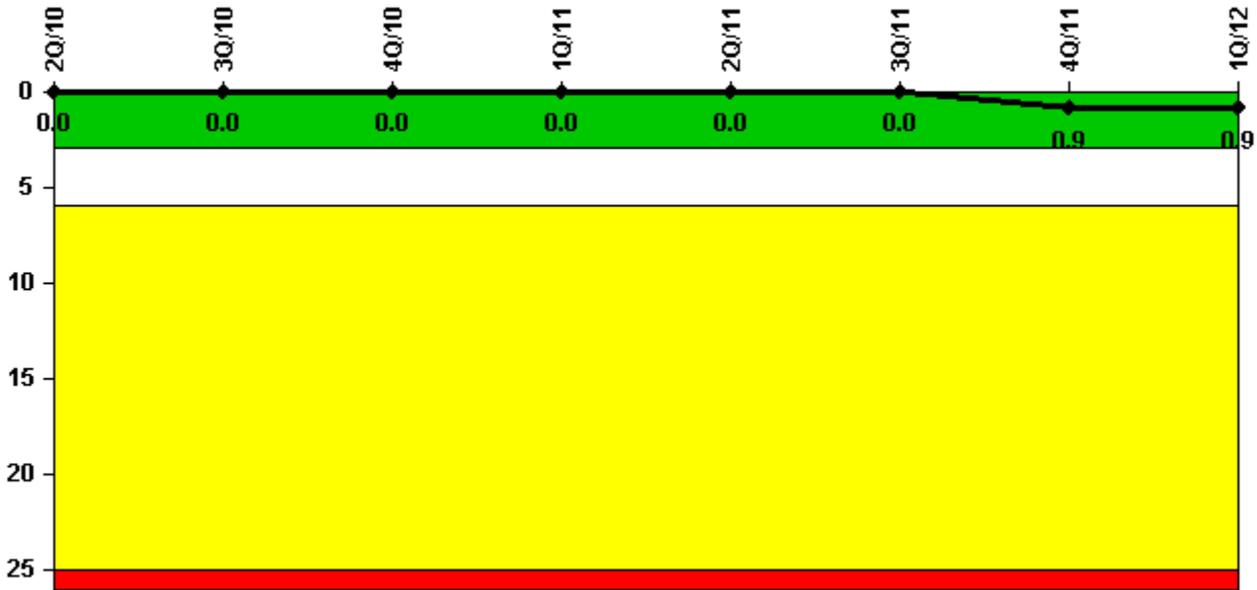


# Hatch 2

## 1Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

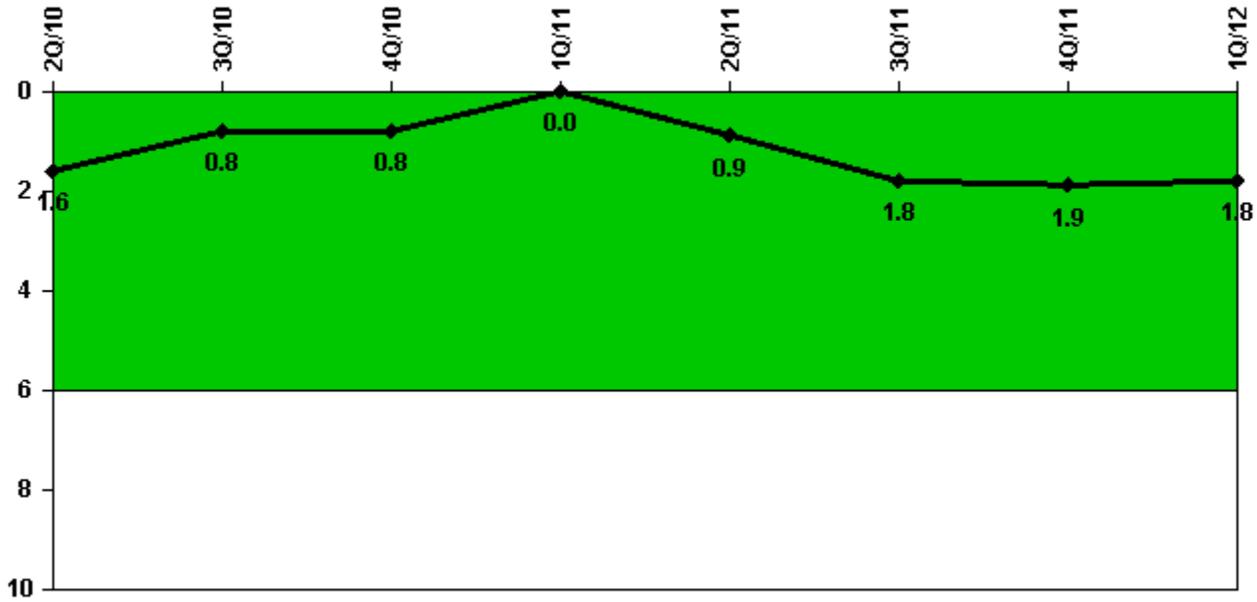
### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1925.1	2208.0	2209.0	2065.1	1324.7	2208.0	1954.3	2183.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

