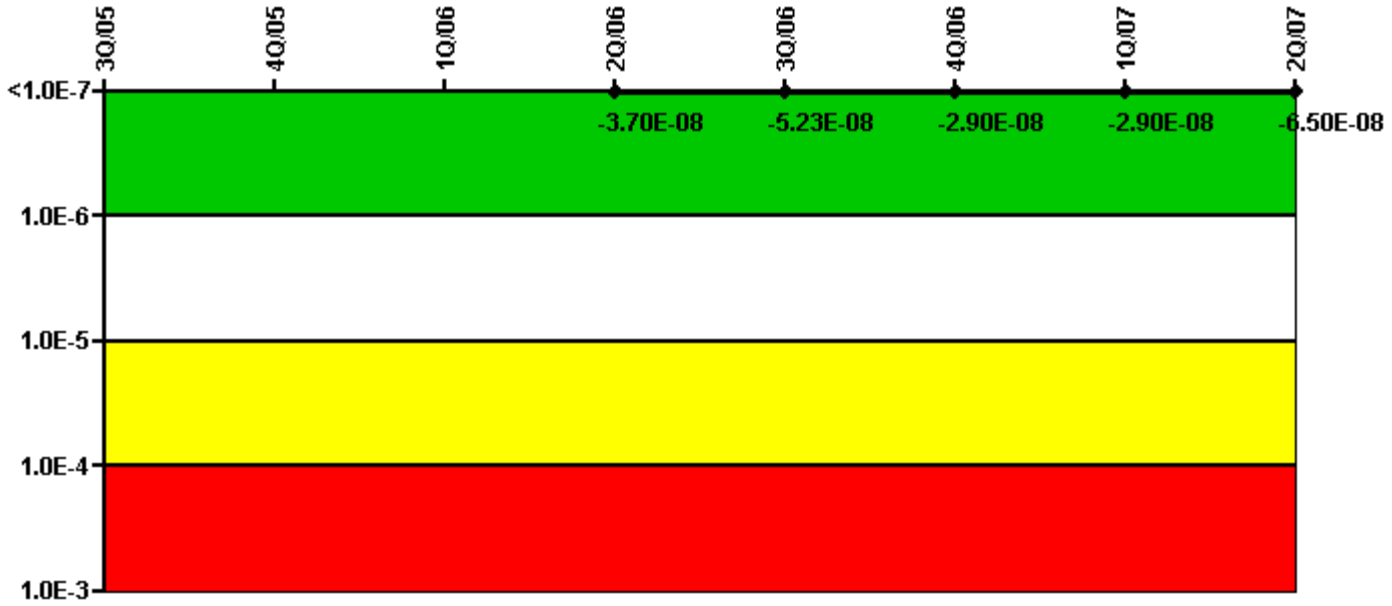
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07
URI (ΔCDF)				-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-9.54E-07	-1.24E-06	-1.17E-06	4.90E-07	3.20E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



