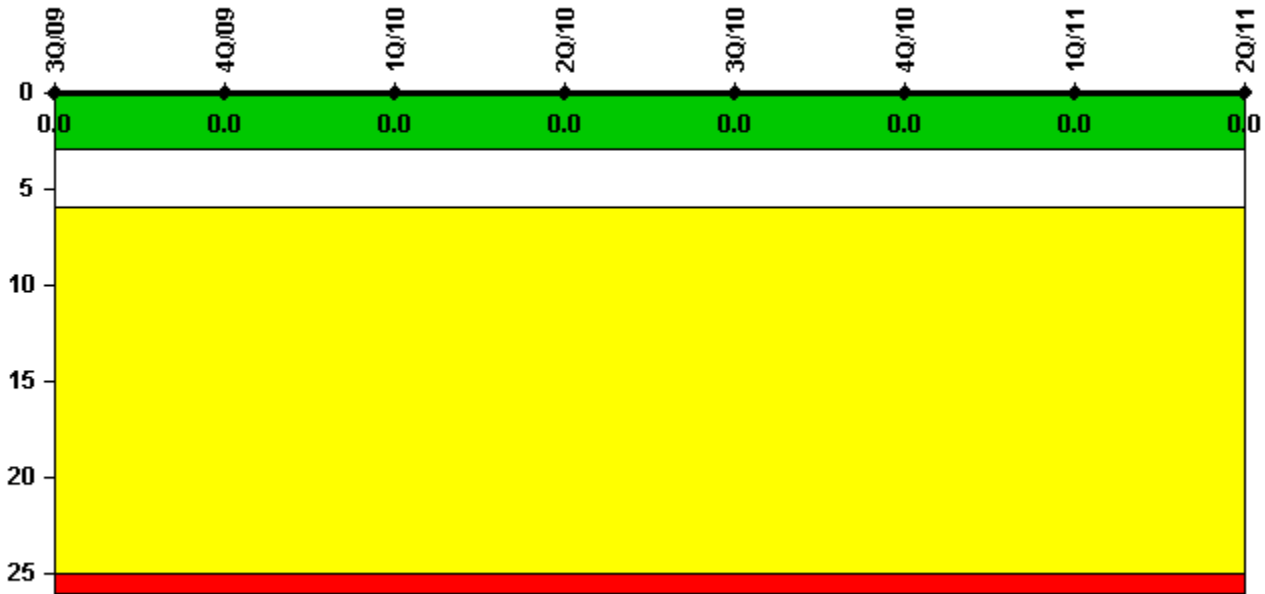


# Three Mile Island 1

## 2Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

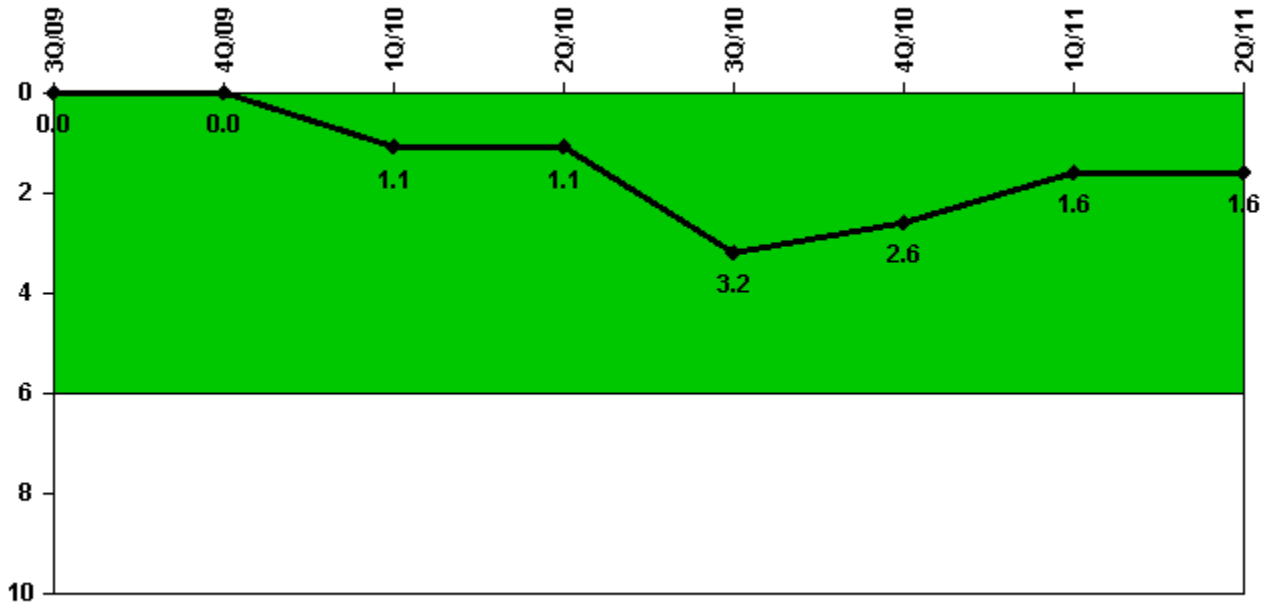
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	603.6	1595.8	2138.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	1.0	0	2.0	0	0	0
Critical hours	2208.0	603.6	1595.8	2138.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	1.1	1.1	3.2	2.6	1.6	1.6

