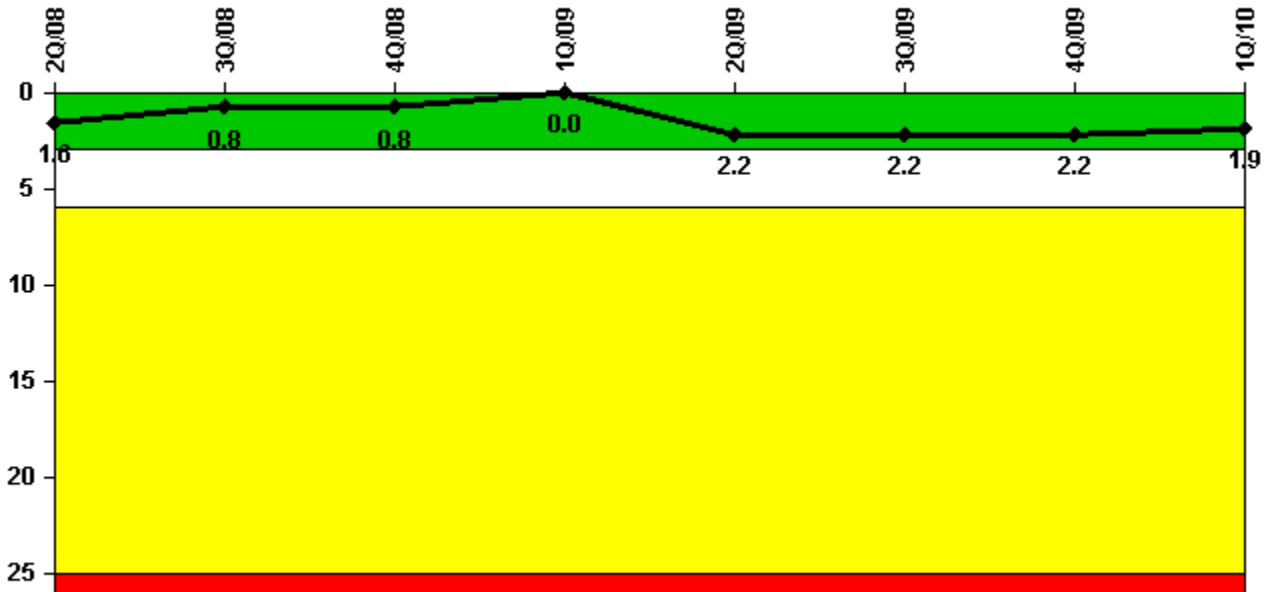


# Hatch 2

## 1Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



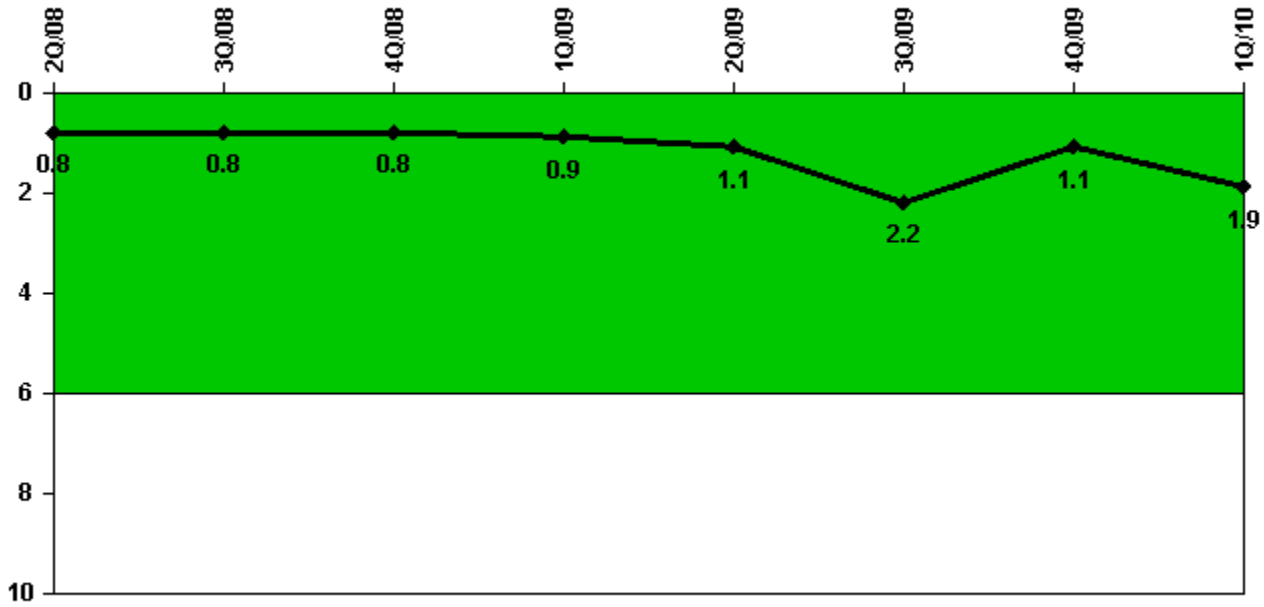
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2060.5	2208.0	2209.0	937.3	877.2	2208.0	2209.0	2159.0
Indicator value	1.6	0.8	0.8	0	2.2	2.2	2.2	1.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