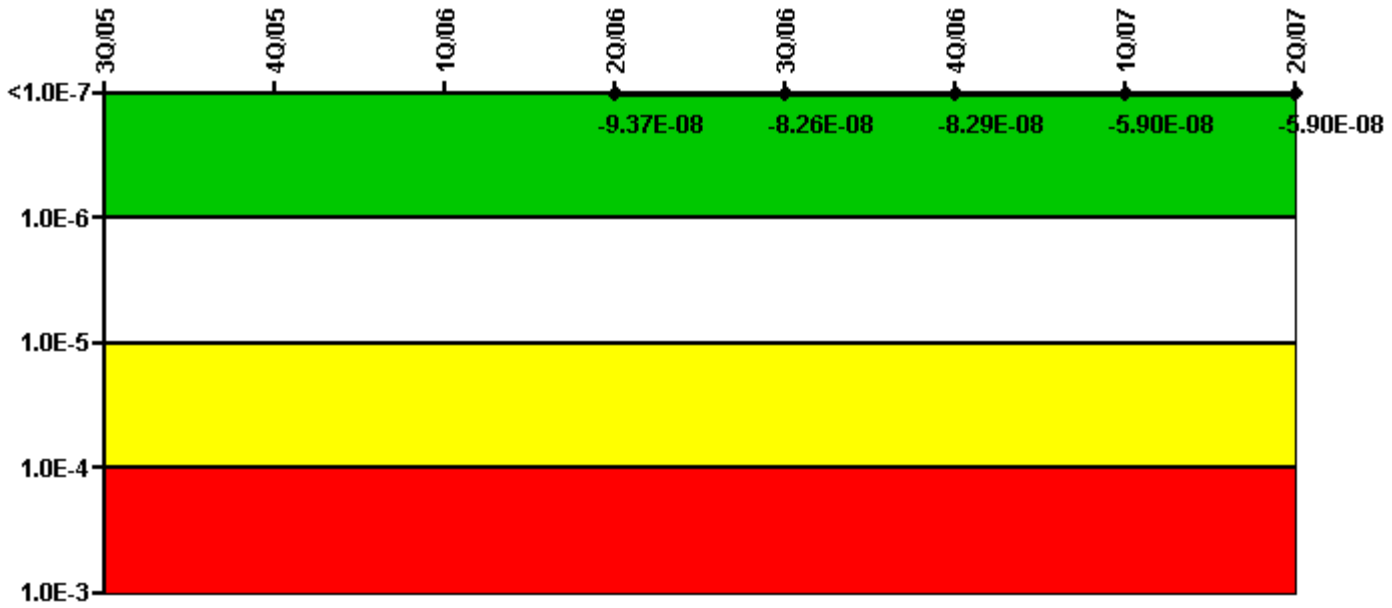
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08
URI ( $\Delta$ CDF)				-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-3.70E-08	-5.23E-08	-2.90E-08	-2.90E-08	-6.50E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



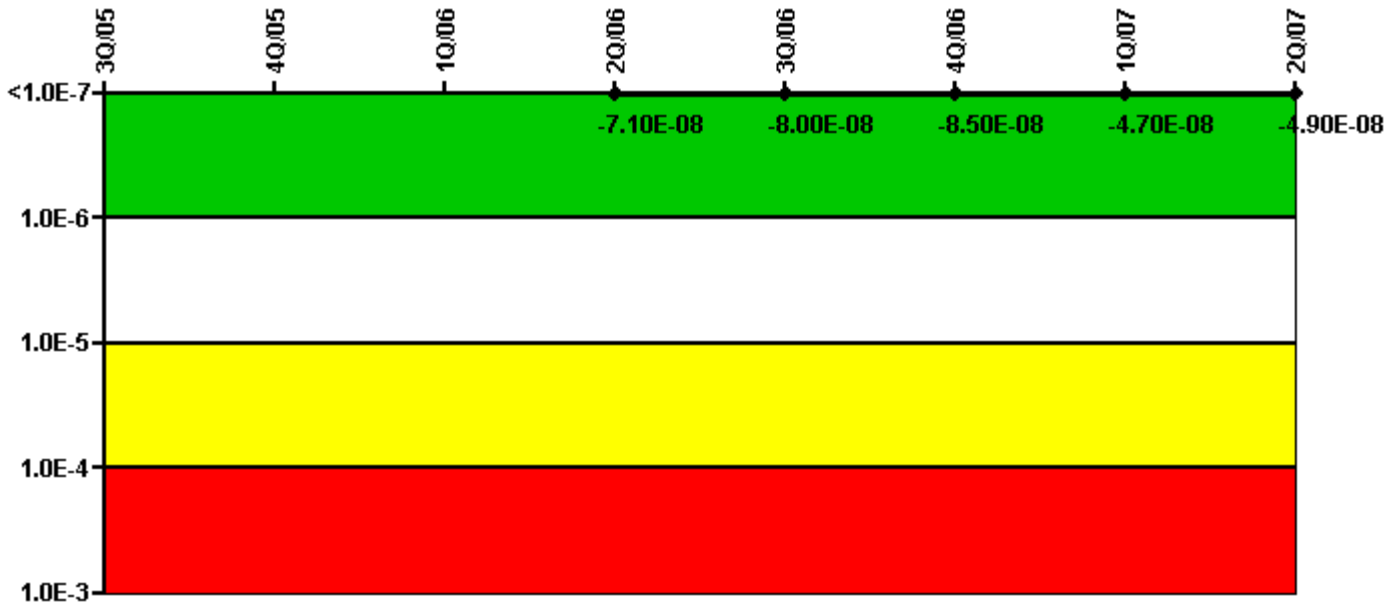
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08
URI ( $\Delta$ CDF)				-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-9.37E-08	-8.26E-08	-8.29E-08	-5.90E-08	-5.90E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