---

## Unplanned Power Changes per 7000 Critical Hrs



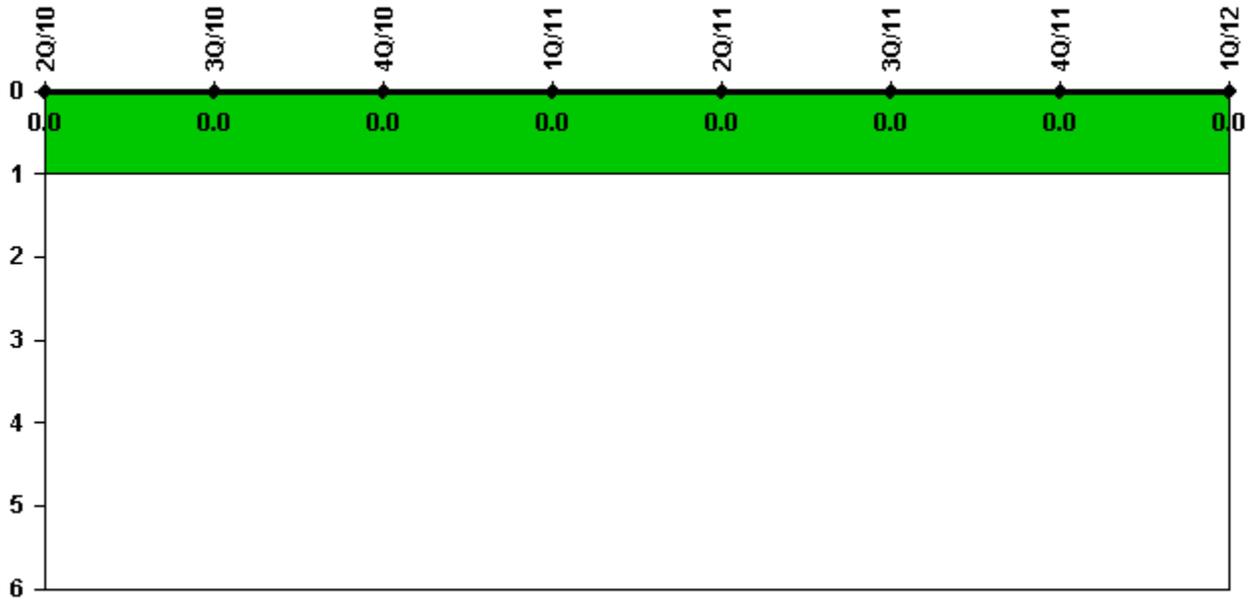
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	1925.1	2208.0	2209.0	2065.1	1324.7	2208.0	1954.3	2183.0
Indicator value	1.6	0.8	0.8	0	0.9	1.8	1.9	1.8

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

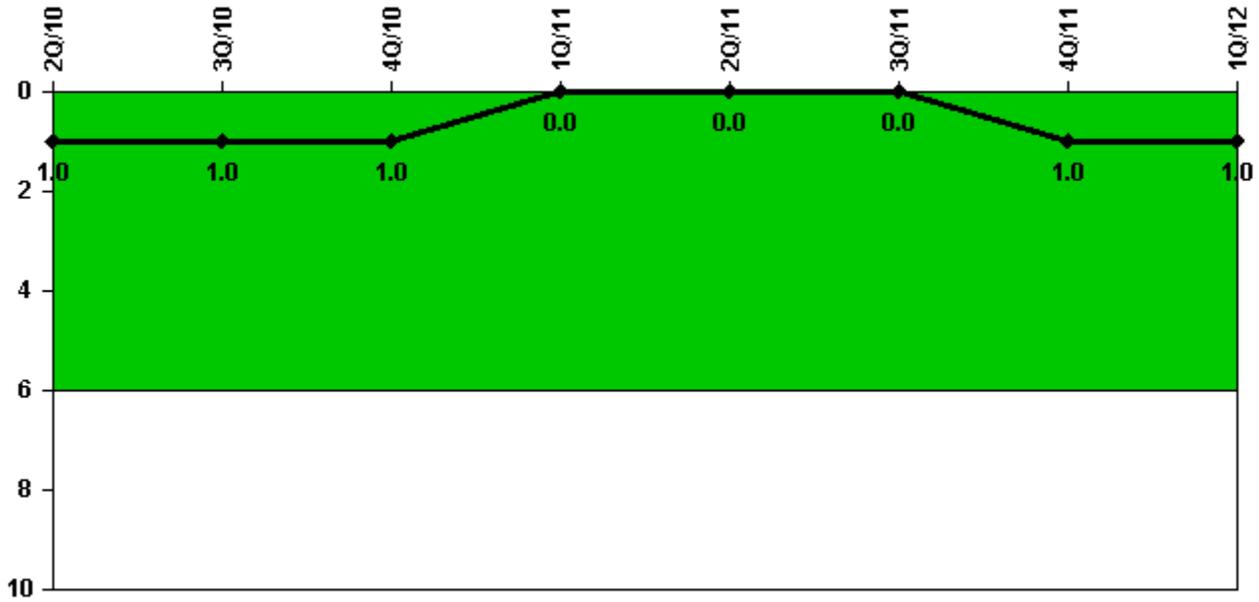
### Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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 (BWR)



