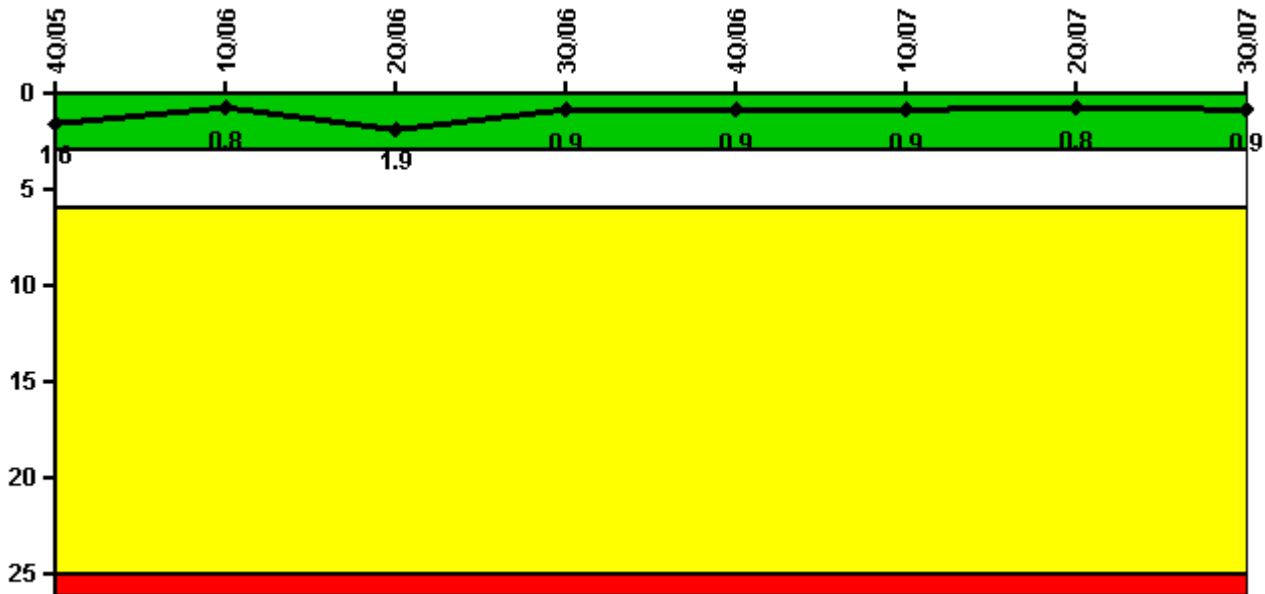


# Palisades

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



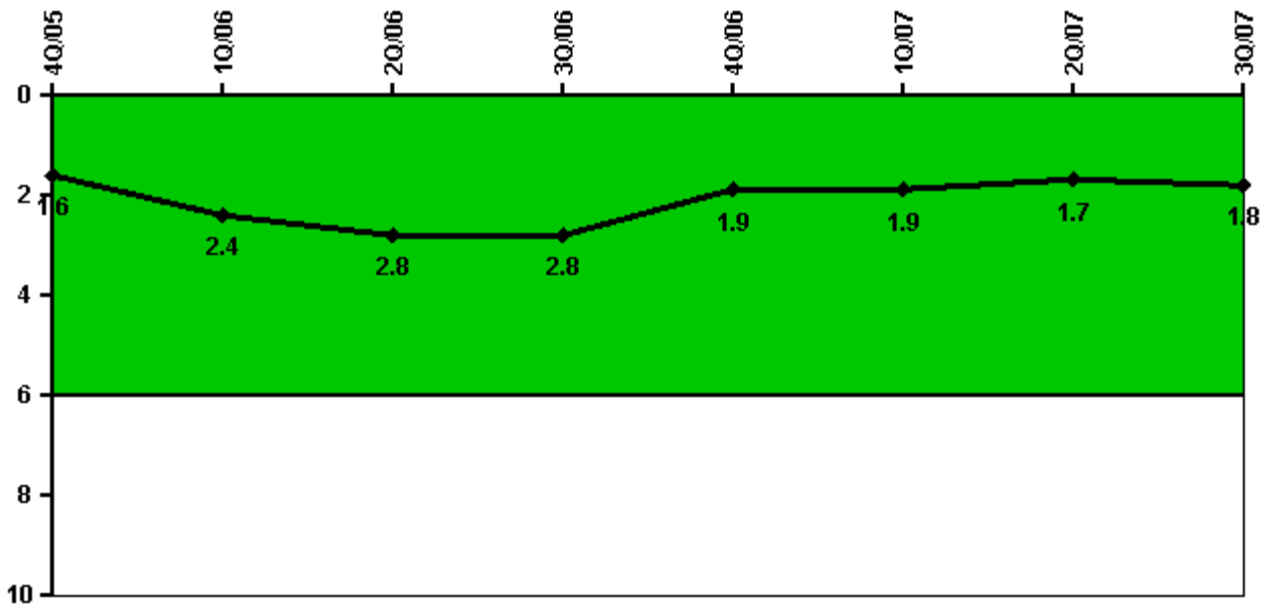
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	1.0	0
Critical hours	2185.2	2035.3	1155.0	2208.0	2163.5	1987.0	2049.2	1691.0
Indicator value	1.6	0.8	1.9	0.9	0.9	0.9	0.8	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