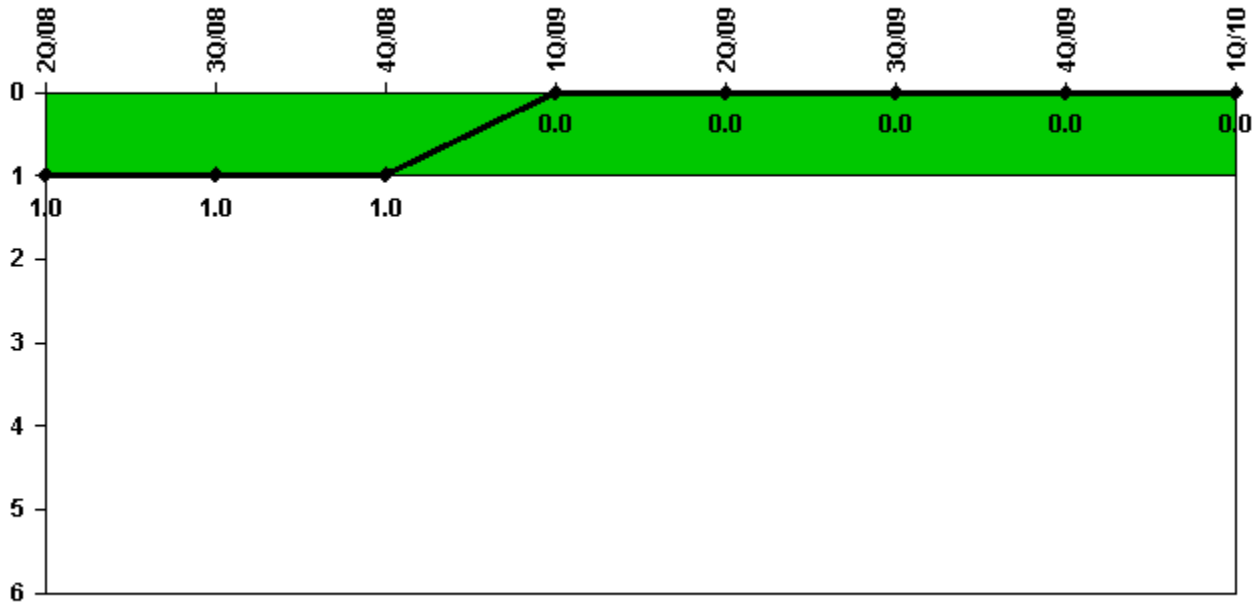
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	1.0	0	0	1.0	0	1.0
Critical hours	2060.5	2208.0	2209.0	937.3	877.2	2208.0	2209.0	2159.0
Indicator value	0.8	0.8	0.8	0.9	1.1	2.2	1.1	1.9

Licensee Comments: none

## Unplanned Scrams with Complications



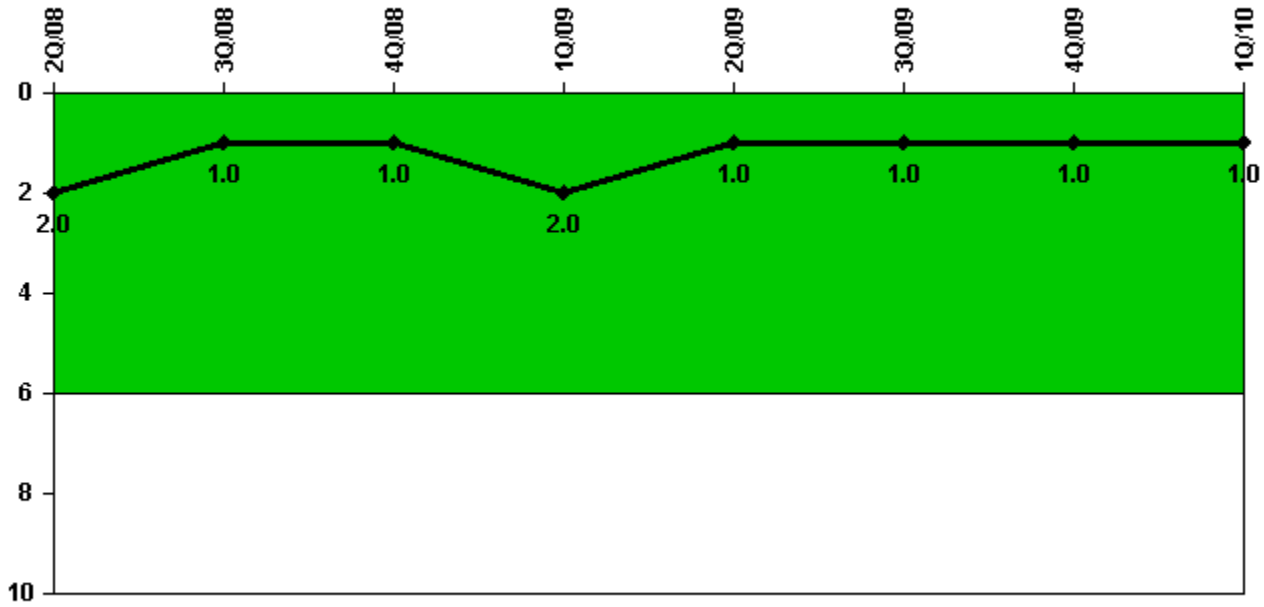
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

