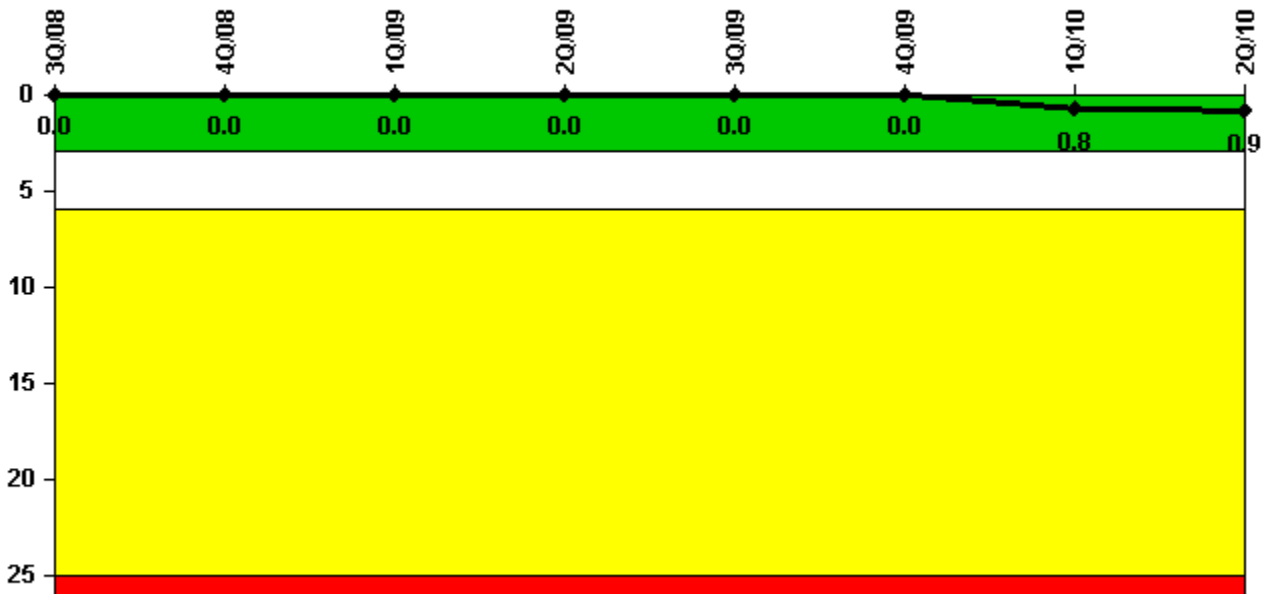


# Comanche Peak 1

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



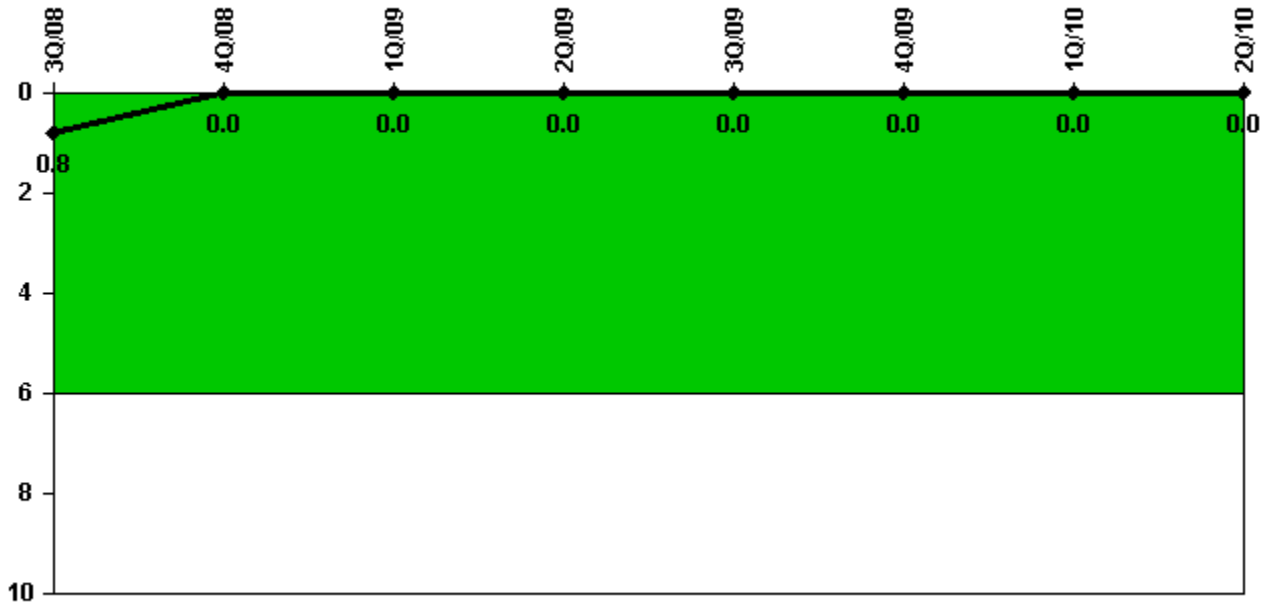
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2124.0	1849.4	2159.0	2184.0	2208.0	2209.0	2069.7	1621.7
Indicator value	0	0	0	0	0	0	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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2124.0	1849.4	2159.0	2184.0	2208.0	2209.0	2069.7	1621.7
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

