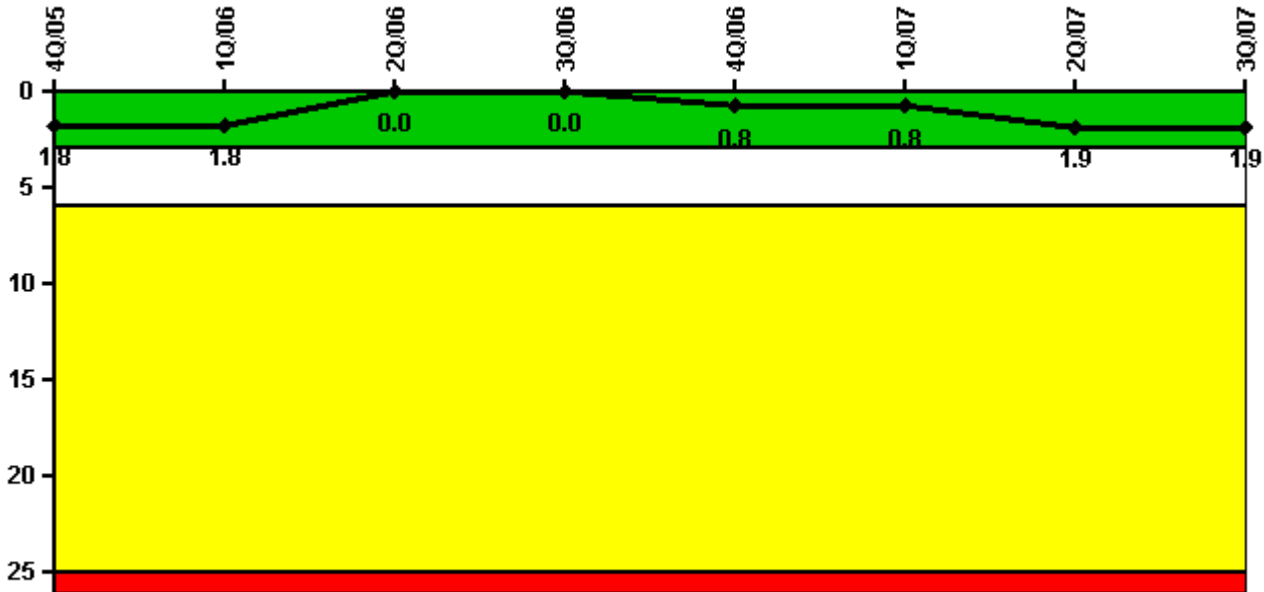


# Columbia Generating Station

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



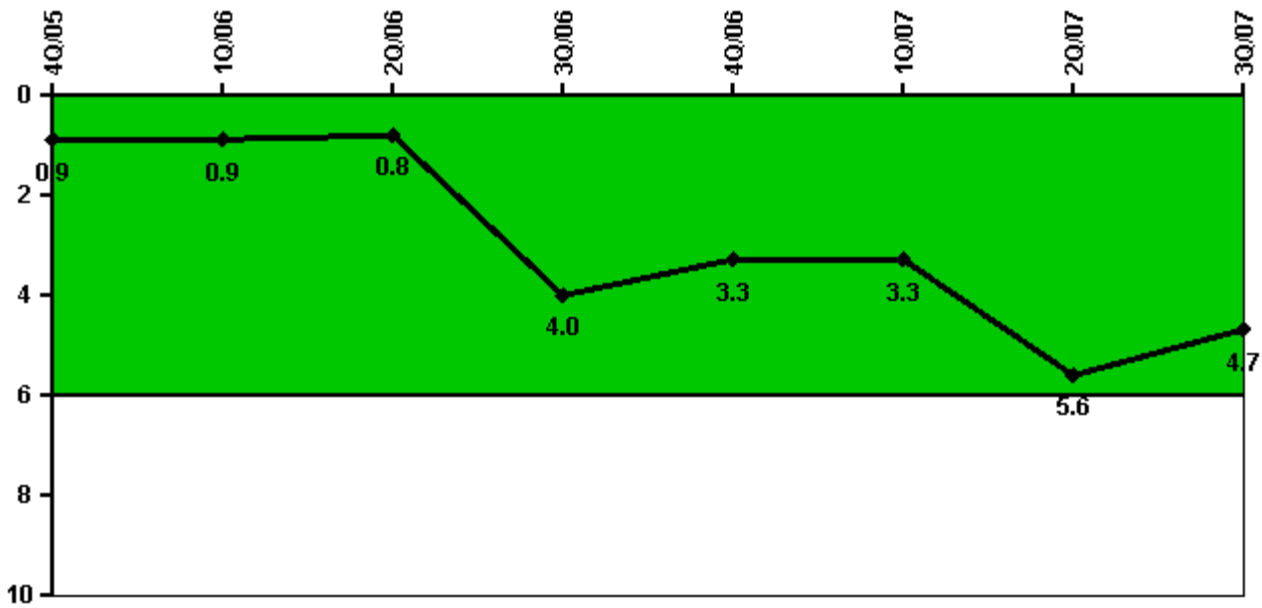
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	1.0	0	1.0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	2048.1	2159.0	1060.4	2208.0
Indicator value	1.8	1.8	0	0	0.8	0.8	1.9	1.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



