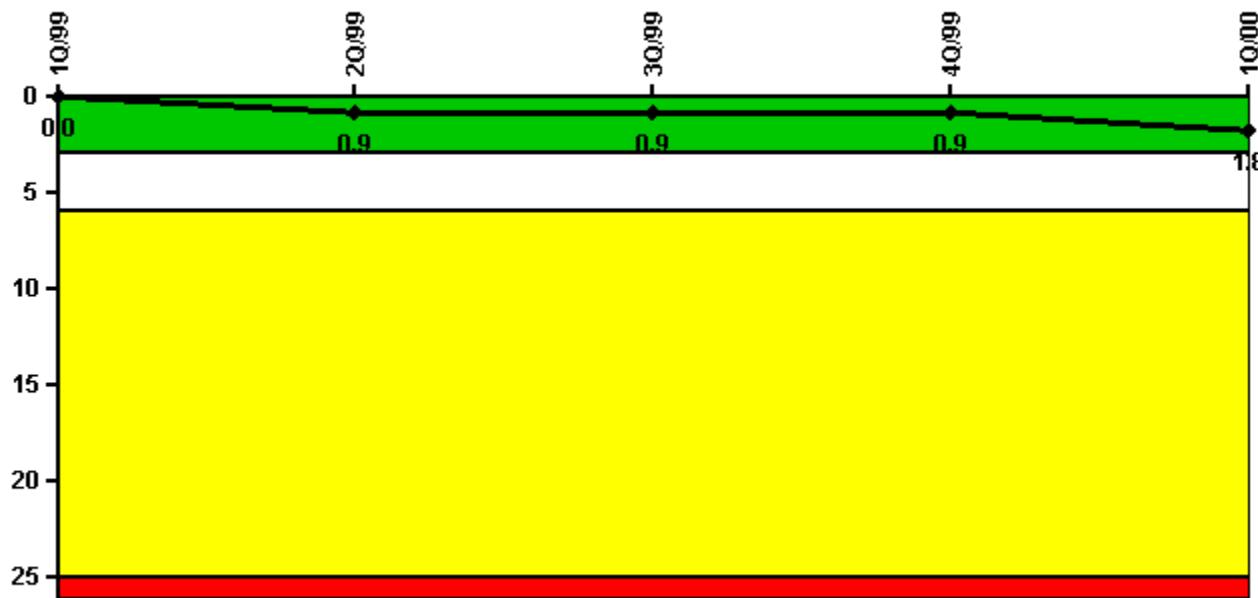


**Hatch 1****1Q/2000 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	1.0	0	0	1.0
Critical hours	1415.1	1590.7	2208.0	2209.0	1965.4
Indicator value	0	0.9	0.9	0.9	1.8

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

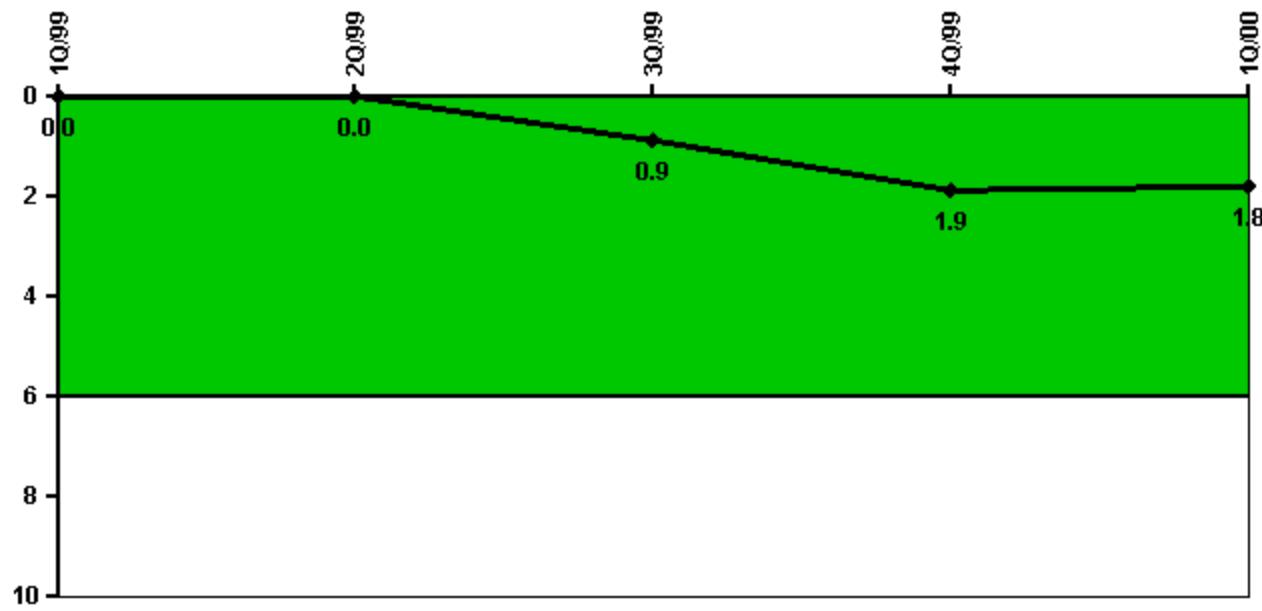
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	1.0
Indicator value				0	1.0

Licensee Comments: none

---

**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	1.0	1.0	0
Critical hours	1415.1	1590.7	2208.0	2209.0	1965.4
Indicator value	0	0	0.9	1.9	1.8

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

<b>Safety System Unavailability, Emergency AC Power, &gt;2EDG</b>		<b>1Q/99</b>	<b>2Q/99</b>	<b>3Q/99</b>	<b>4Q/99</b>	<b>1Q/00</b>
<b>Train 1</b>						
Planned unavailable hours		0	4.37	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>						
Planned unavailable hours		0	10.30	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 3</b>						
Planned unavailable hours		0	79.00	0	0	11.95
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>				<b>0.4%</b>	<b>0.4%</b>	

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	30.82	33.60	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1415.08	1590.65	2208.00	2209.00	1965.40
<b>Indicator value</b>				<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	29.65	0	0	0	0.50
Unplanned unavailable hours	0	18.45	0	0	0.13
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1415.08	1590.65	2208.00	2209.00	1965.40
<b>Indicator value</b>				0.7%	0.5%

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

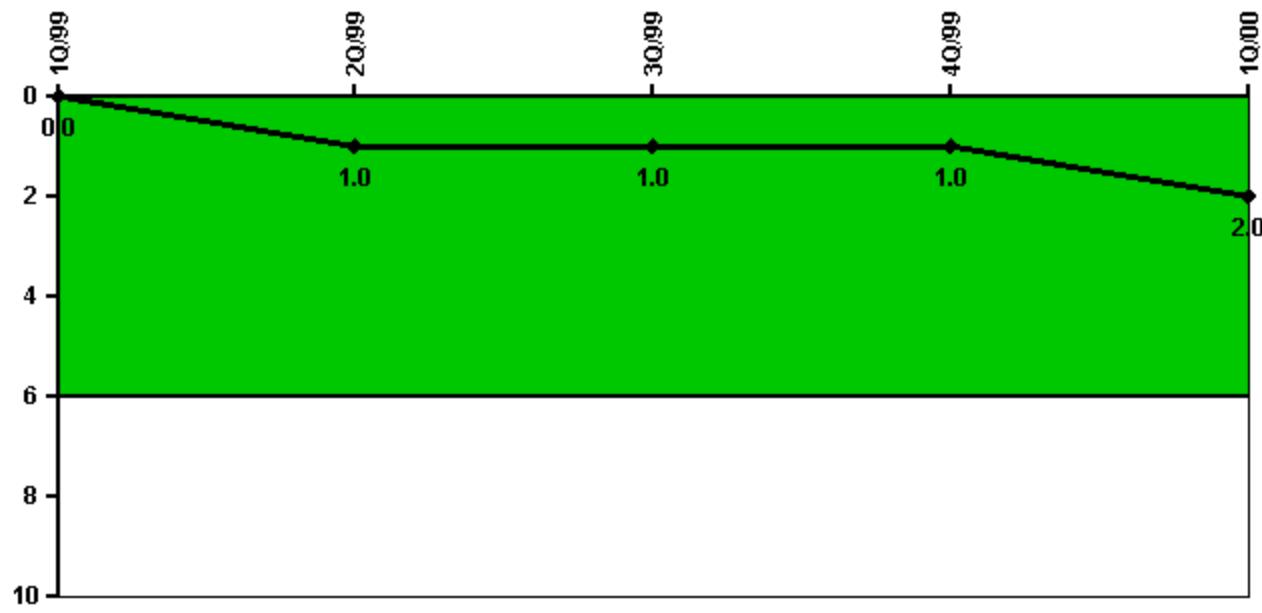


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System		1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>						
Planned unavailable hours		22.62	15.00	0	0	22.33
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>						
Planned unavailable hours		18.47	5.12	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>					<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

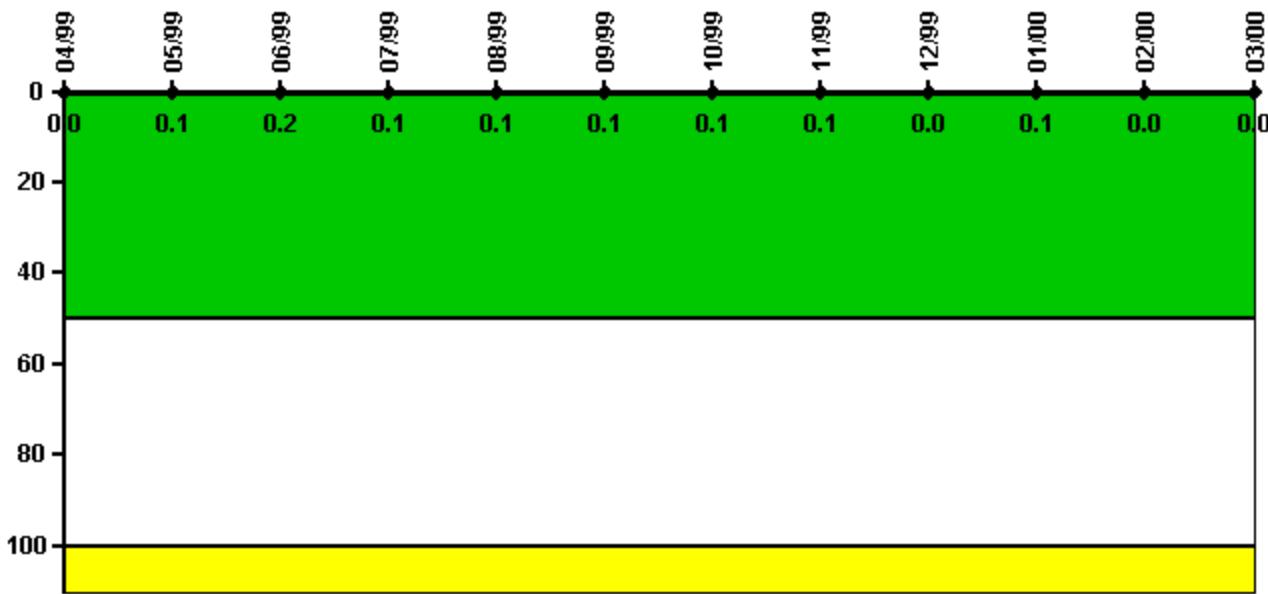
**Notes**

Safety System Functional Failures (BWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	0	1	0	0	1
Indicator value	0	1	1	1	2

Licensee Comments: none

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### Reactor Coolant System Activity



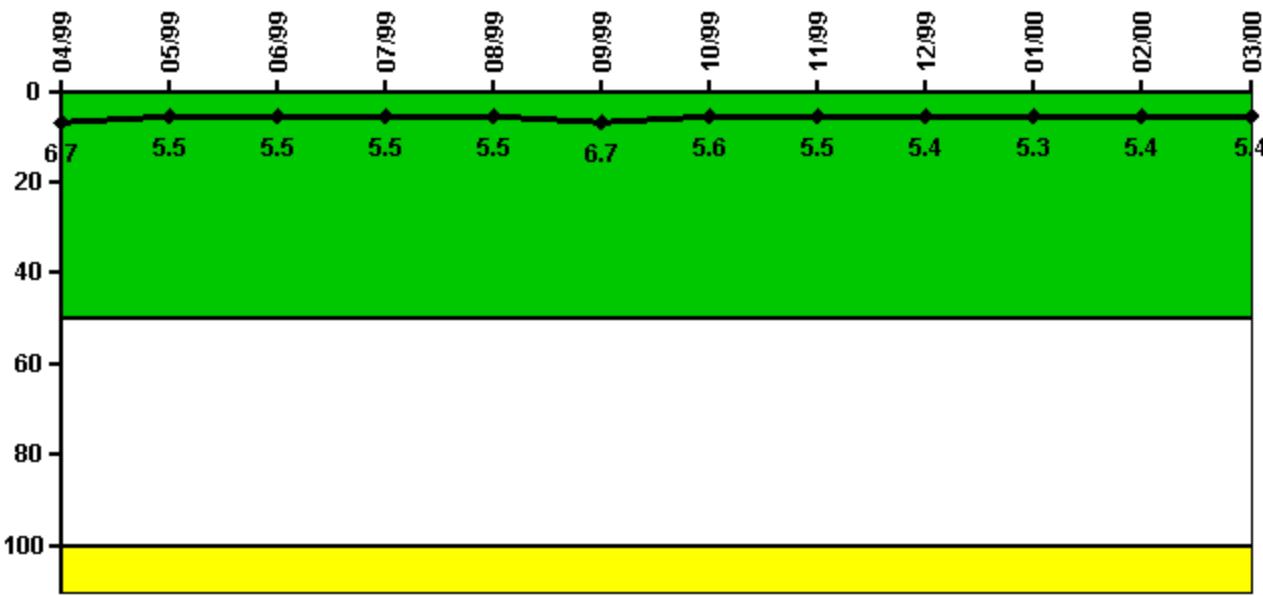
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0	0.000280	0.000490	0.000250	0.000120	0.000190	0.000170	0.000140	0.000070	0.0000270	0.000050	0.000060
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	0.2	0.1	0.1	0.1	0.1	0.1	0	0.1	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