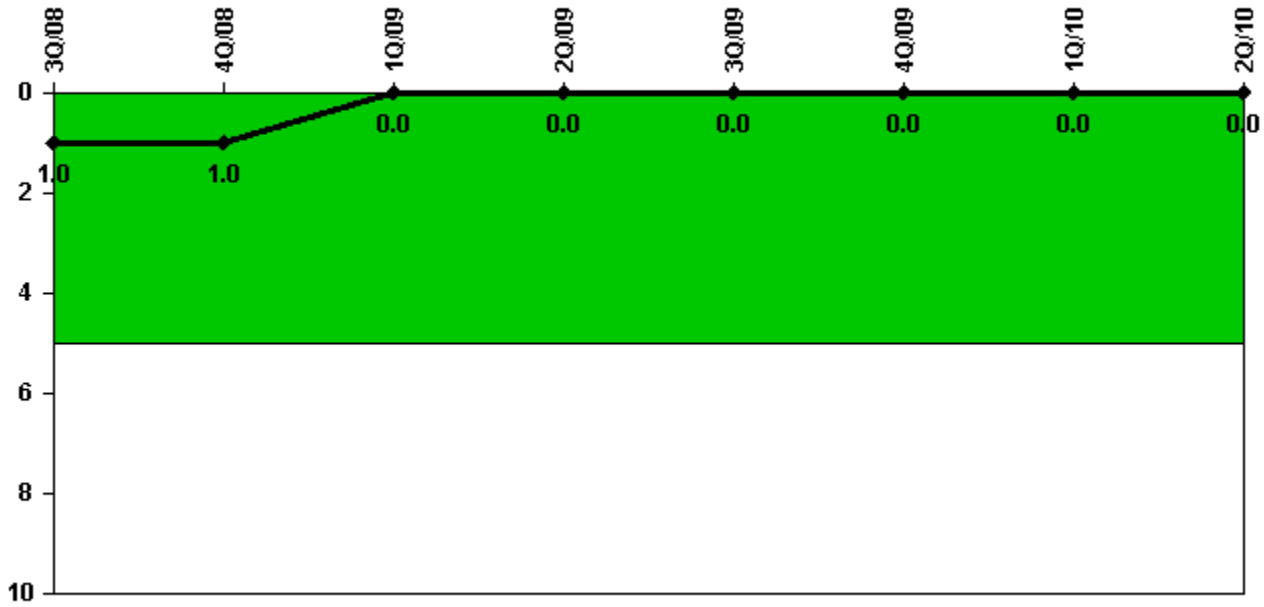
### Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

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## Safety System Functional Failures (PWR)



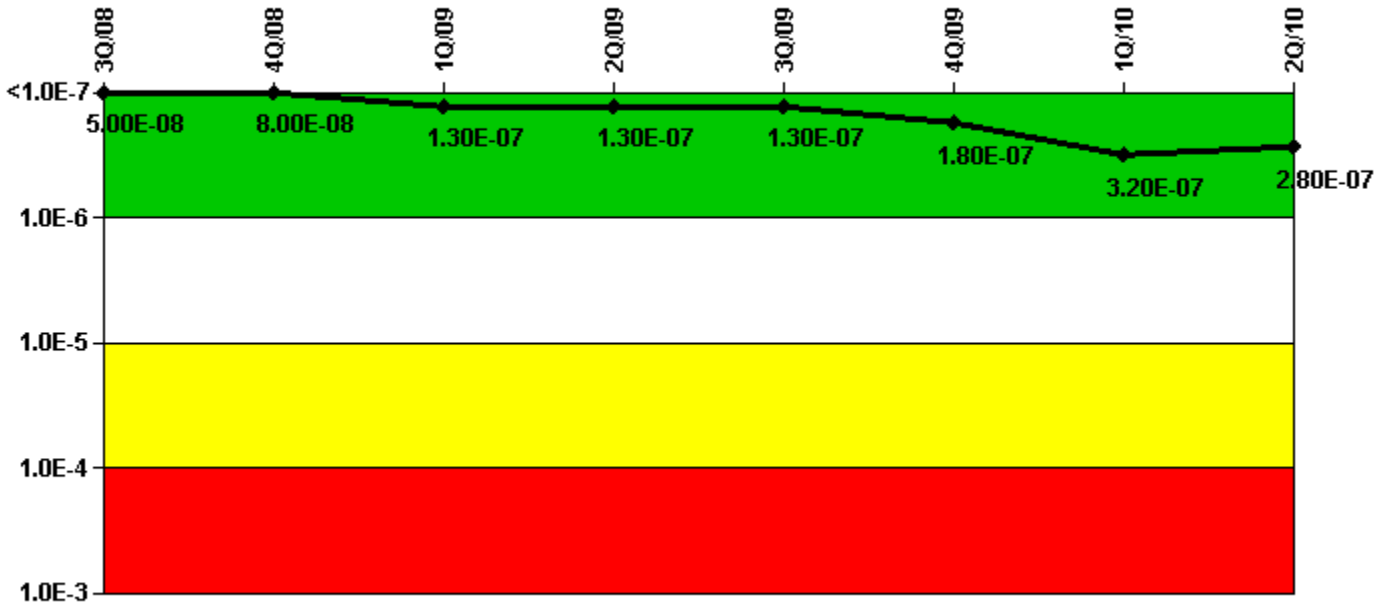
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	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