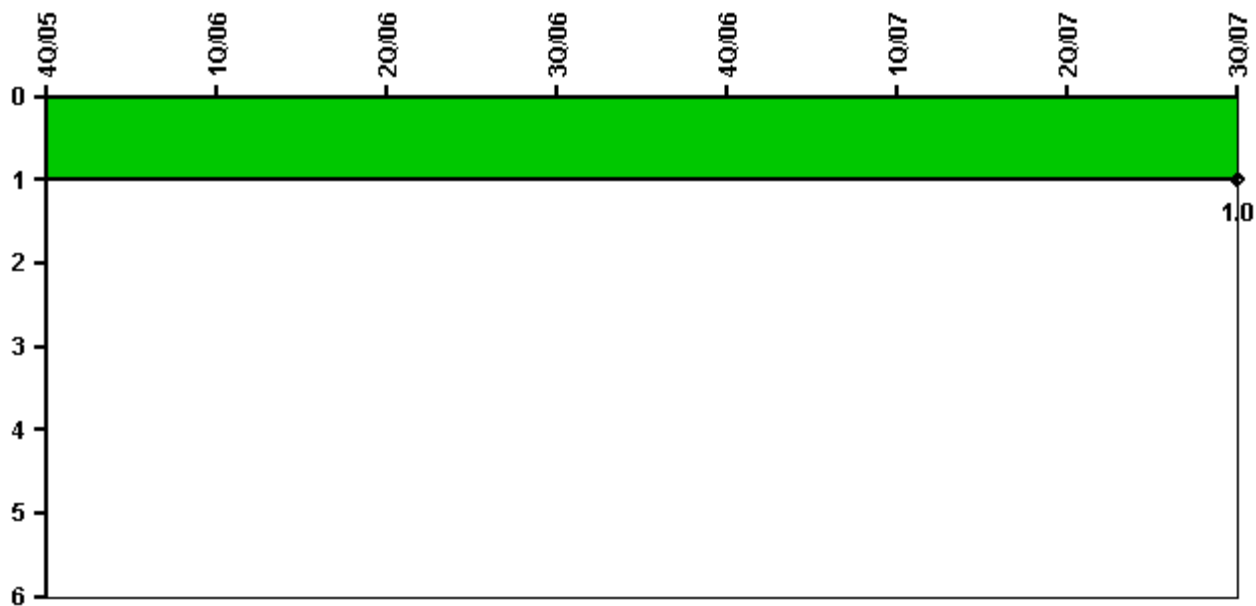
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	1.0	0	0	4.0	0	0	2.0	3.0
Critical hours	2209.0	2160.0	2183.0	2208.0	2048.1	2159.0	1060.4	2208.0
Indicator value	0.9	0.9	0.8	4.0	3.3	3.3	5.6	4.7

Licensee Comments: none

# Unplanned Scrams with Complications



Thresholds: White > 1.0

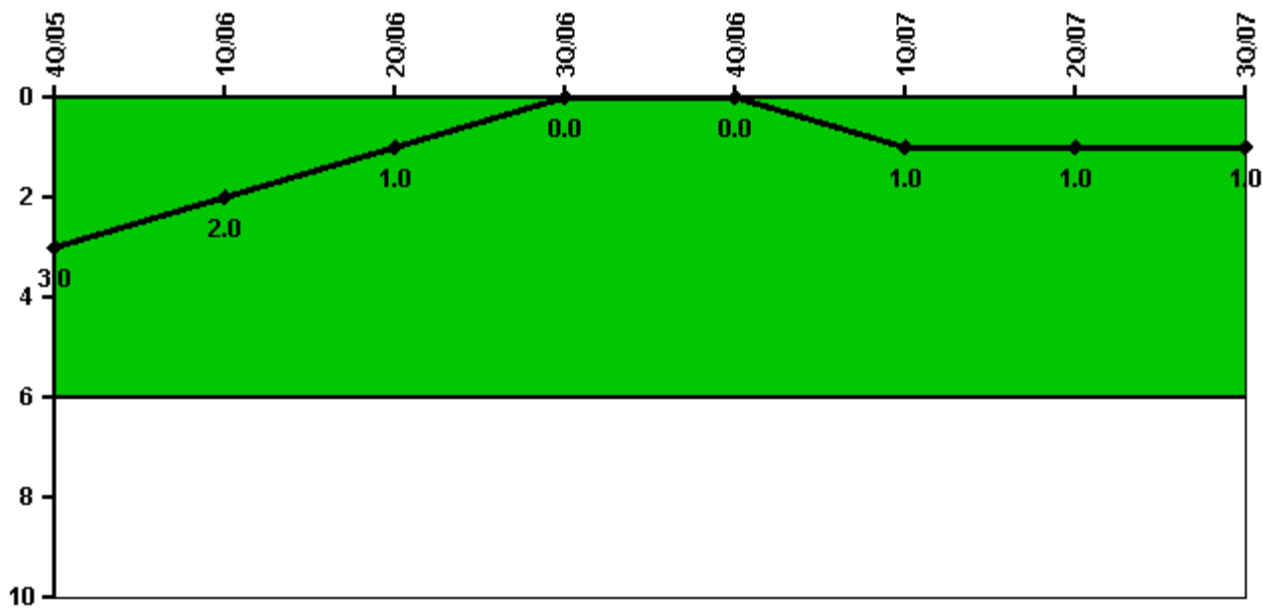
## Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	1.0	0
Indicator value								1.0

Licensee Comments:

3Q/07: Submitting USwC data for October 2006 through September 2007.