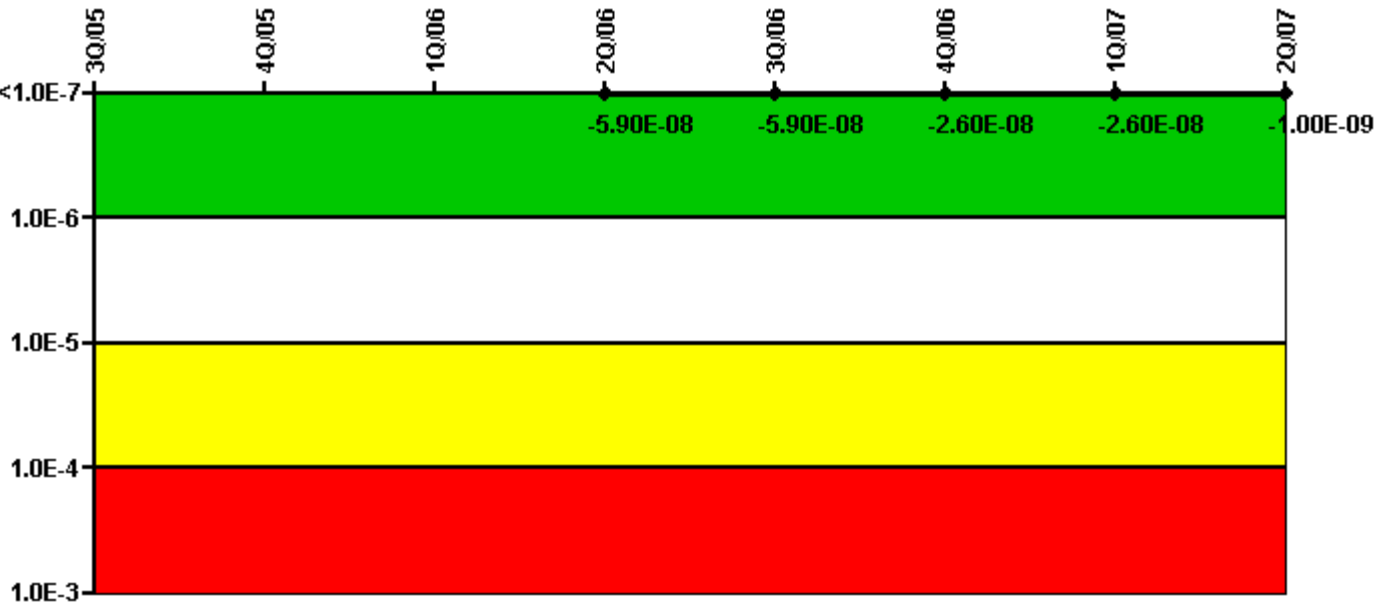
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08
URI ( $\Delta$ CDF)				-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-7.10E-08	-8.00E-08	-8.50E-08	-4.70E-08	-4.90E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