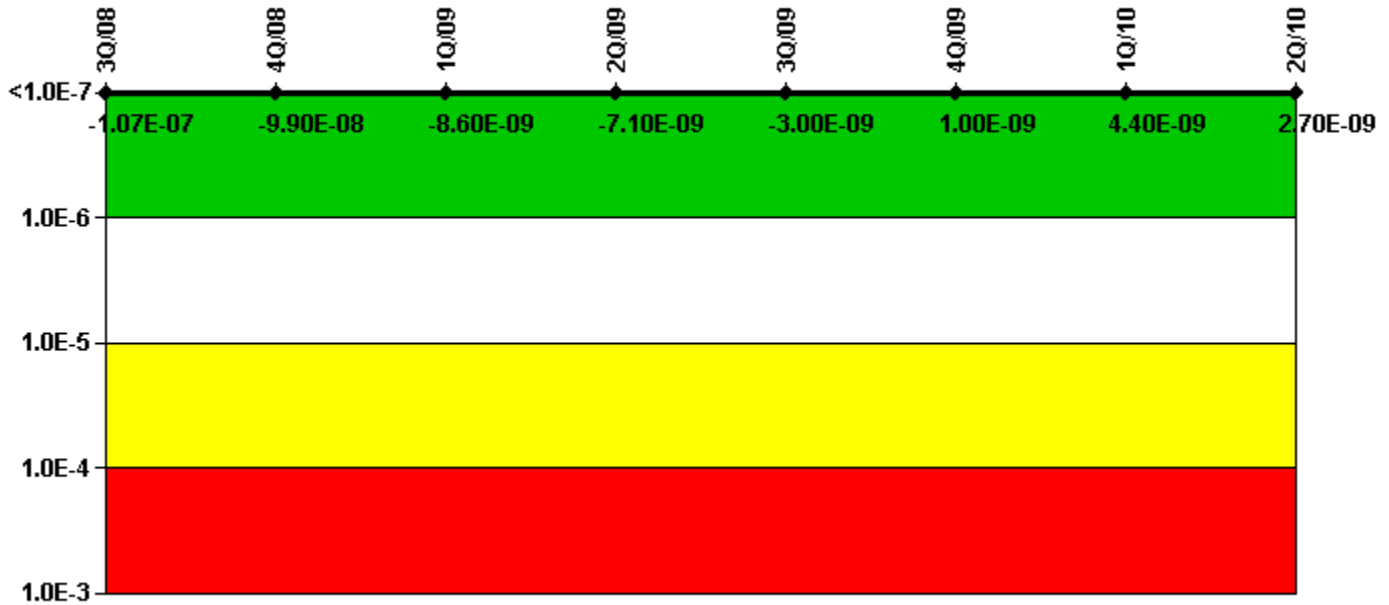
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-2.70E-07	-2.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.30E-07	-2.27E-07	-2.12E-07
URI ( $\Delta$ CDF)	3.20E-07	3.50E-07	5.00E-07	5.00E-07	5.00E-07	5.10E-07	5.50E-07	4.96E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-08	8.00E-08	1.30E-07	1.30E-07	1.30E-07	1.80E-07	3.20E-07	2.80E-07

Licensee Comments:

2Q/10: Risk Cap Invoked.

# Mitigating Systems Performance Index, High Pressure Injection System



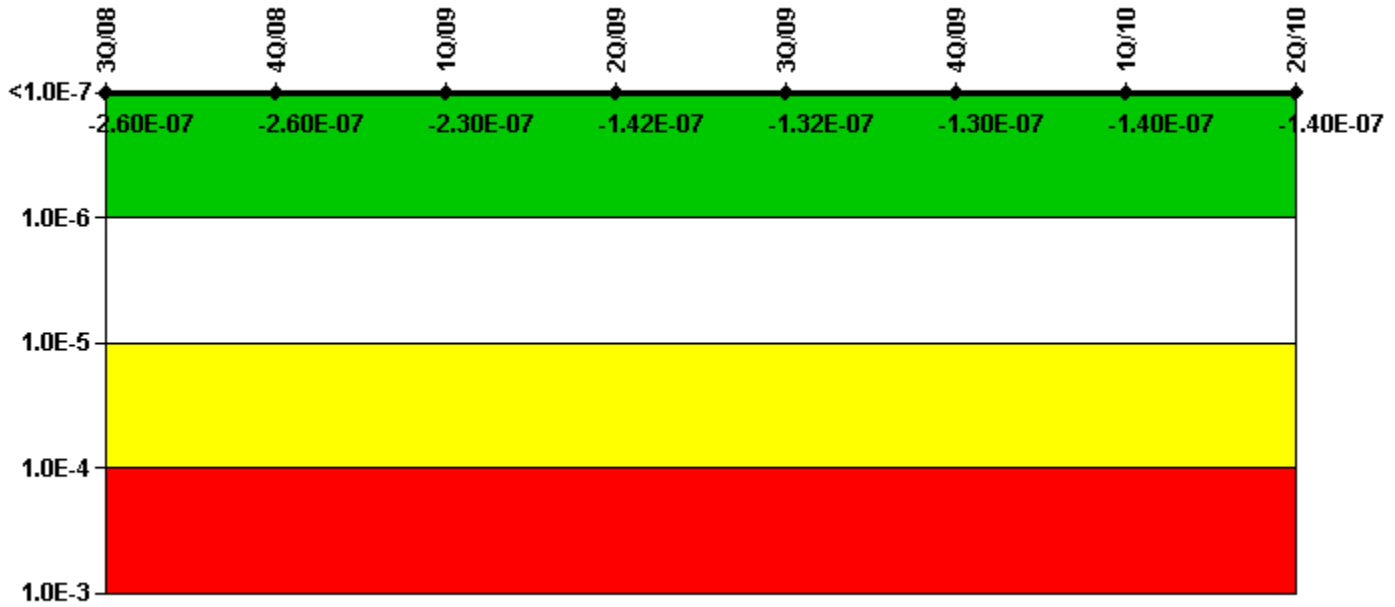
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-7.50E-08	-7.50E-08	-1.50E-08	-1.50E-08	-1.30E-08	-1.30E-08	-1.33E-08	-1.43E-08
URI ( $\Delta$ CDF)	-3.20E-08	-2.40E-08	6.40E-09	7.90E-09	1.00E-08	1.40E-08	1.76E-08	1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.07E-07	-9.90E-08	-8.60E-09	-7.10E-09	-3.00E-09	1.00E-09	4.40E-09	2.70E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