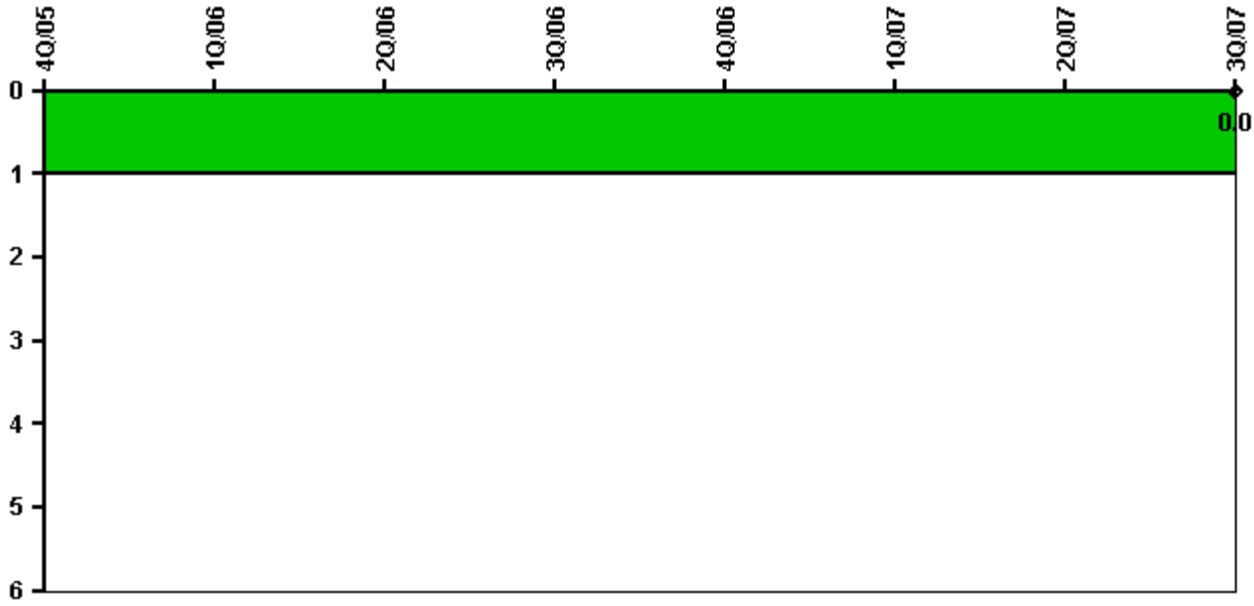
Thresholds: White > 6.0

### 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	2.0	1.0	0	0	1.0	1.0	0	0
Critical hours	2185.2	2035.3	1155.0	2208.0	2163.5	1987.0	2049.2	1691.0
Indicator value	1.6	2.4	2.8	2.8	1.9	1.9	1.7	1.8

Licensee Comments: none

# Unplanned Scrams with Complications



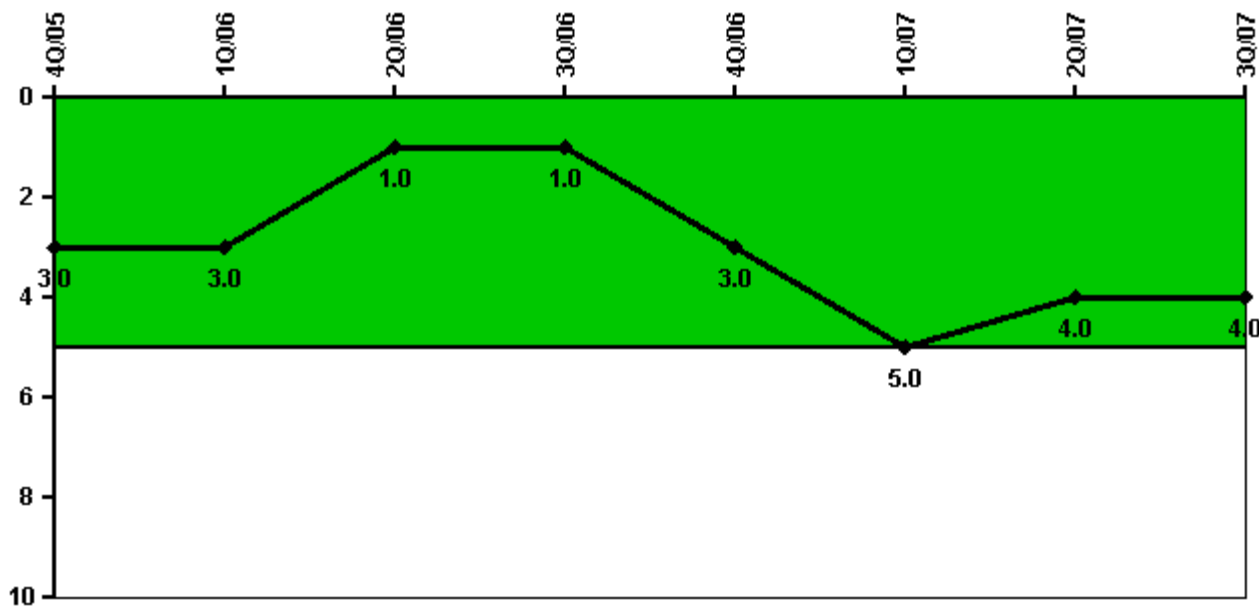
Thresholds: White > 1.0

## 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	0	0
Indicator value								0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