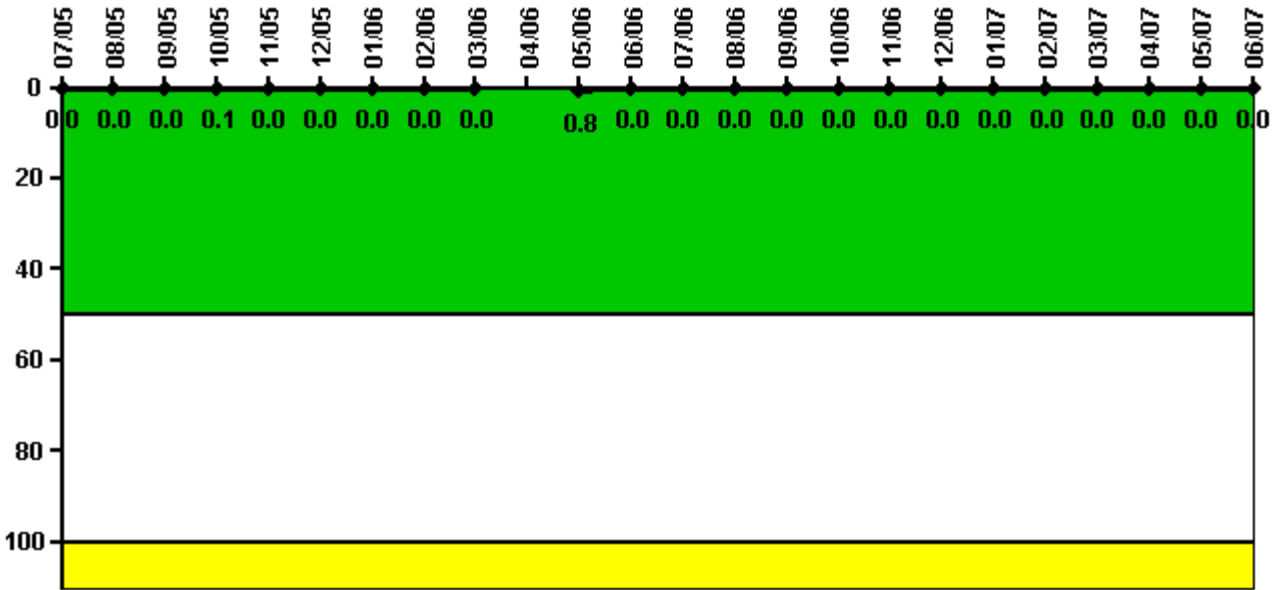
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08
URI (ΔCDF)				-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-5.90E-08	-5.90E-08	-2.60E-08	-2.60E-08	-1.00E-09

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

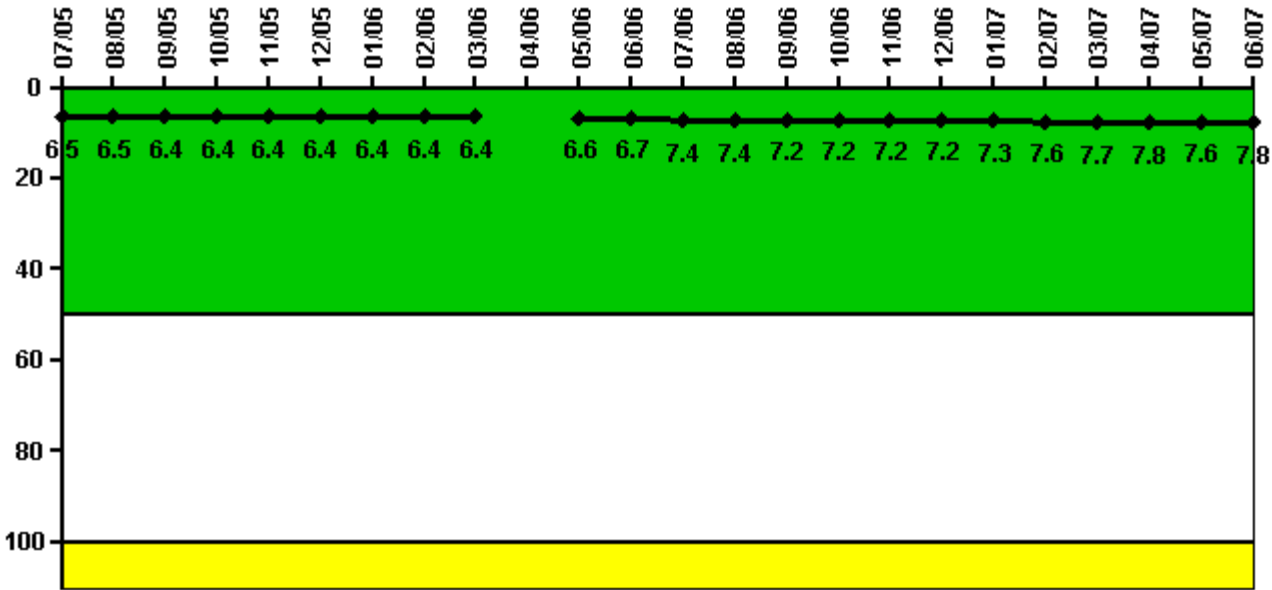
Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084	N/A	0.001650	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0.1	0	0	0	0	0	N/A	0.8	0