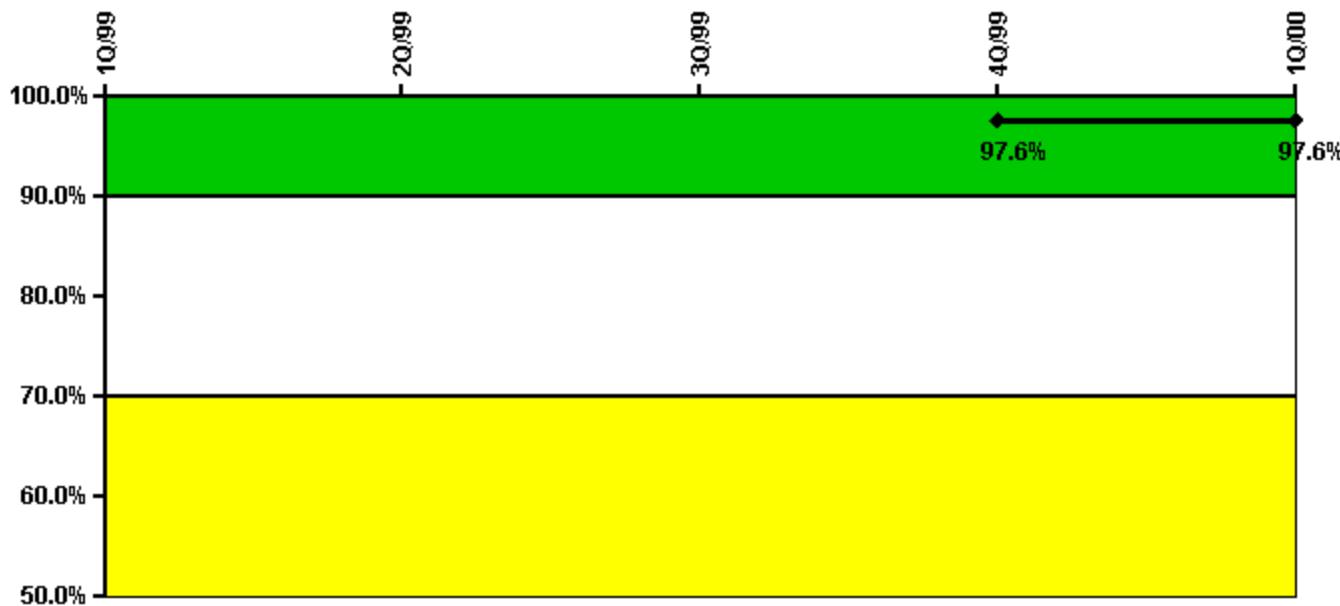


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	2.000	1.660	1.640	1.660	1.640	2.020	1.670	1.640	1.620	1.600	1.610	1.610
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	6.7	5.5	5.5	5.5	5.5	6.7	5.6	5.5	5.4	5.3	5.4	5.4

Licensee Comments: none

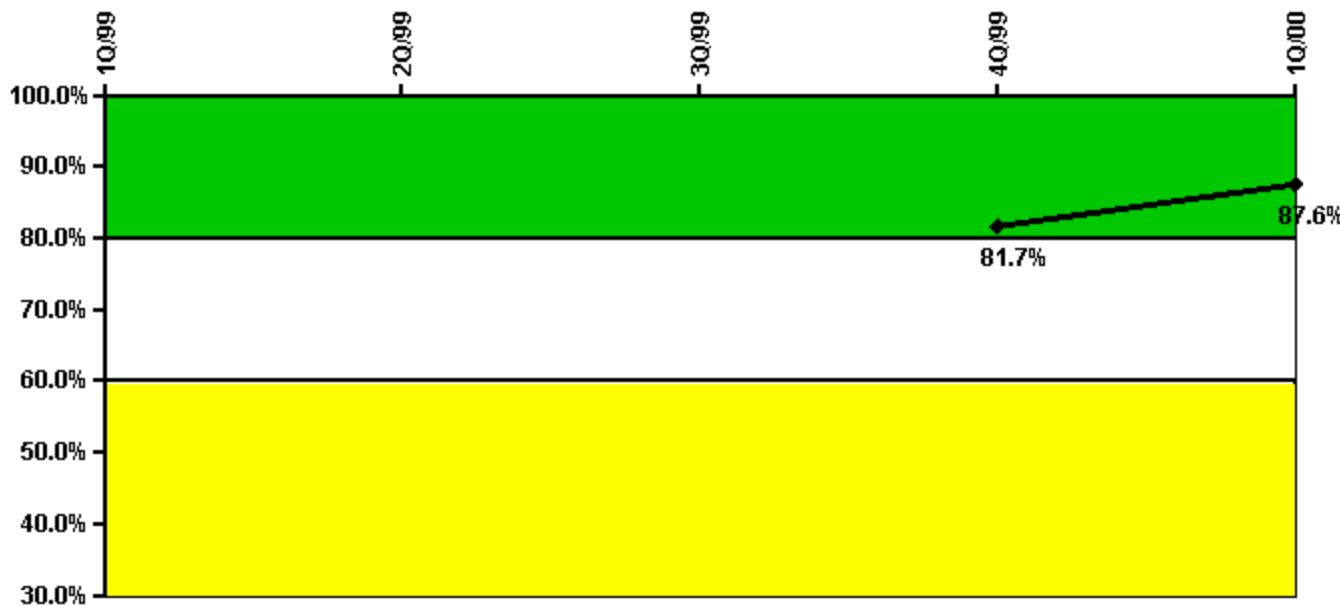
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	0	34.0	14.0	2.0
Total opportunities	0	0	34.0	14.0	2.0
Indicator value				97.6%	97.6%

Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				94.0	99.0
Total Key personnel				115.0	113.0
Indicator value				81.7%	87.6%

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.**

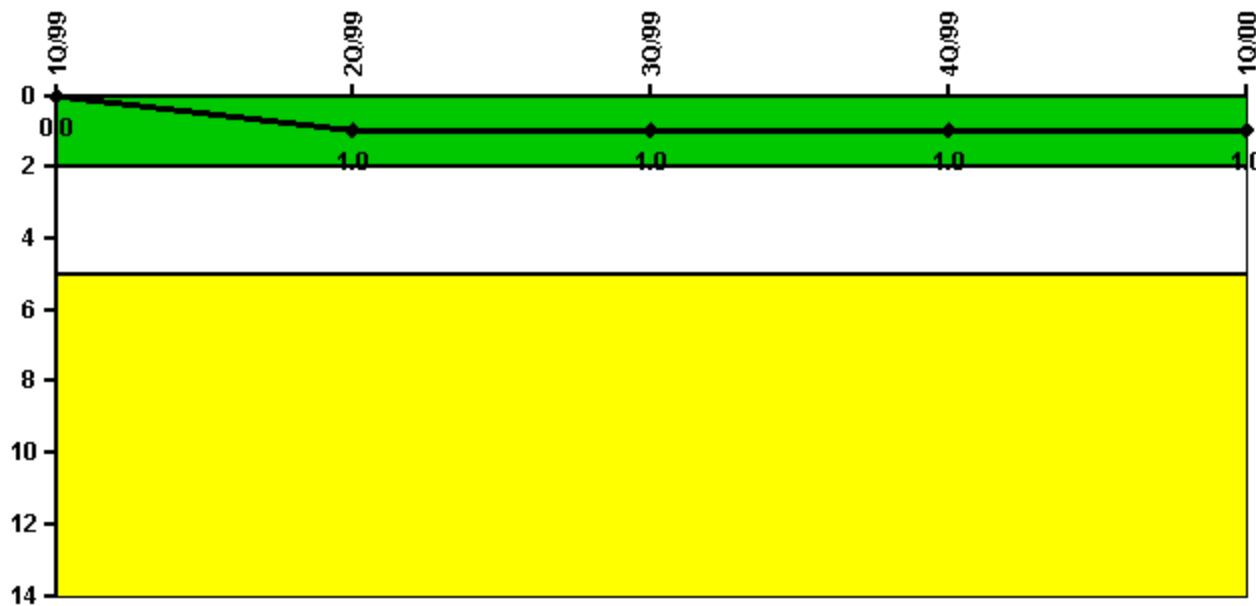
### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/99</b>	<b>2Q/99</b>	<b>3Q/99</b>	<b>4Q/99</b>	<b>1Q/00</b>
Successful siren-tests					
Total sirens-tests					
<b>Indicator value</b>					

Licensee Comments:

1Q/00: Plant Hatch does not use sirens as an emergency notification system.

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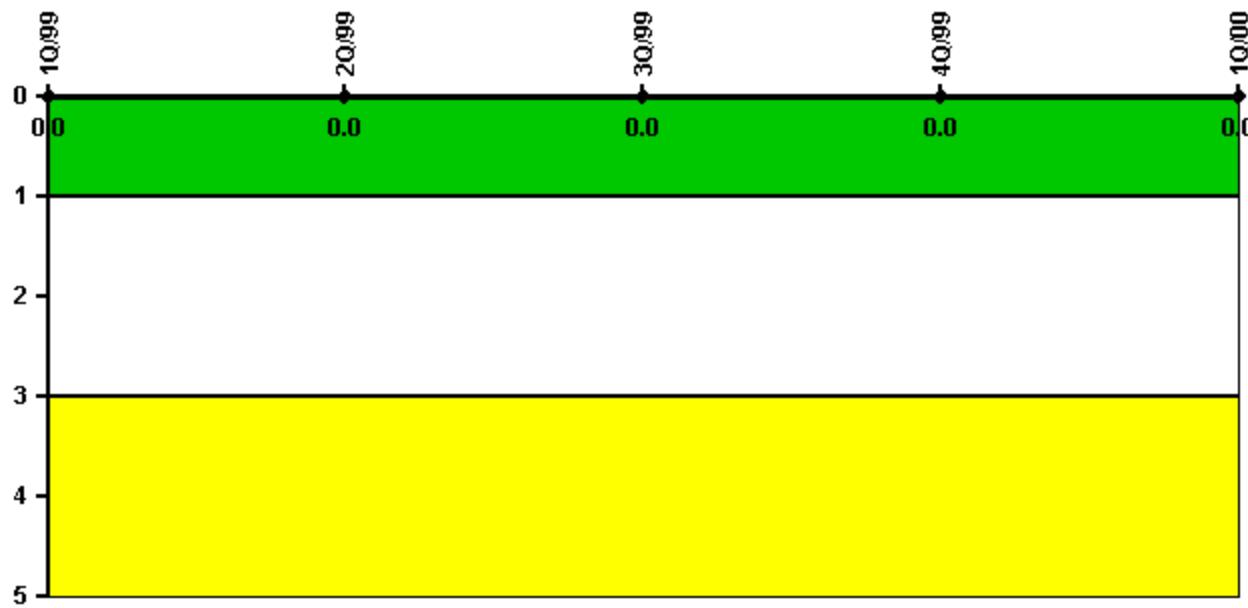
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

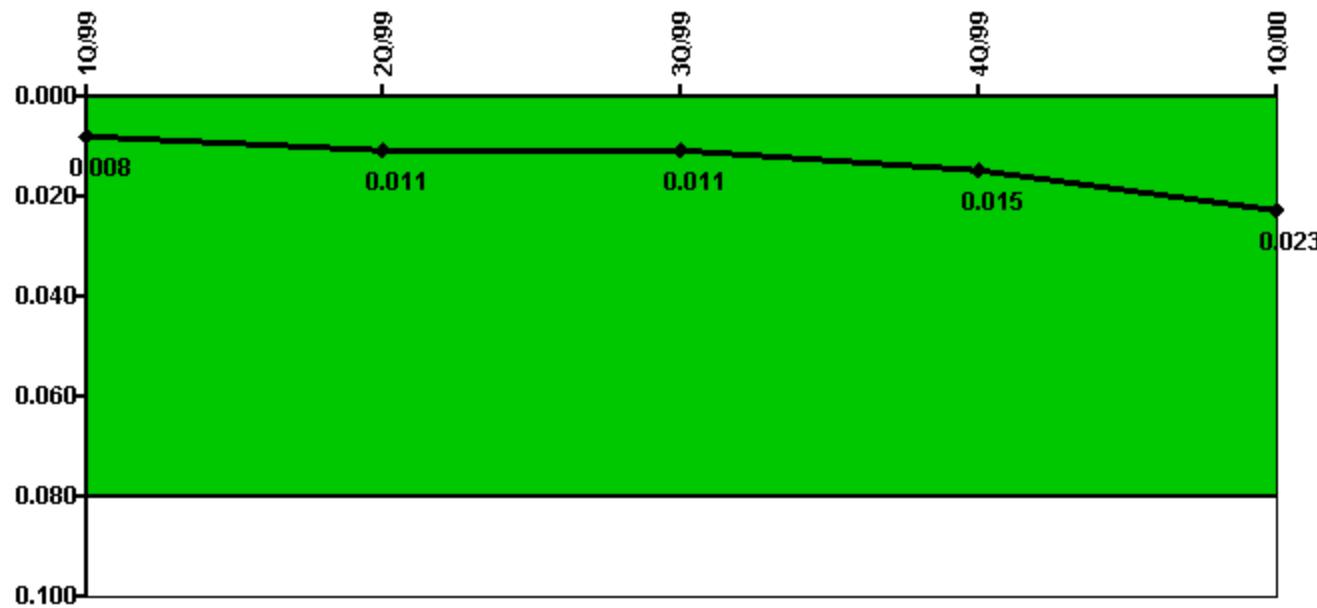
**Notes**

RETS/ODCM Radiological Effluent	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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### Protected Area Security Performance Index