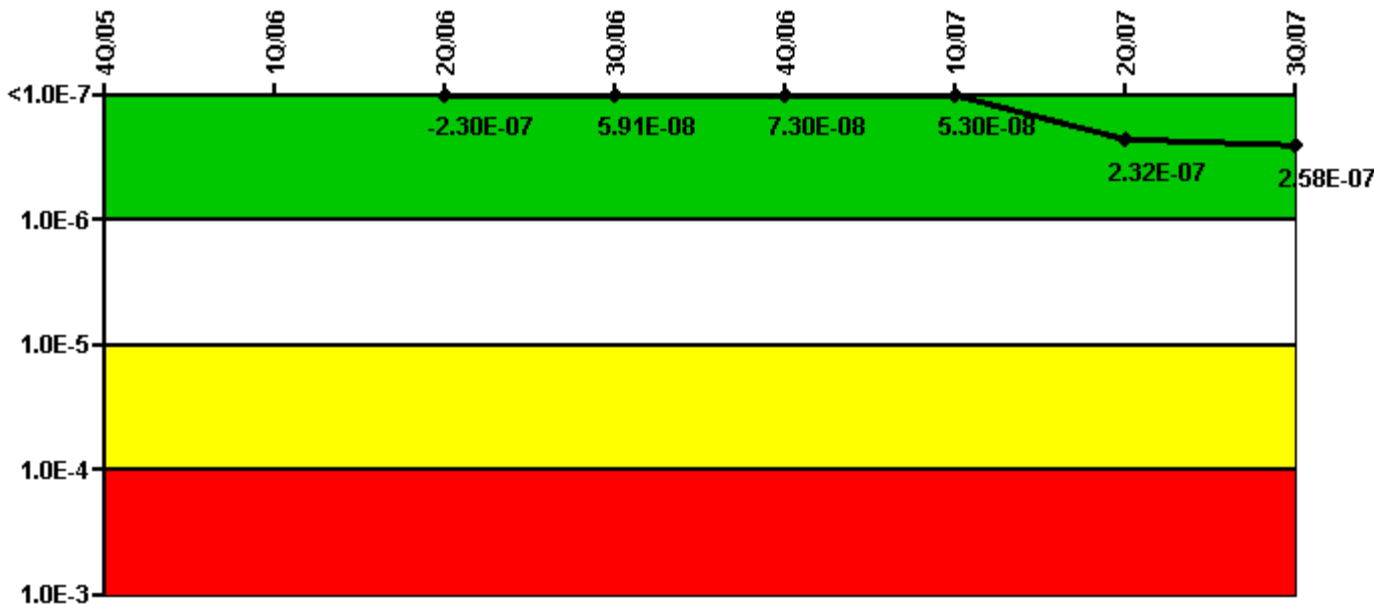
### Notes

Safety System Functional Failures (PWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	0	1	0	2	2	0	0
Indicator value	3	3	1	1	3	5	4	4

Licensee Comments:

2Q/07: Licensee Event Report 07-003, Potential For Reduced Compont Cooling Water Cooling Capability was originally reported in April 2007 data however by September 14, 2007 letter to the NRC the LER was cancelled. Therefore, the April data has been changed to zero.

# Mitigating Systems Performance Index, Emergency AC Power System



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

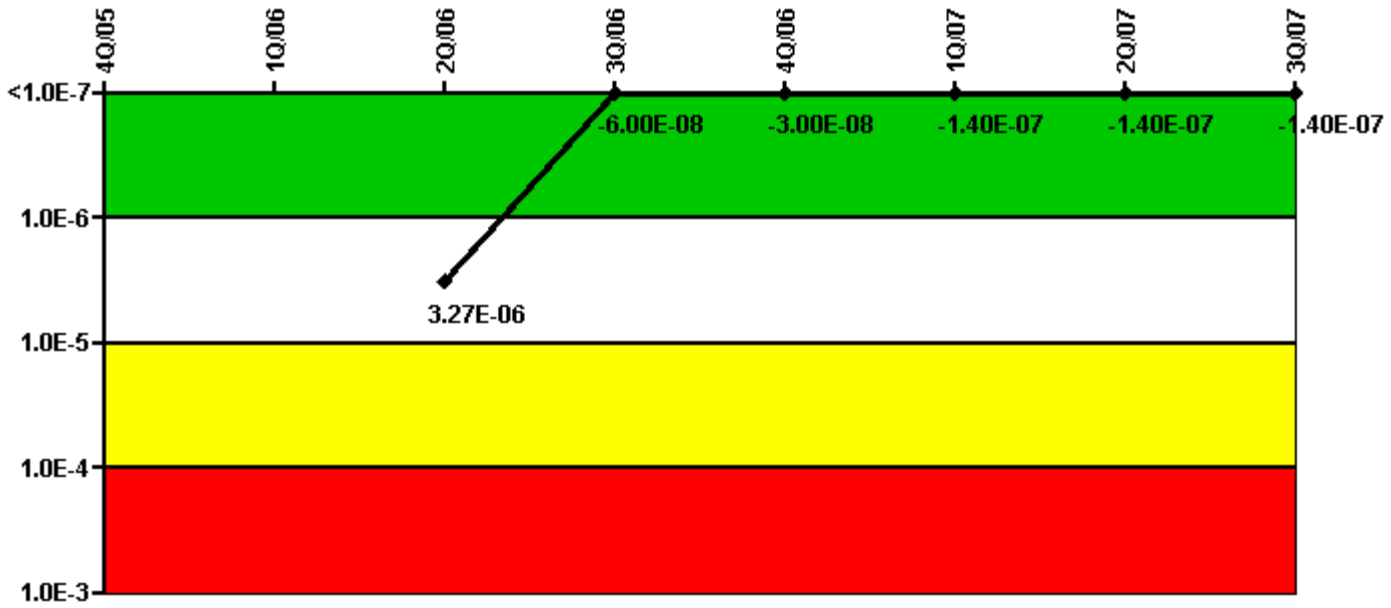
## Notes

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)			2.20E-07	4.10E-09	1.80E-08	6.50E-08	8.20E-08	3.80E-08
URI (ΔCDF)			-4.50E-07	5.50E-08	5.50E-08	-1.20E-08	1.50E-07	2.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-2.30E-07	5.91E-08	7.30E-08	5.30E-08	2.32E-07	2.58E-07

Licensee Comments:

3Q/07: One MSPI failure (EDG Failure to Run) occurred in September 2007 due to a fuel oil leak on Cylinder 1R of EDG 1-1 (Ref. CR-PLP-2007-04078). Additional evaluation of this event is in progress.