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

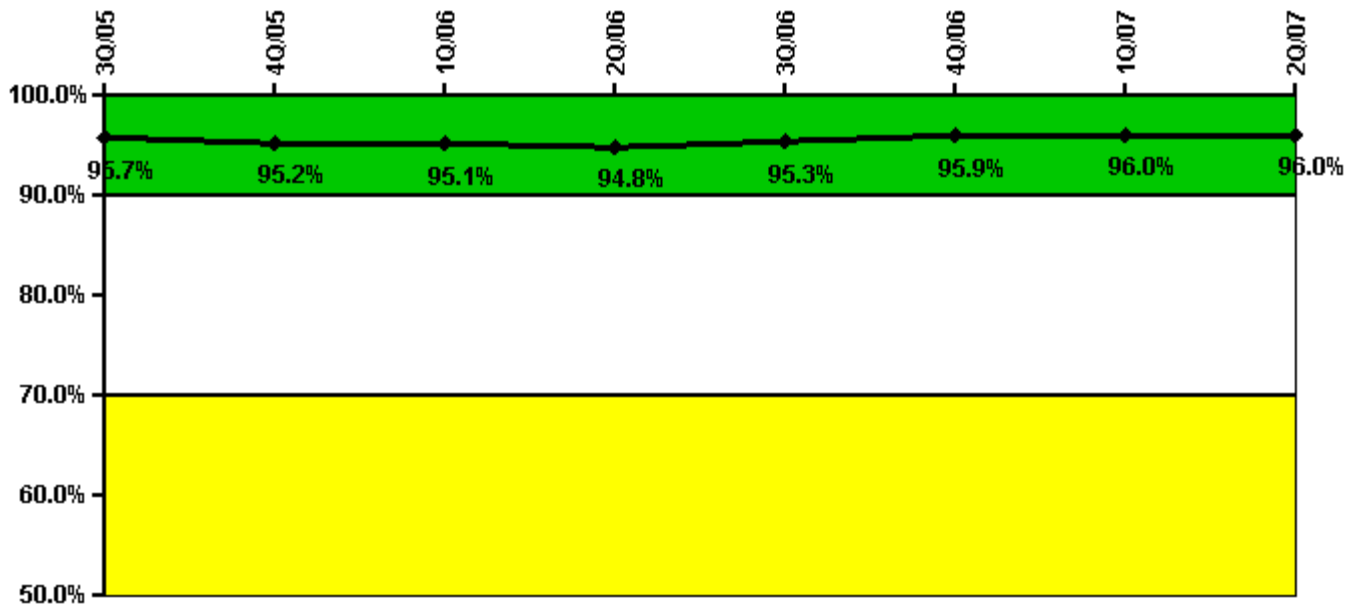
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610	N/A	1.660	1.670
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	N/A	6.6	6.7