Thresholds: White > 6.0

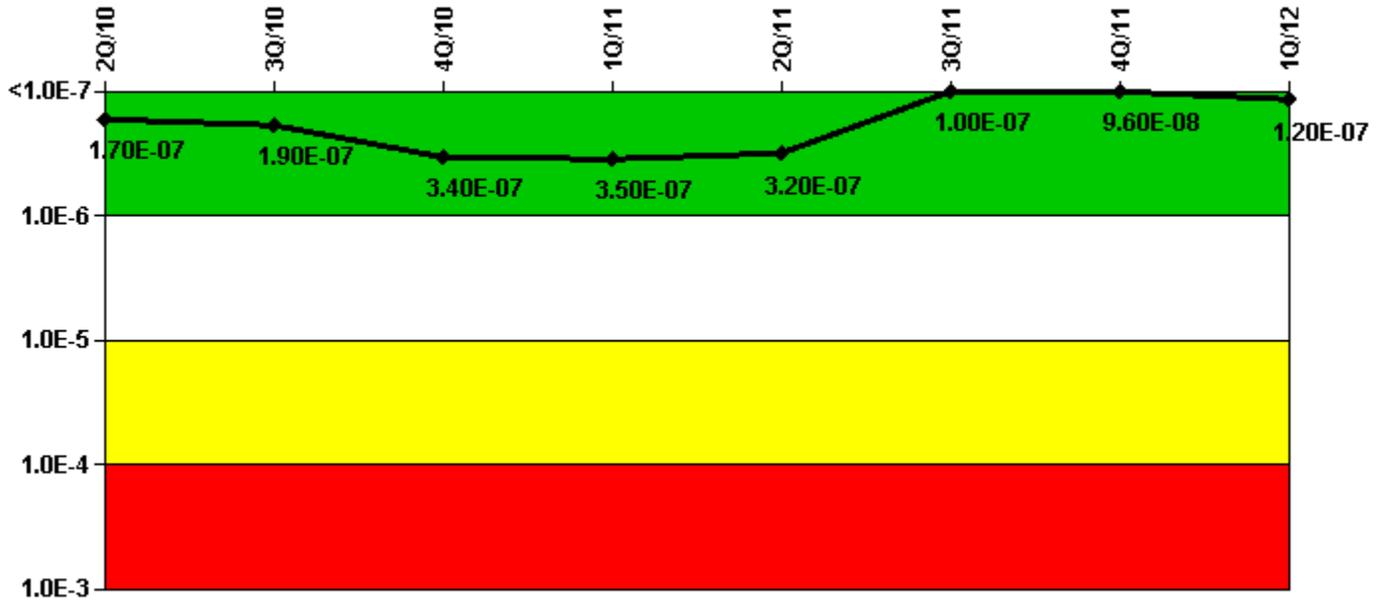
### Notes

Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	1	1	1	0	0	0	1	1

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

# 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	9.03E-08	1.32E-07	2.07E-07	2.22E-07	1.75E-07	1.61E-07	1.60E-07	1.69E-07
URI ( $\Delta$ CDF)	7.51E-08	5.79E-08	1.35E-07	1.30E-07	1.44E-07	-5.97E-08	-6.34E-08	-4.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	1.90E-07	3.40E-07	3.50E-07	3.20E-07	1.00E-07	9.60E-08	1.20E-07

## Licensee Comments:

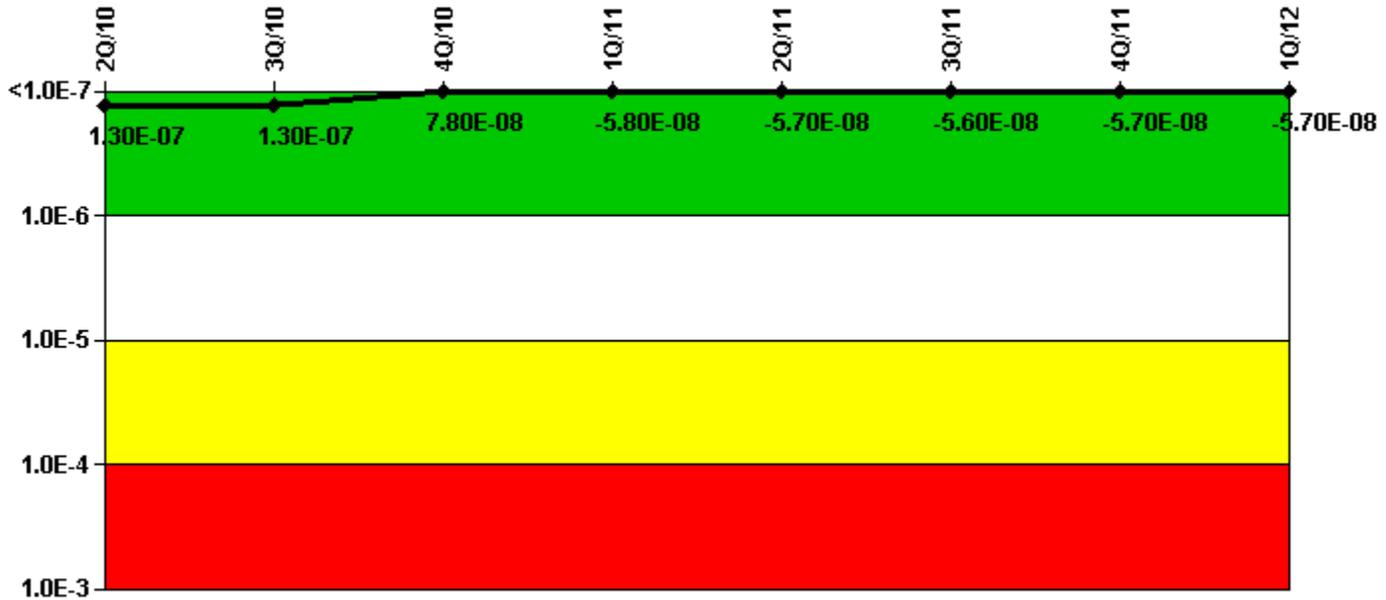
1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Risk Cap Invoked.