Licensee Comments: none

## Unplanned Scrams with Complications



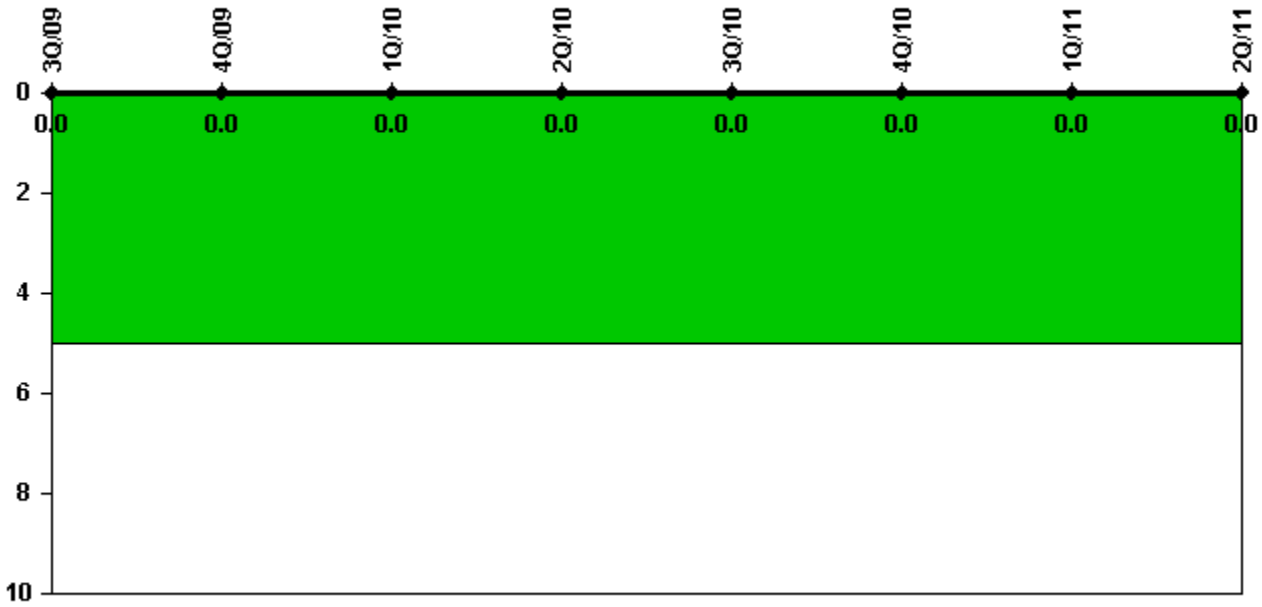
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

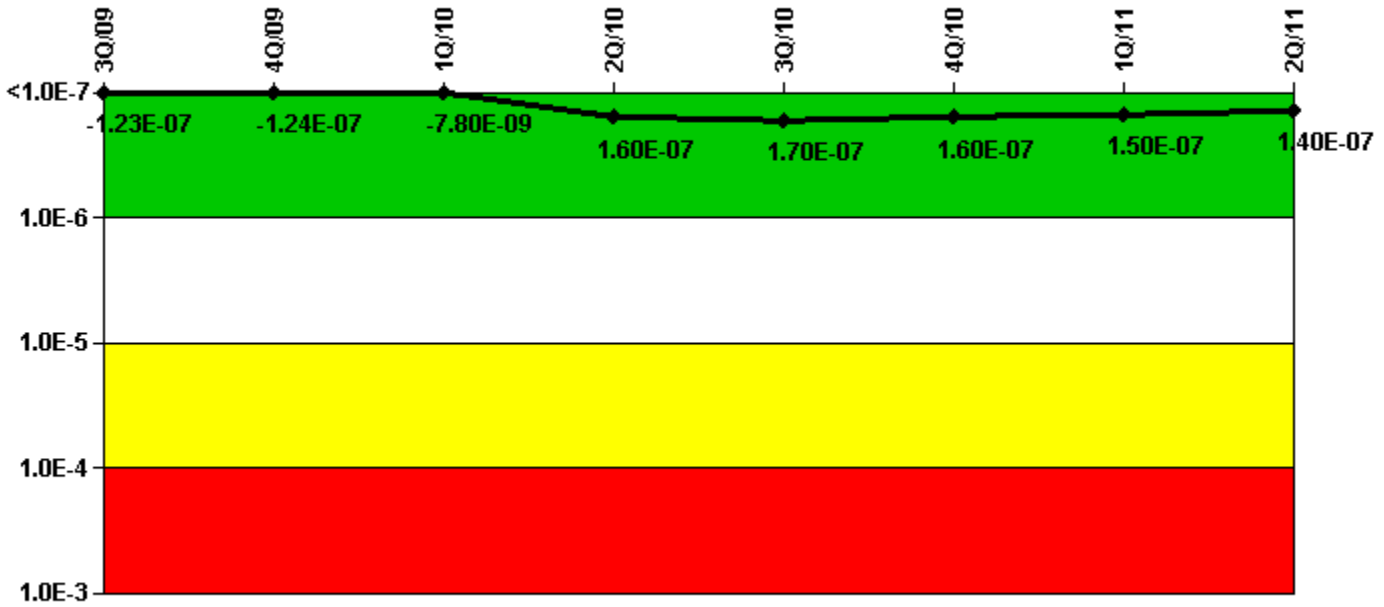
### Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	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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# Mitigating Systems Performance Index, Emergency AC Power System