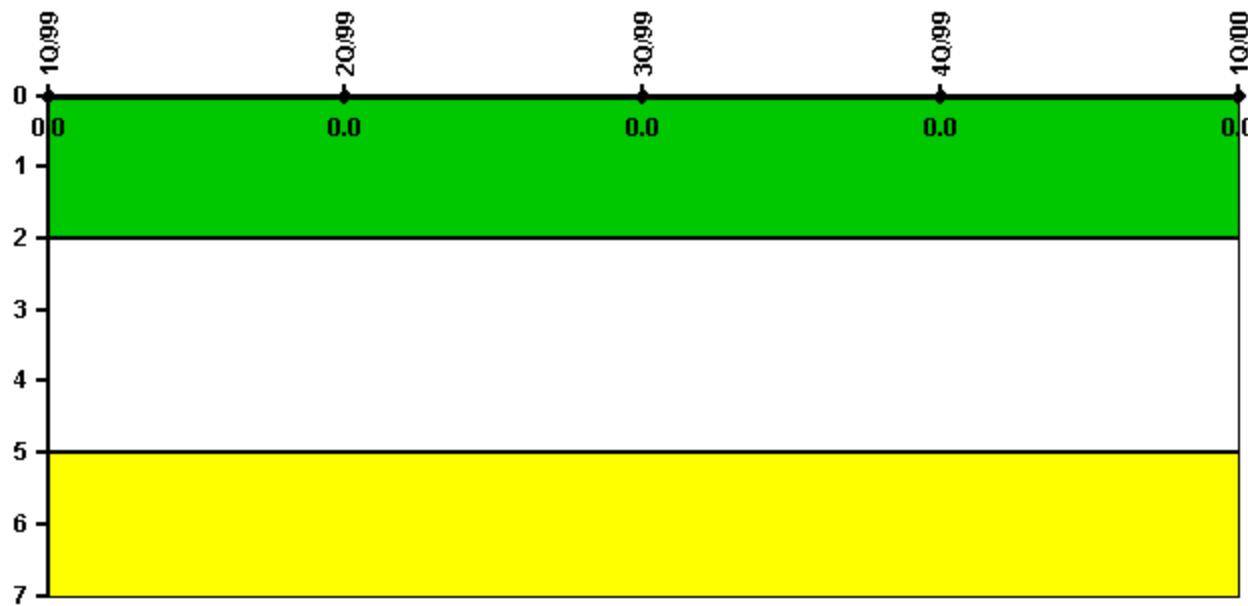
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	8.50	49.50	124.59	82.91	64.10
CCTV compensatory hours	0	18.2	1.8	0	95.7
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.008</b>	<b>0.011</b>	<b>0.011</b>	<b>0.015</b>	<b>0.023</b>

Licensee Comments: none

### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

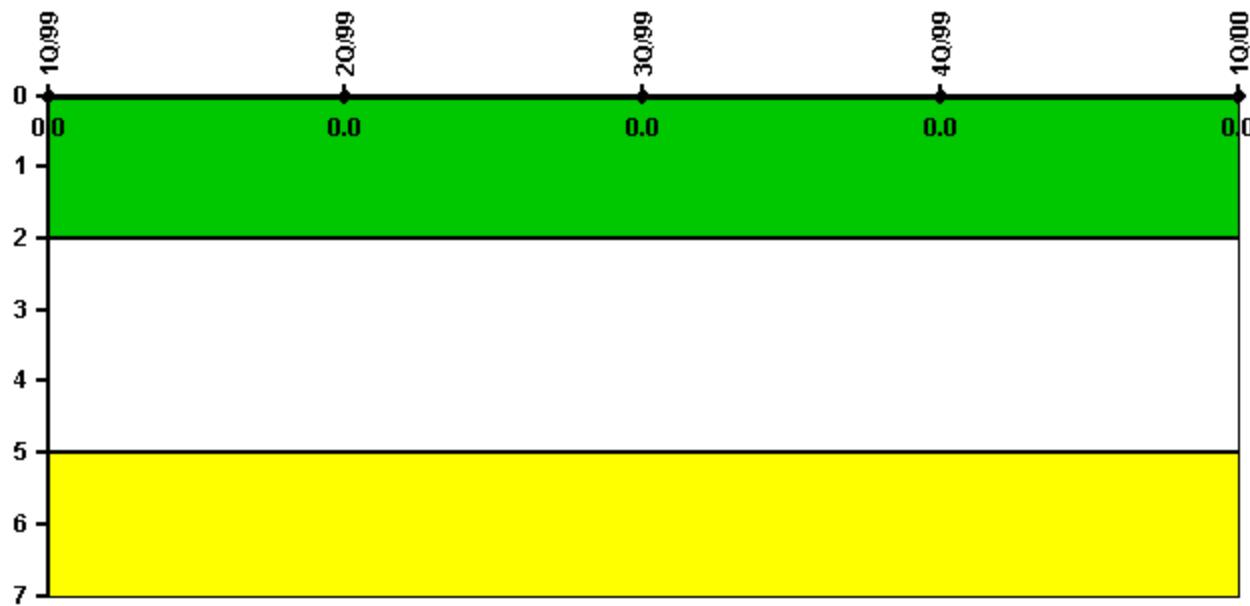
#### Notes

Personnel Screening Program	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

---

## FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

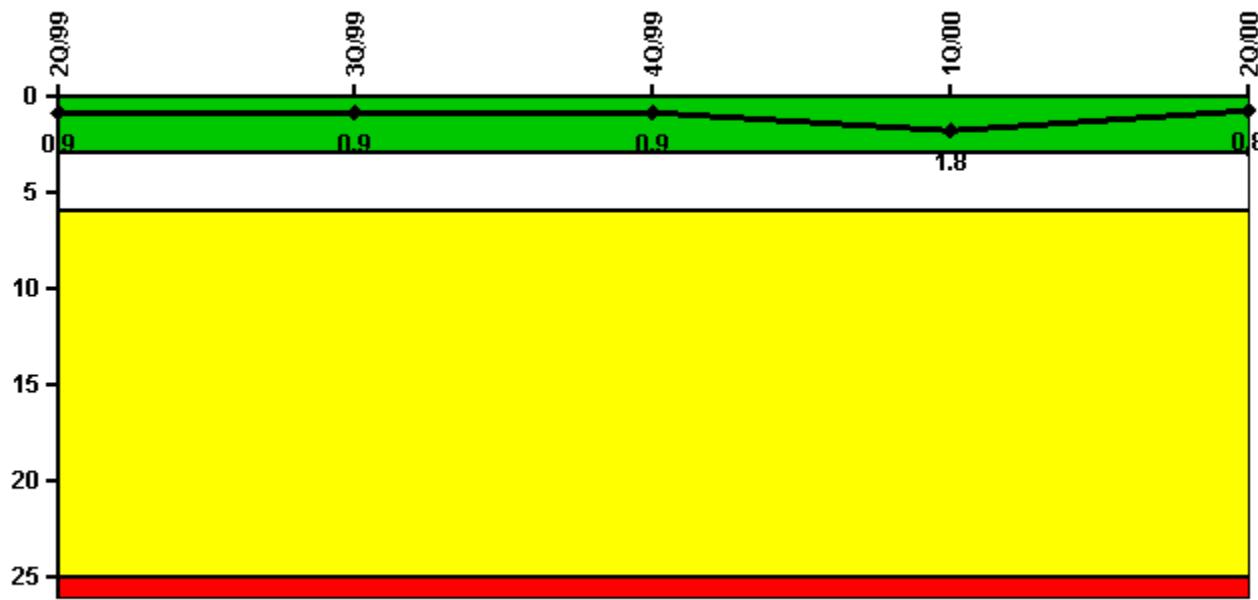


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

**Hatch 1****2Q/2000 Performance Indicators**

Licensee's General Comments: none

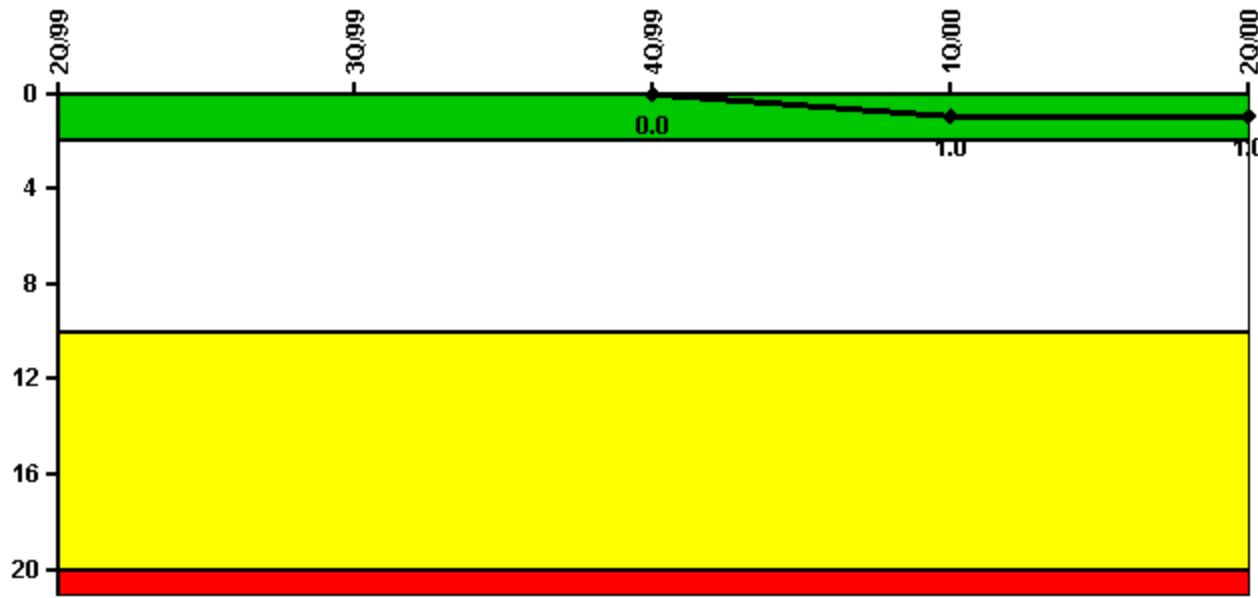
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	1.0	0	0	1.0	0
Critical hours	1590.7	2208.0	2209.0	1965.4	2183.0
Indicator value	0.9	0.9	0.9	1.8	0.8

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

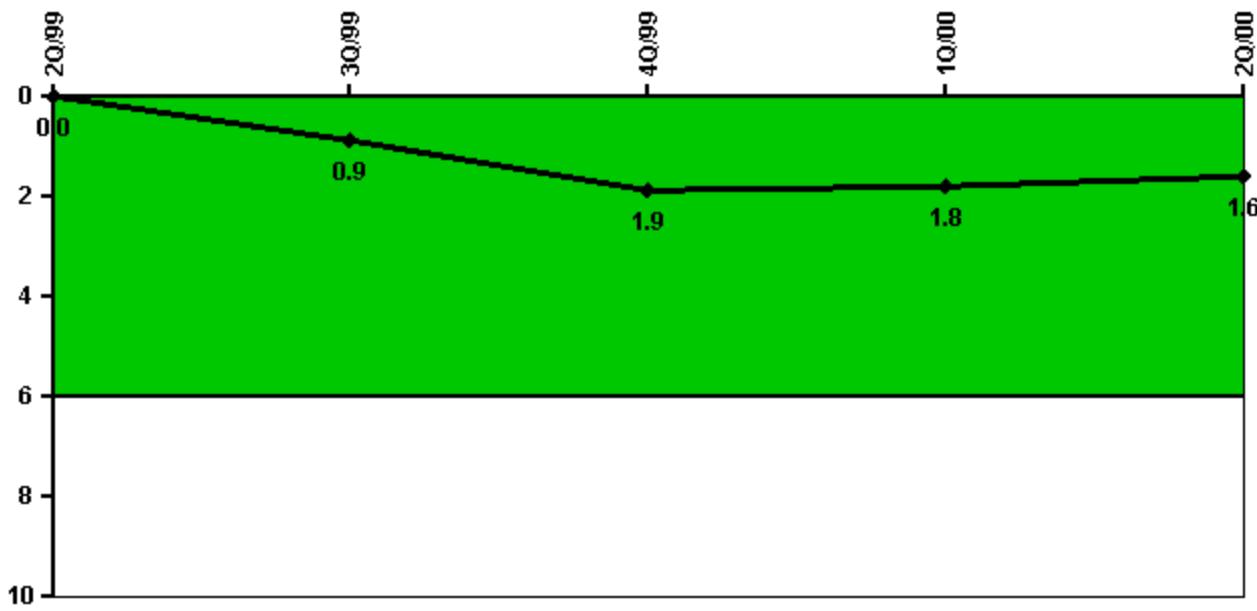
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	1.0	0
Indicator value			0	1.0	1.0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

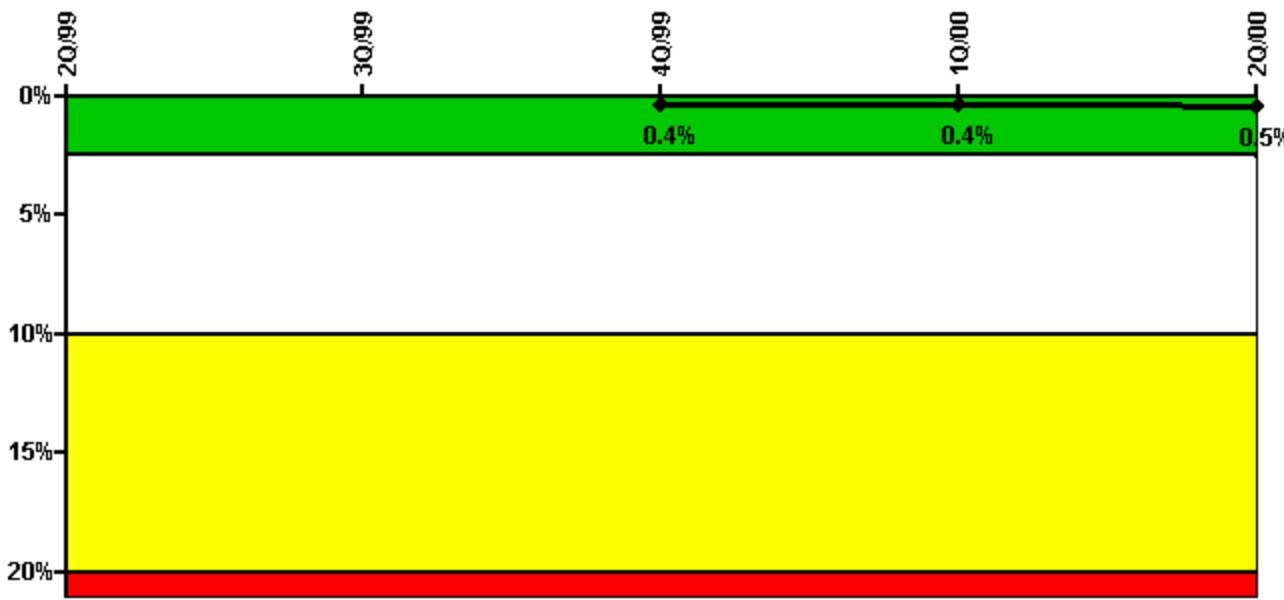
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	1.0	1.0	0	0
Critical hours	1590.7	2208.0	2209.0	1965.4	2183.0
Indicator value	0	0.9	1.9	1.8	1.6

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>						
Planned unavailable hours		4.37	0	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 2</b>						
Planned unavailable hours		10.30	0	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 3</b>						
Planned unavailable hours		79.00	0	0	11.95	20.00
Unplanned unavailable hours		0	0	0	0	51.30
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
<b>Indicator value</b>				0.4%	0.4%	0.5%