## Safety System Functional Failures (BWR)



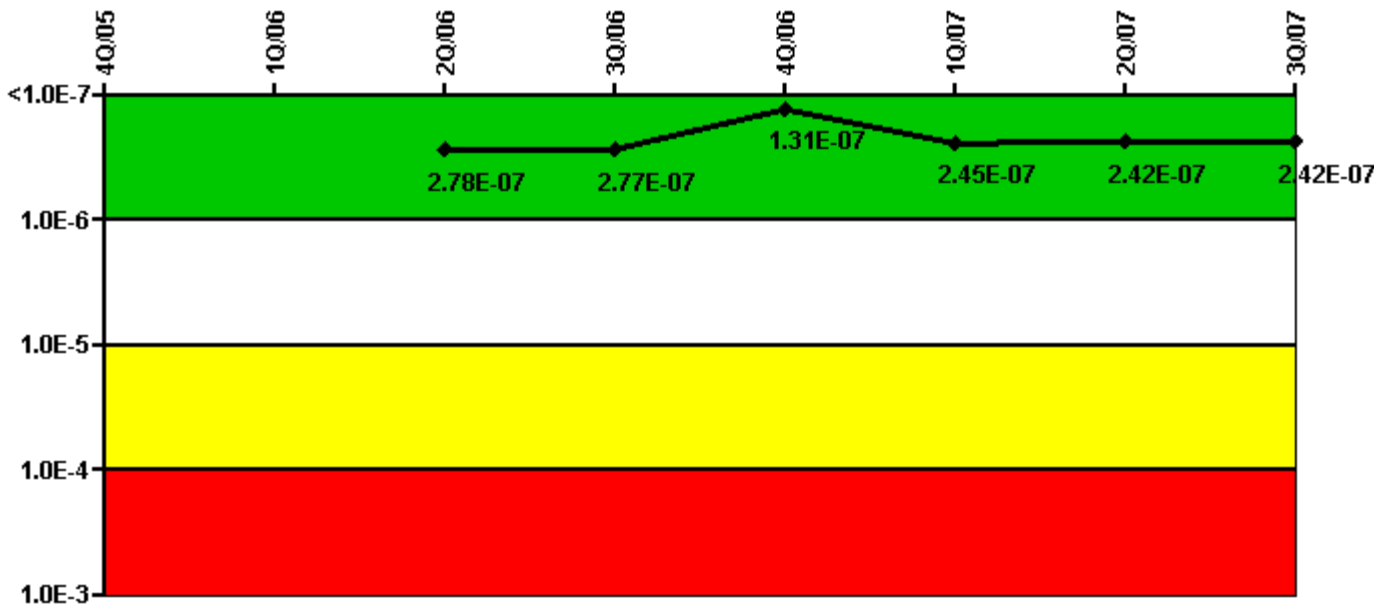
Thresholds: White > 6.0

### Notes

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

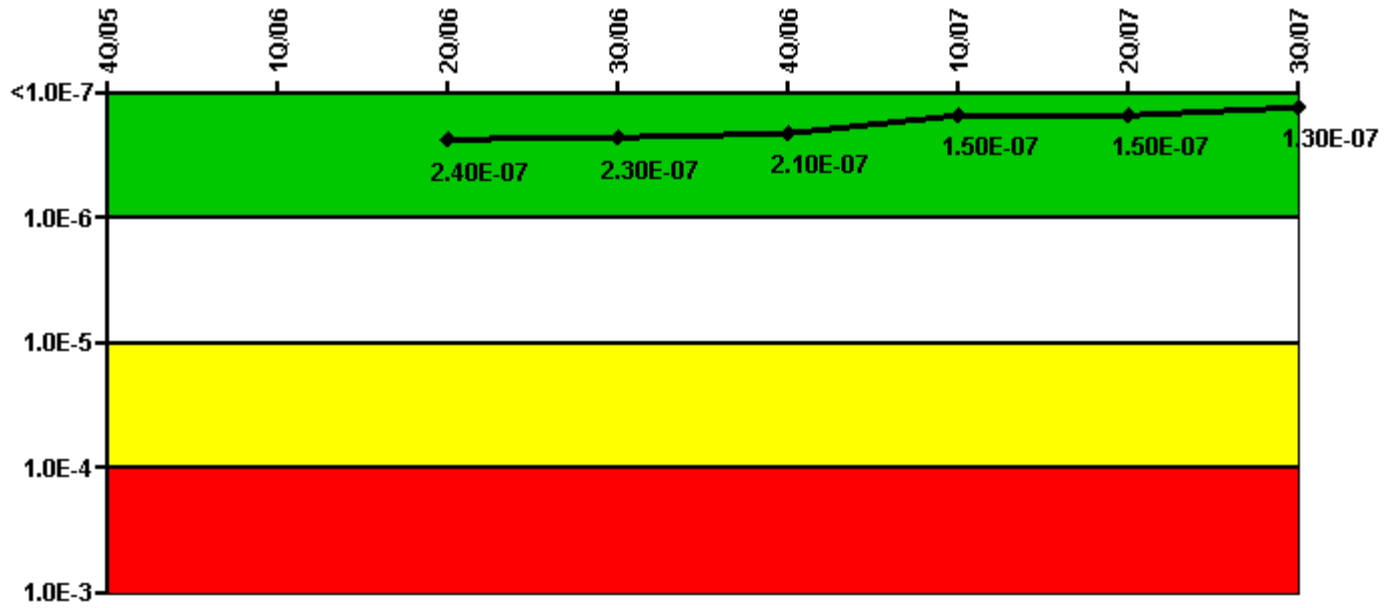
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.80E-08	1.70E-08	1.10E-08	1.50E-08	1.20E-08	1.20E-08
URI (ΔCDF)			2.60E-07	2.60E-07	1.20E-07	2.30E-07	2.30E-07	2.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.78E-07	2.77E-07	1.31E-07	2.45E-07	2.42E-07	2.42E-07