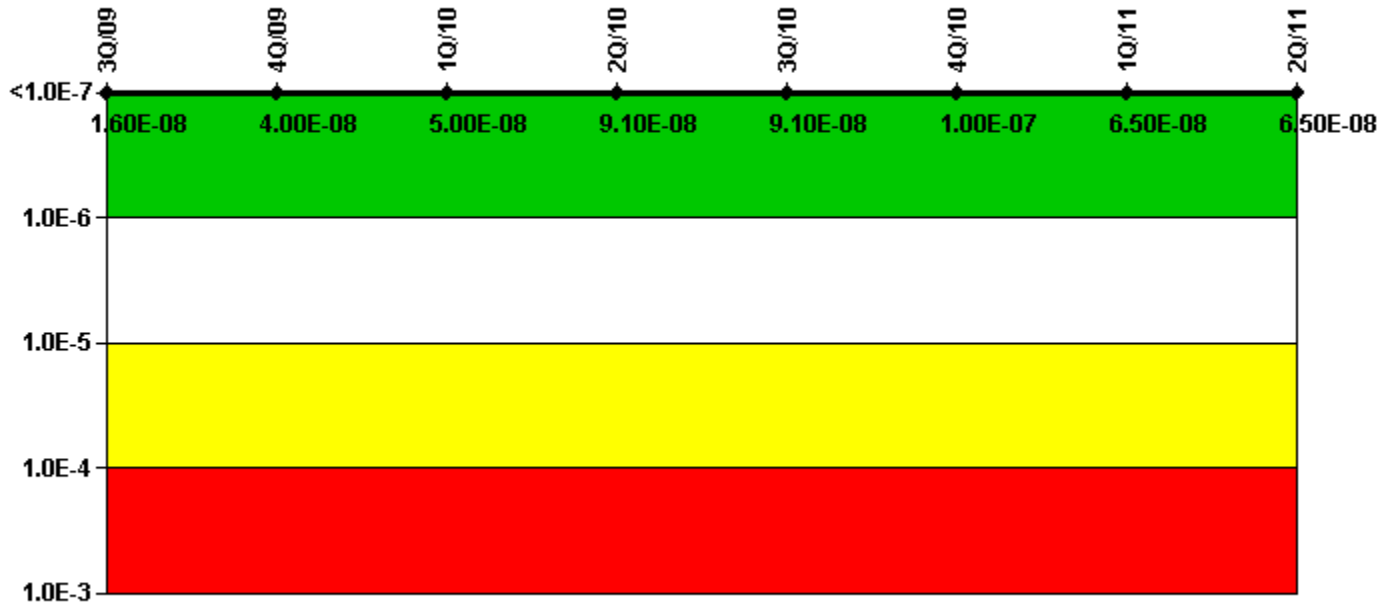
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	-2.90E-08	-2.90E-08	-2.91E-08	-1.36E-08	-4.06E-09	-8.60E-09	-1.52E-08	-2.91E-08
URI ( $\Delta$ CDF)	-9.40E-08	-9.50E-08	2.13E-08	1.73E-07	1.69E-07	1.69E-07	1.67E-07	1.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.23E-07	-1.24E-07	-7.80E-09	1.60E-07	1.70E-07	1.60E-07	1.50E-07	1.40E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



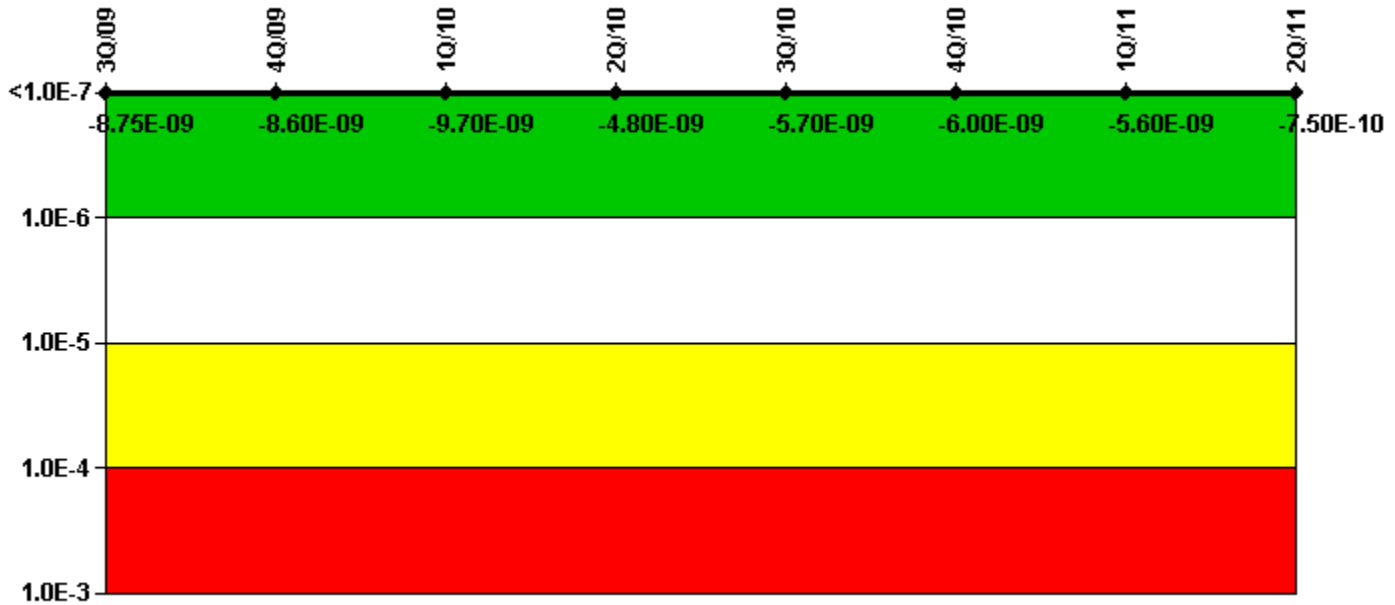
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	4.30E-08	6.70E-08	7.66E-08	1.18E-07	1.18E-07	1.30E-07	9.19E-08	9.19E-08
URI (ΔCDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.60E-08	4.00E-08	5.00E-08	9.10E-08	9.10E-08	1.00E-07	6.50E-08	6.50E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