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



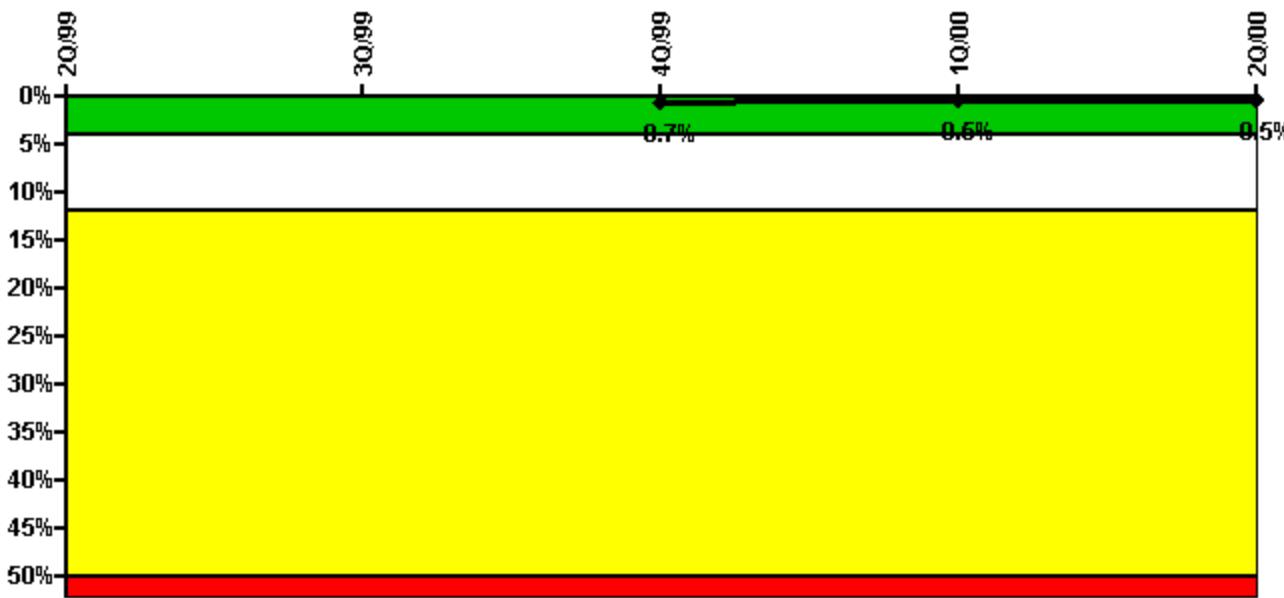
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>					
Planned unavailable hours	33.60	0	0	0	0.88
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1590.65	2208.00	2209.00	1965.40	2183.00
<b>Indicator value</b>			0.5%	0.5%	0.5%

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0	0.50	0.33
Unplanned unavailable hours	18.45	0	0	0.13	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1590.65	2208.00	2209.00	1965.40	2183.00
<b>Indicator value</b>			<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System



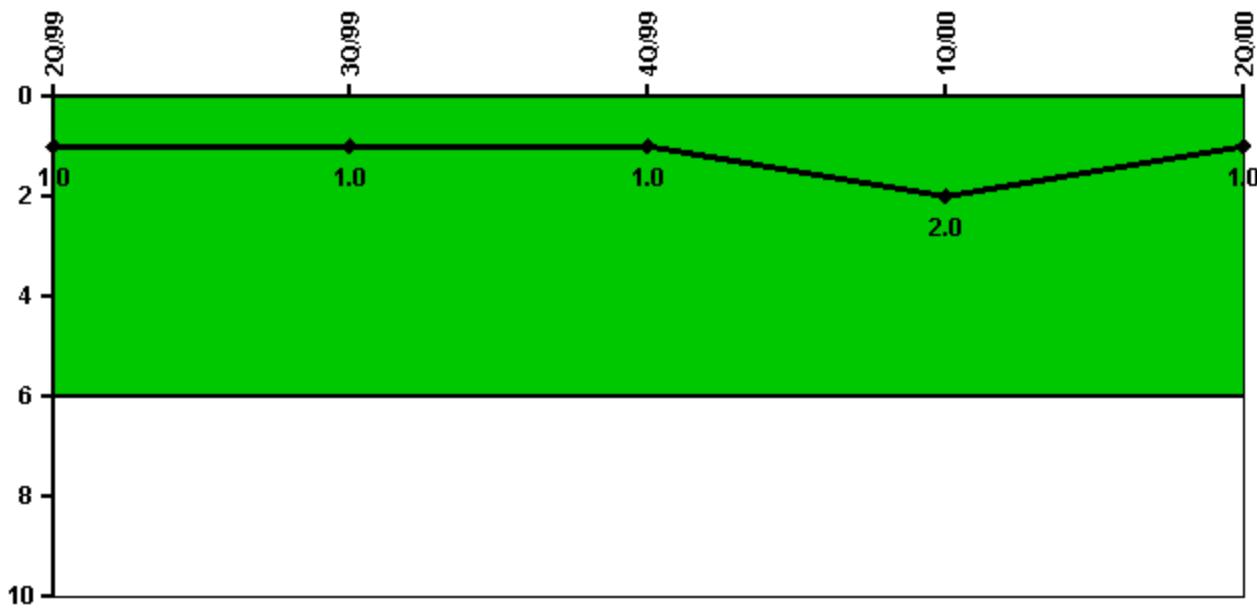
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>						
Planned unavailable hours		15.00	0	0	22.33	0.08
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 2</b>						
Planned unavailable hours		5.12	0	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
<b>Indicator value</b>				0.7%	0.7%	0.6%

Licensee Comments:

2Q/00: 1Q2000 - The number of Planned Unavailable Hours (Train 1) indicated for this quarter was 22.03. This value should have been 22.33. This change does not result in a threshold color change.

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

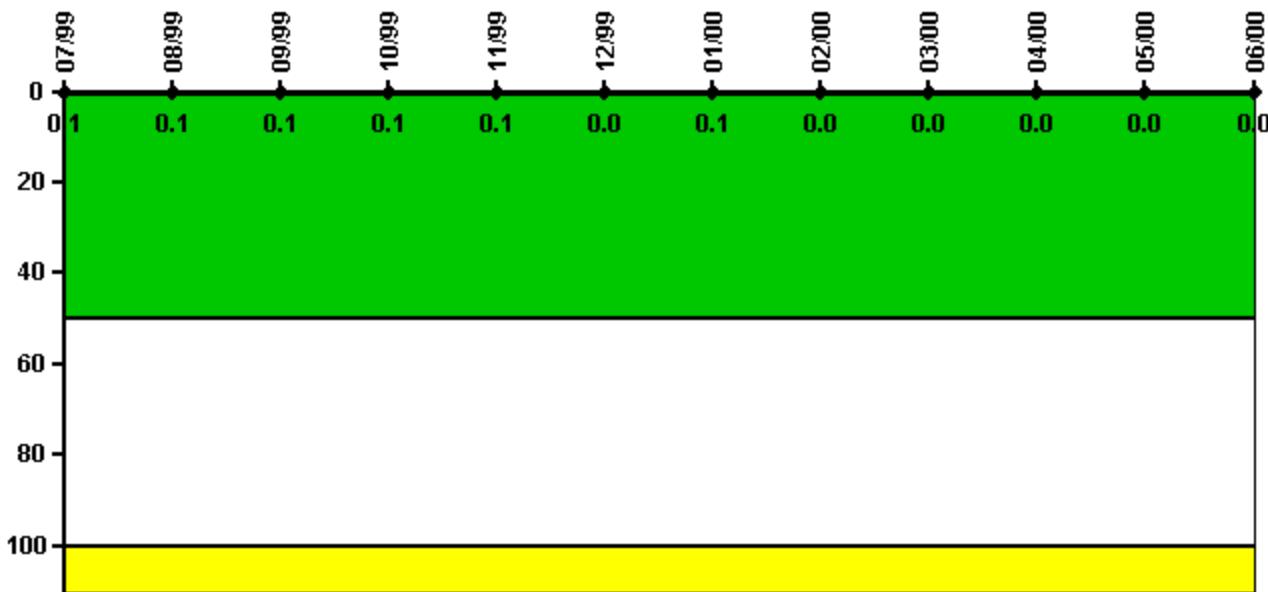
**Notes**

Safety System Functional Failures (BWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	1	0	0	1	0
Indicator value	1	1	1	2	1

Licensee Comments: none

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### Reactor Coolant System Activity



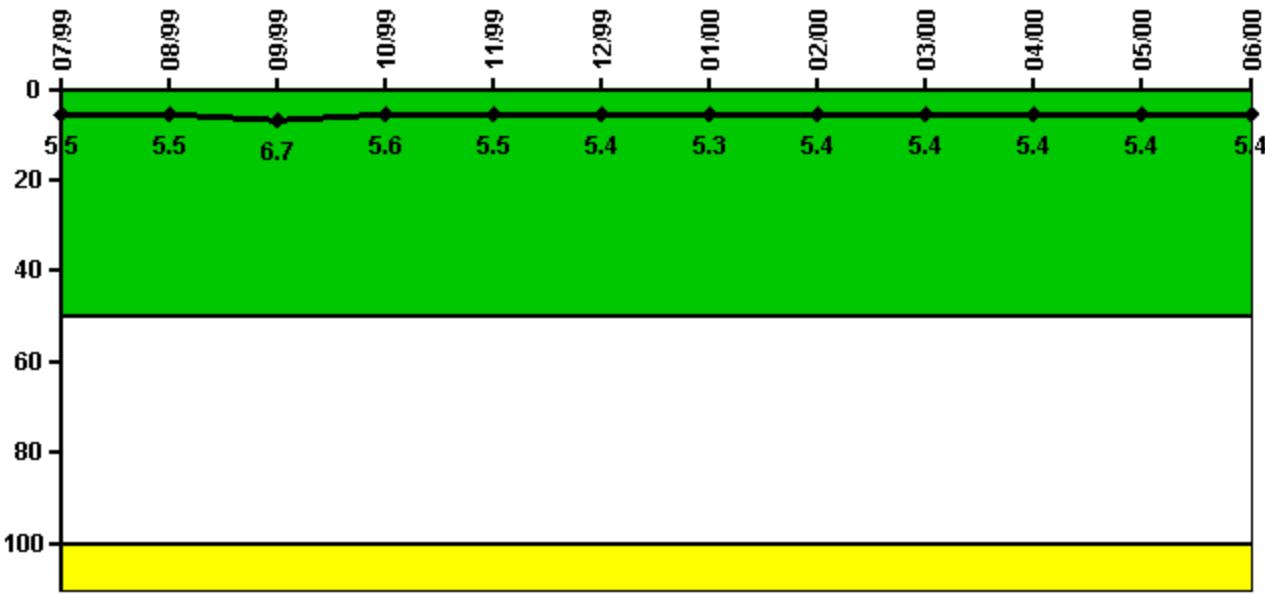
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000250	0.000120	0.000190	0.000170	0.000140	0.000070	0.000270	0.000050	0.000060	0.000050	0.000070	0.000050
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	0.1	0.1	0.1	0.1	0.1	0	0.1	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

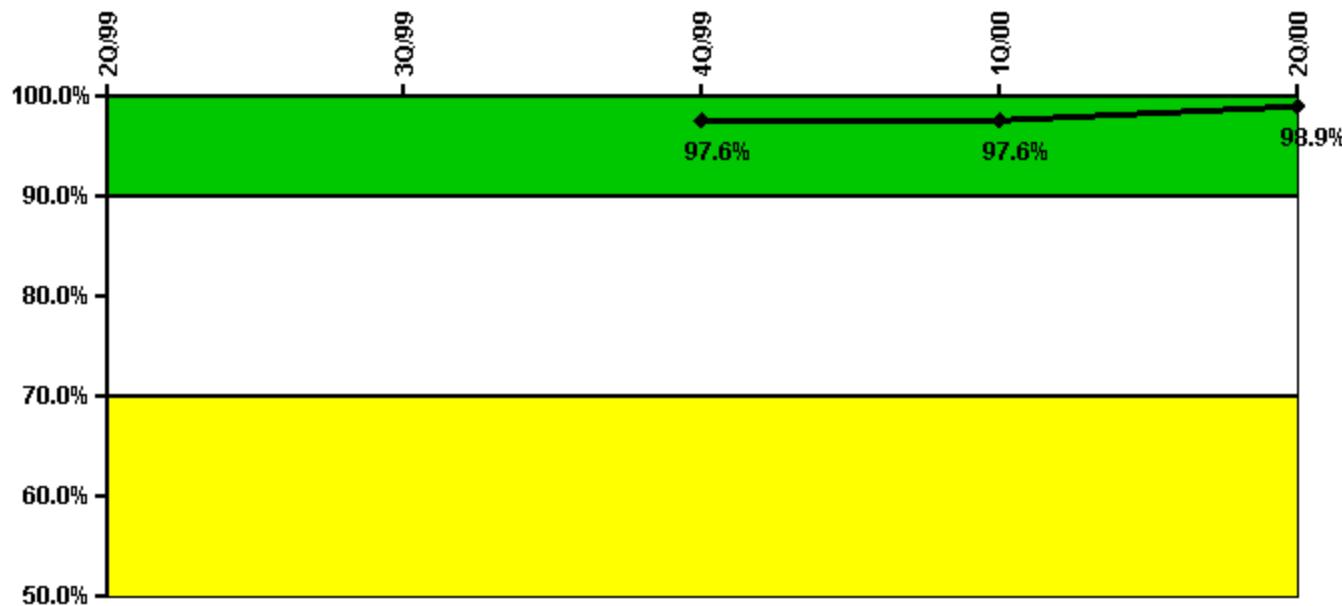


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	1.660	1.640	2.020	1.670	1.640	1.620	1.600	1.610	1.610	1.620	1.620	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	5.5	5.5	6.7	5.6	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4