### Notes

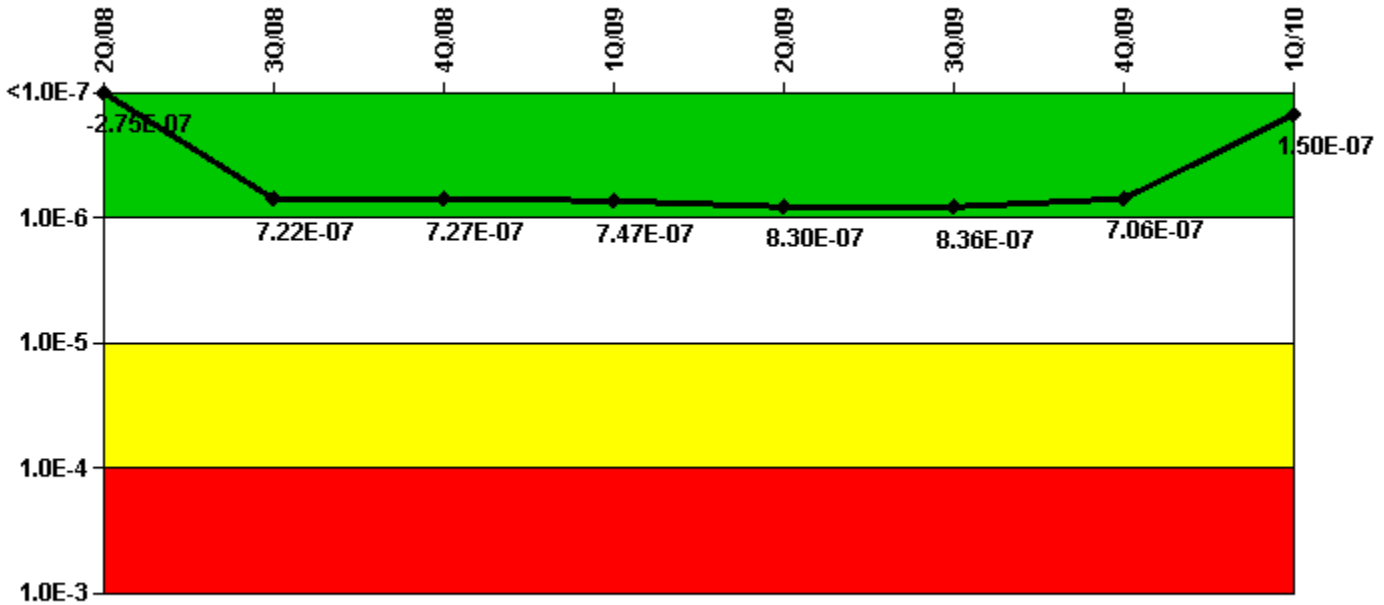
Safety System Functional Failures (BWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	1	0	0	1	0	0	0	1
Indicator value	2	1	1	2	1	1	1	1

Licensee Comments:

1Q/10: LER 2009-005, "ECCS Systems Declared Inoperable Due to Loss of Automatic Suction Swap Capability During Surveillance."

2Q/08: LER 2-2008-001

# Mitigating Systems Performance Index, Emergency AC Power System



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

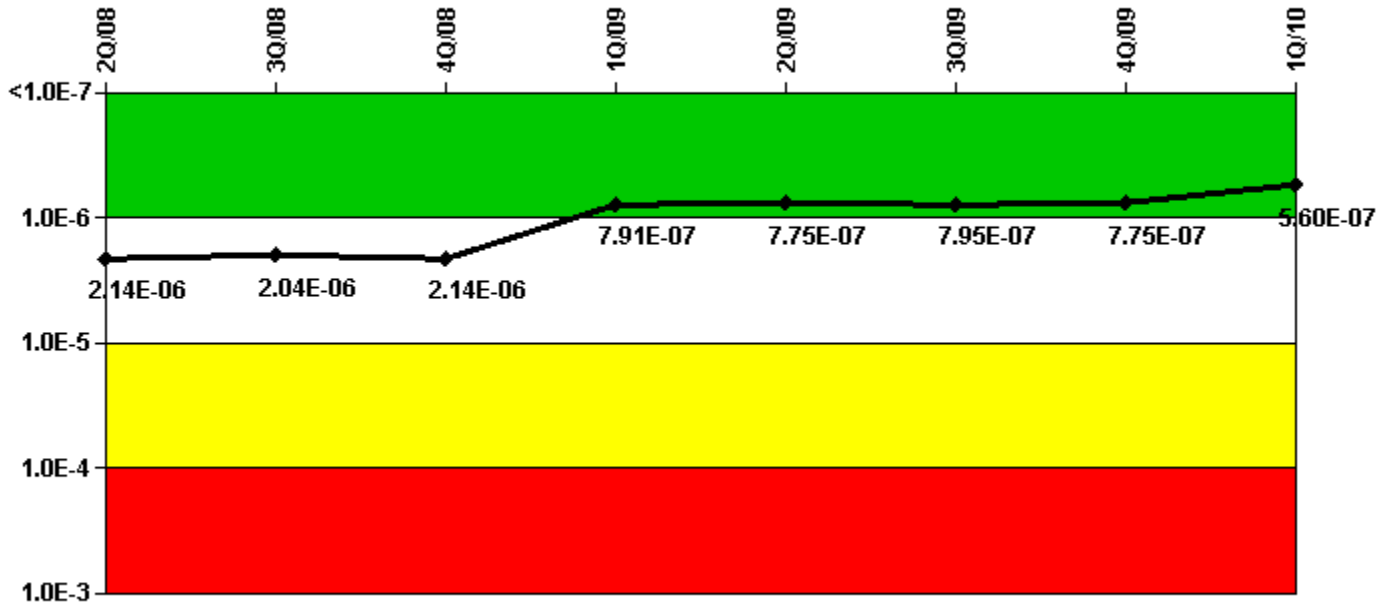
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	5.10E-09	6.20E-08	6.70E-08	8.70E-08	6.00E-08	6.60E-08	8.60E-08	8.26E-08
URI (ΔCDF)	-2.80E-07	6.60E-07	6.60E-07	6.60E-07	7.70E-07	7.70E-07	6.20E-07	7.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.75E-07	7.22E-07	7.27E-07	7.47E-07	8.30E-07	8.36E-07	7.06E-07	1.50E-07

Licensee Comments:

1Q/10: Risk Cap Invoked. One Diesel event under evaluation (CR2009112068). This situation was identified to the resident inspector.