## Licensee Comments:

3Q/07: The Baseline Planned Unavailability value for the A train of DG (Emergency AC) was adjusted to account for Preventive Maintenance done on a two year frequency. This work was previously done during Refueling outages but is now being done online. This Planned Unavailability was not included in the original baseline but is now included.

# Mitigating Systems Performance Index, High Pressure Injection System



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

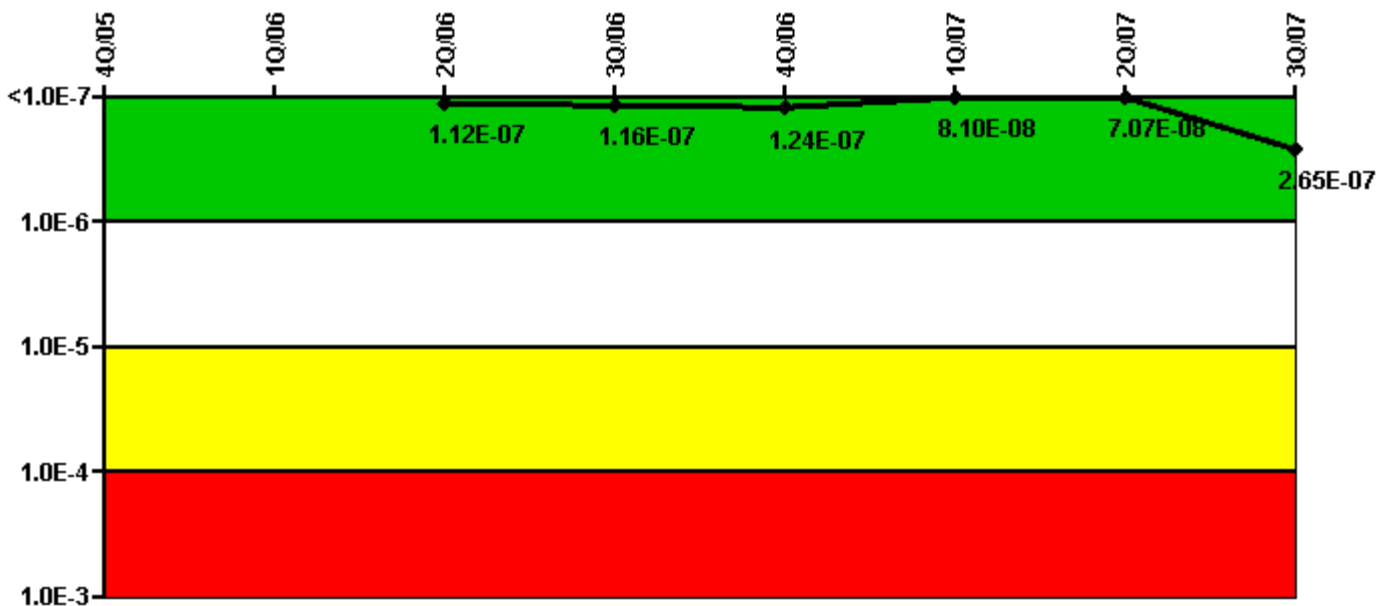
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			5.40E-07	5.30E-07	5.10E-07	4.50E-07	4.60E-07	4.40E-07
URI ( $\Delta$ CDF)			-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.10E-07	-3.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.40E-07	2.30E-07	2.10E-07	1.50E-07	1.50E-07	1.30E-07

Licensee Comments:

3Q/07: Following a review of the demand/runtime estimates the values for HPCS were corrected. This change affects the MSPI and URI from implementation date; however, no change in Indicator color resulted. This issue was documented via Condition Report CR 2-07-07629 in the Columbia corrective action program.