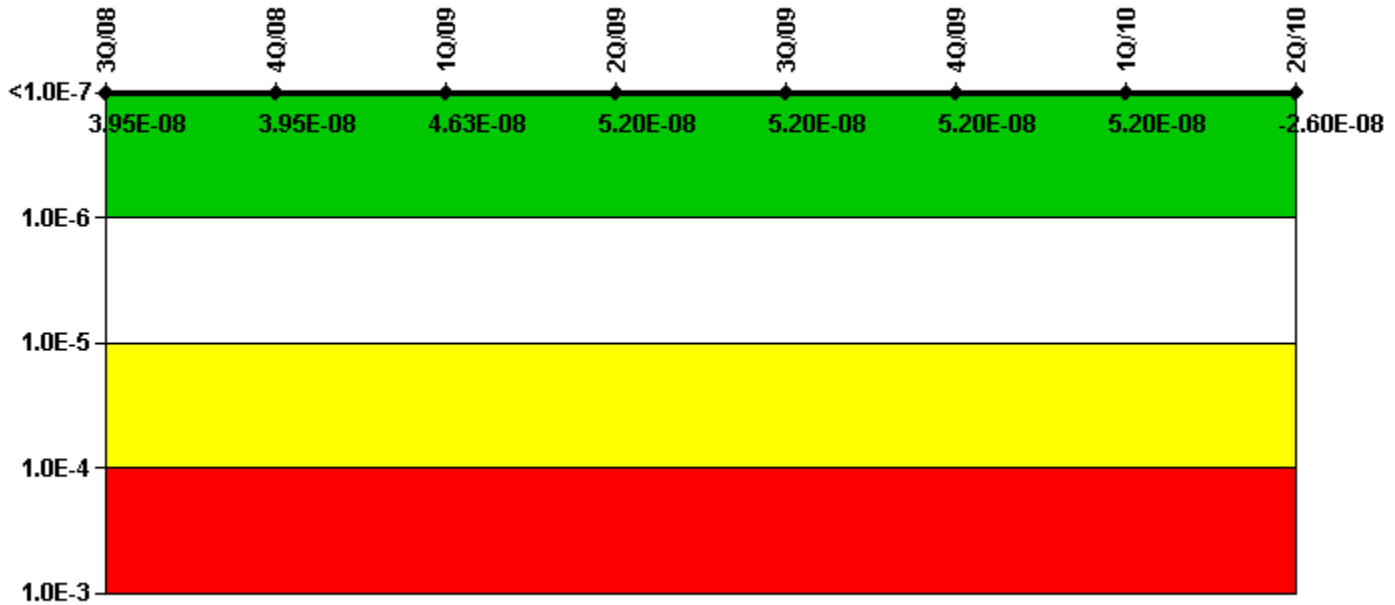
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-1.50E-07	-1.50E-07	-1.20E-07	-3.20E-08	-3.20E-08	-3.20E-08	-3.67E-08	-3.61E-08
URI ( $\Delta$ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-9.80E-08	-1.00E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-07	-2.60E-07	-2.30E-07	-1.42E-07	-1.32E-07	-1.30E-07	-1.40E-07	-1.40E-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