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

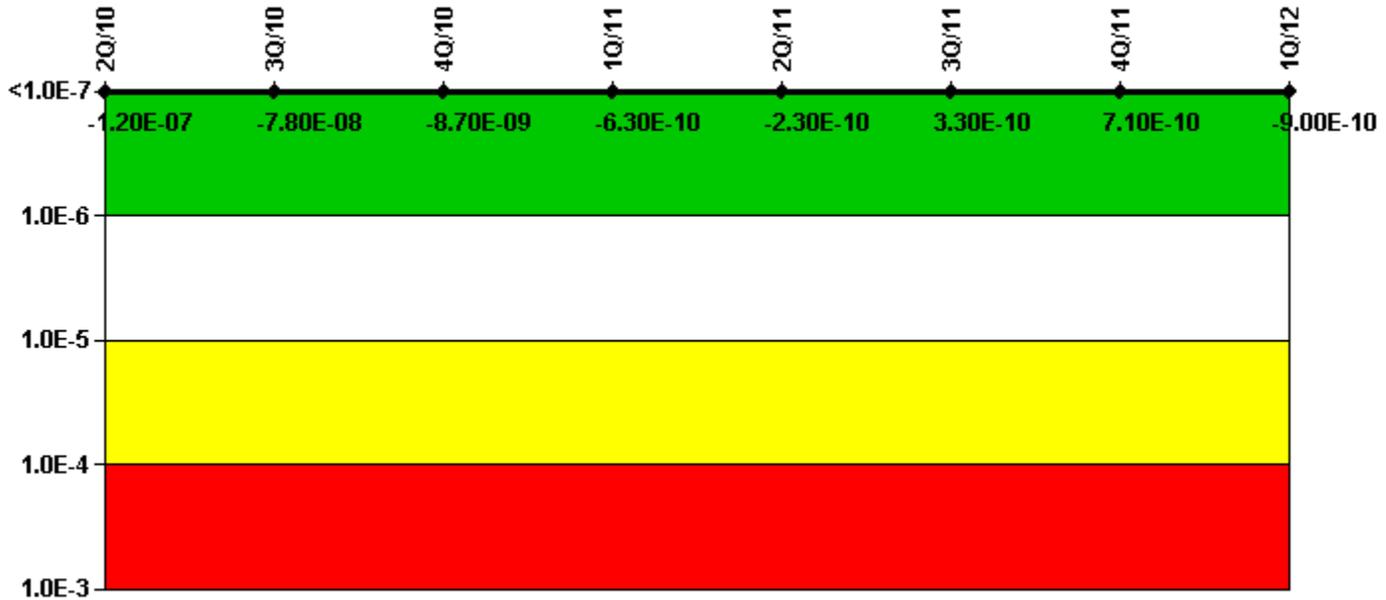
Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	-2.62E-08	-2.62E-08	-1.46E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08
URI ( $\Delta$ CDF)	1.52E-07	1.52E-07	9.27E-08	-3.61E-08	-3.51E-08	-3.37E-08	-3.49E-08	-3.46E-08
PLE	NO							
Indicator value	1.30E-07	1.30E-07	7.80E-08	-5.80E-08	-5.70E-08	-5.60E-08	-5.70E-08	-5.70E-08

## Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

# Mitigating Systems Performance Index, Heat Removal System



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

## Notes

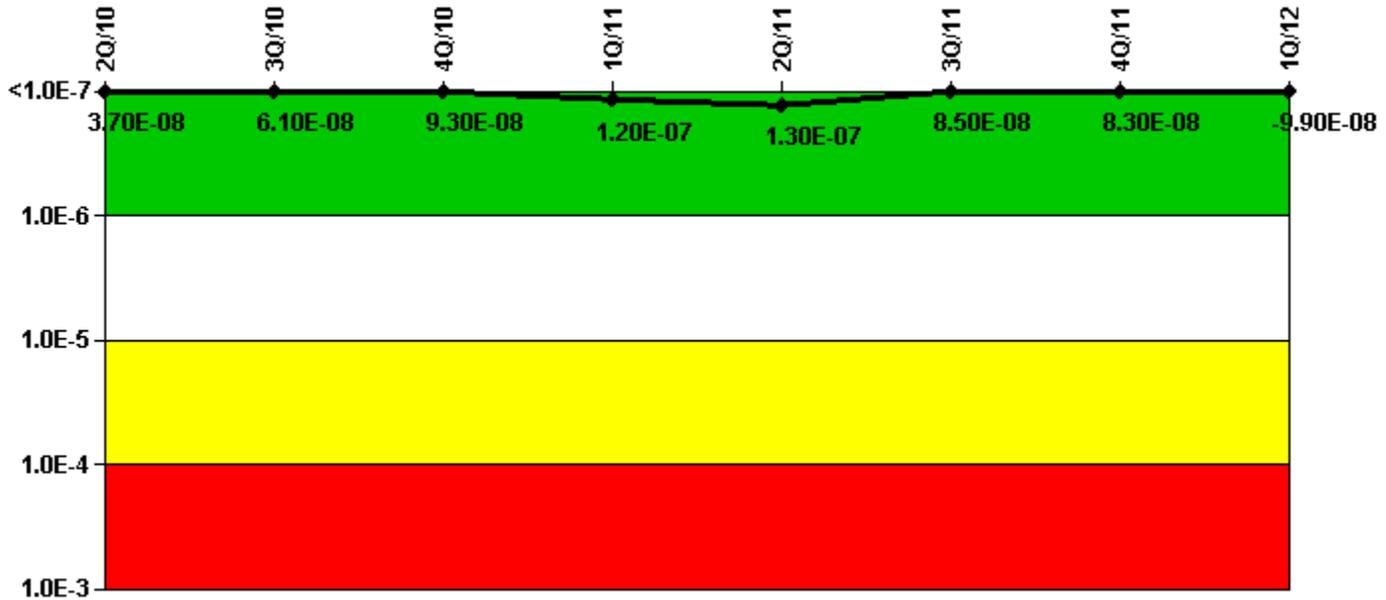
Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	-3.96E-08	5.54E-09	1.01E-08	1.51E-08	1.61E-08	1.56E-08	1.60E-08	1.43E-08
URI ( $\Delta$ CDF)	-7.92E-08	-8.34E-08	-1.88E-08	-1.57E-08	-1.63E-08	-1.53E-08	-1.53E-08	-1.52E-08
PLE	NO							
Indicator value	-1.20E-07	-7.80E-08	-8.70E-09	-6.30E-10	-2.30E-10	3.30E-10	7.10E-10	-9.00E-10

## Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

## Notes

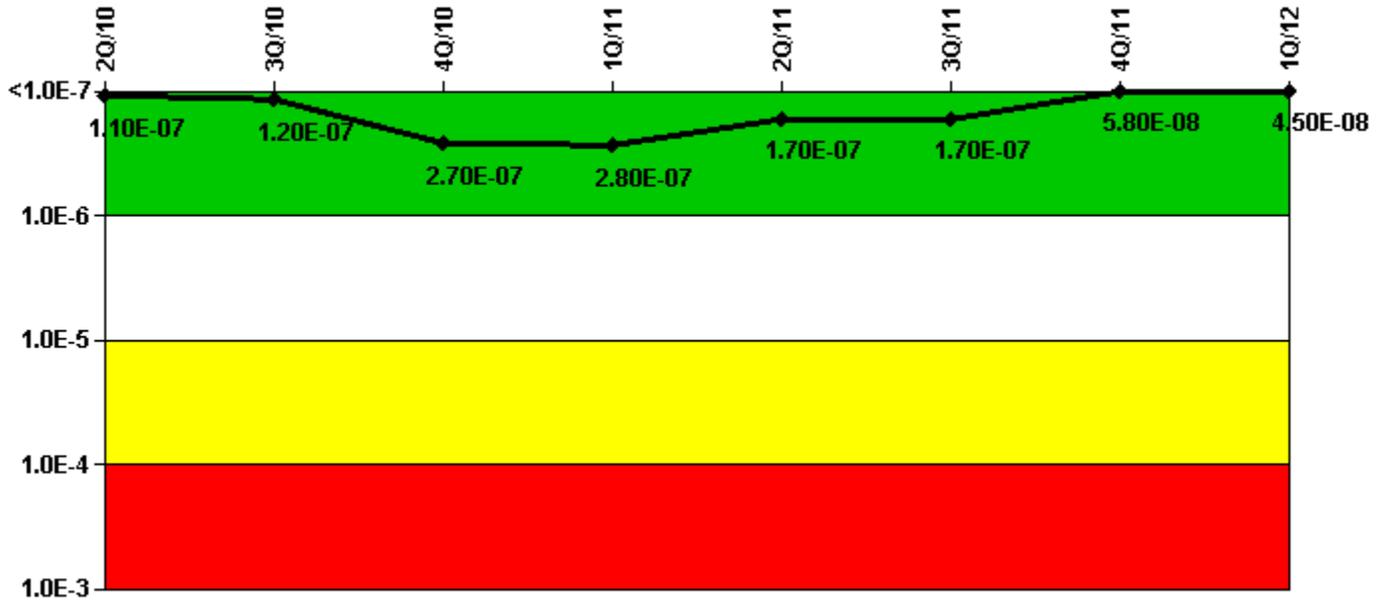
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	8.17E-09	3.29E-08	5.86E-08	6.81E-08	7.23E-08	2.03E-08	2.13E-08	1.69E-08
URI ( $\Delta$ CDF)	2.89E-08	2.82E-08	3.47E-08	4.73E-08	5.41E-08	6.51E-08	6.14E-08	-1.16E-07
PLE	NO							
Indicator value	3.70E-08	6.10E-08	9.30E-08	1.20E-07	1.30E-07	8.50E-08	8.30E-08	-9.90E-08

## Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

# 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	6.57E-08	6.63E-08	1.40E-07	1.41E-07	7.78E-08	7.80E-08	5.26E-08	3.55E-08
URI (ΔCDF)	4.64E-08	4.87E-08	1.32E-07	1.37E-07	8.92E-08	9.28E-08	5.08E-09	9.56E-09
PLE	NO							
Indicator value	1.10E-07	1.20E-07	2.70E-07	2.80E-07	1.70E-07	1.70E-07	5.80E-08	4.50E-08