# Mitigating Systems Performance Index, Heat Removal System



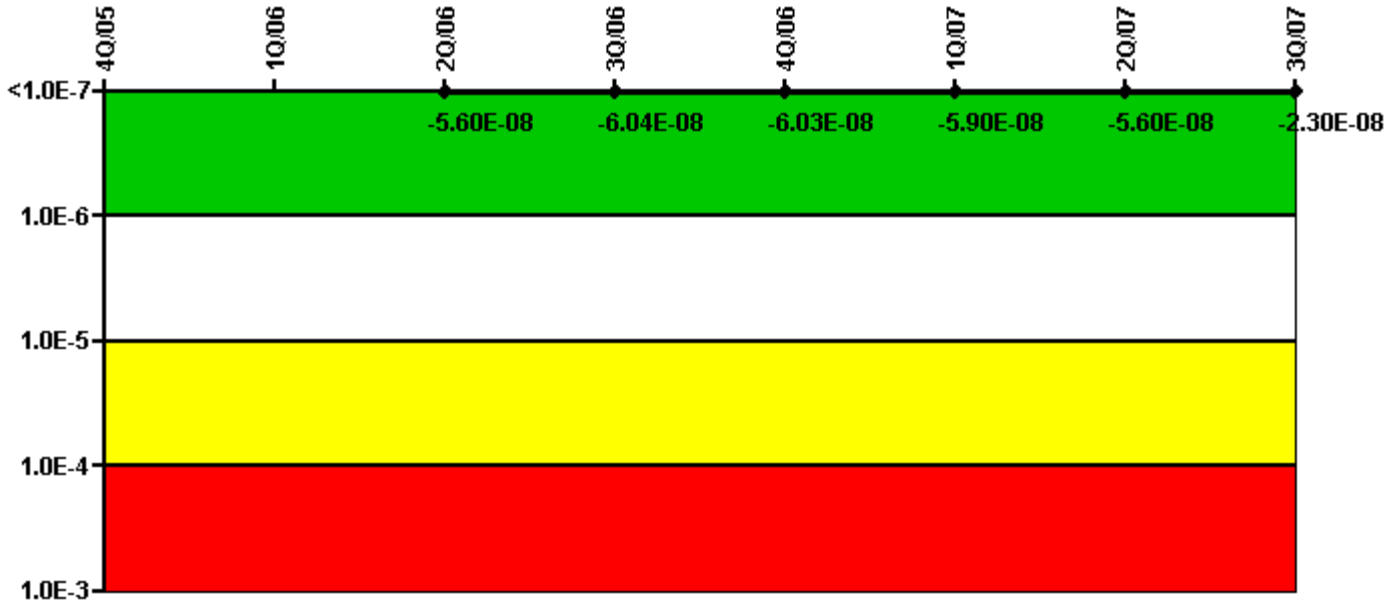
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			-2.80E-08	-2.40E-08	-1.60E-08	-1.40E-08	-8.30E-09	-5.10E-09
URI ( $\Delta$ CDF)			1.40E-07	1.40E-07	1.40E-07	9.50E-08	7.90E-08	2.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.12E-07	1.16E-07	1.24E-07	8.10E-08	7.07E-08	2.65E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

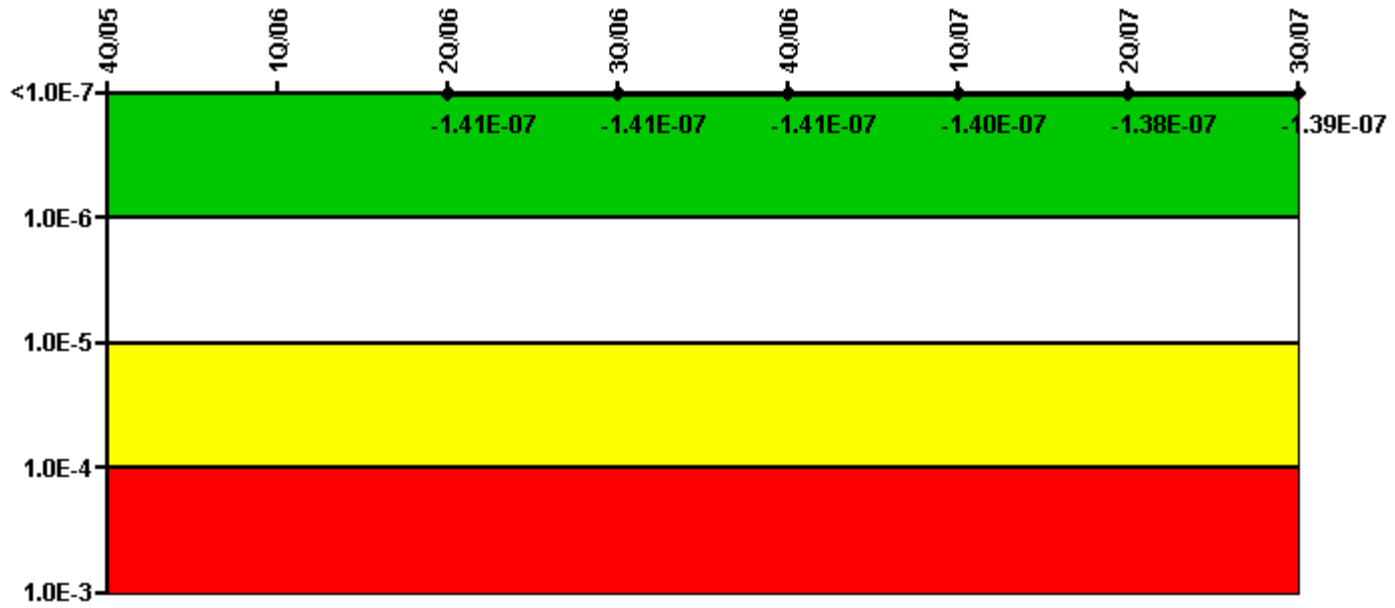
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			1.40E-08	9.60E-09	9.70E-09	1.10E-08	1.40E-08	1.30E-08
URI ( $\Delta$ CDF)			-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-3.60E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-5.60E-08	-6.04E-08	-6.03E-08	-5.90E-08	-5.60E-08	-2.30E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