# Mitigating Systems Performance Index, High Pressure Injection System



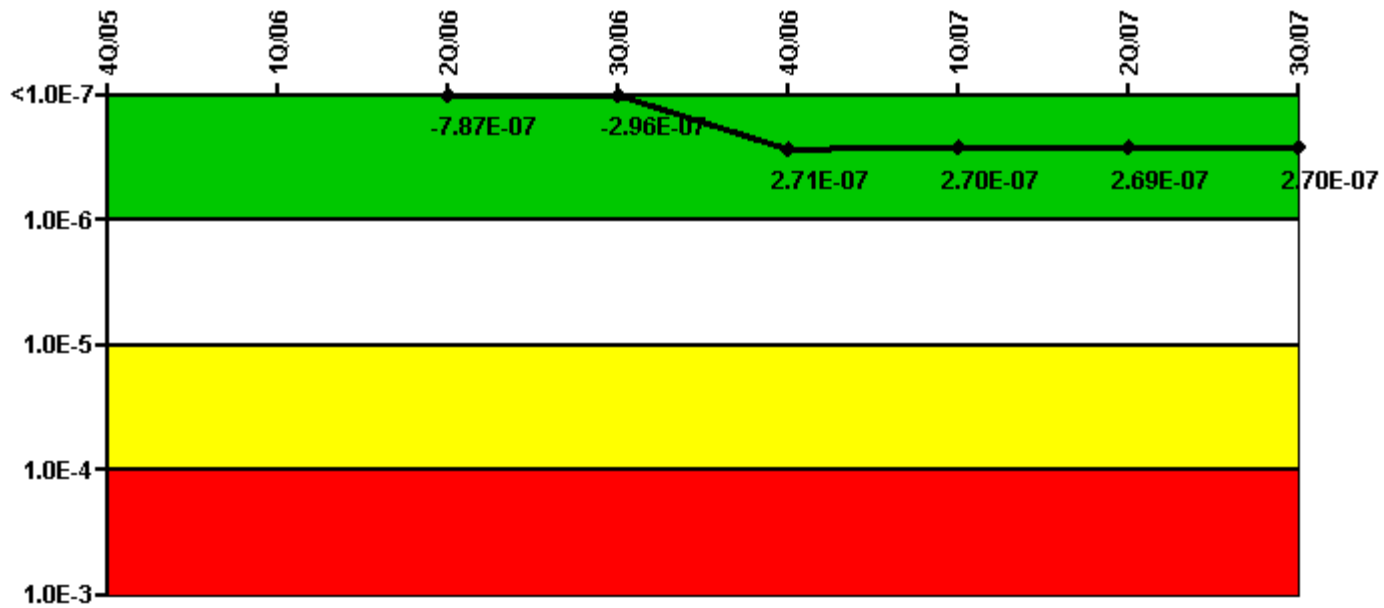
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## 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)			$4.70E-07$	$2.10E-07$	$2.40E-07$	$1.30E-07$	$1.30E-07$	$1.30E-07$
URI ( $\Delta$ CDF)			$2.80E-06$	$-2.70E-07$	$-2.70E-07$	$-2.70E-07$	$-2.70E-07$	$-2.70E-07$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$3.27E-06$	$-6.00E-08$	$-3.00E-08$	$-1.40E-07$	$-1.40E-07$	$-1.40E-07$

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



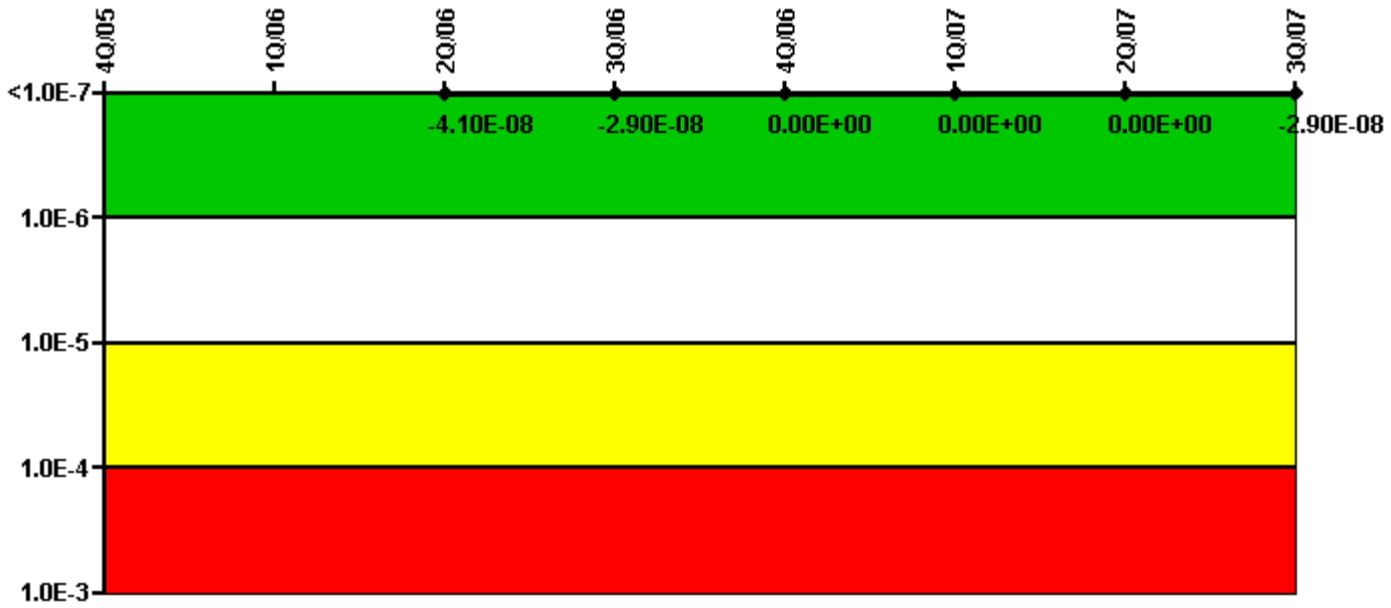
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-4.70E-08	-1.60E-08	-9.10E-09	-1.00E-08	-1.10E-08	-9.80E-09
URI (ΔCDF)			-7.40E-07	-2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-7.87E-07	-2.96E-07	2.71E-07	2.70E-07	2.69E-07	2.70E-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