## Licensee Comments:

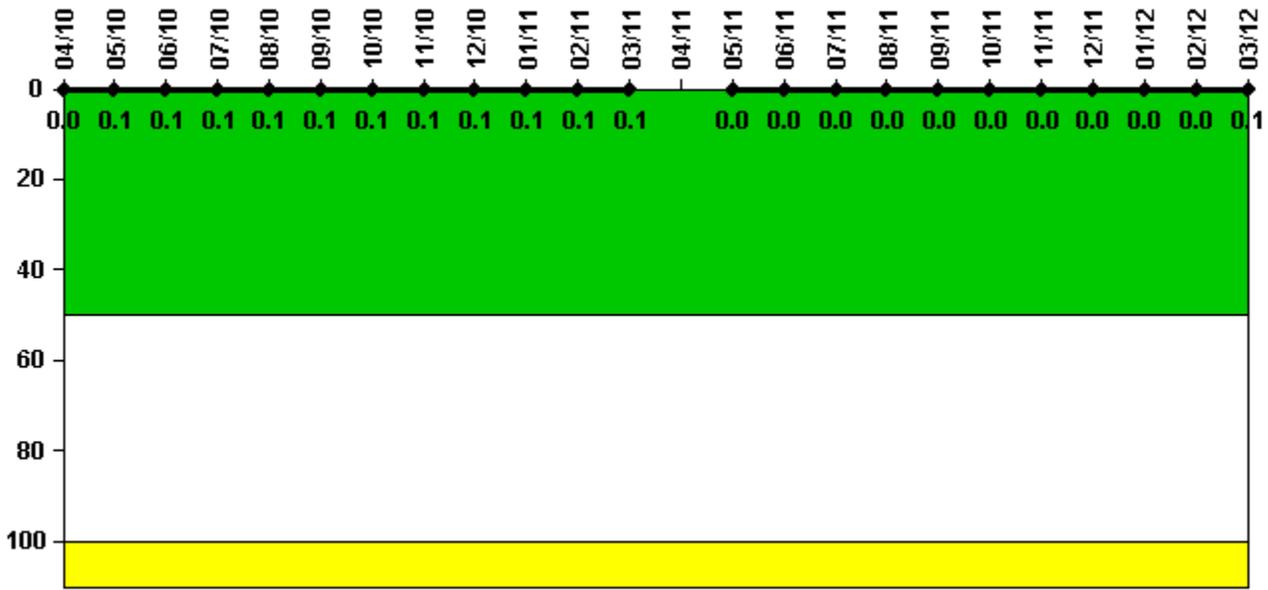
1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Changed PRA Parameter(s). Update for change file: Version D of the Basis Document shows that the FVUAP values for Unit 2 RHRSW divisions 1 and 2 should be 3.90e-02 and 7.22e-02, respectively. However, the January Unit 2 Cooling Water Derivation Report shows that the FVUAP values for U2 RHRSW divisions 1 and 2 are still Version C values. Since the values in Version E of the Basis Document went into effect October 2010, the FVUAP values were overridden from January 2009 through September 2010 for U2 RHRSW Divisions 1 and 2 to be 3.90e-02 and 7.22e-02, as described in Version D of the Basis. This change did not affect the ???color??? of the indicator.

2Q/10: Changed PRA Parameter(s).

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

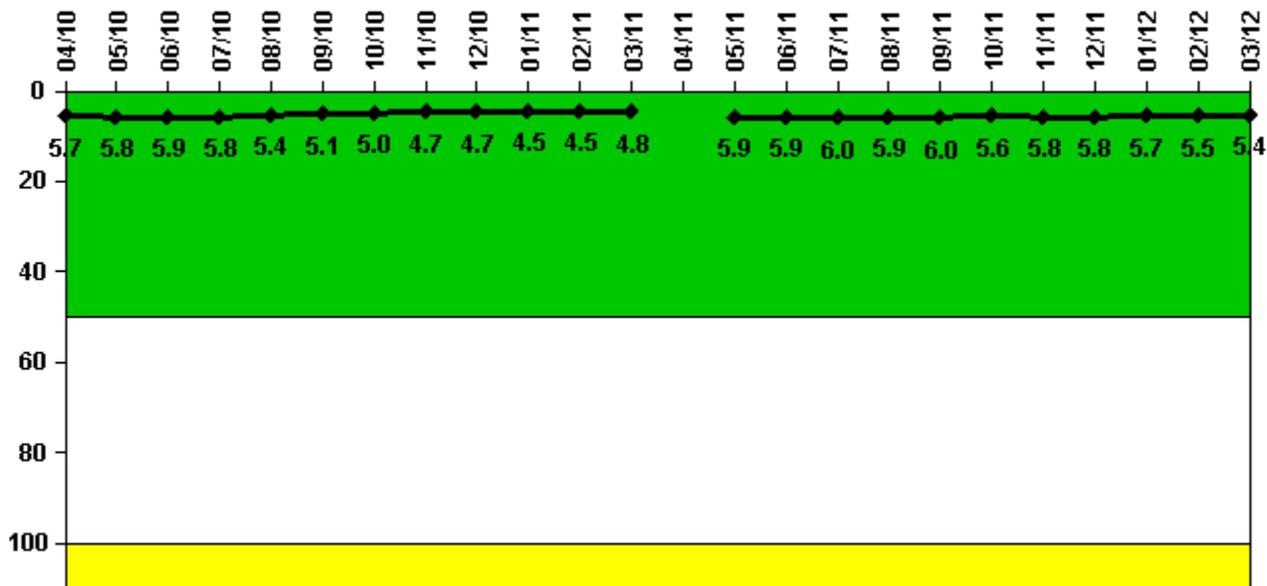
## Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000075	0.000125	0.000113	0.000127	0.000143	0.000143	0.000136	0.000128	0.000126	0.000121	0.000115	0.000111
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	N/A	0.000045	0.000054	0.000058	0.000060	0.000048	0.000038	0.000084	0.000048	0.000062	0.000064	0.000116
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	0	0	0	0.1