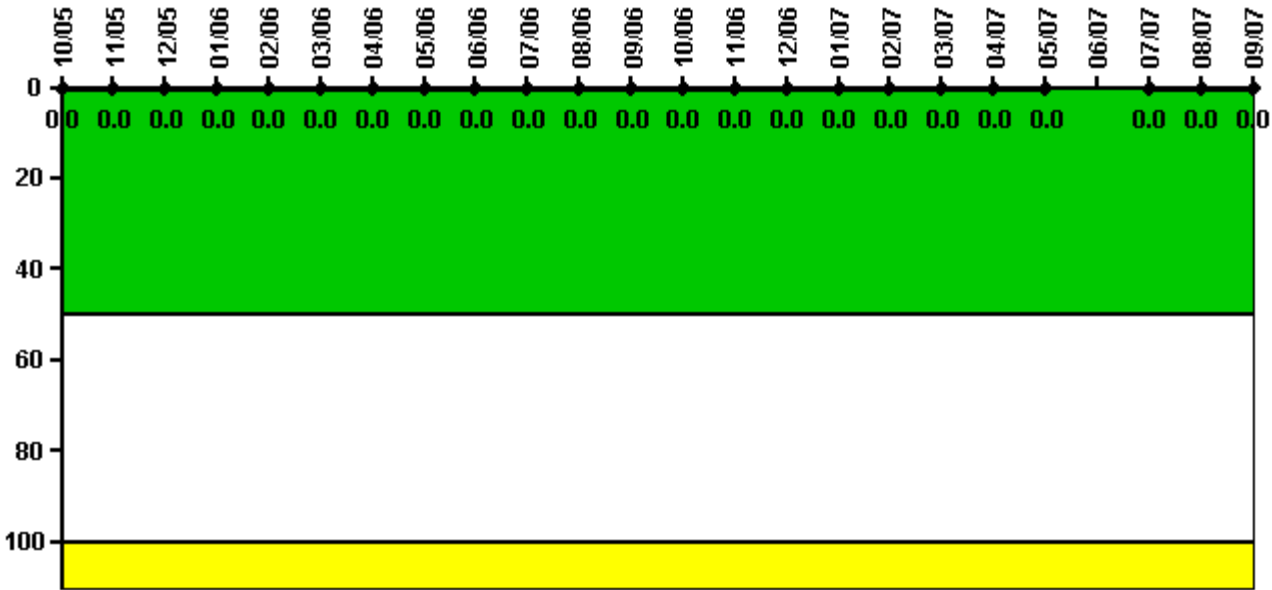
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			1.90E-08	1.90E-08	1.90E-08	2.00E-08	2.20E-08	2.10E-08
URI ( $\Delta$ CDF)			-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-1.41E-07	-1.41E-07	-1.41E-07	-1.40E-07	-1.38E-07	-1.39E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

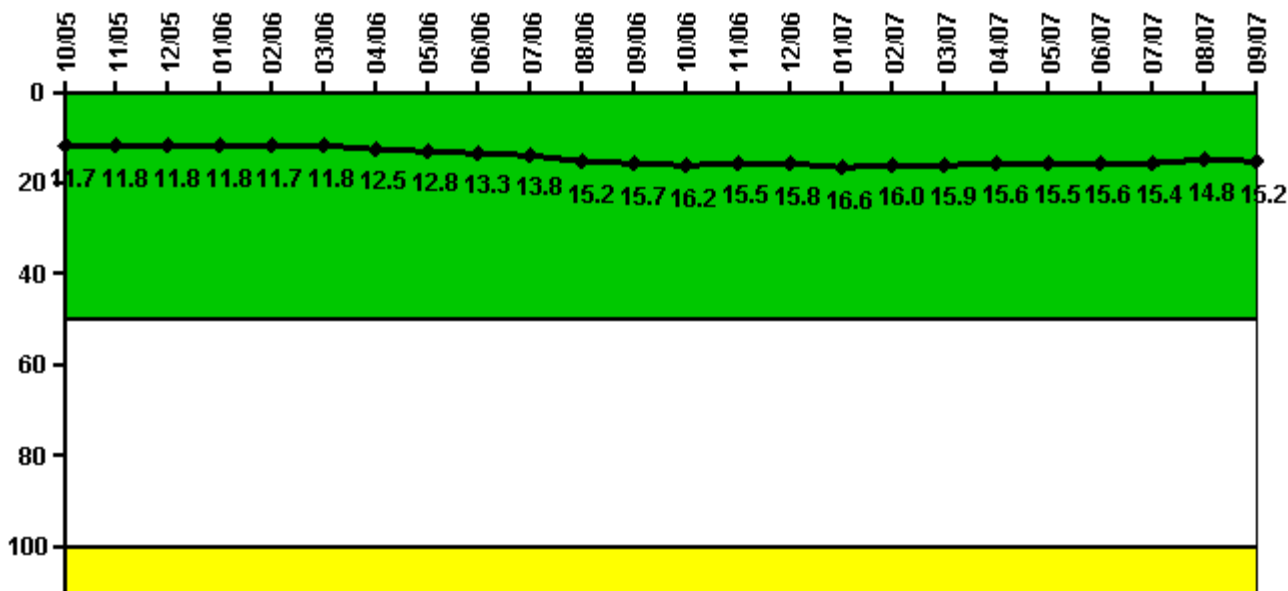
Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000002	0.000002	0.000002	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000005	0.000004	0.000003	0.000004	0.000005	0.000004	0.000005	0.000005	N/A	0.000007	0.000008	0.000007
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	N/A	0	0	0