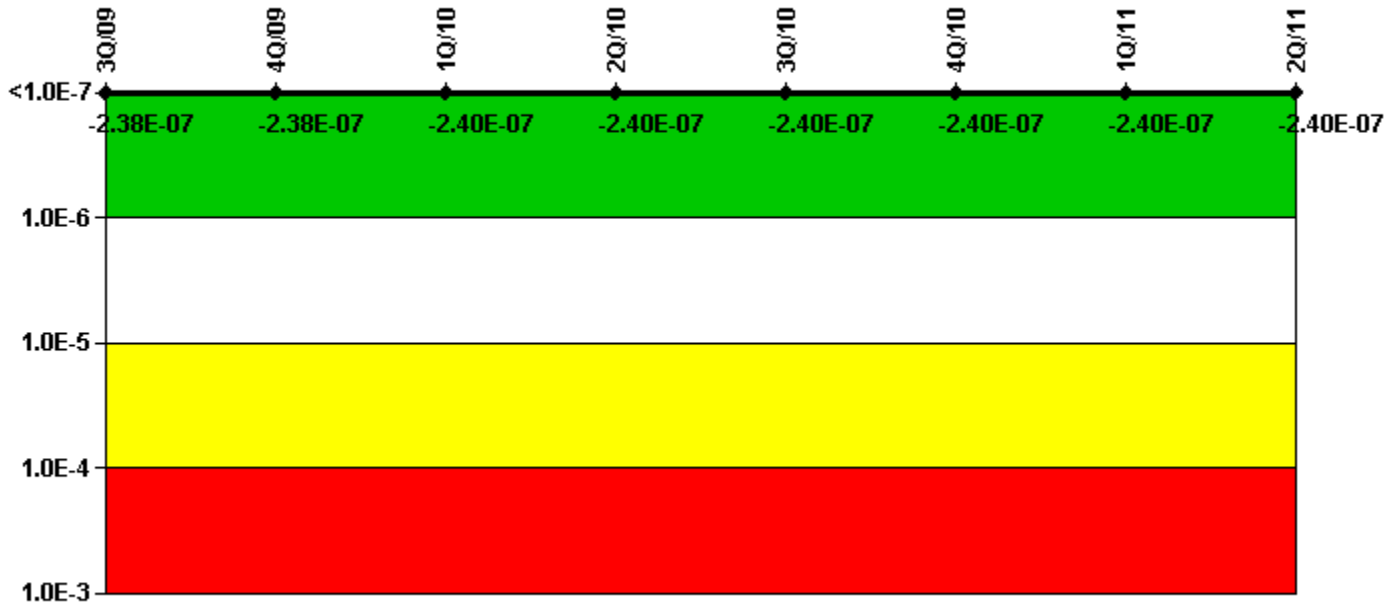
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	9.50E-10	1.10E-09	3.45E-11	4.90E-09	4.03E-09	3.70E-09	4.13E-09	9.00E-09
URI ( $\Delta$ CDF)	-9.70E-09	-9.70E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.75E-09	-8.60E-09	-9.70E-09	-4.80E-09	-5.70E-09	-6.00E-09	-5.60E-09	-7.50E-10