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920	1.950	1.900	1.940
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.4	7.4	7.2	7.2	7.2	7.2	7.3	7.6	7.7	7.8	7.6	7.8

Licensee Comments: none

## Drill/Exercise Performance



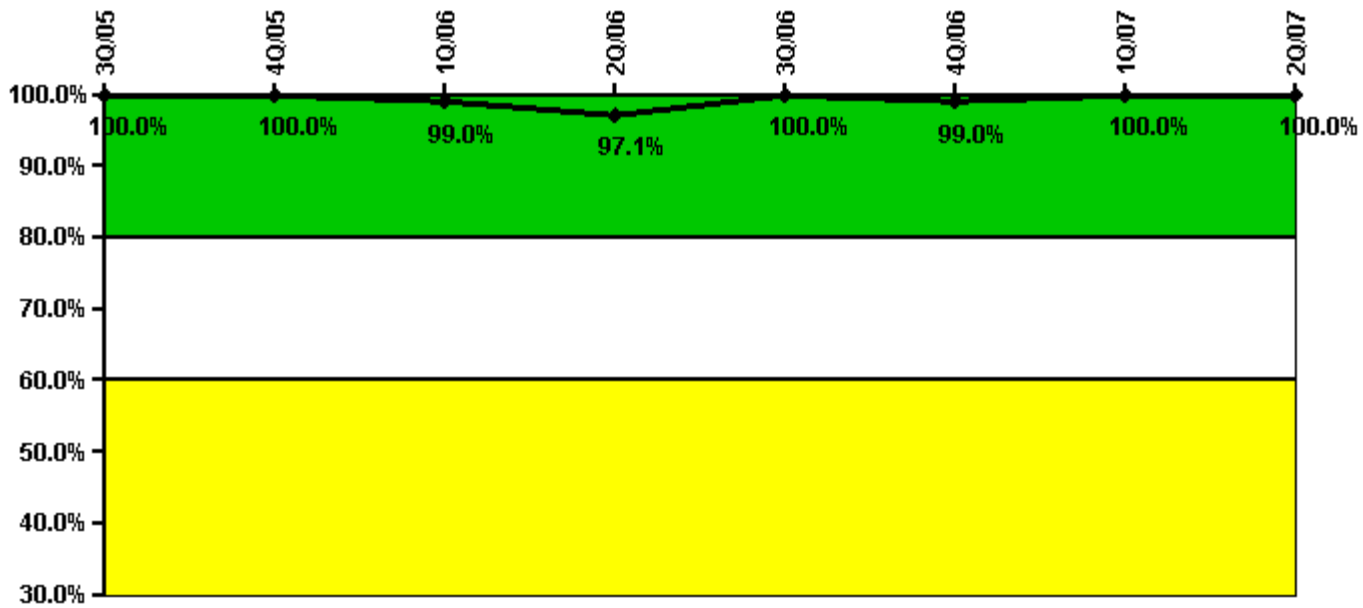
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	56.0	30.0	11.0	37.0	60.0	25.0	18.0	25.0
Total opportunities	59.0	33.0	12.0	38.0	62.0	25.0	19.0	25.0
<b>Indicator value</b>	<b>95.7%</b>	<b>95.2%</b>	<b>95.1%</b>	<b>94.8%</b>	<b>95.3%</b>	<b>95.9%</b>	<b>96.0%</b>	<b>96.0%</b>