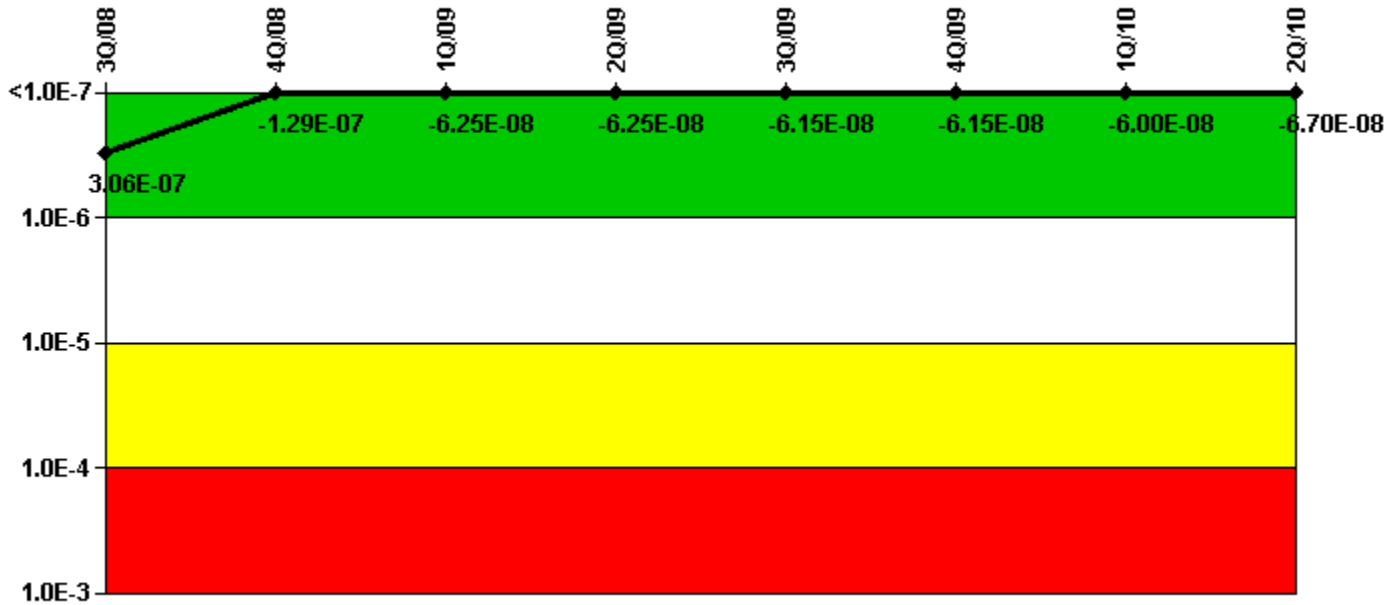
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-7.50E-09	-7.50E-09	-7.70E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.18E-09	-2.15E-09
URI ( $\Delta$ CDF)	4.70E-08	4.70E-08	5.40E-08	5.40E-08	5.40E-08	5.40E-08	5.38E-08	-2.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.95E-08	3.95E-08	4.63E-08	5.20E-08	5.20E-08	5.20E-08	5.20E-08	-2.60E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



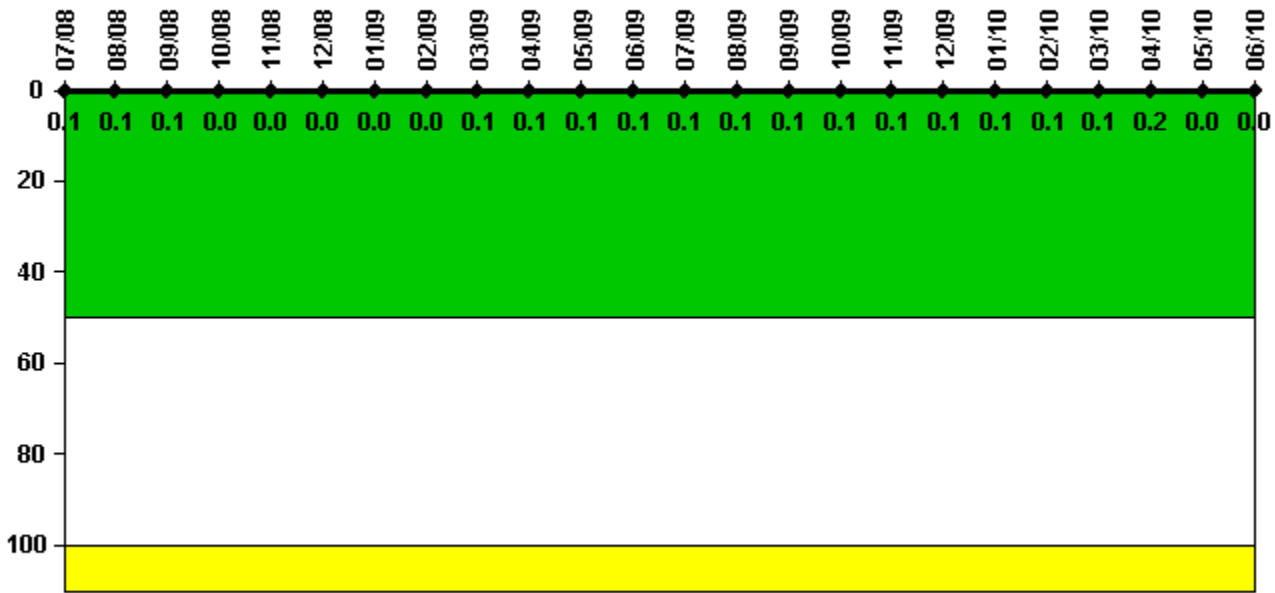
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	7.60E-08	7.10E-08	1.50E-09	1.50E-09	1.50E-09	1.50E-09	2.17E-09	2.21E-09
URI ( $\Delta$ CDF)	2.30E-07	-2.00E-07	-6.40E-08	-6.40E-08	-6.30E-08	-6.30E-08	-6.23E-08	-6.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.06E-07	-1.29E-07	-6.25E-08	-6.25E-08	-6.15E-08	-6.15E-08	-6.00E-08	-6.70E-08