Licensee Comments: none

**Drill/Exercise Performance**

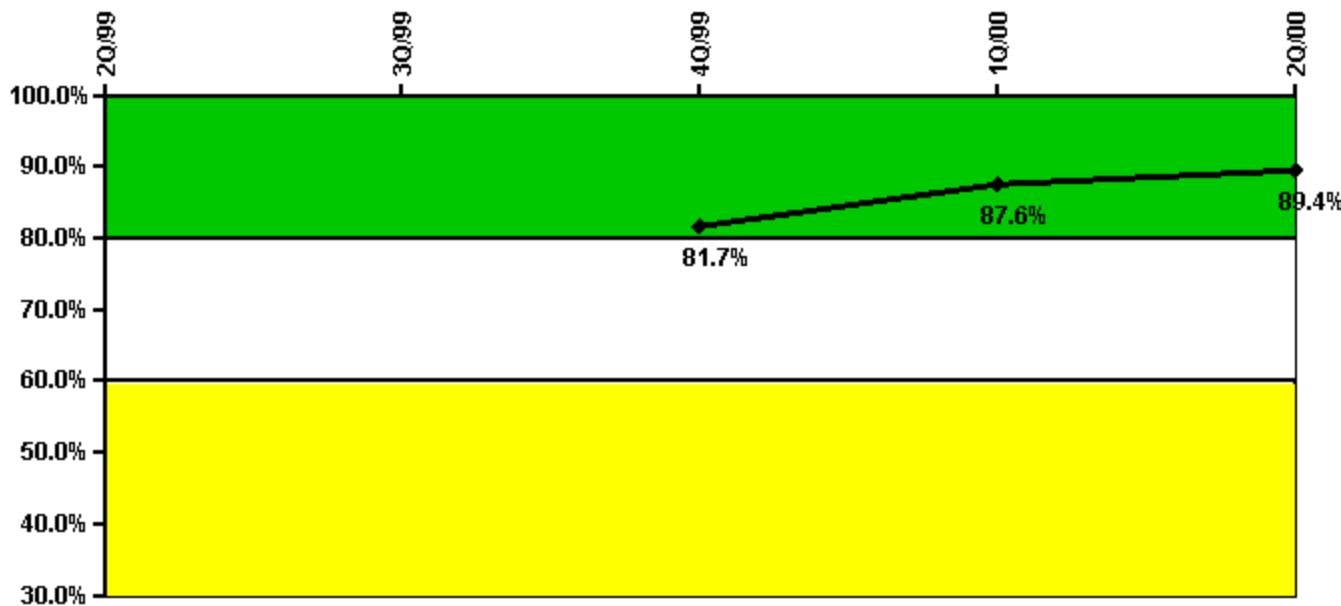
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	0	34.0	14.0	2.0	18.0
Total opportunities	0	34.0	14.0	2.0	19.0
Indicator value			97.6%	97.6%	98.9%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			94.0	99.0	110.0
Total Key personnel			115.0	113.0	123.0
Indicator value			81.7%	87.6%	89.4%

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.**

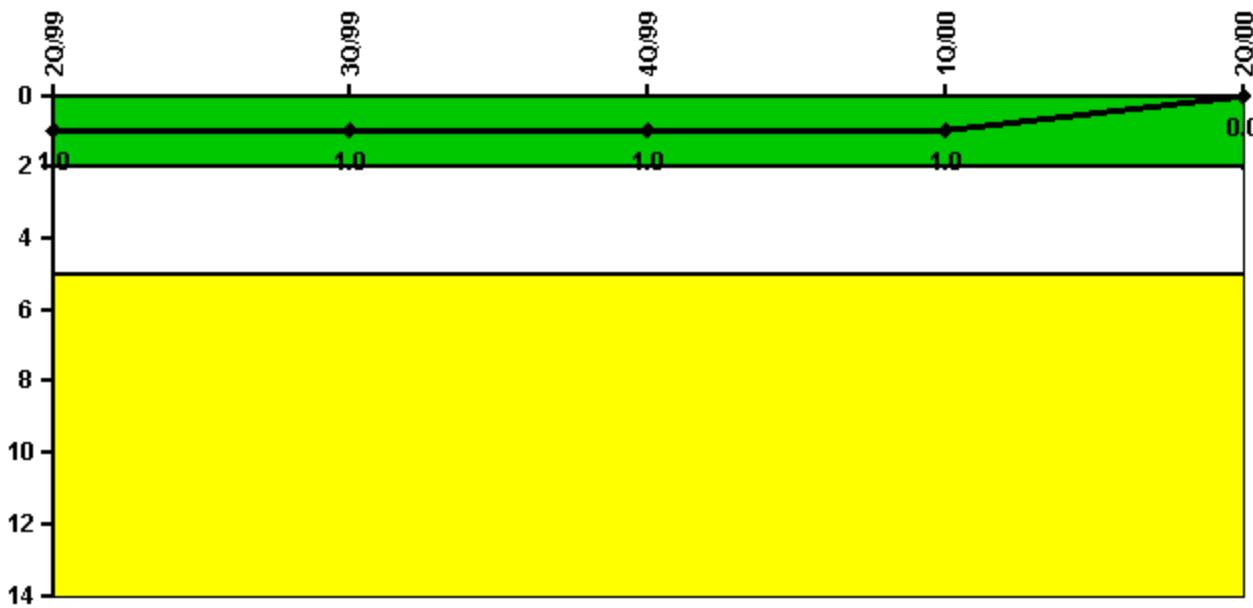
### **Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/99</b>	<b>3Q/99</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>
Successful siren-tests					
Total sirens-tests					
<b>Indicator value</b>					

Licensee Comments:

2Q/00: Plant Hatch does not use sirens as an emergency notification system.

---

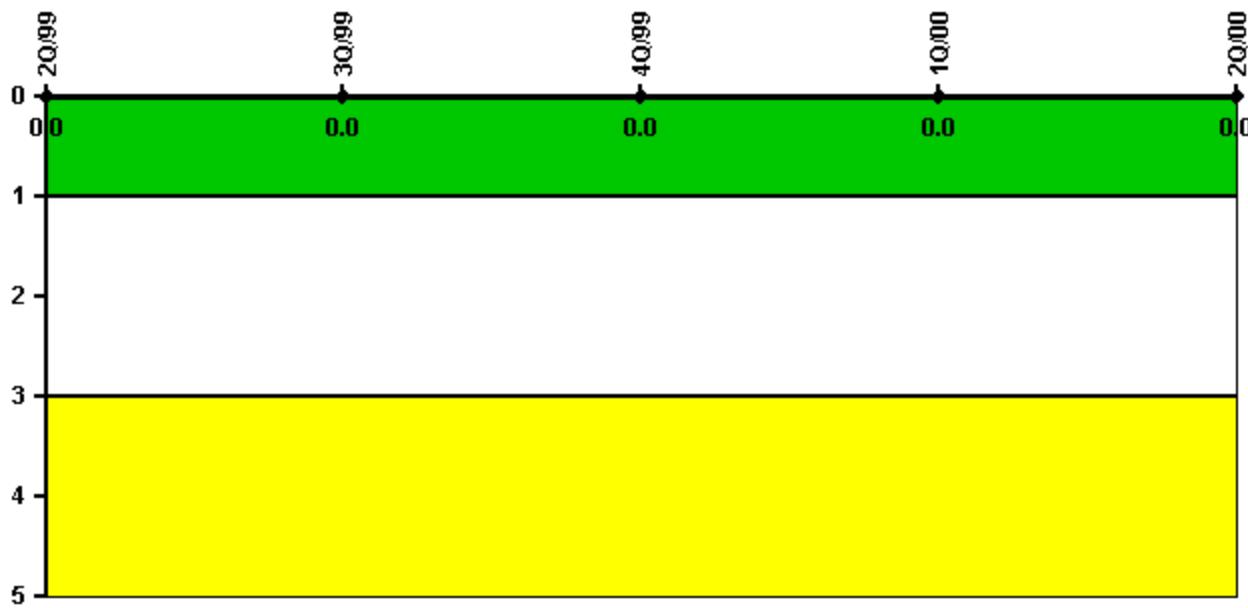
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
High radiation area occurrences	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

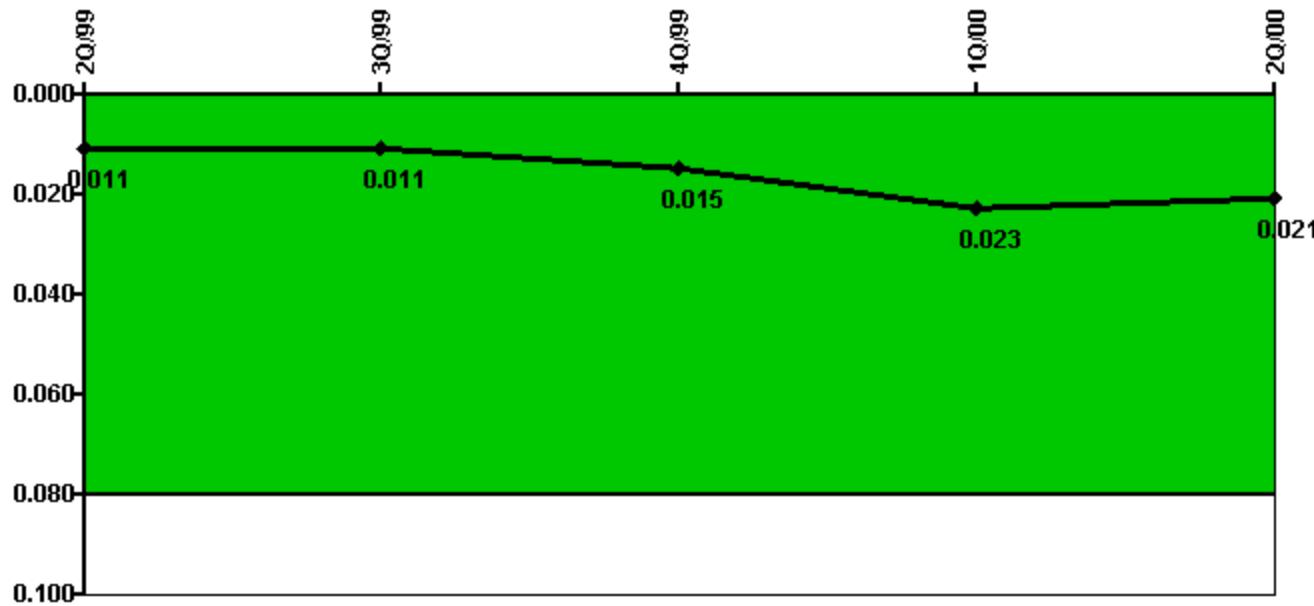
**Notes**

RETS/ODCM Radiological Effluent	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

---

## Protected Area Security Performance Index



Thresholds: White > 0.080

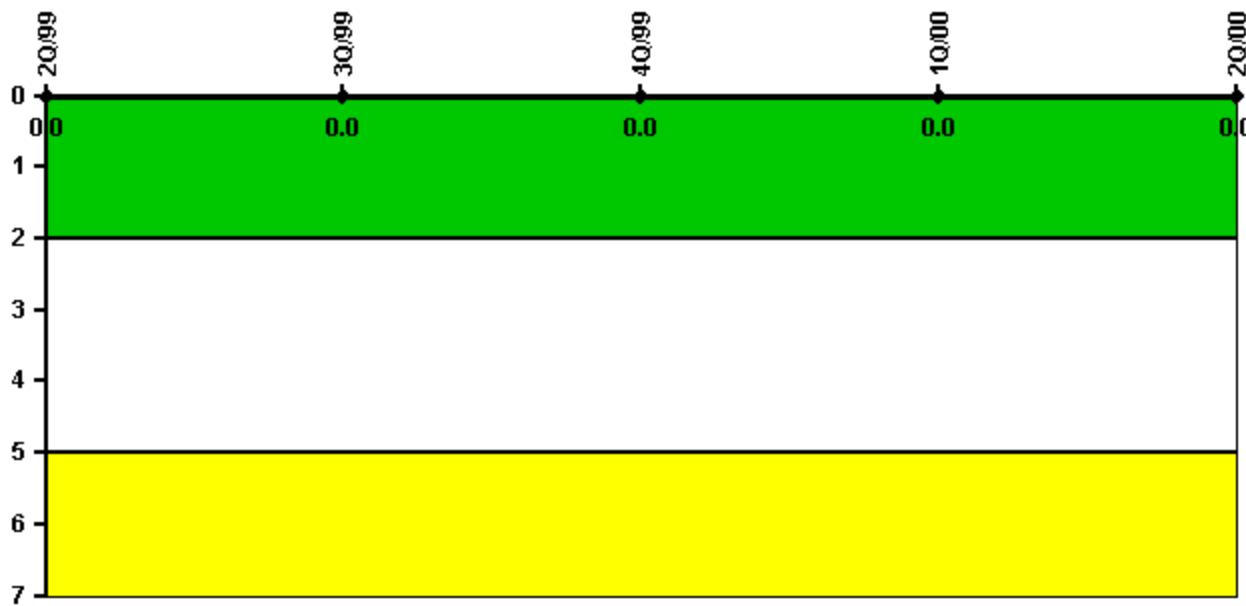
### Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	49.50	124.59	82.91	64.10	27.58
CCTV compensatory hours	18.2	1.8	0	95.7	2.0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.011</b>	<b>0.011</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>

Licensee Comments:

2Q/00: 2Q2000 - An IDS zone which is actually divided into 3 separate segments has been counted previously as 1. This has changed the normalization factor from 1.0 to 1.1. This change was also made to all previously submitted data. This change did not result in a threshold color change.