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

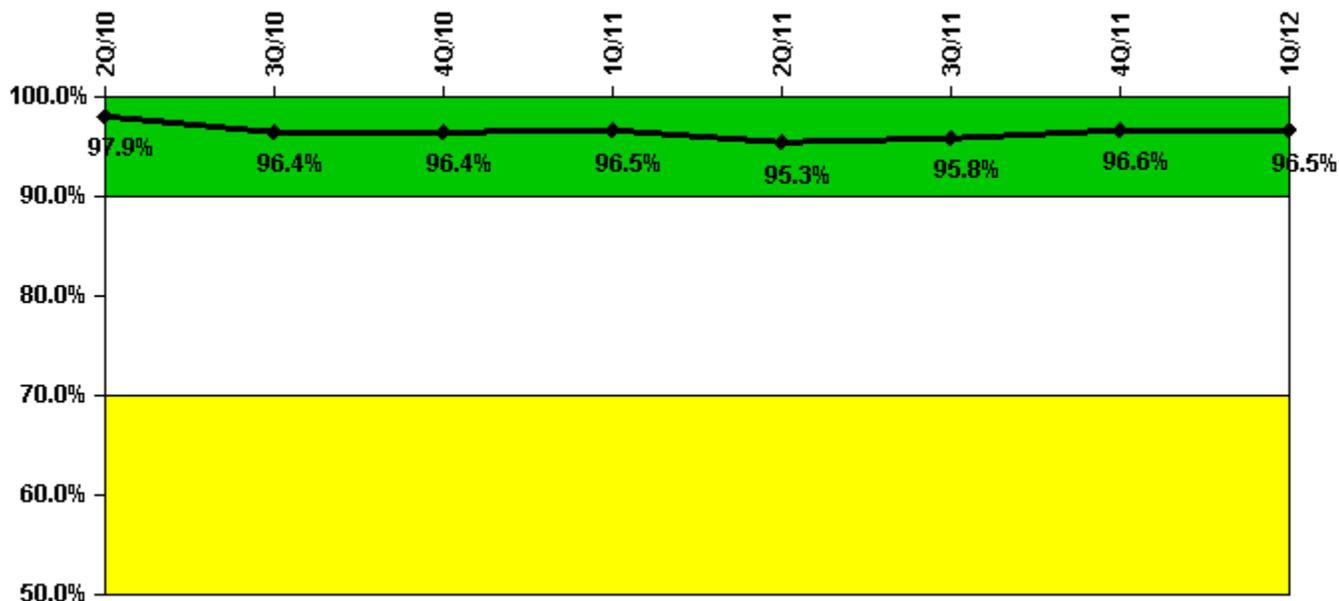
### Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	1.720	1.750	1.770	1.740	1.610	1.520	1.500	1.420	1.420	1.350	1.360	1.440
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	5.9	5.8	5.4	5.1	5.0	4.7	4.7	4.5	4.5	4.8
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	N/A	1.770	1.770	1.790	1.770	1.790	1.690	1.730	1.730	1.710	1.650	1.620
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	5.9	5.9	6.0	5.9	6.0	5.6	5.8	5.8	5.7	5.5	5.4

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

### Notes

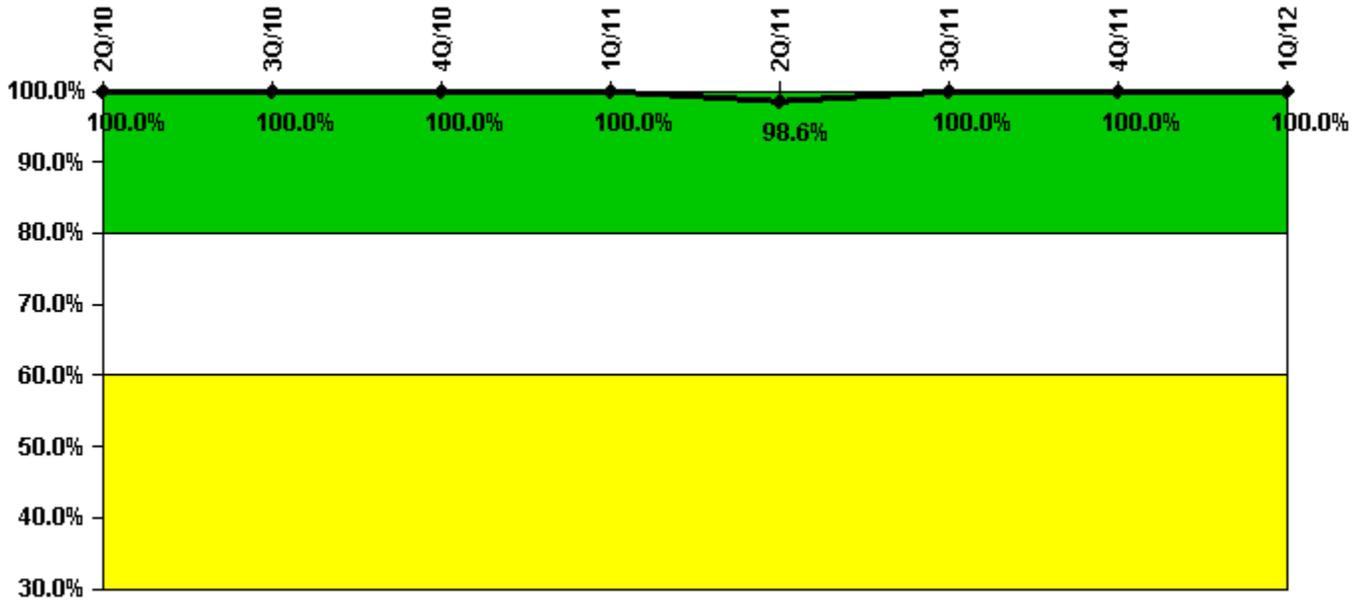
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	27.0	38.0	8.0	6.0	30.0	27.0	20.0	10.0
Total opportunities	28.0	40.0	8.0	6.0	32.0	27.0	21.0	10.0
Indicator value	97.9%	96.4%	96.4%	96.5%	95.3%	95.8%	96.6%	96.5%