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

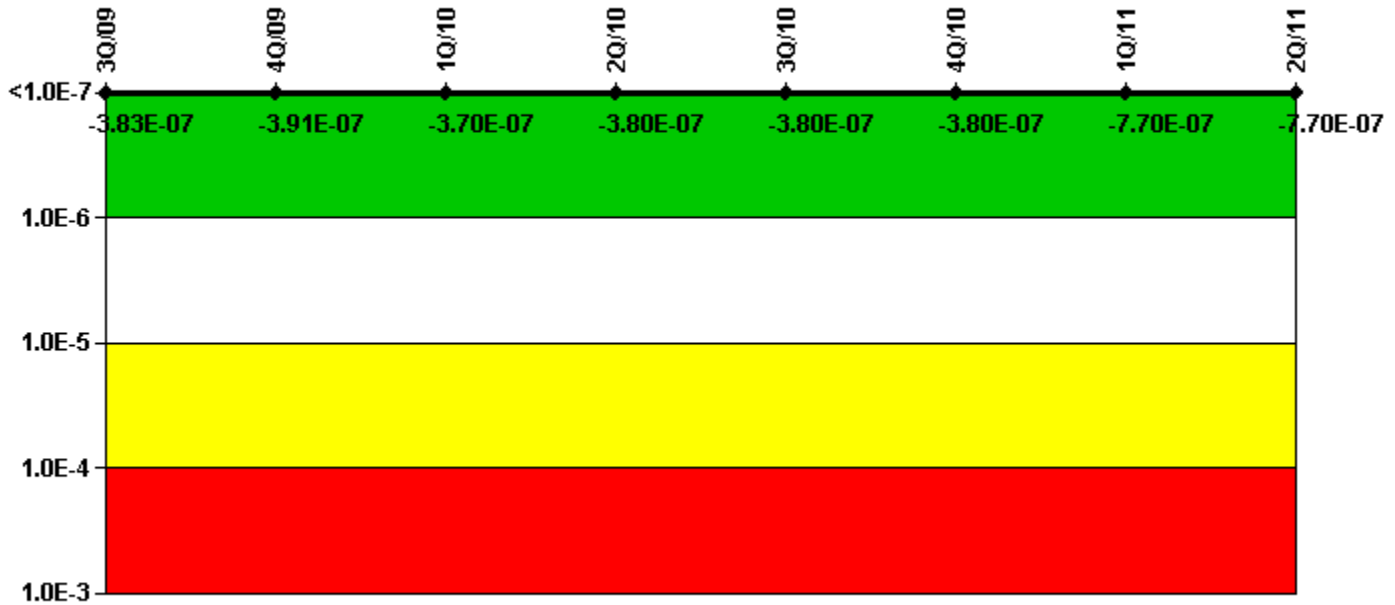
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	-5.80E-08	-5.80E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08
URI ( $\Delta$ CDF)	-1.80E-07	-1.80E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.38E-07	-2.38E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



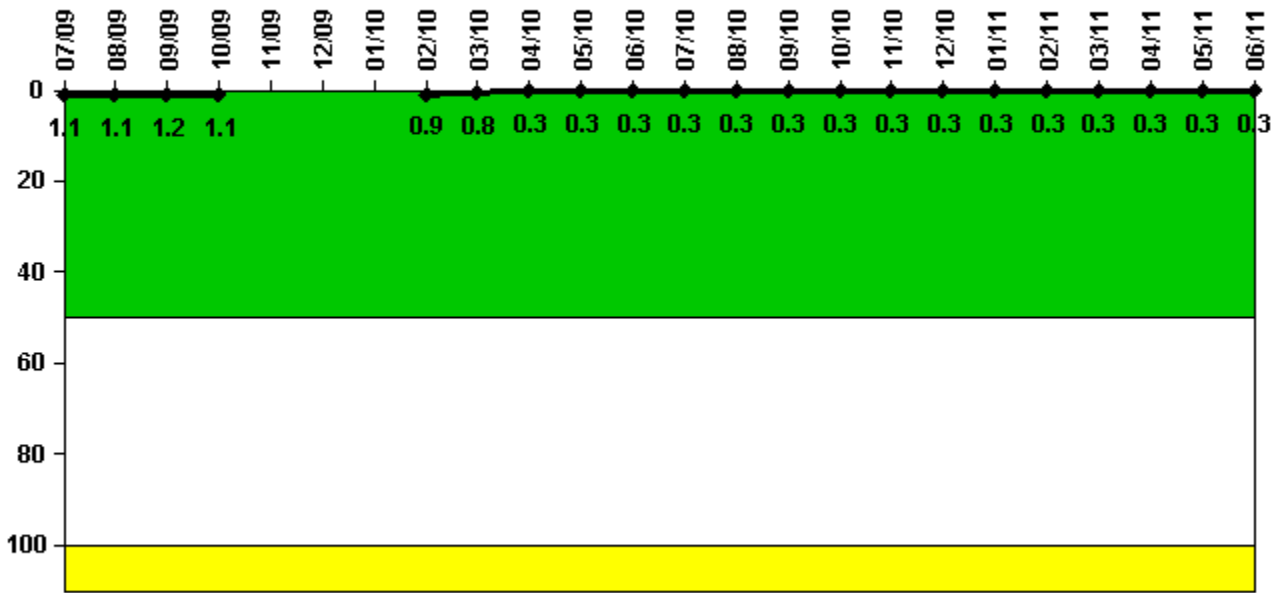
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	3.70E-08	2.90E-08	4.52E-08	3.60E-08	3.60E-08	3.63E-08	-7.47E-09	-7.38E-09
URI ( $\Delta$ CDF)	-4.20E-07	-4.20E-07	-4.19E-07	-4.19E-07	-4.19E-07	-4.19E-07	-7.59E-07	-7.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.83E-07	-3.91E-07	-3.70E-07	-3.80E-07	-3.80E-07	-3.80E-07	-7.70E-07	-7.70E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