## Personnel Screening Program



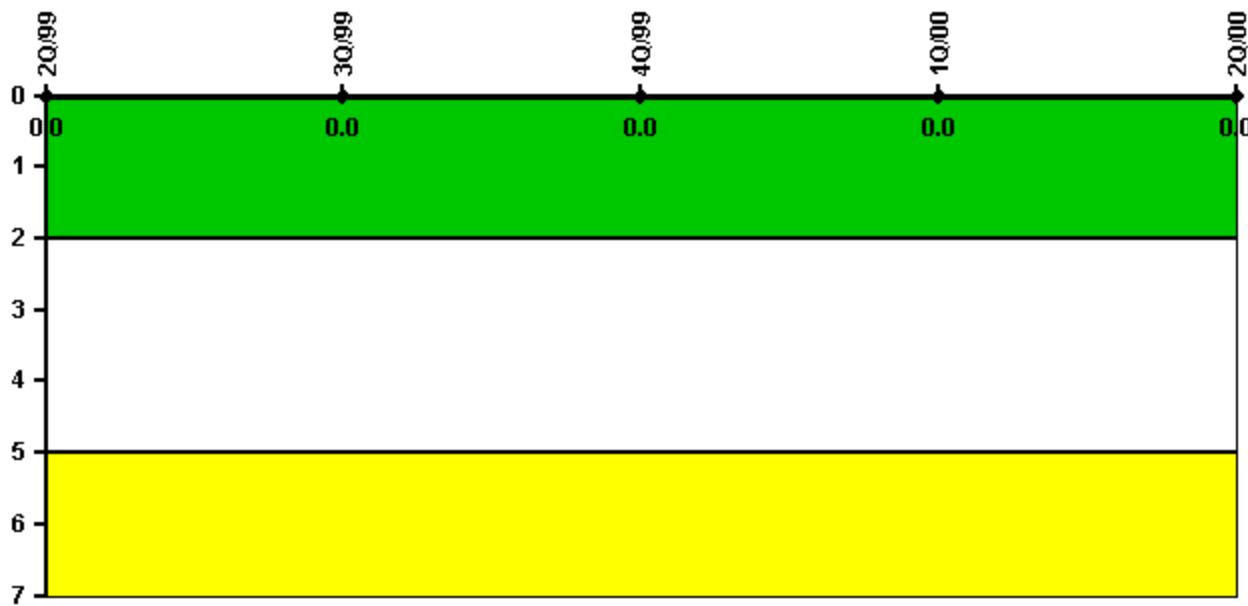
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Personnel Screening Program	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

---

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

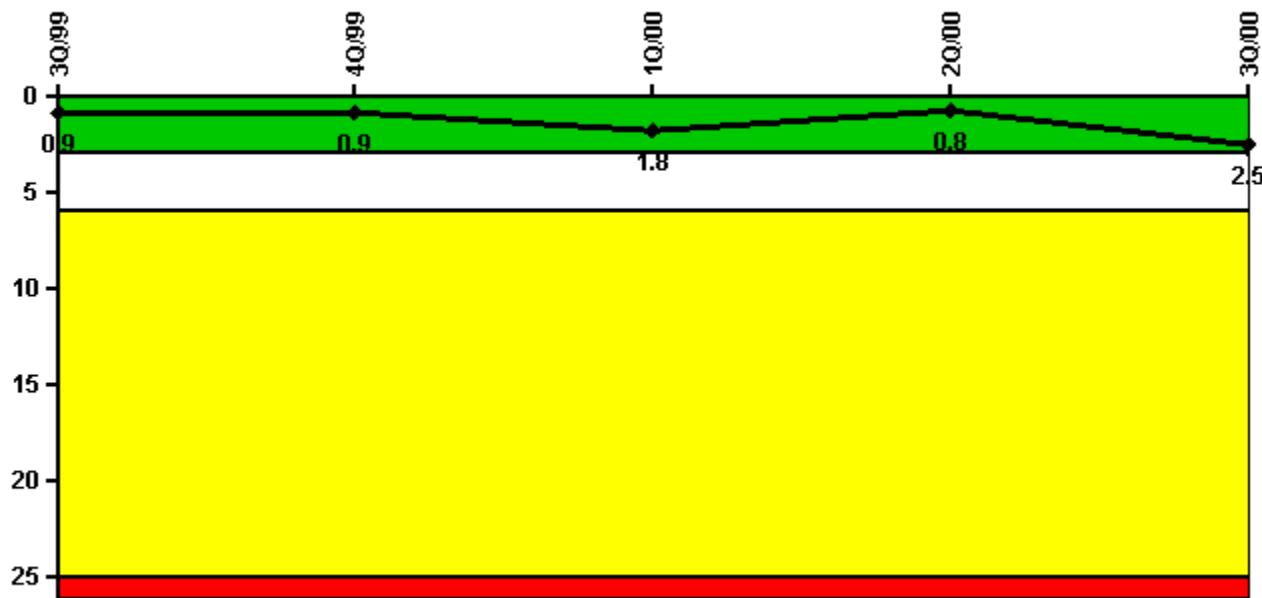


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

**Hatch 1****3Q/2000 Performance Indicators**

Licensee's General Comments: none

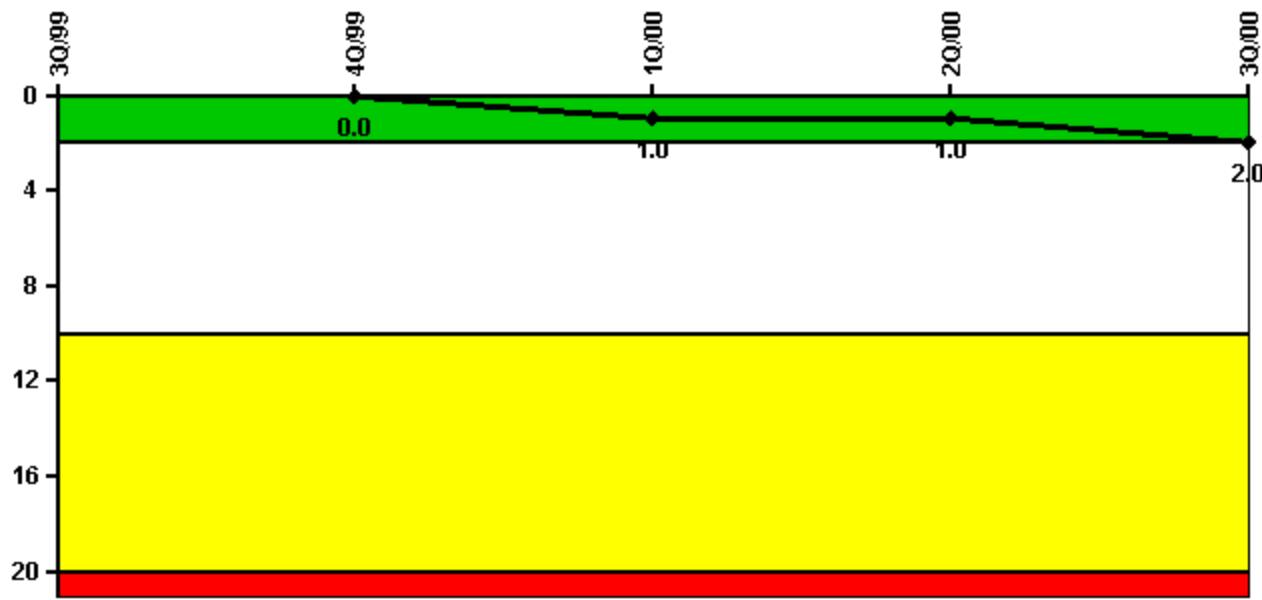
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	1.0	0	2.0
Critical hours	2208.0	2209.0	1965.4	2183.0	2094.6
Indicator value	0.9	0.9	1.8	0.8	2.5

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

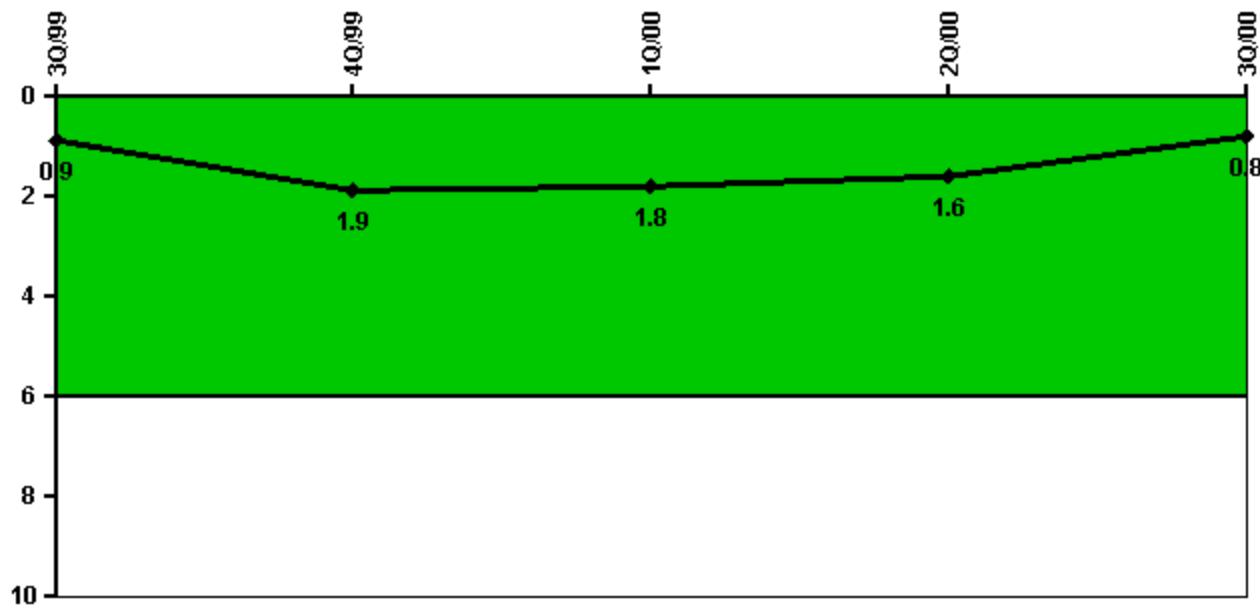
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	1.0	0	1.0
Indicator value			0	1.0	1.0

Licensee Comments: none

---

**Unplanned Power Changes per 7000 Critical Hrs**

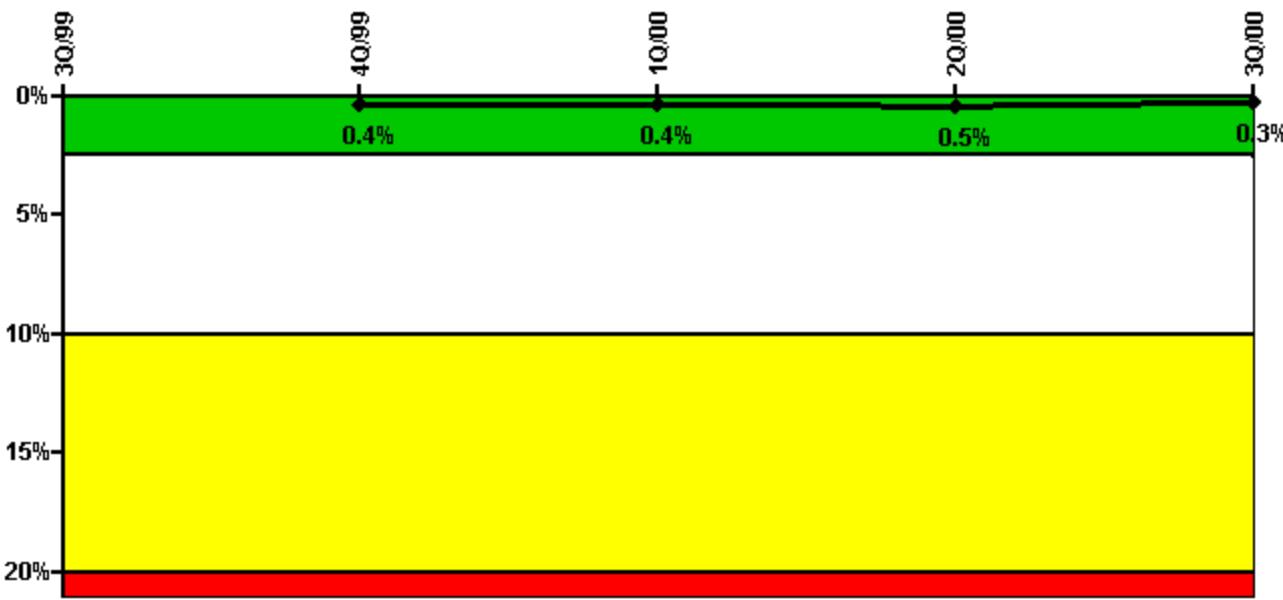
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	1.0	1.0	0	0	0
Critical hours	2208.0	2209.0	1965.4	2183.0	2094.6
Indicator value	0.9	1.9	1.8	1.6	0.8

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



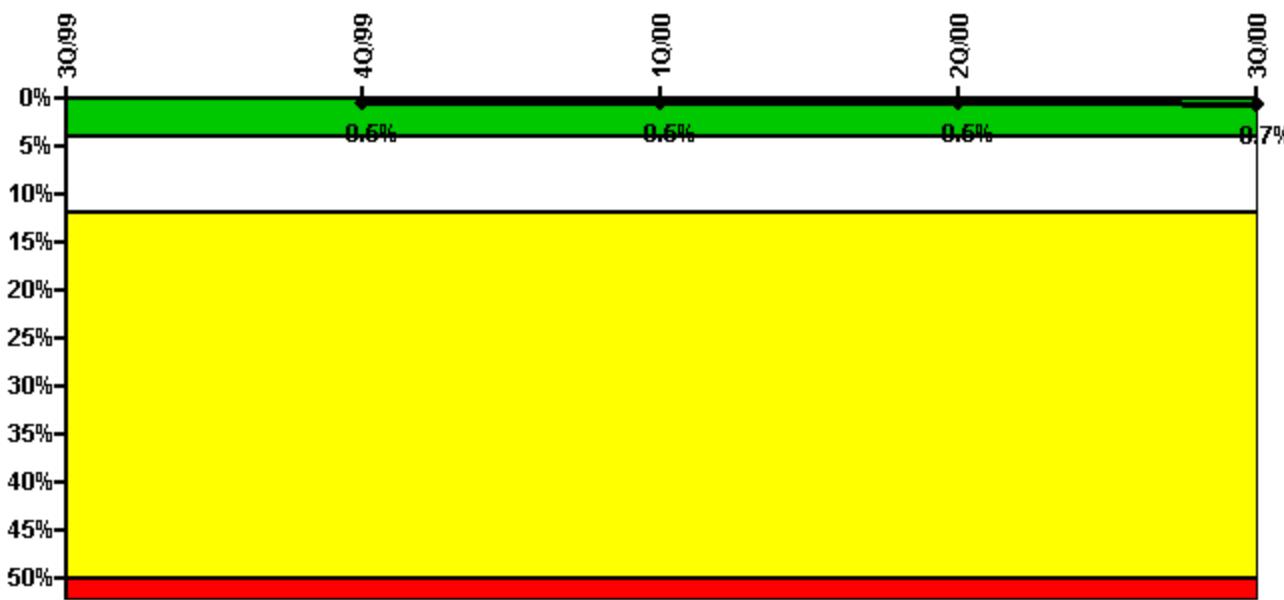
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>						
Planned unavailable hours		0	0	0	0	0.08
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>						
Planned unavailable hours		0	0	0	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 3</b>						
Planned unavailable hours		0	0	11.95	20.00	0
Unplanned unavailable hours		0	0	0	51.30	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>			0.4%	0.4%	0.5%	0.3%