Licensee Comments: none

# Reactor Coolant System Leakage



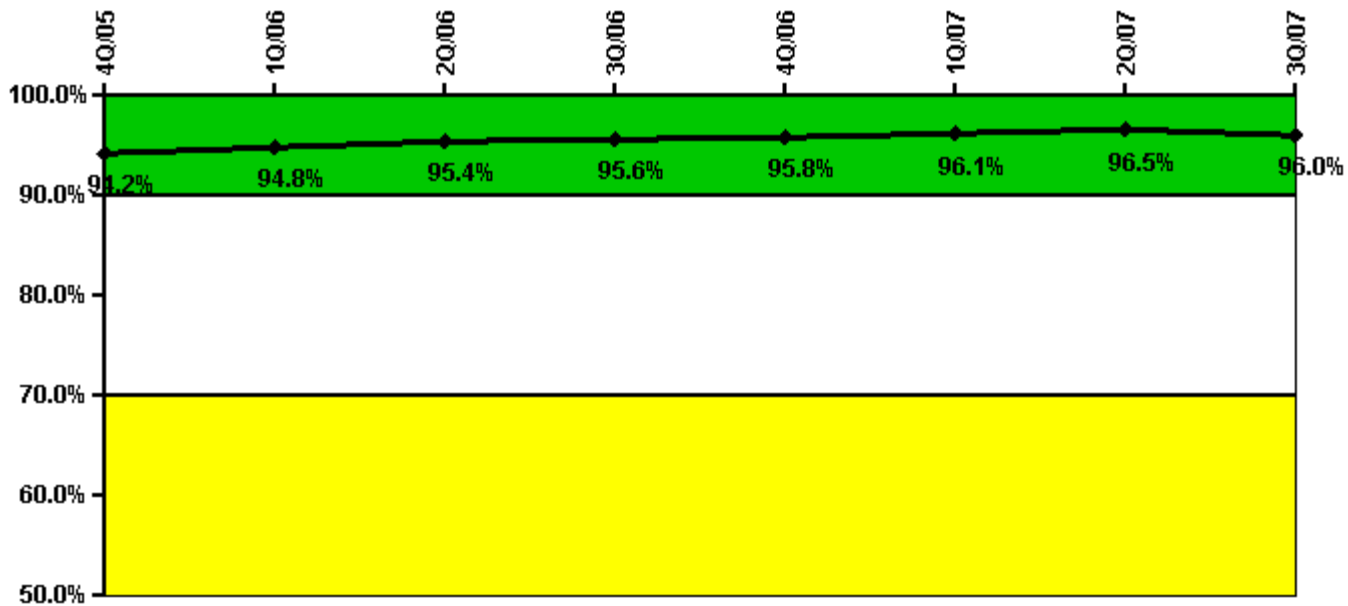
Thresholds: White > 50.0 Yellow > 100.0

## Notes

<b>Reactor Coolant System Leakage</b>	<b>10/05</b>	<b>11/05</b>	<b>12/05</b>	<b>1/06</b>	<b>2/06</b>	<b>3/06</b>	<b>4/06</b>	<b>5/06</b>	<b>6/06</b>	<b>7/06</b>	<b>8/06</b>	<b>9/06</b>
Maximum leakage	2.920	2.950	2.950	2.940	2.930	2.960	3.120	3.210	3.330	3.450	3.810	3.930
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	11.7	11.8	11.8	11.8	11.7	11.8	12.5	12.8	13.3	13.8	15.2	15.7
<b>Reactor Coolant System Leakage</b>	<b>10/06</b>	<b>11/06</b>	<b>12/06</b>	<b>1/07</b>	<b>2/07</b>	<b>3/07</b>	<b>4/07</b>	<b>5/07</b>	<b>6/07</b>	<b>7/07</b>	<b>8/07</b>	<b>9/07</b>
Maximum leakage	4.060	3.870	3.960	4.140	4.010	3.970	3.910	3.880	3.890	3.860	3.700	3.810
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	16.2	15.5	15.8	16.6	16.0	15.9	15.6	15.5	15.6	15.4	14.8	15.2