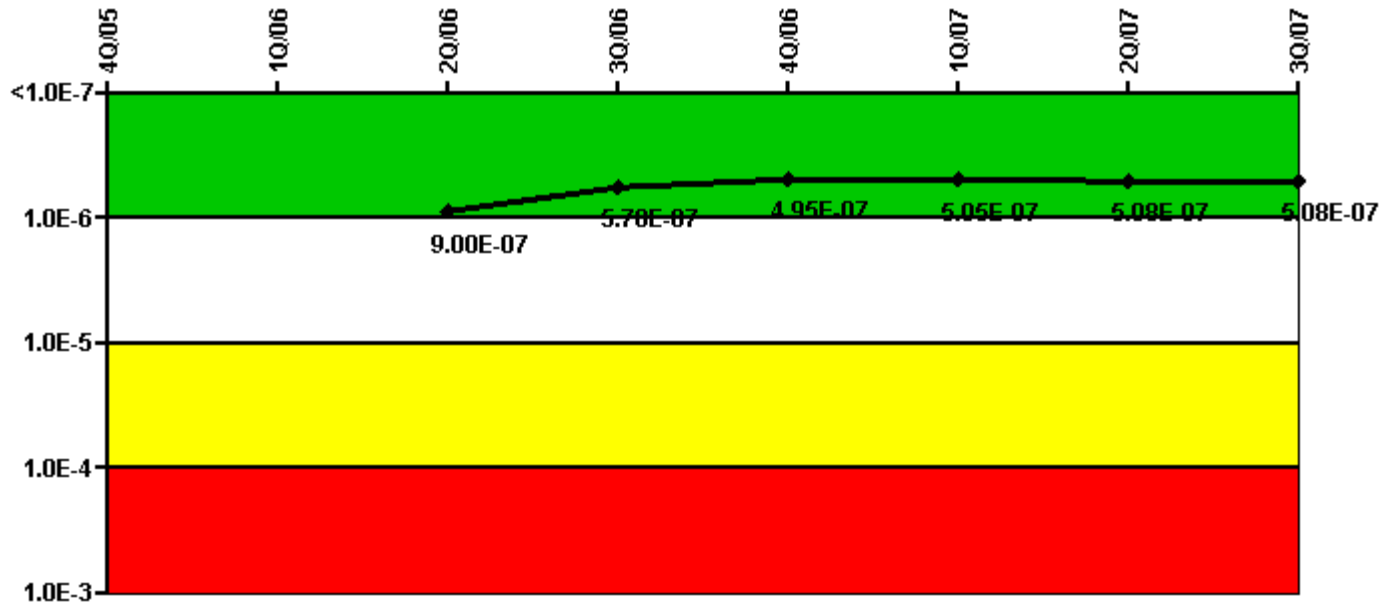
## Notes

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)			1.20E-08	1.10E-08	4.00E-08	4.00E-08	4.00E-08	1.10E-08
URI ( $\Delta$ CDF)			-5.30E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-4.10E-08	-2.90E-08	0.00E+00	0.00E+00	0.00E+00	-2.90E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



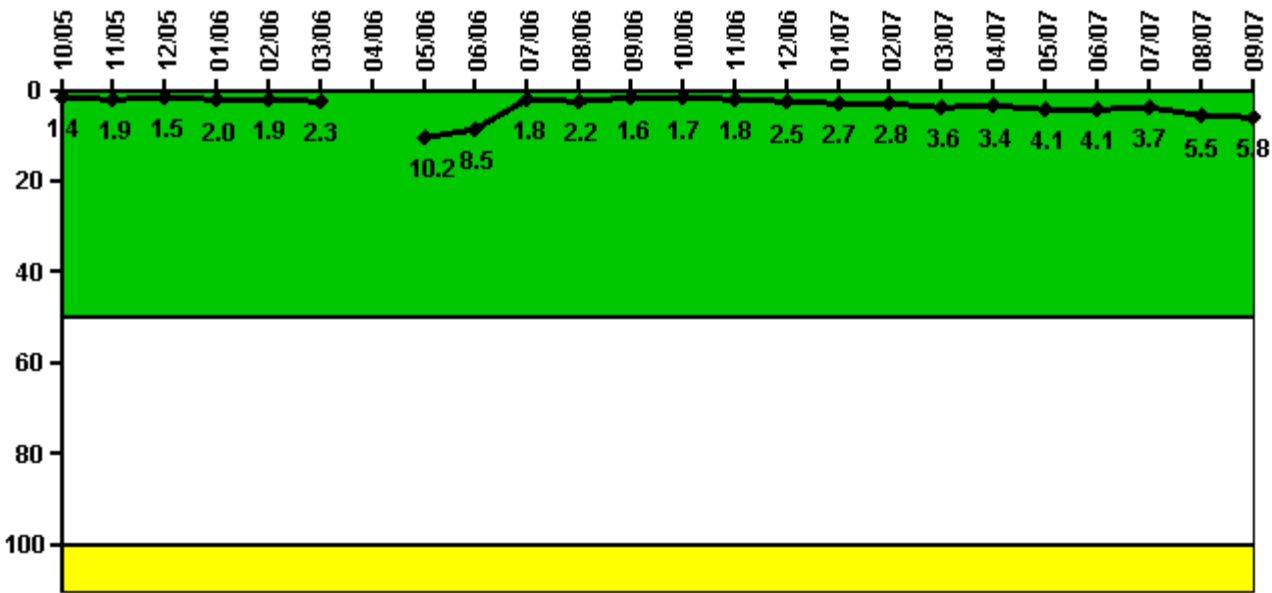
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			$5.00E-08$	$1.00E-07$	$2.50E-08$	$2.50E-08$	$2.80E-08$	$2.80E-08$
URI ( $\Delta$ CDF)			$8.50E-07$	$4.70E-07$	$4.70E-07$	$4.80E-07$	$4.80E-07$	$4.80E-07$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$9.00E-07$	$5.70E-07$	$4.95E-07$	$5.05E-07$	$5.08E-07$	$5.08E-07$