# Mitigating Systems Performance Index, High Pressure Injection System



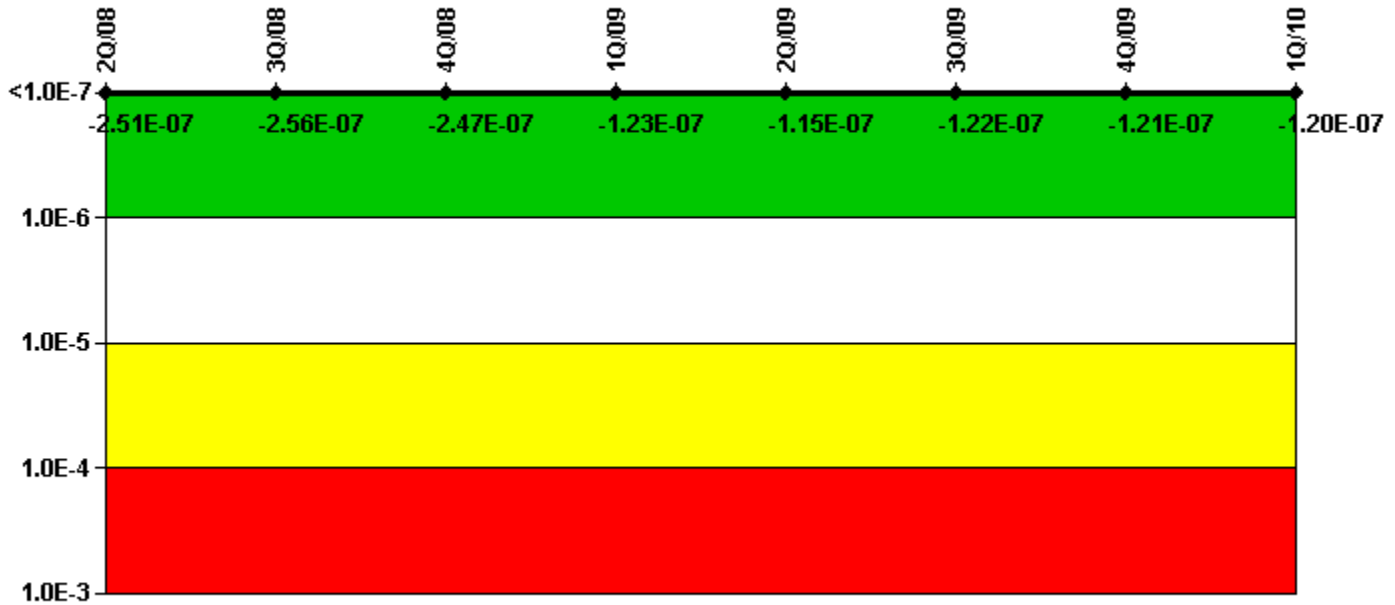
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	3.70E-08	3.70E-08	3.70E-08	1.10E-08	-4.80E-09	-4.80E-09	-4.80E-09	-1.40E-08
URI ( $\Delta$ CDF)	2.10E-06	2.00E-06	2.10E-06	7.80E-07	7.80E-07	8.00E-07	7.80E-07	5.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.14E-06	2.04E-06	2.14E-06	7.91E-07	7.75E-07	7.95E-07	7.75E-07	5.60E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



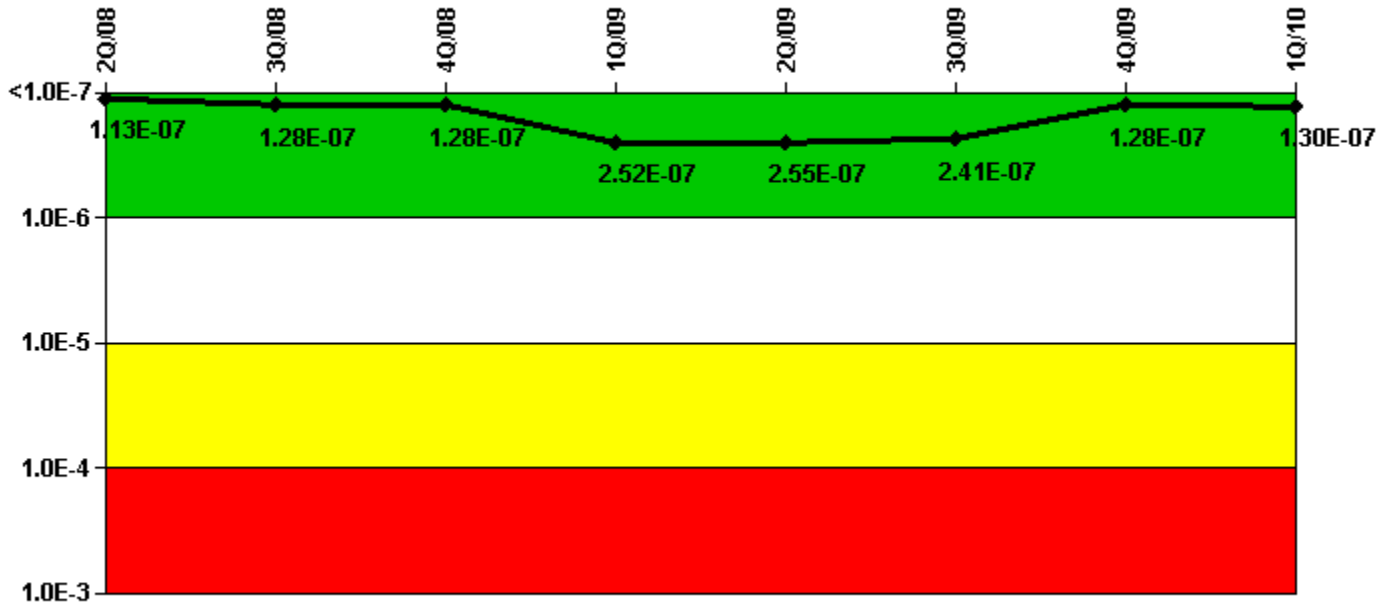
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	-7.10E-08	-6.60E-08	-6.70E-08	-3.50E-08	-3.20E-08	-4.00E-08	-4.00E-08	-3.96E-08
URI ( $\Delta$ CDF)	-1.80E-07	-1.90E-07	-1.80E-07	-8.80E-08	-8.30E-08	-8.20E-08	-8.10E-08	-7.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.51E-07	-2.56E-07	-2.47E-07	-1.23E-07	-1.15E-07	-1.22E-07	-1.21E-07	-1.20E-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