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



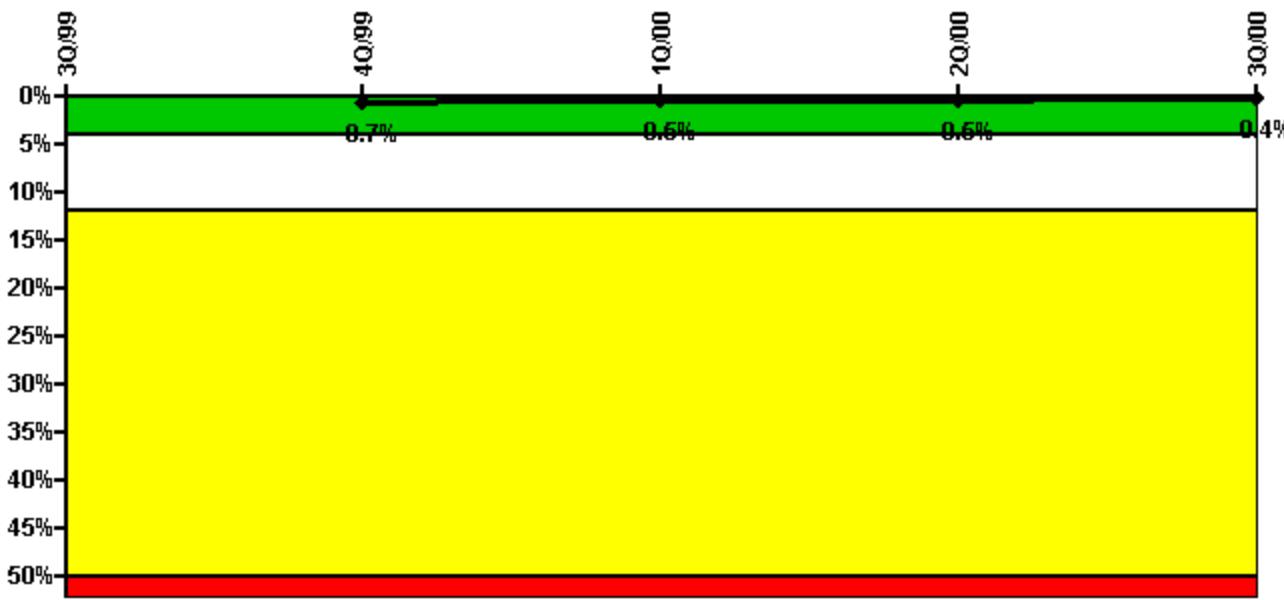
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0	0.88	22.54
Unplanned unavailable hours	0	0	0	0	67.98
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1965.40	2183.00	2094.63
<b>Indicator value</b>			<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>
					<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0.50	0.33	32.85
Unplanned unavailable hours	0	0	0.13	0	0.43
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1965.40	2183.00	2094.63
<b>Indicator value</b>		<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

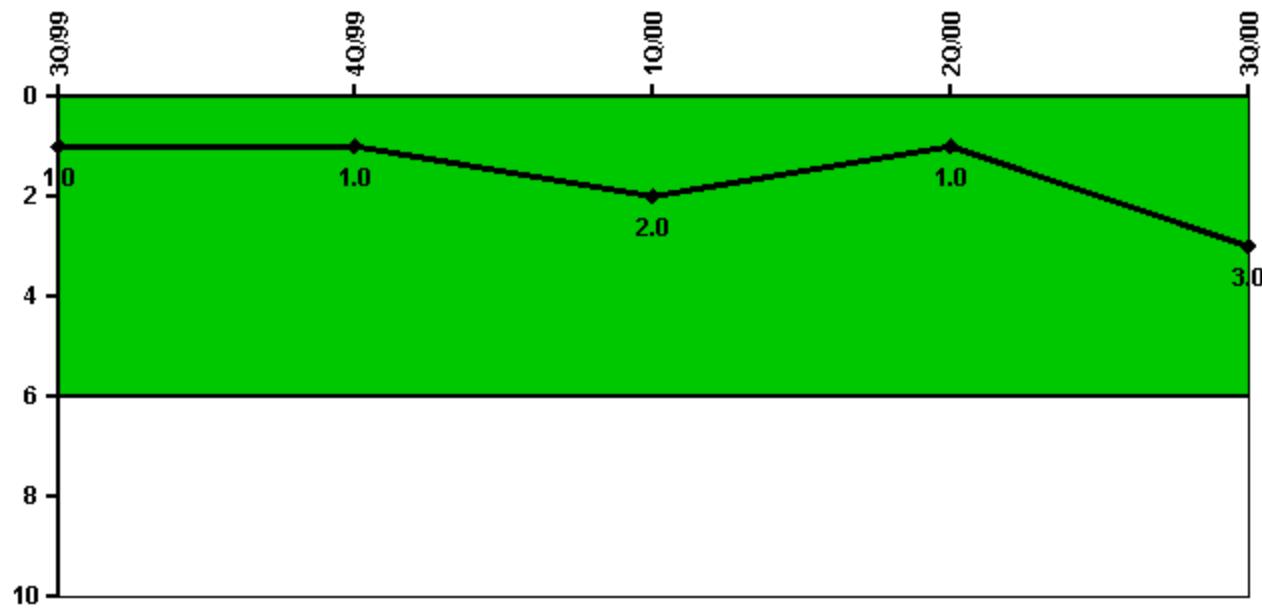


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>						
Planned unavailable hours		0	0	22.33	0.08	0.37
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>						
Planned unavailable hours		0	0	0	0	7.45
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>			<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

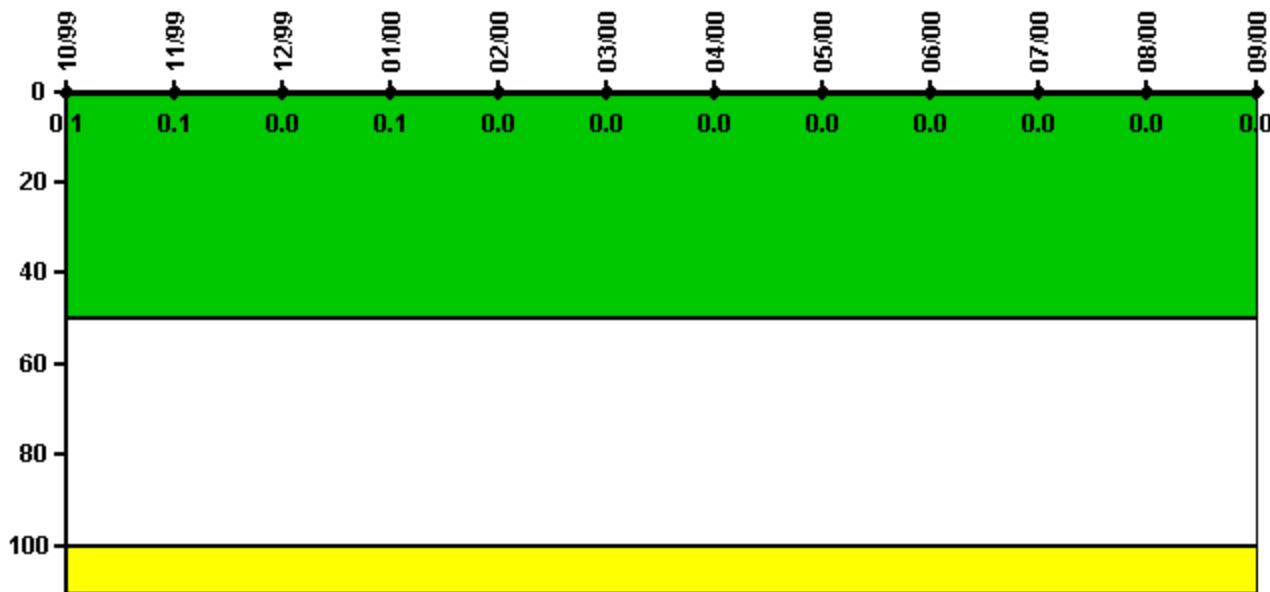
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	0	1	0	2
Indicator value	1	1	2	1	3

Licensee Comments: none

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**Reactor Coolant System Activity**

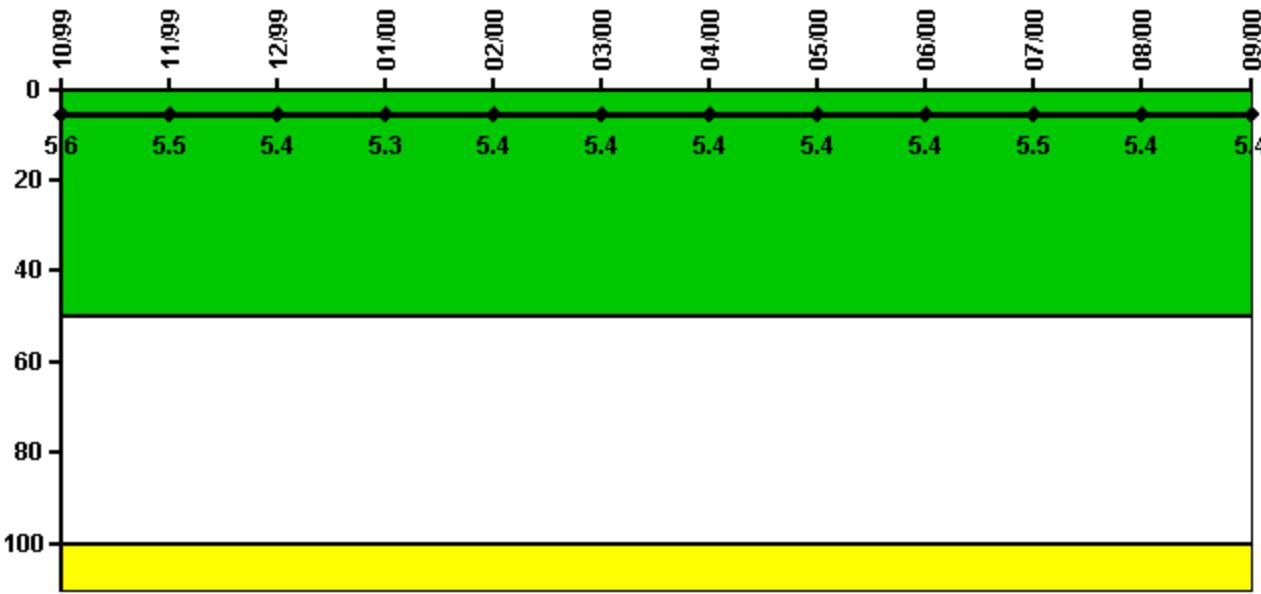
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000170	0.000140	0.000070	0.000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050
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	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

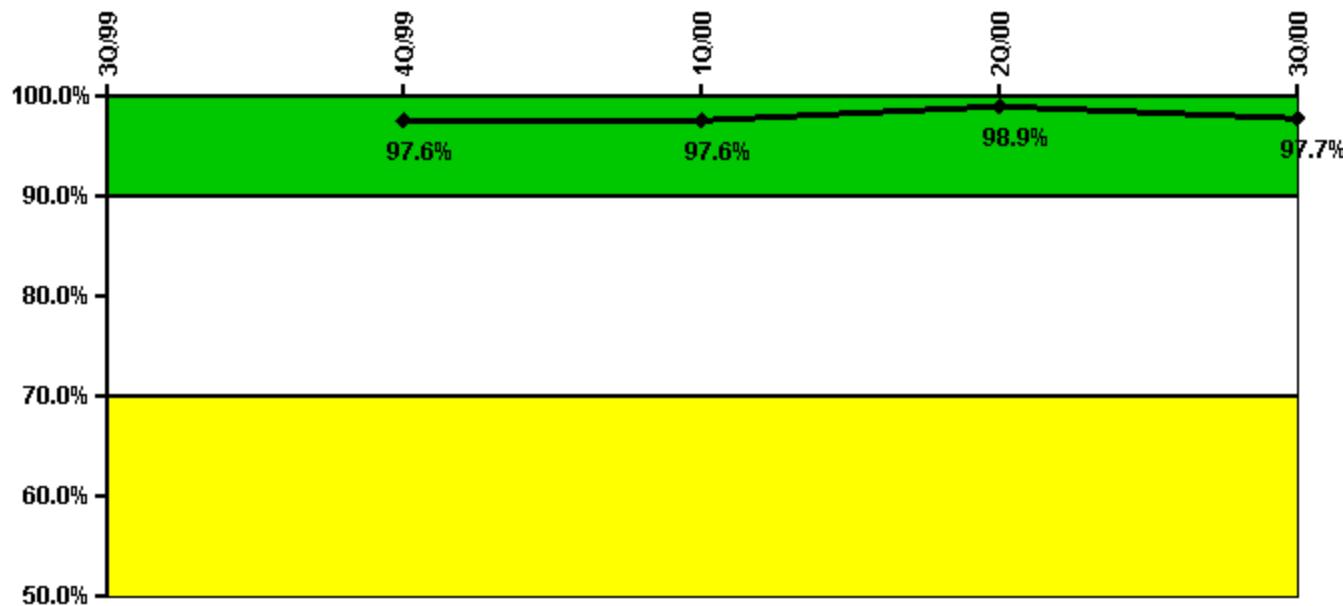


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.670	1.640	1.620	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630
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	5.6	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4