Licensee Comments: none

# Reactor Coolant System Activity



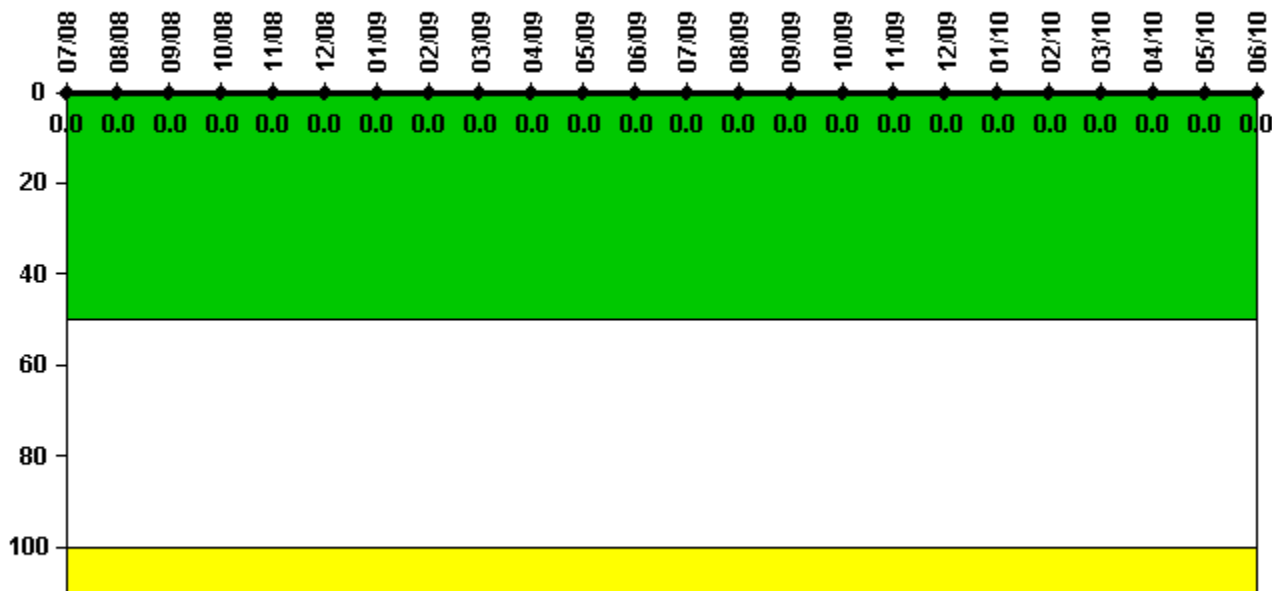
Thresholds: White > 50.0 Yellow > 100.0

## Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000333	0.000320	0.000489	0.000151	0.000177	0.000192	0.000206	0.000220	0.000247	0.000233	0.000235	0.000270
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0	0	0	0	0	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000248	0.000265	0.000270	0.000280	0.000282	0.000289	0.000363	0.000466	0.000495	0.000816	0.000175	0.000185
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

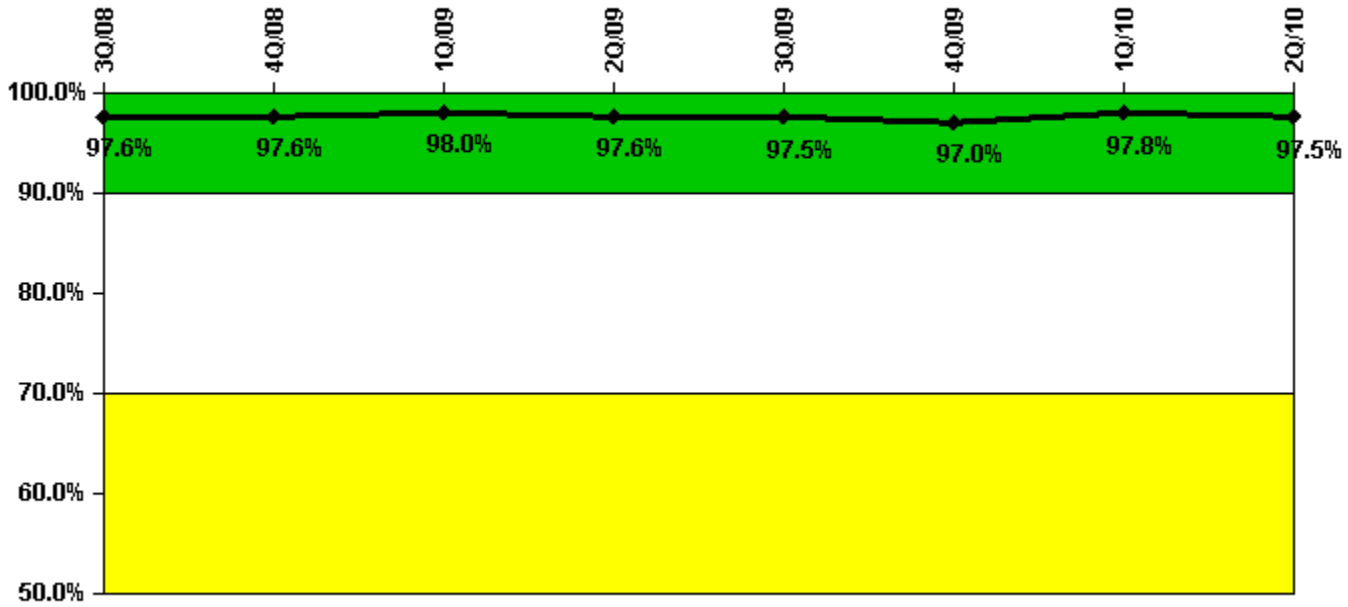
### Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
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	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
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:

6/10: The Comanche Peak Technical Specification (TS) limit for Identified Leakage is 10 gpm, and the TS limit for Unidentified Leakage is 1 gpm. Comanche Peak total calculated RCS leakage is normally much less than 1 gpm (recent baseline data was 0.037 gpm on Unit 1). For this magnitude of leak, Comanche Peak typically does not identify the leak source; therefore, this leakage is considered Unidentified Leakage. Under these conditions, we report to INPO CDE our Maximum RCS Unidentified Leakage, as measured, and our Maximum RCS Identified Leakage as 0.0 gpm (per the TS definition of Identified Leakage), in accordance with NEI 99-02, R6. Comanche Peak also administratively begins a process to identify the leak source when repeated RCS Unidentified Leakage test results are as low as >0.1 gpm (CPNPP action levels follow PWROG guidelines for RCS leakage). An FAQ has been submitted to the NEI ROP Task Force to clarify this method of reporting.

## Drill/Exercise Performance



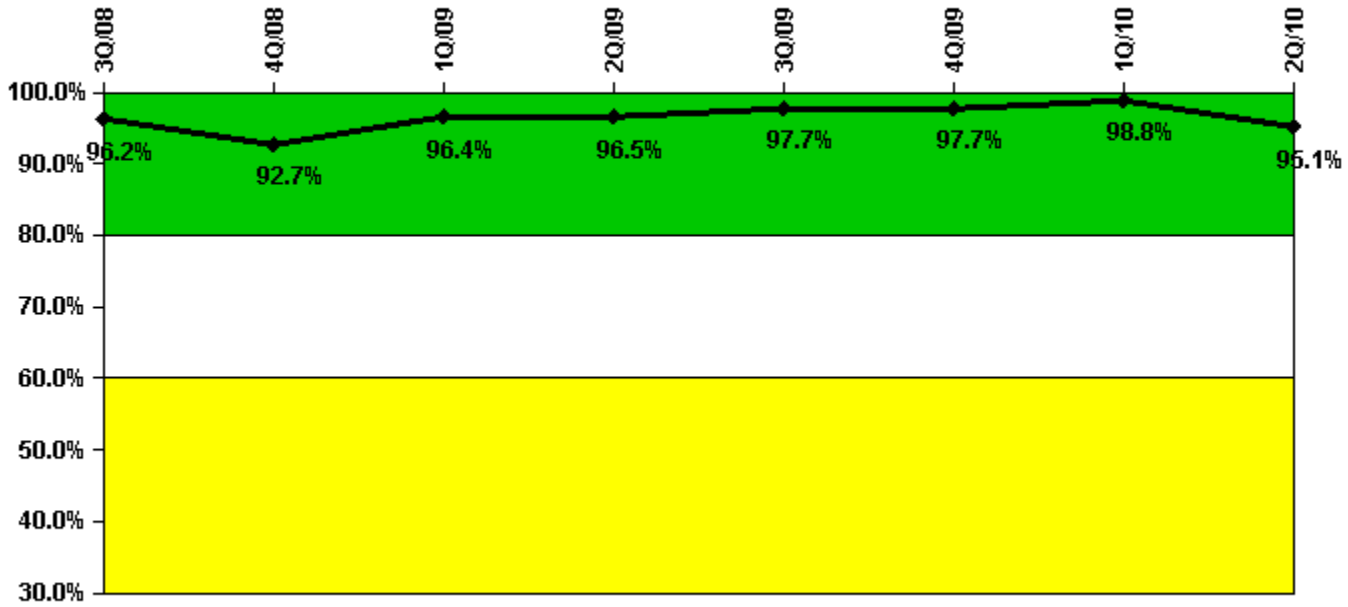
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	36.0	0	32.0	49.0	20.0	8.0	6.0	8.0
Total opportunities	37.0	0	32.0	51.0	20.0	8.0	6.0	9.0
Indicator value	97.6%	97.6%	98.0%	97.6%	97.5%	97.0%	97.8%	97.5%