Licensee Comments: none

# ERO Drill Participation



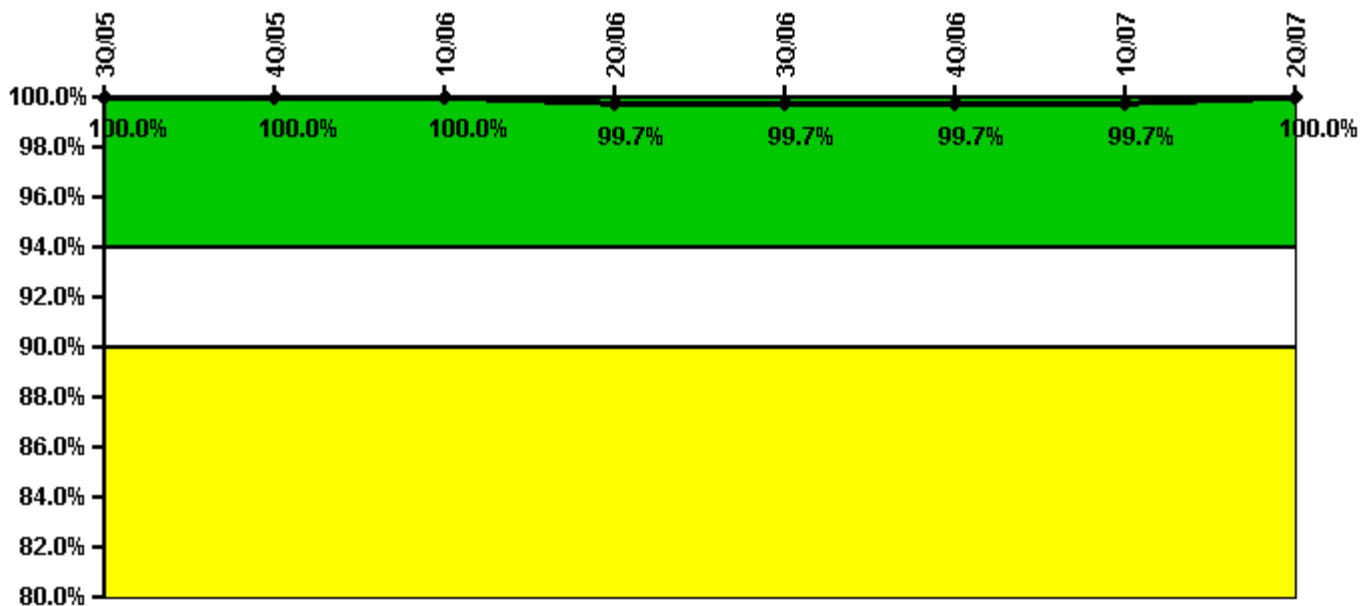
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	107.0	105.0	102.0	102.0	103.0	103.0	106.0	105.0
Total Key personnel	107.0	105.0	103.0	105.0	103.0	104.0	106.0	105.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.0%</b>	<b>97.1%</b>	<b>100.0%</b>	<b>99.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