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

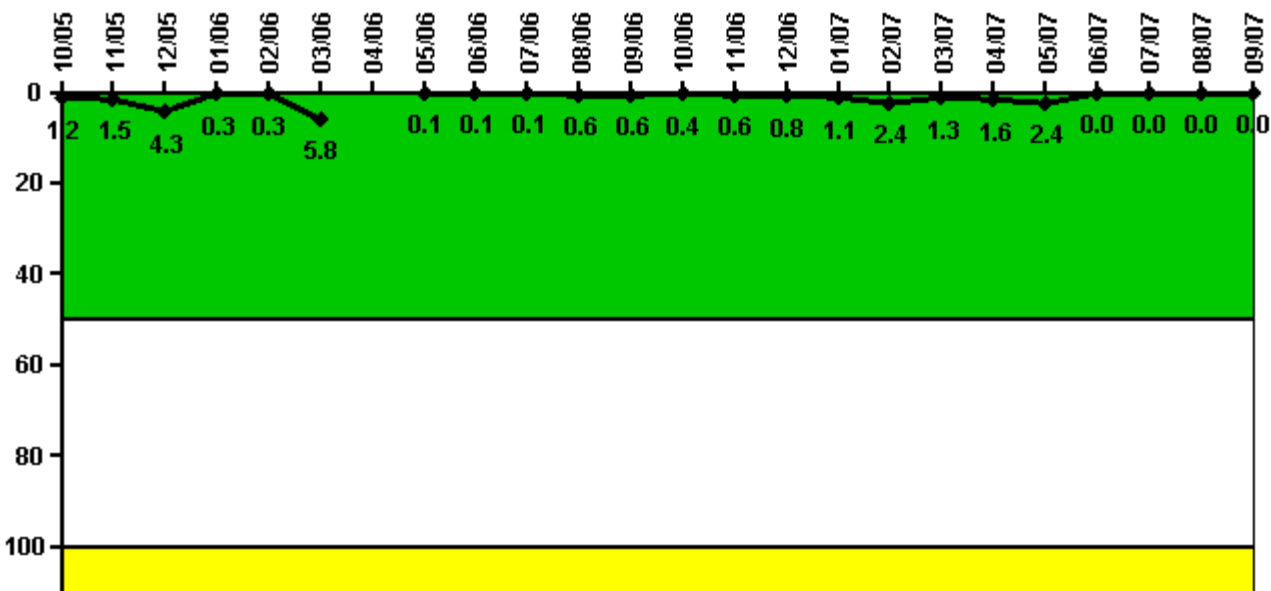
Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.013800	0.018600	0.014500	0.020000	0.019200	0.022700	N/A	0.102000	0.084600	0.018300	0.022200	0.015700
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	1.4	1.9	1.5	2.0	1.9	2.3	N/A	10.2	8.5	1.8	2.2	1.6

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	0.017400	0.017800	0.024900	0.027300	0.028200	0.036000	0.033800	0.040800	0.041000	0.037000	0.055400	0.058400
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	1.7	1.8	2.5	2.7	2.8	3.6	3.4	4.1	4.1	3.7	5.5	5.8