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	135.0	136.0	138.0	134.0	141.0	145.0	150.0	150.0
Total Key personnel	135.0	136.0	138.0	134.0	143.0	145.0	150.0	150.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.6%	100.0%	100.0%	100.0%

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests								
Total sirens-tests								
Indicator value								

#### Licensee Comments:

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

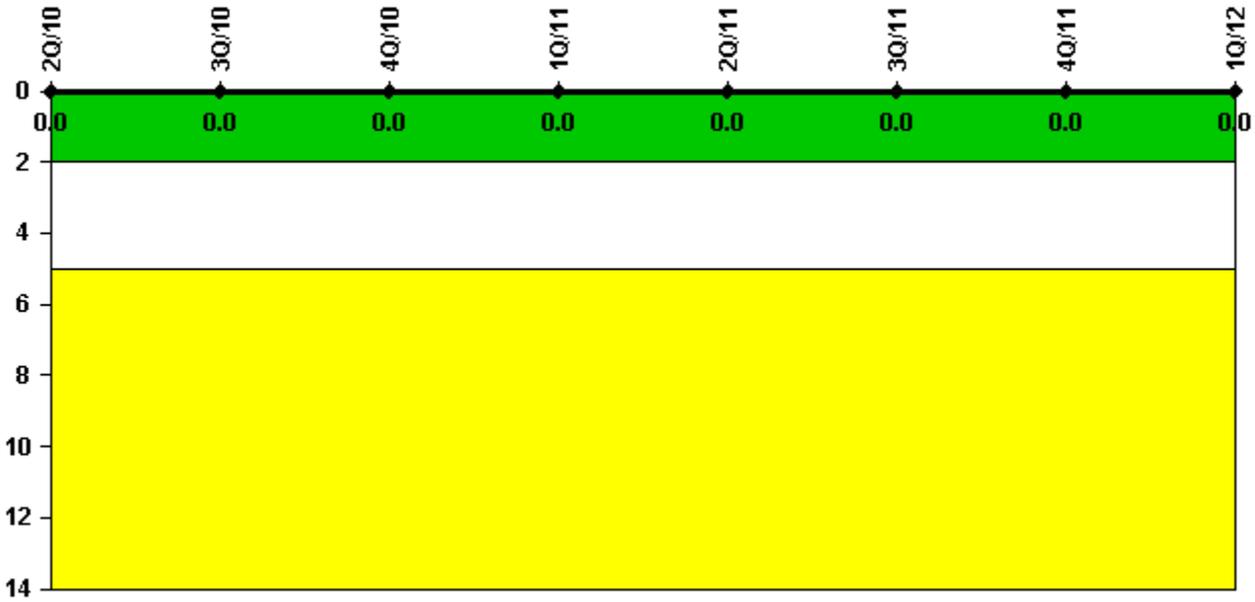
4Q/10: Plant Hatch does not use sirens as an emergency notificaton system.

3Q/10: Plant Hatch does not use sirens as an emergency notification system.

2Q/10: Plant Hatch does not use sirens as an emergency notification system.

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# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

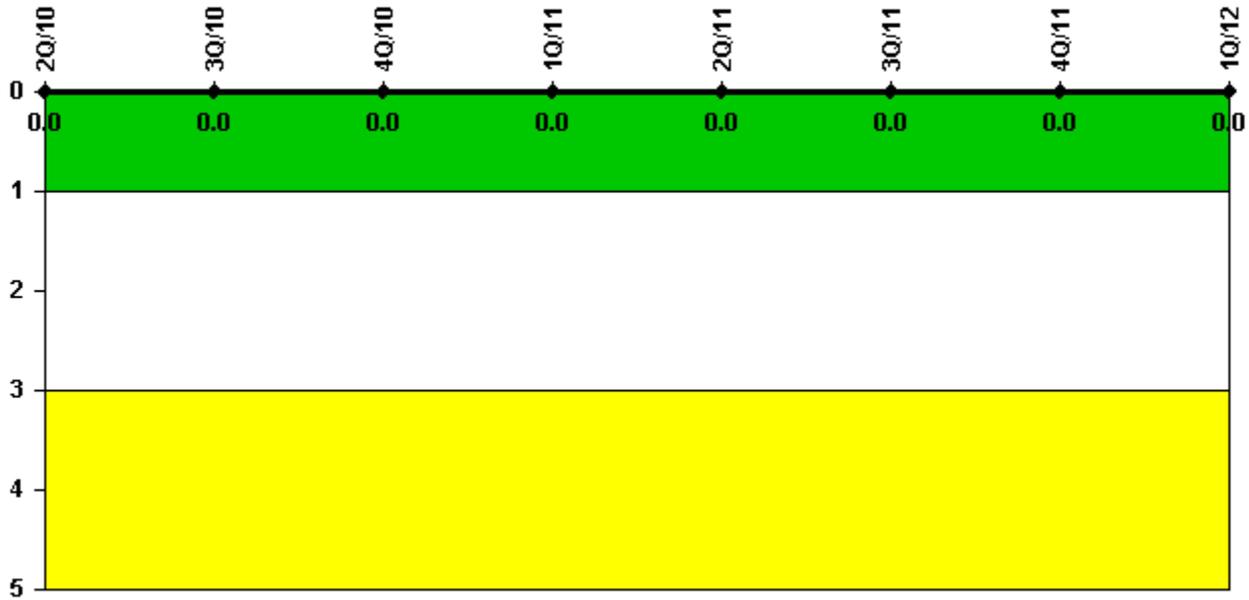
## Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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>							

Licensee Comments: none

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## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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.