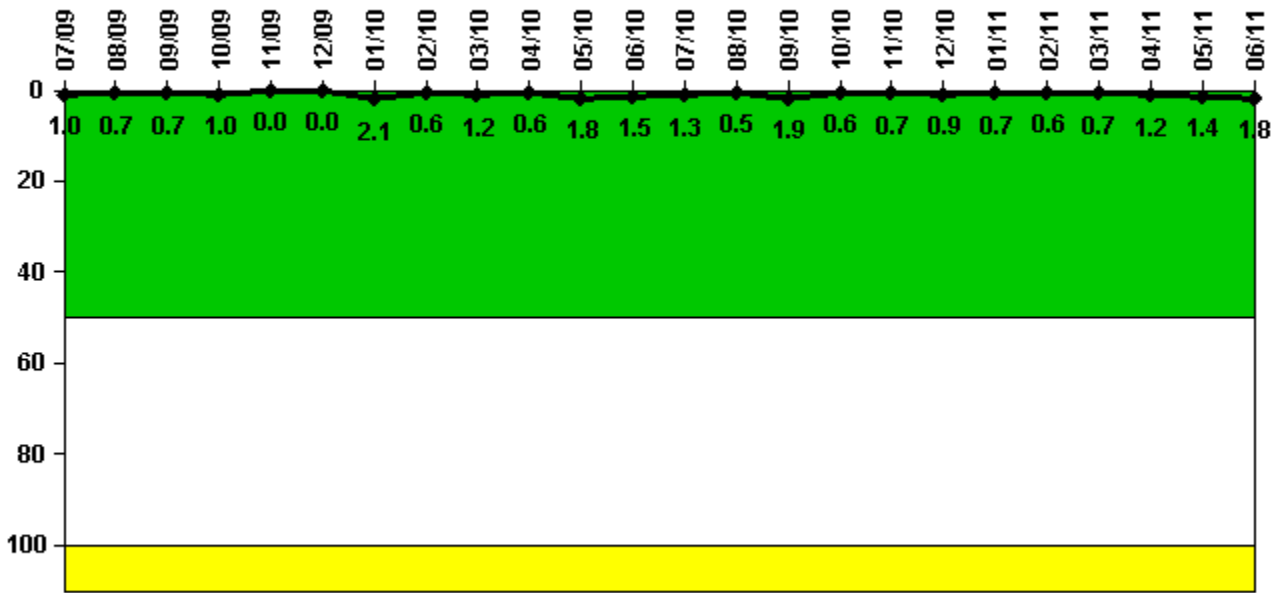
Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.003930	0.003990	0.004160	0.003950	N/A	N/A	N/A	0.003270	0.002790	0.001160	0.001010	0.000996
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.1	1.1	1.2	1.1	N/A	N/A	N/A	0.9	0.8	0.3	0.3	0.3

Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000946	0.000902	0.001030	0.001090	0.001090	0.001020	0.001140	0.001070	0.001060	0.001040	0.001110	0.001180
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Licensee Comments: none

## Reactor Coolant System Leakage



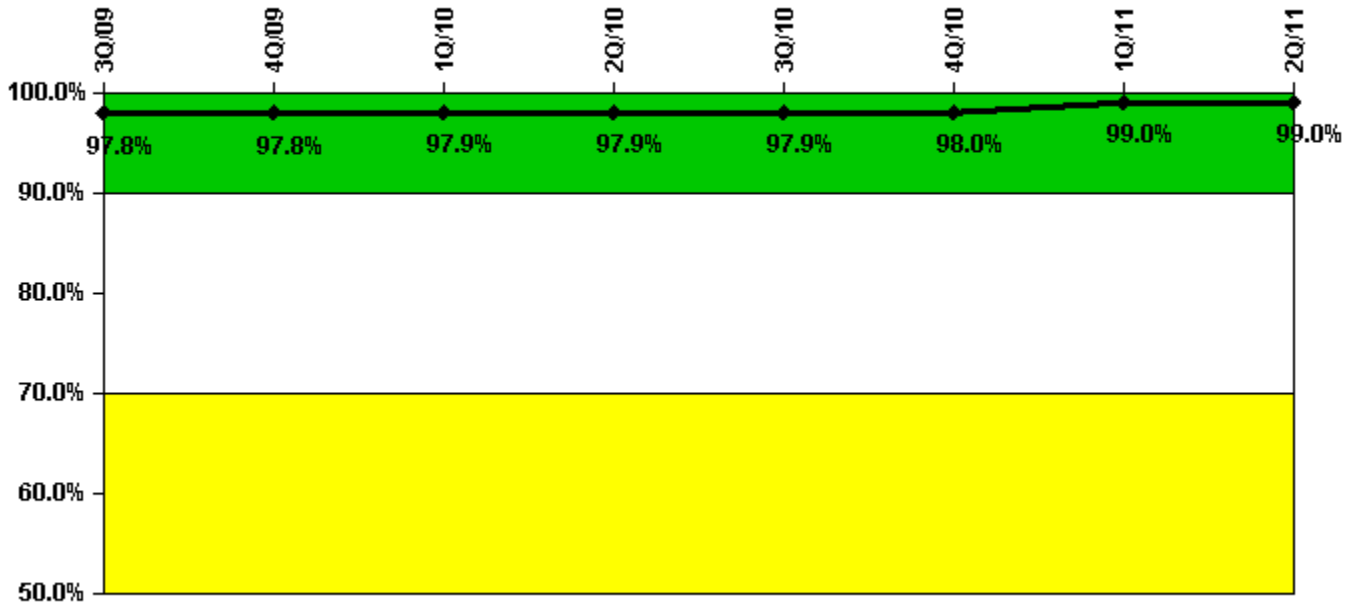
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.098	0.073	0.068	0.098	0	0	0.210	0.058	0.119	0.059	0.177	0.149
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	1.0	0.7	0.7	1.0	0	0	2.1	0.6	1.2	0.6	1.8	1.5
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.131	0.048	0.194	0.062	0.069	0.085	0.071	0.058	0.074	0.122	0.136	0.184
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	1.3	0.5	1.9	0.6	0.7	0.9	0.7	0.6	0.7	1.2	1.4	1.8