Licensee Comments: none

# Reactor Coolant System Leakage



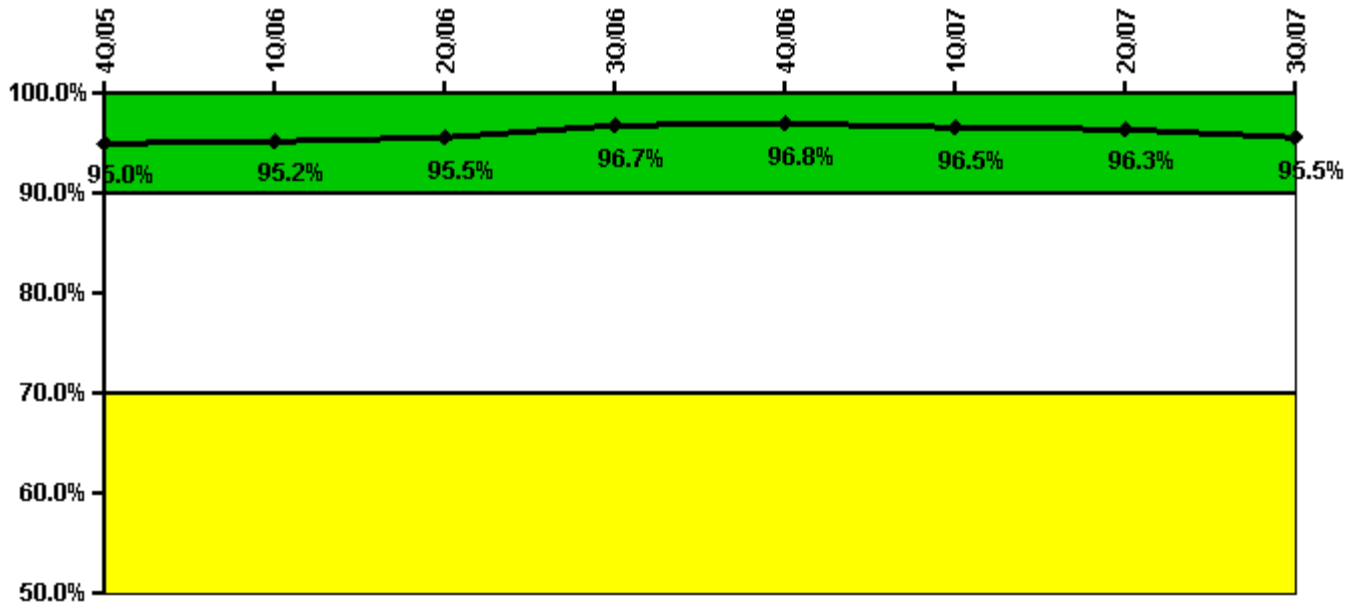
Thresholds: White > 50.0 Yellow > 100.0

## Notes

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	0.119	0.148	0.429	0.026	0.033	0.581	N/A	0.013	0.013	0.007	0.059	0.059
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	1.2	1.5	4.3	0.3	0.3	5.8	N/A	0.1	0.1	0.1	0.6	0.6
Reactor Coolant System Leakage	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 leakage	0.040	0.055	0.079	0.111	0.238	0.125	0.164	0.238	0.001	0.001	0.001	0.001
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	0.4	0.6	0.8	1.1	2.4	1.3	1.6	2.4	0	0	0	0

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

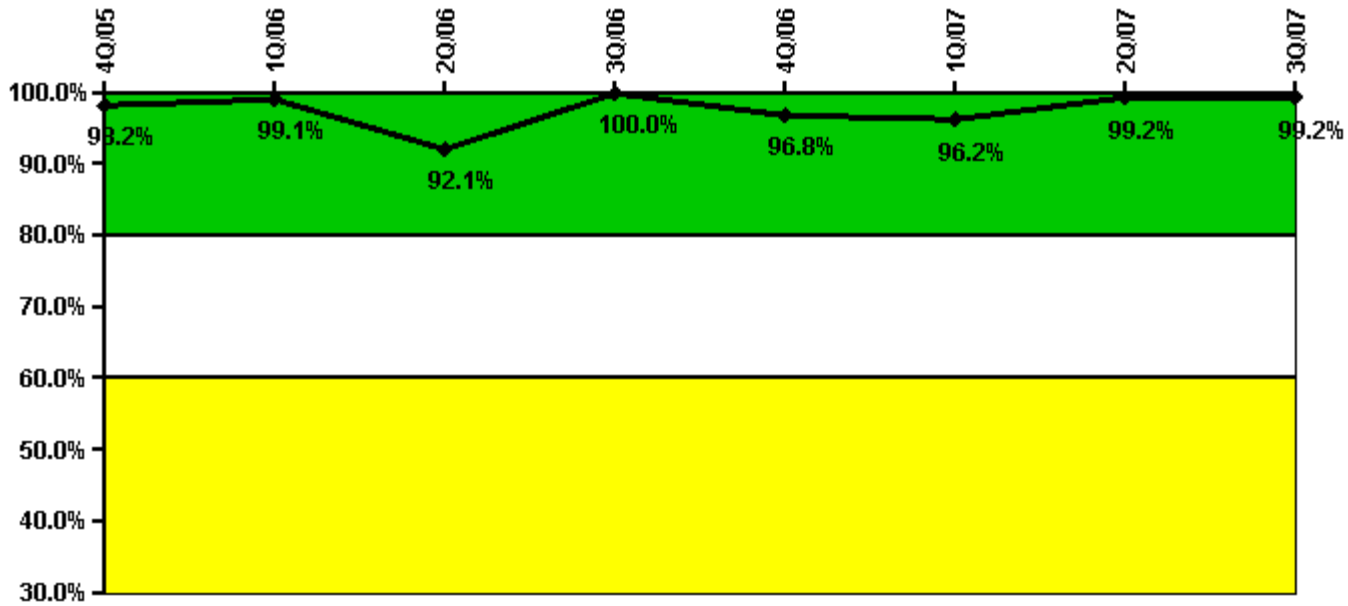
### Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	12.0	96.0	36.0	40.0	25.0	18.0	28.0	22.0
Total opportunities	12.0	101.0	36.0	40.0	26.0	23.0	30.0	22.0
Indicator value	95.0%	95.2%	95.5%	96.7%	96.8%	96.5%	96.3%	95.5%

### Licensee Comments:

1Q/07: The March 2007 number of drill, exercise and actual event opportunities performed timely and accurately during the reporting month been changed to 13 successes. The change resulted from an evaluation of results from a drill conducted on March 14, 2007. The evaluation determined that there was an inaccurate classification due to the Initiating Condition not met.