# Alert & Notification System



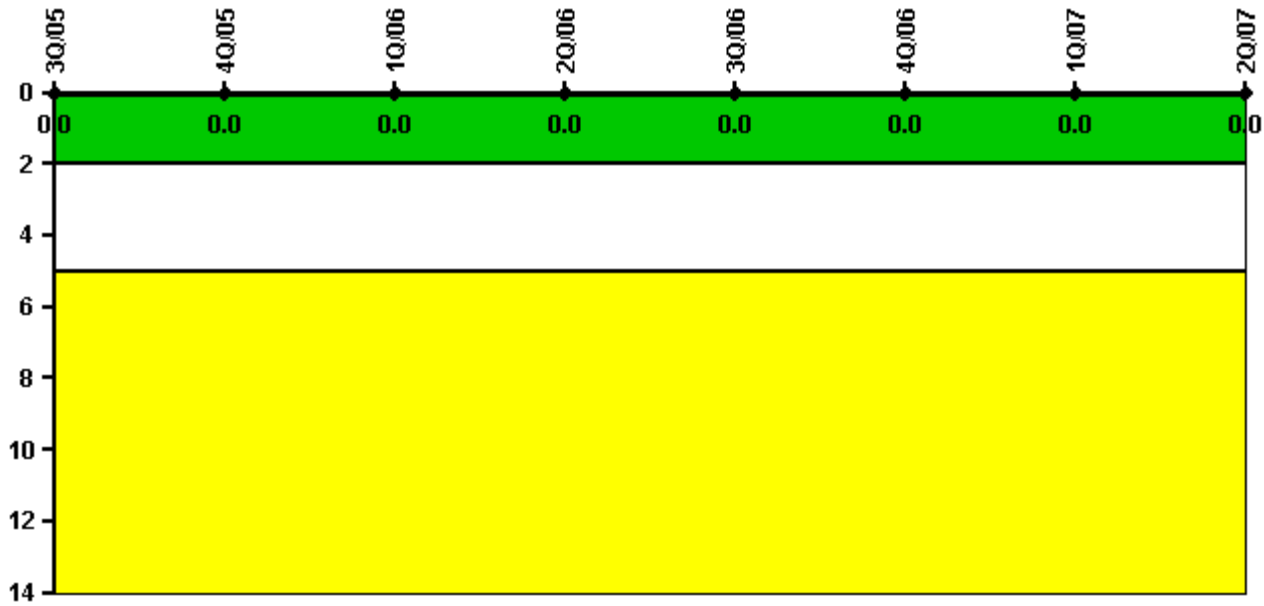
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	186	186	186	184	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>100.0%</b>

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

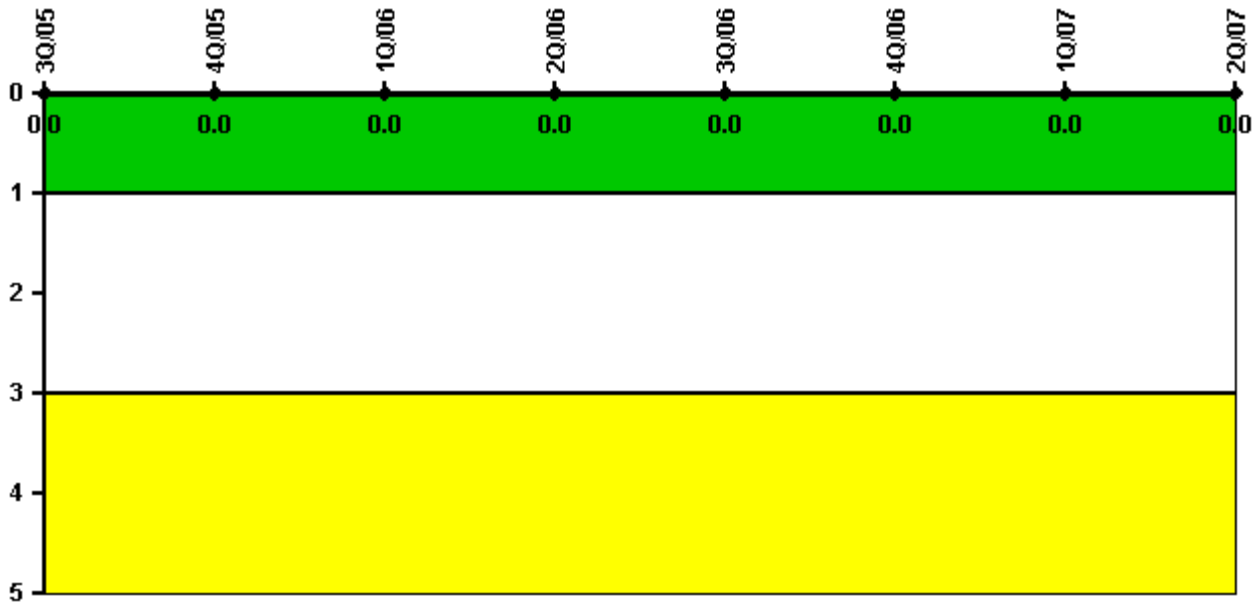
## Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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

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# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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: August 6, 2007