Licensee Comments: none

## ERO Drill Participation



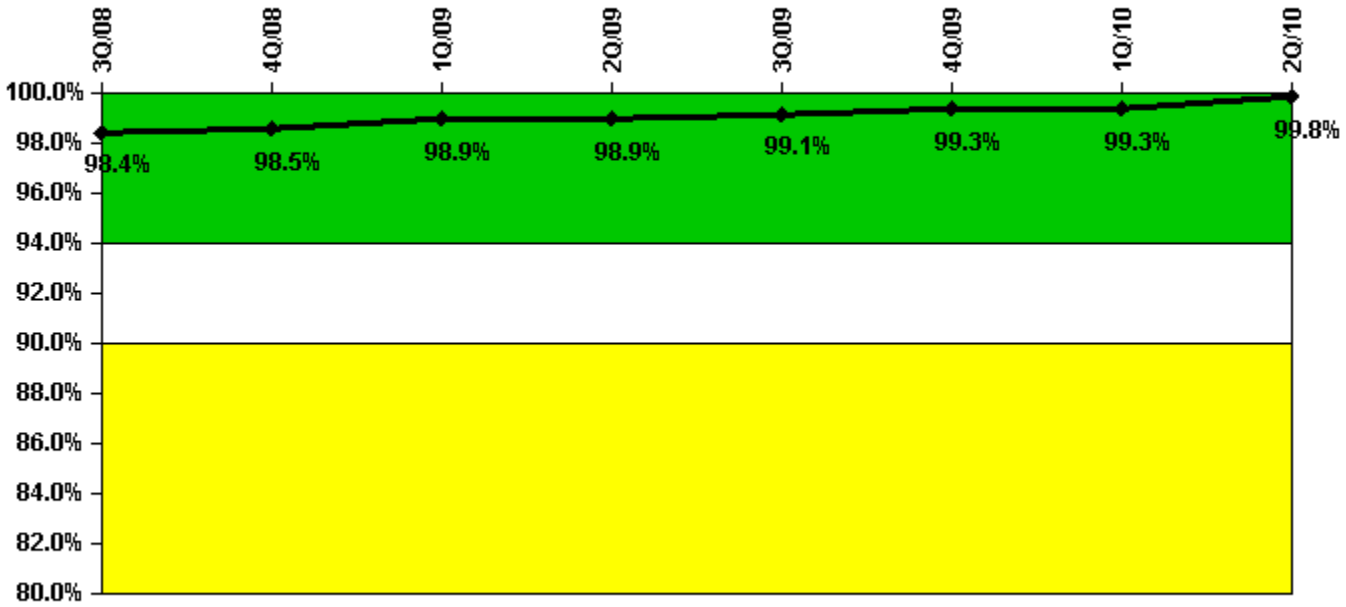
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	76.0	76.0	80.0	83.0	84.0	85.0	82.0	77.0
Total Key personnel	79.0	82.0	83.0	86.0	86.0	87.0	83.0	81.0
Indicator value	96.2%	92.7%	96.4%	96.5%	97.7%	97.7%	98.8%	95.1%

Licensee Comments: none

# Alert & Notification System



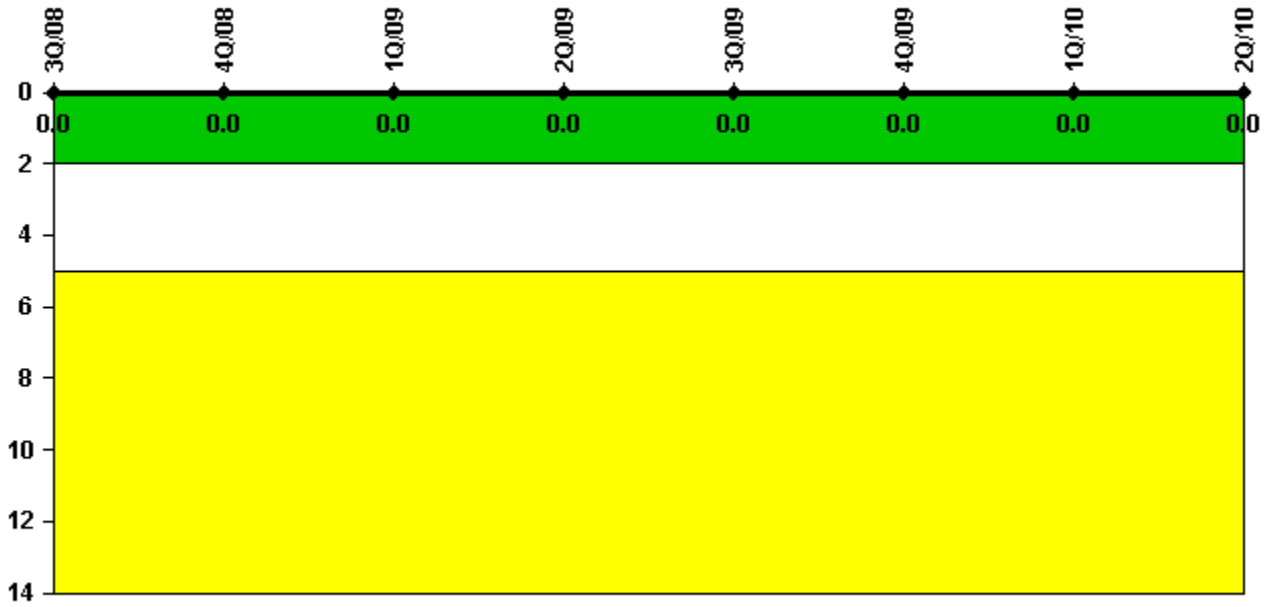
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	426	427	432	424	430	428	432	432
Total sirens-tests	432	432	432	432	432	430	432	432
Indicator value	98.4%	98.5%	98.9%	98.9%	99.1%	99.3%	99.3%	99.8%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.