# ERO Drill Participation



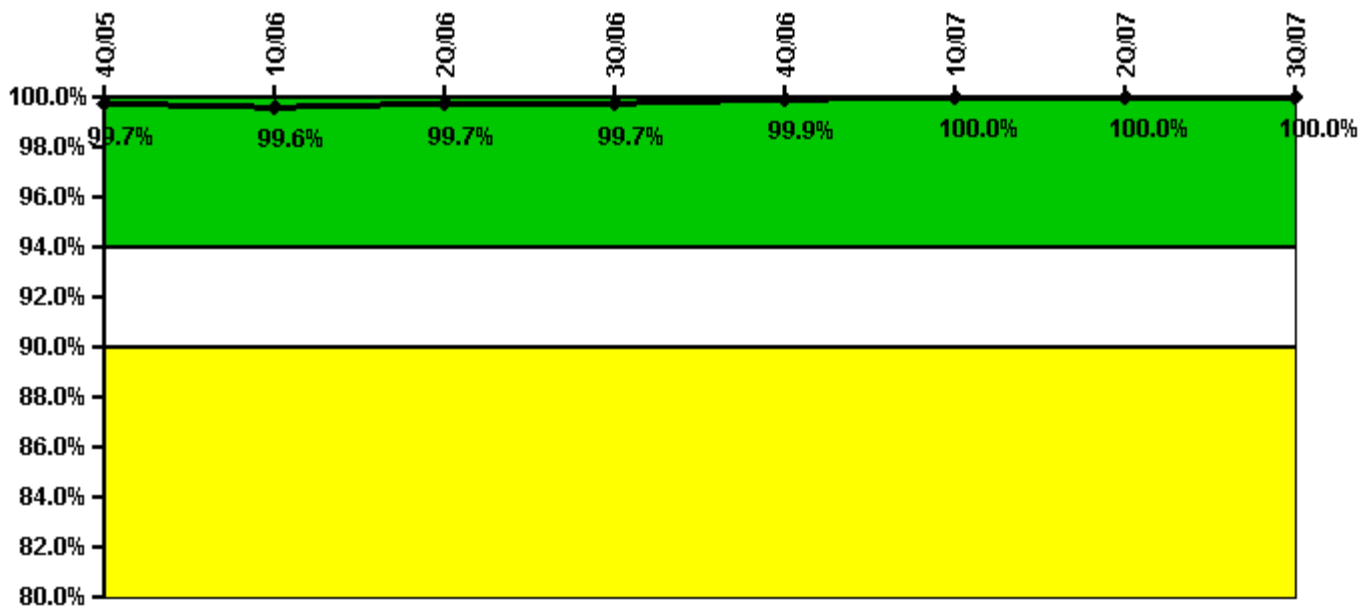
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	107.0	114.0	105.0	114.0	121.0	126.0	125.0	123.0
Total Key personnel	109.0	115.0	114.0	114.0	125.0	131.0	126.0	124.0
Indicator value	98.2%	99.1%	92.1%	100.0%	96.8%	96.2%	99.2%	99.2%

Licensee Comments: none

# Alert & Notification System



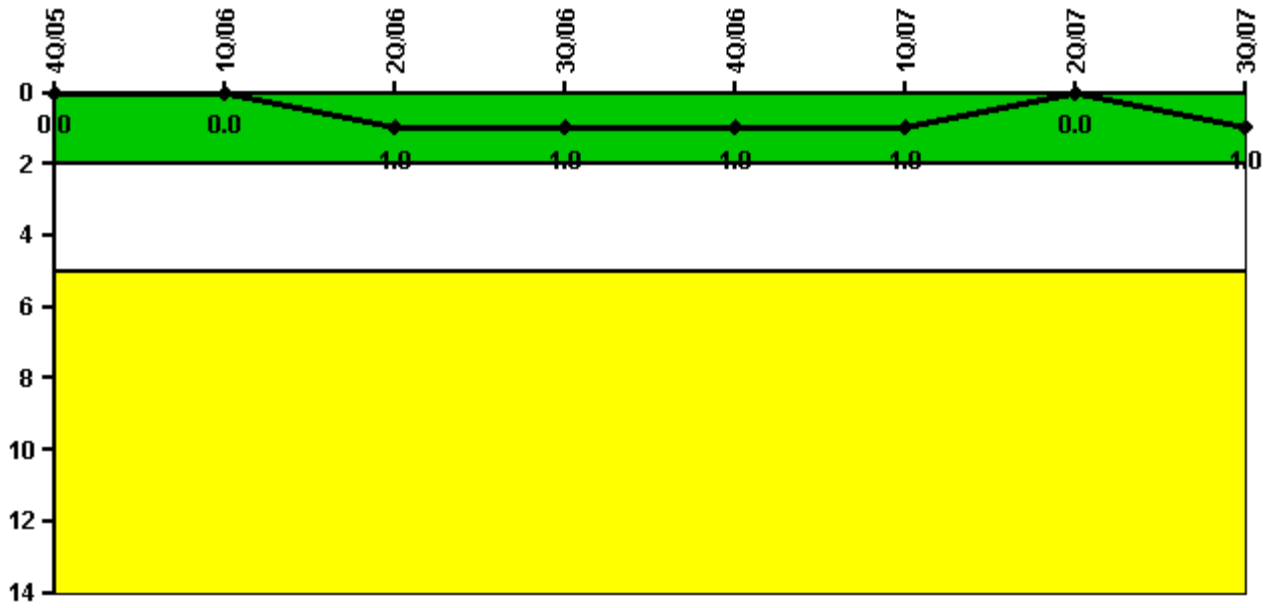
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	182	182	183	183	183	183	183	183
Total sirens-tests	183	183	183	183	183	183	183	183
Indicator value	99.7%	99.6%	99.7%	99.7%	99.9%	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	1	0	0	0	0	1
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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</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

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[Physical Protection](#) information not publicly available.

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▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: December 7, 2007