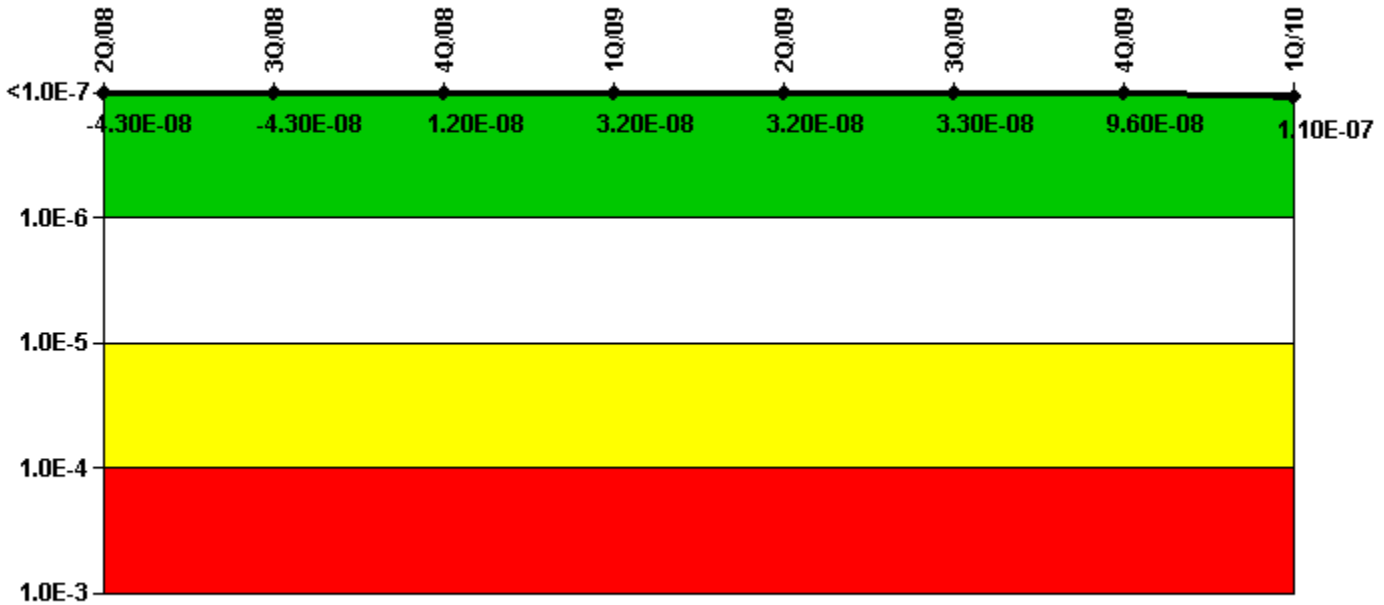
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	-7.20E-09	1.80E-08	1.80E-08	2.20E-08	2.50E-08	1.10E-08	-2.20E-09	-3.80E-09
URI ( $\Delta$ CDF)	1.20E-07	1.10E-07	1.10E-07	2.30E-07	2.30E-07	2.30E-07	1.30E-07	1.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.13E-07	1.28E-07	1.28E-07	2.52E-07	2.55E-07	2.41E-07	1.28E-07	1.30E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