Licensee Comments: none

## Drill/Exercise Performance



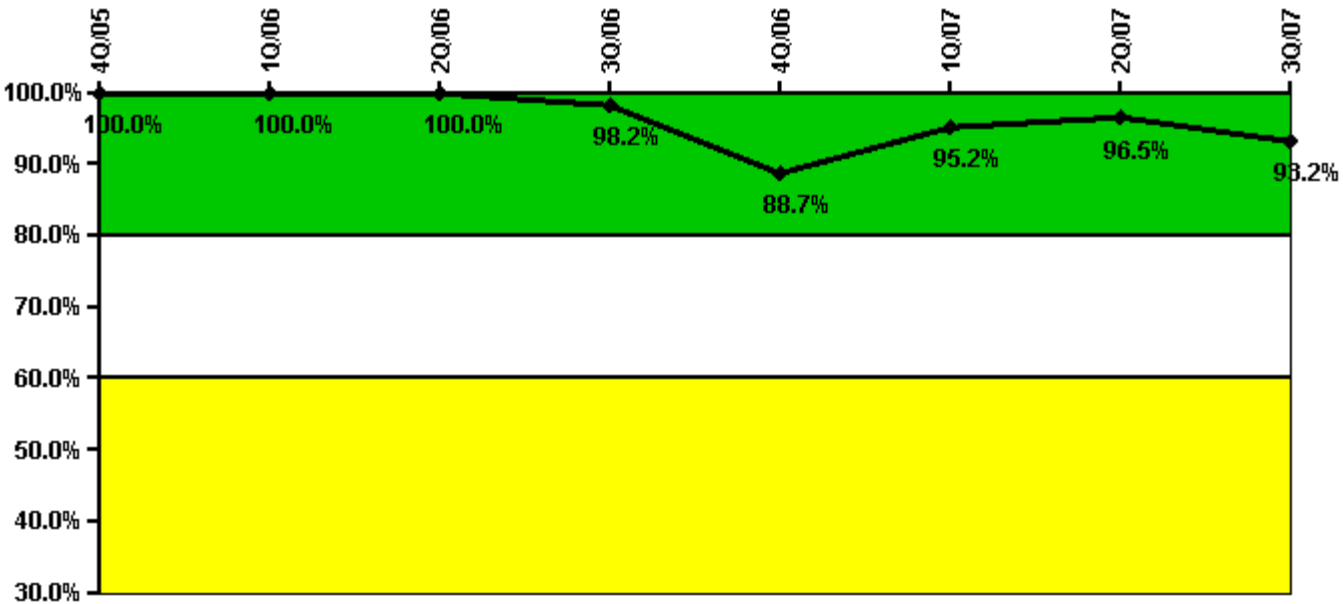
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	62.0	38.0	41.0	39.0	51.0	37.0	8.0	11.0
Total opportunities	69.0	38.0	43.0	41.0	51.0	37.0	8.0	12.0
Indicator value	94.2%	94.8%	95.4%	95.6%	95.8%	96.1%	96.5%	96.0%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

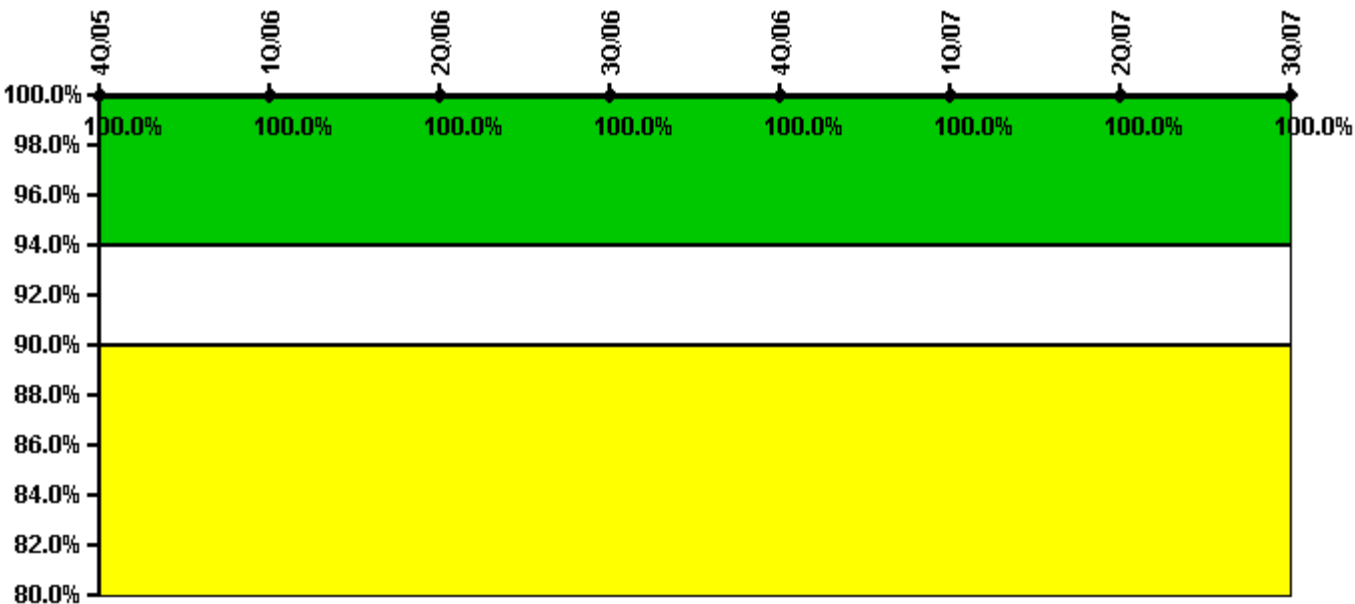
### Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	59.0	62.0	59.0	56.0	55.0	60.0	55.0	55.0
Total Key personnel	59.0	62.0	59.0	57.0	62.0	63.0	57.0	59.0
Indicator value	100.0%	100.0%	100.0%	98.2%	88.7%	95.2%	96.5%	93.2%

Licensee Comments:

3Q/07: The number of Participating Key Personnel for March 2007, was incorrectly reported because an individual in a training status was included in the number. This individual was included in the number from March 2007 through June 2007. This has been corrected and no change in Indicator color resulted. This issue was documented via Condition Report 2-07-07588 in the Columbia corrective action program.

# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	308	286	143	143	165	143	143	143
Total sirens-tests	308	286	143	143	165	143	143	143
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

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

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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.