Licensee Comments: none

## Drill/Exercise Performance



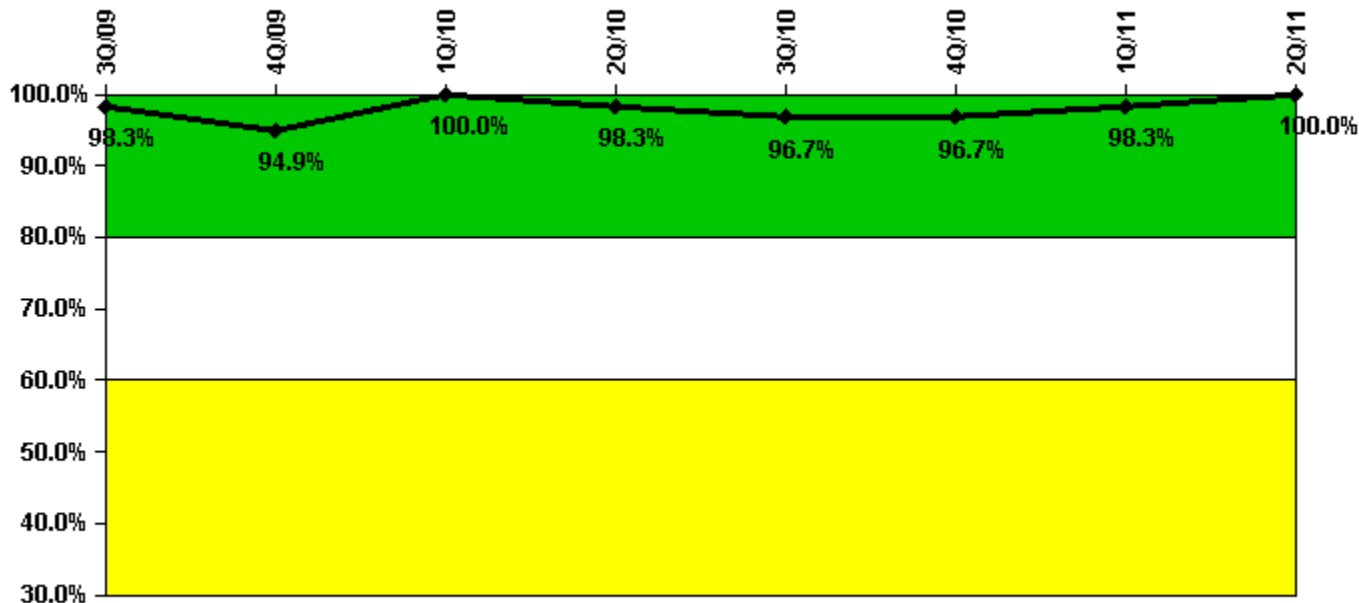
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	43.0	3.0	27.0	29.0	23.0	52.0	67.0	40.0
Total opportunities	43.0	4.0	27.0	30.0	23.0	52.0	68.0	40.0
Indicator value	97.8%	97.8%	97.9%	97.9%	97.9%	98.0%	99.0%	99.0%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	57.0	56.0	60.0	57.0	59.0	58.0	57.0	62.0
Total Key personnel	58.0	59.0	60.0	58.0	61.0	60.0	58.0	62.0
Indicator value	98.3%	94.9%	100.0%	98.3%	96.7%	96.7%	98.3%	100.0%