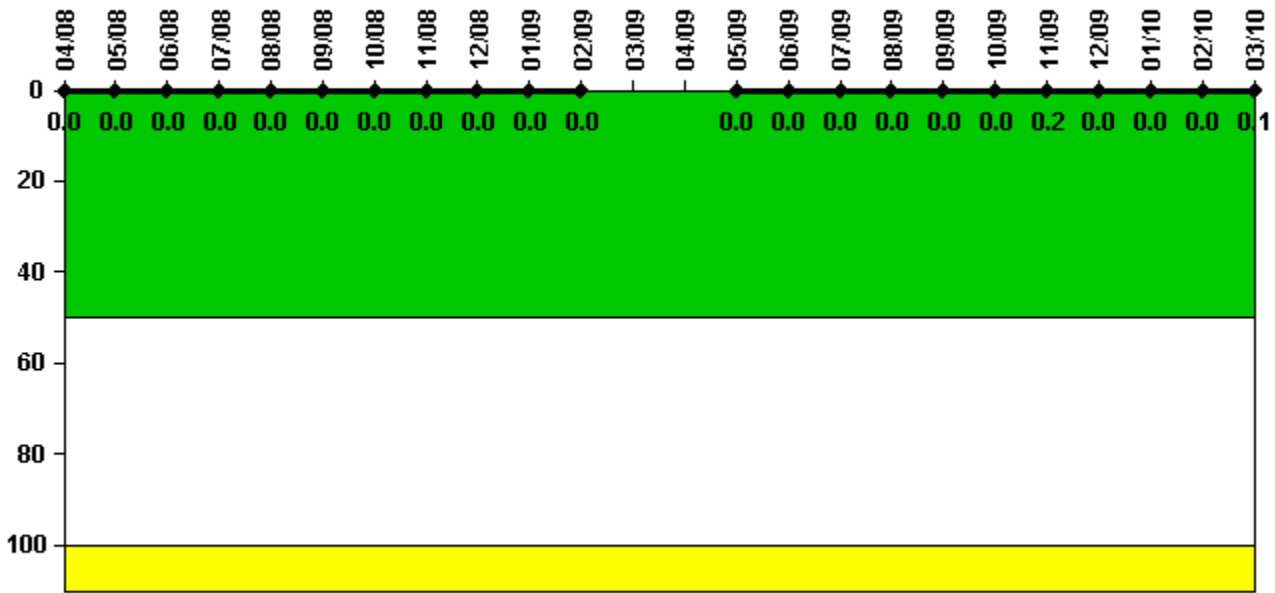
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	4.40E-08	4.40E-08	4.50E-08	5.90E-08	5.90E-08	5.90E-08	6.10E-08	6.57E-08
URI ( $\Delta$ CDF)	-8.70E-08	-8.70E-08	-3.30E-08	-2.70E-08	-2.70E-08	-2.60E-08	3.50E-08	4.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-08	-4.30E-08	1.20E-08	3.20E-08	3.20E-08	3.30E-08	9.60E-08	1.10E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

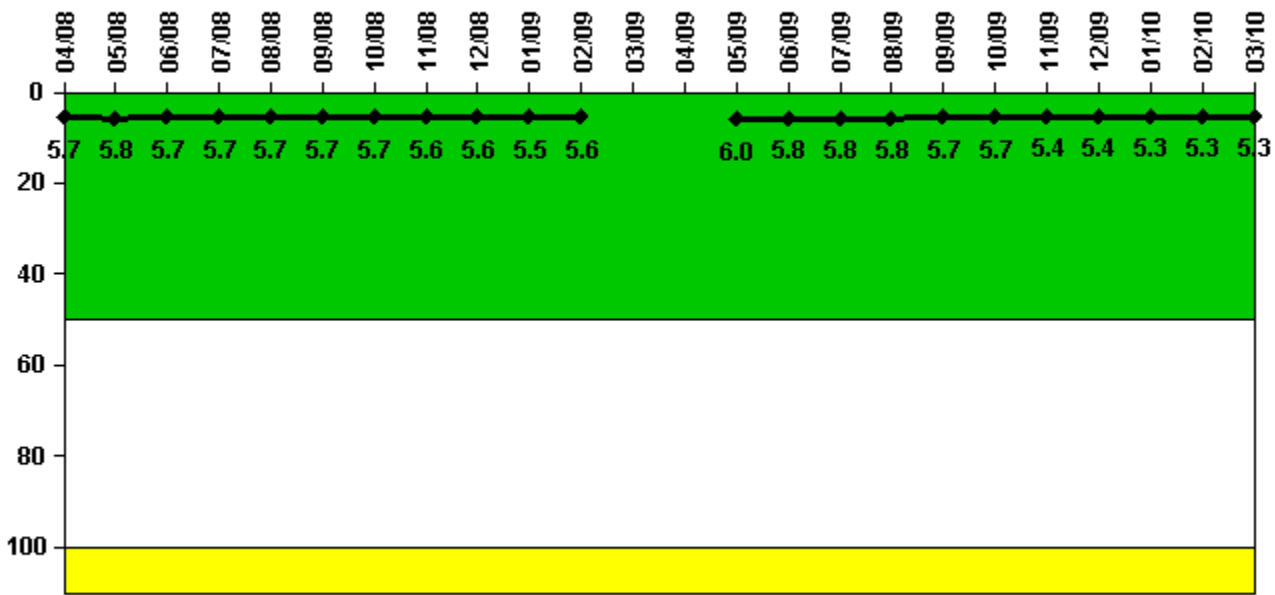
Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.000006	0.000004	0.000005	0.000007	0.000006	0.000005	0.000010	0.000016	0.000005	0.000004	0.000004	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	N/A

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	N/A	0.000001	0.000003	0.000005	0.000004	0.000004	0.000002	0.000356	0.000031	0.000051	0.000085	0.000124
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	N/A	0	0	0	0	0	0	0.2	0	0	0	0.1

Licensee Comments: none

## Reactor Coolant System Leakage



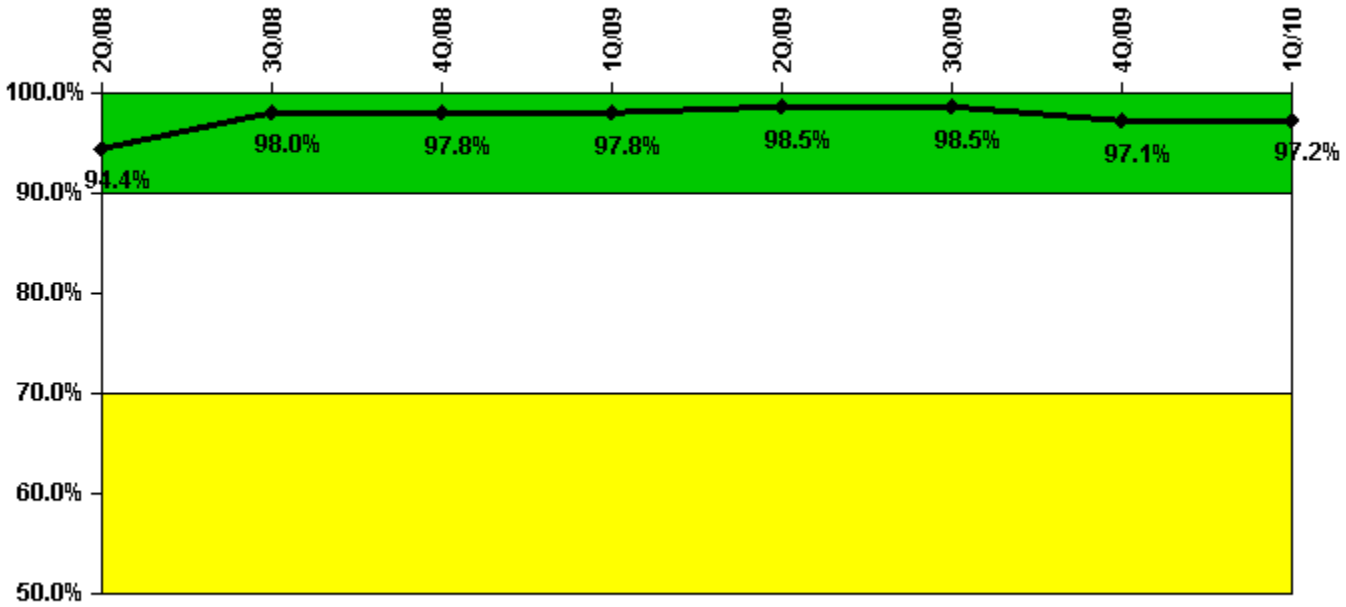
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>4/08</b>	<b>5/08</b>	<b>6/08</b>	<b>7/08</b>	<b>8/08</b>	<b>9/08</b>	<b>10/08</b>	<b>11/08</b>	<b>12/08</b>	<b>1/09</b>	<b>2/09</b>	<b>3/09</b>
Maximum leakage	1.710	1.730	1.720	1.720	1.710	1.710	1.710	1.690	1.680	1.660	1.690	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	5.7	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.6	N/A
<b>Reactor Coolant System Leakage</b>	<b>4/09</b>	<b>5/09</b>	<b>6/09</b>	<b>7/09</b>	<b>8/09</b>	<b>9/09</b>	<b>10/09</b>	<b>11/09</b>	<b>12/09</b>	<b>1/10</b>	<b>2/10</b>	<b>3/10</b>
Maximum leakage	N/A	1.810	1.740	1.740	1.740	1.710	1.700	1.630	1.610	1.600	1.580	1.600
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	6.0	5.8	5.8	5.8	5.7	5.7	5.4	5.4	5.3	5.3	5.3

Licensee Comments: none

## Drill/Exercise Performance



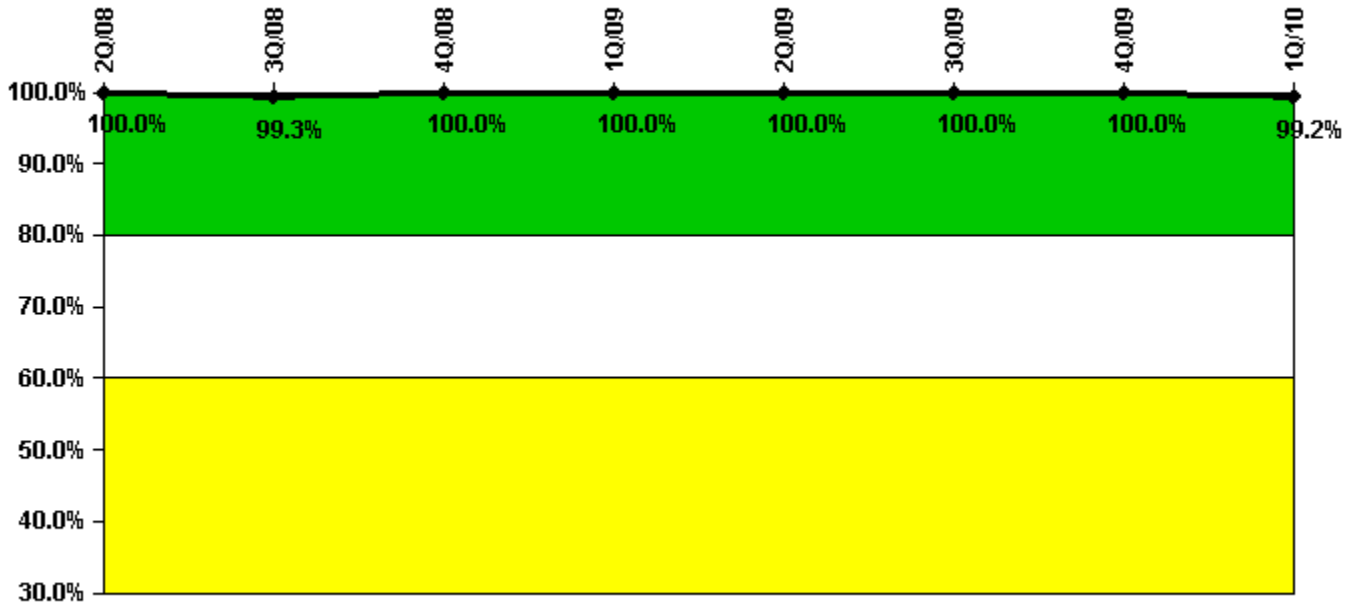
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	30.0	43.0	8.0	2.0	23.0	10.0	12.0	12.0
Total opportunities	32.0	43.0	8.0	2.0	23.0	10.0	14.0	12.0
Indicator value	94.4%	98.0%	97.8%	97.8%	98.5%	98.5%	97.1%	97.2%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	134.0	142.0	148.0	141.0	132.0	136.0	134.0	129.0
Total Key personnel	134.0	143.0	148.0	141.0	132.0	136.0	134.0	130.0
Indicator value	100.0%	99.3%	100.0%	100.0%	100.0%	100.0%	100.0%	99.2%