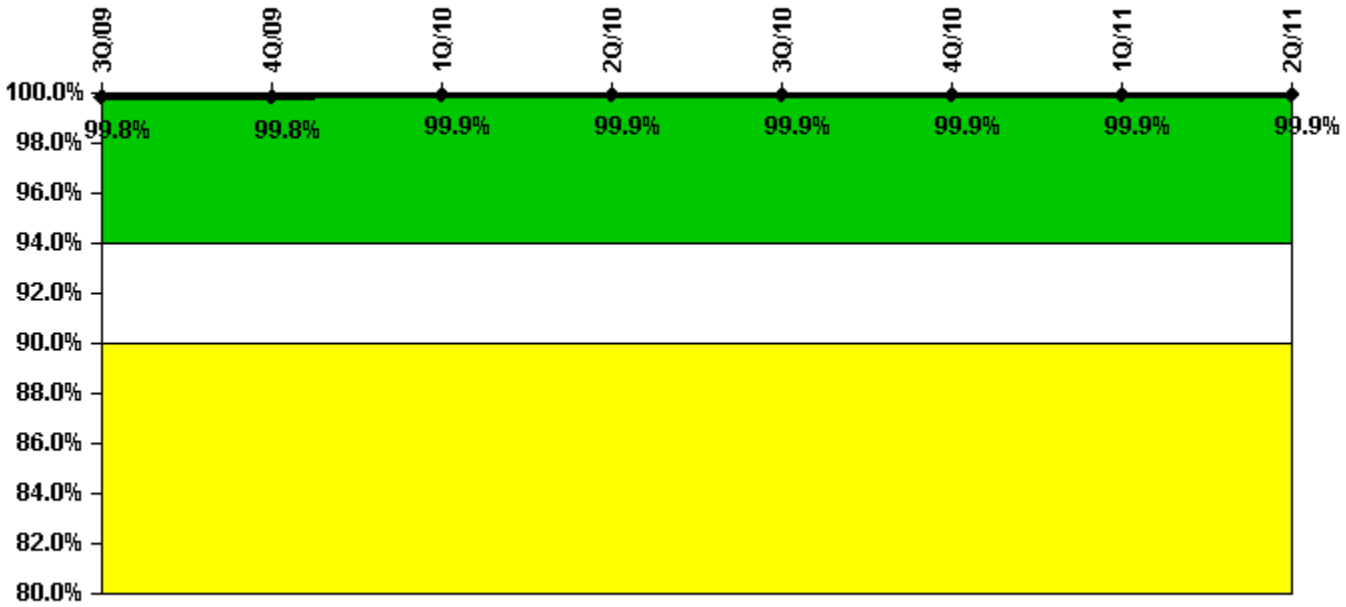
### Licensee Comments:

4Q/10: Credit for the ERO Drill Participation performance indicator was incorrectly applied for newly appointed Key ERO members. The qualification drills for these individuals were counted in this Performance Indicator, but these drills were not evaluated for DEP PI purposes and therefore should not have counted for drill participation per guidance in NEI 99-01 rev 6. Procedures EP-AA-125-1002 and EP-AA-125-1003 did not provide the same level of detail as the NEI 99-1 guidance.

3Q/10: Corrected EOF Director participation, director added in August but did not have a DEP drill and was not included in the total number of ERO members initially reported. EP02 data for 3Q10 is contained in change file dated 01/24/11.

2Q/10: Credit for the ERO Drill Participation performance indicator was incorrectly applied for newly appointed Key ERO members. The qualification drills for these individuals were counted in this Performance Indicator, but these drills were not evaluated for DEP PI purposes and therefore should not have counted for drill participation per guidance in NEI 99-01 rev 6. Procedures EP-AA-125-1002 and EP-AA-125-1003 did not provide the same level of detail as the NEI 99-1 guidance.

# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	1247	1343	1150	1247	1343	1247	1247	1246
Total sirens-tests	1248	1344	1152	1248	1344	1248	1248	1248
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



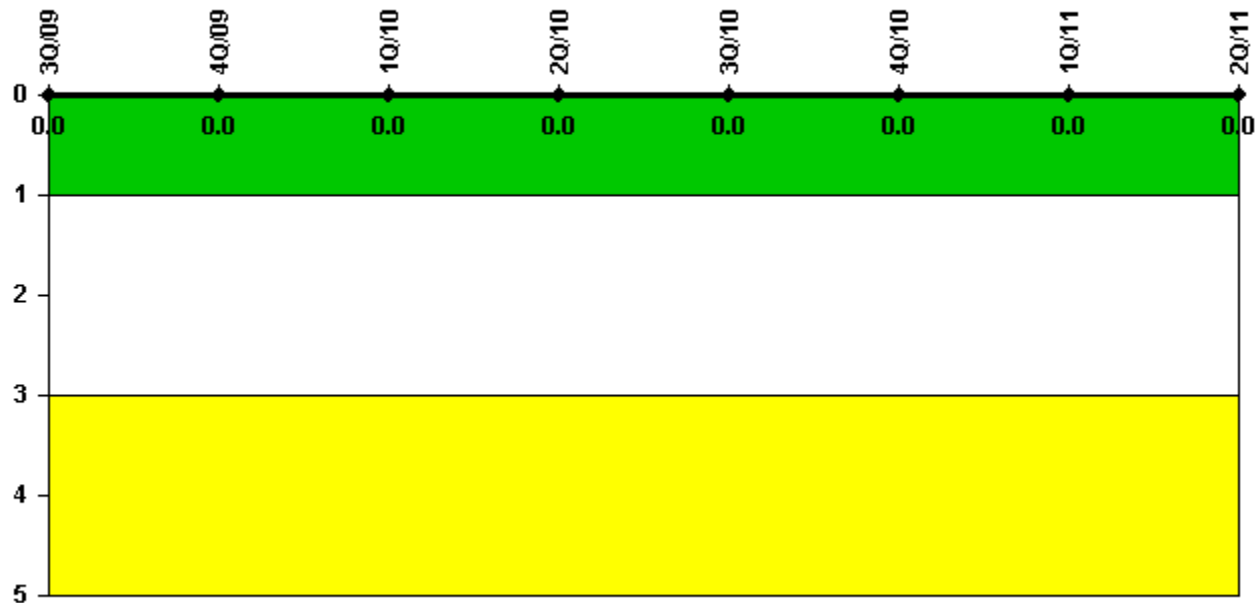
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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.