Licensee Comments: none

## Alert & Notification System

**Not applicable due to  
unique design  
characteristics.  
Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### Notes

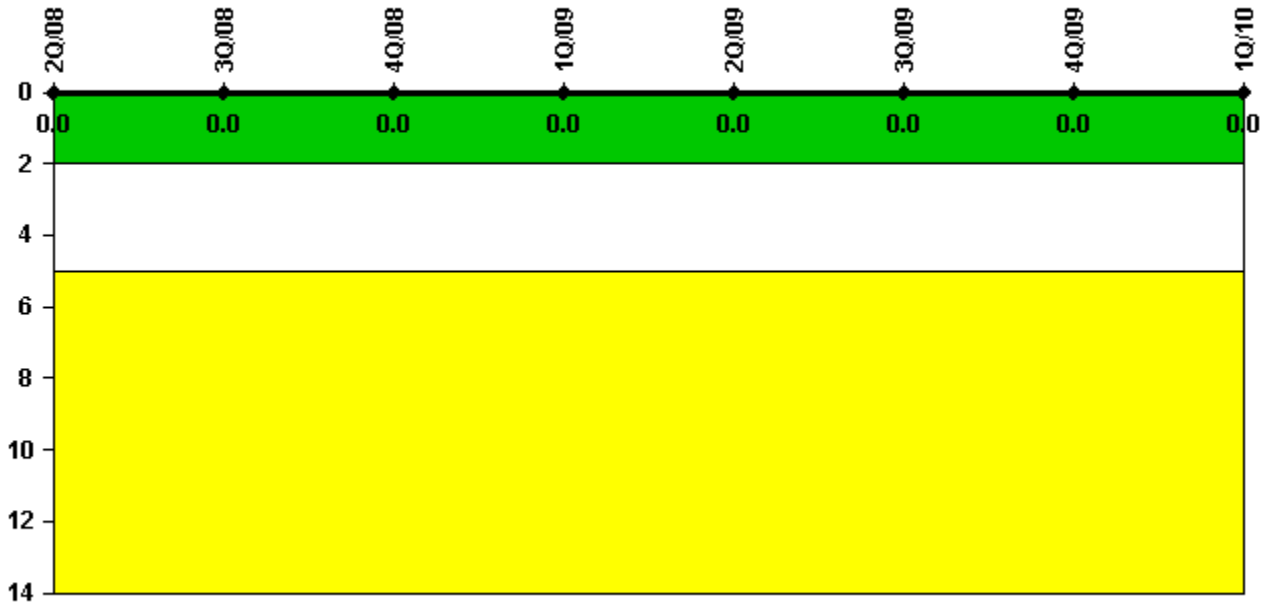
Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests								
Total sirens-tests								
Indicator value								

Licensee Comments:

1Q/10: Plant Hatch does not use sirens as an emergency notificaiton system.

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# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

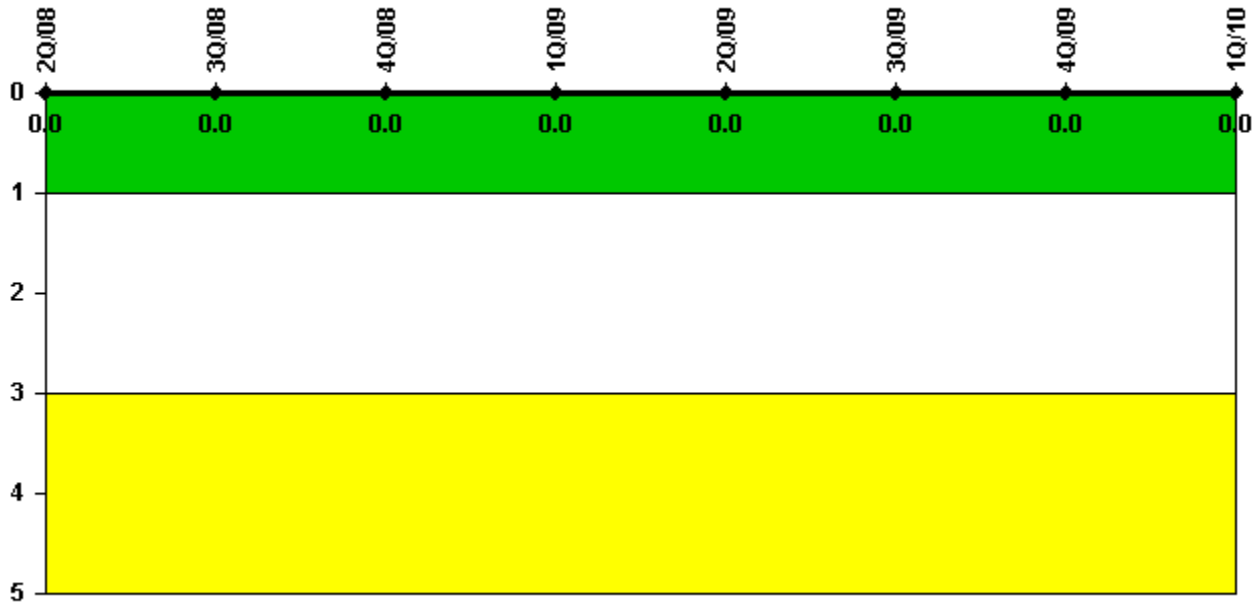
## Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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

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# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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.