Licensee Comments: none

**Drill/Exercise Performance**

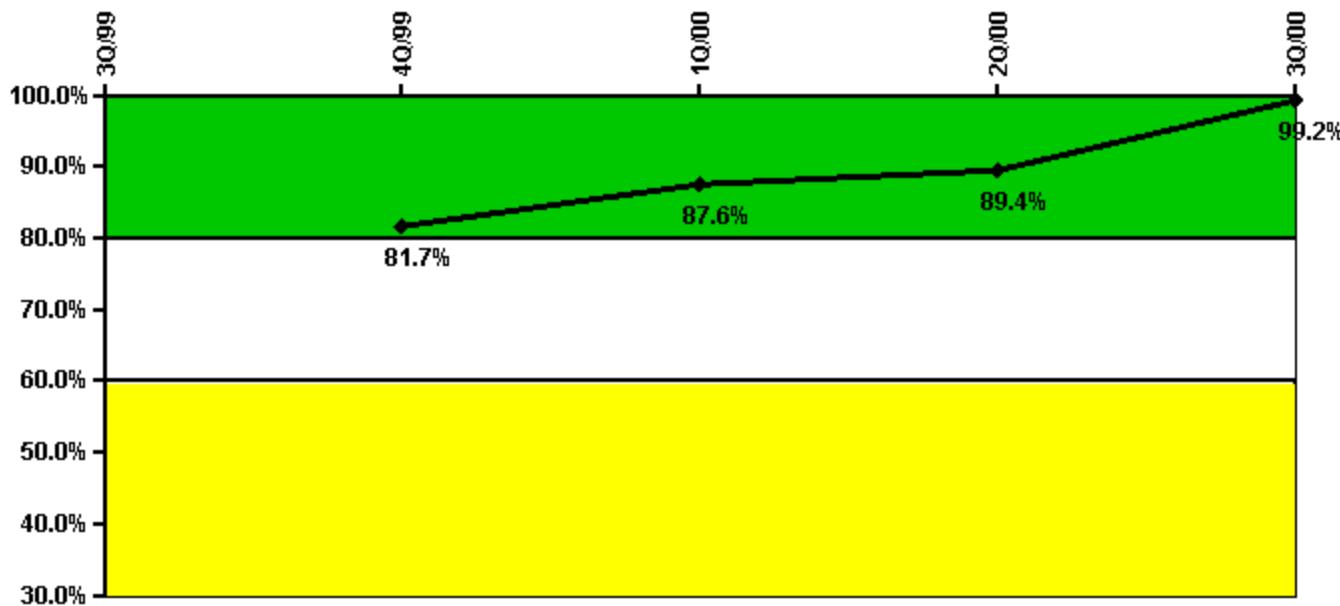
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	34.0	14.0	2.0	18.0	53.0
Total opportunities	34.0	14.0	2.0	19.0	55.0
Indicator value		97.6%	97.6%	98.9%	97.7%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		94.0	99.0	110.0	118.0
Total Key personnel		115.0	113.0	123.0	119.0
Indicator value		81.7%	87.6%	89.4%	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.**

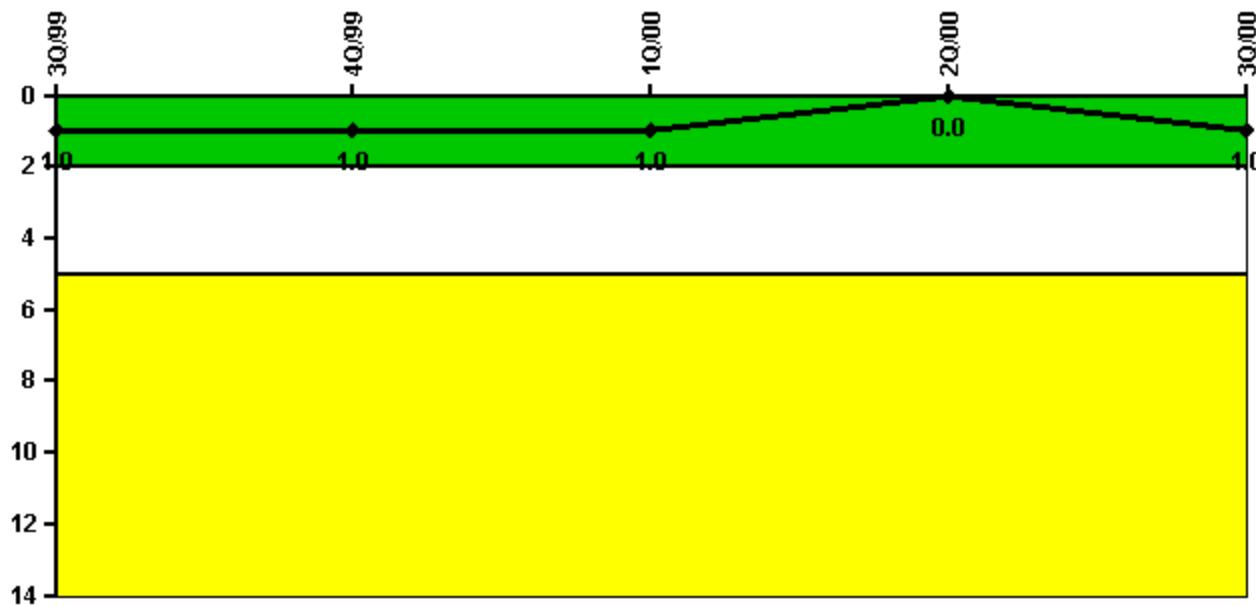
### **Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/99</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>
Successful siren-tests					
Total sirens-tests					
<b>Indicator value</b>					

Licensee Comments:

3Q/00: Plant Hatch does not use sirens as an emergency notification system.

---

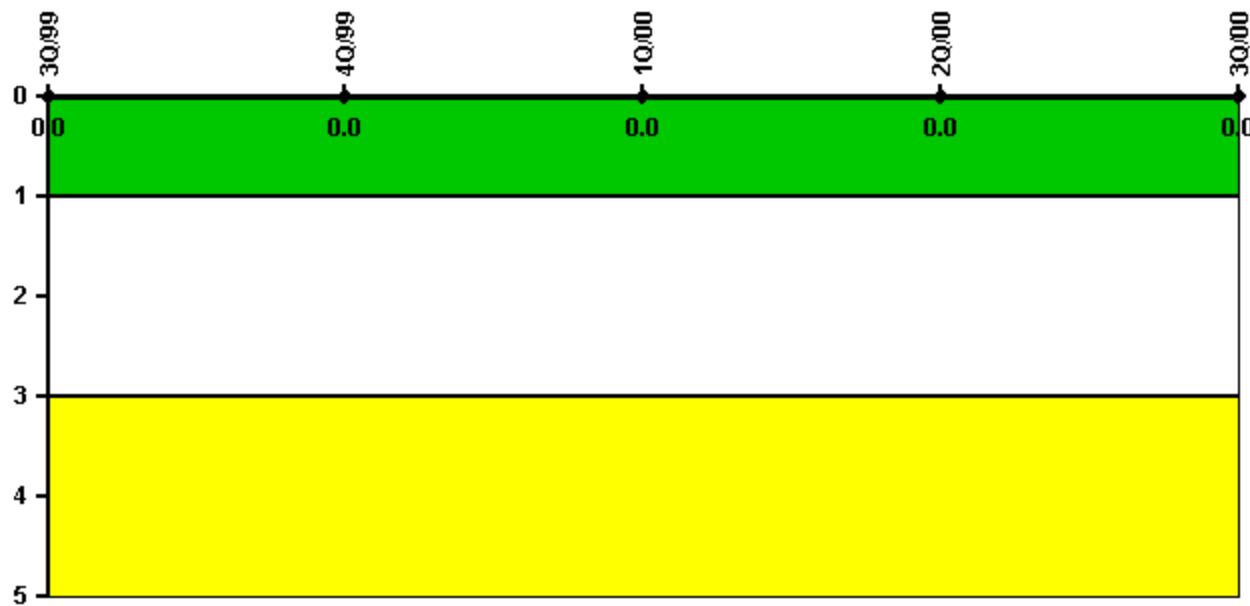
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	1
<b>Indicator value</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

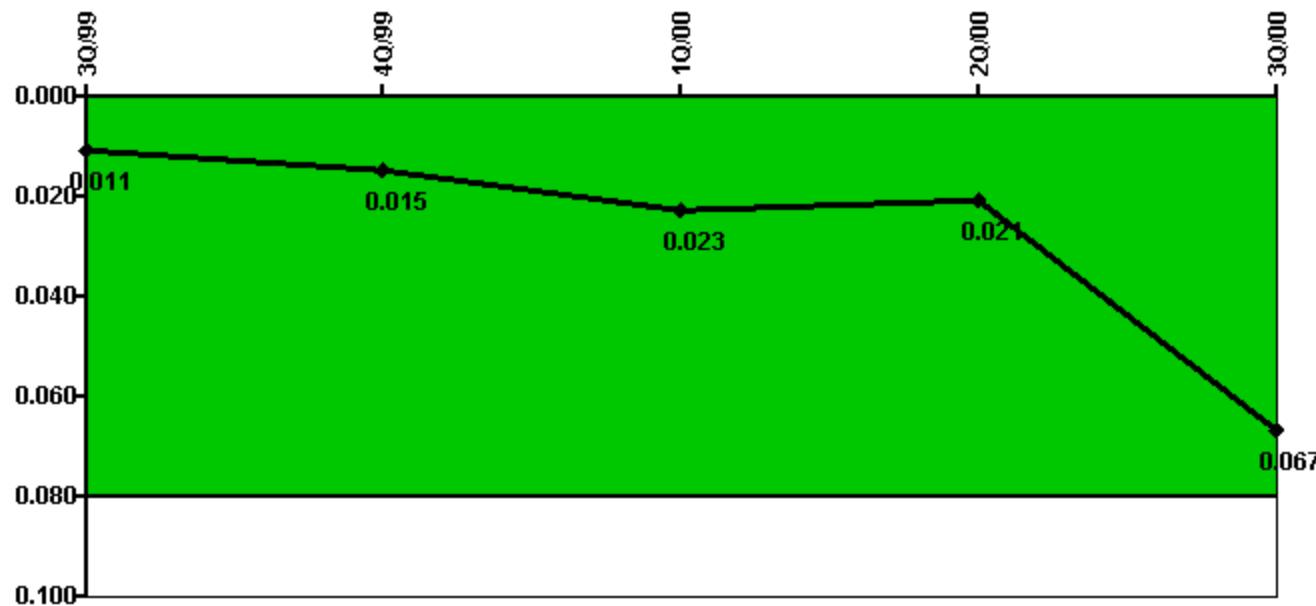
**Notes**

RETS/ODCM Radiological Effluent	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

---

### Protected Area Security Performance Index



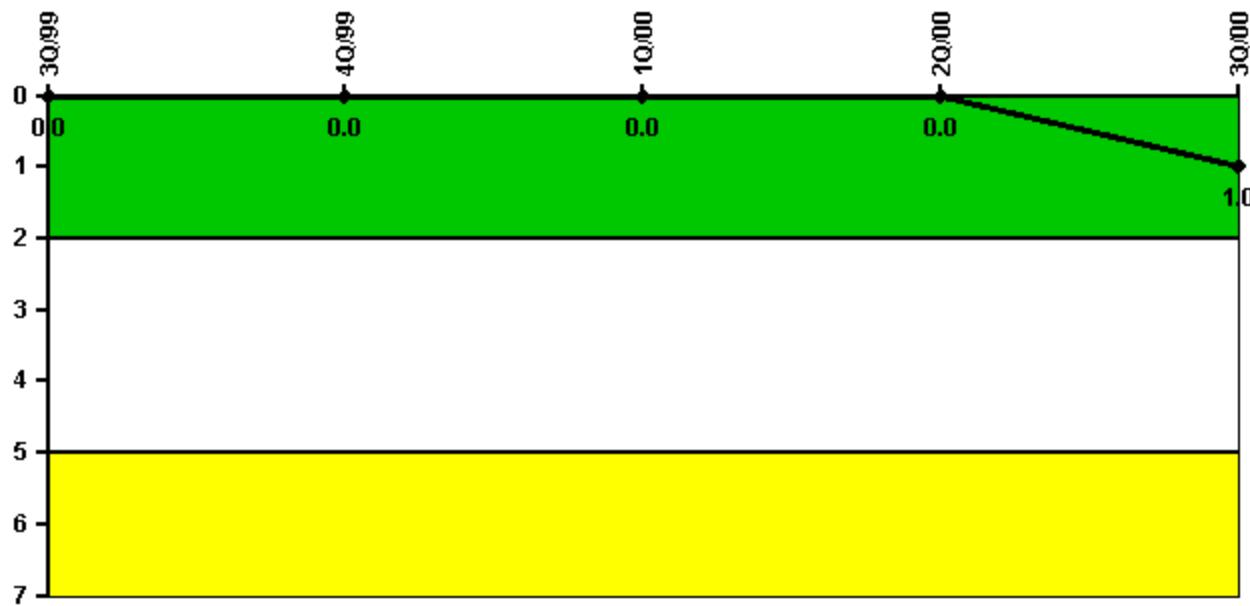
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	124.59	82.91	64.10	27.58	1013.82
CCTV compensatory hours	1.8	0	95.7	2.0	0.4
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.011</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>

Licensee Comments: none

### Personnel Screening Program



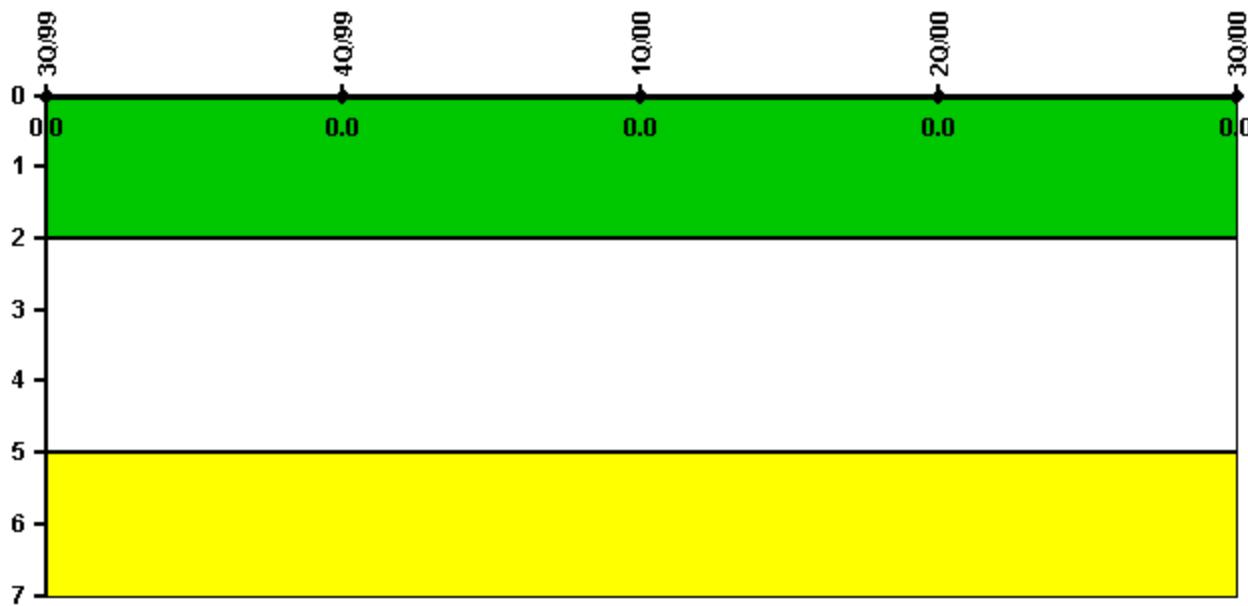
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program failures	0	0	0	0	1
Indicator value	0	0	0	0	1

Licensee Comments: none

---

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

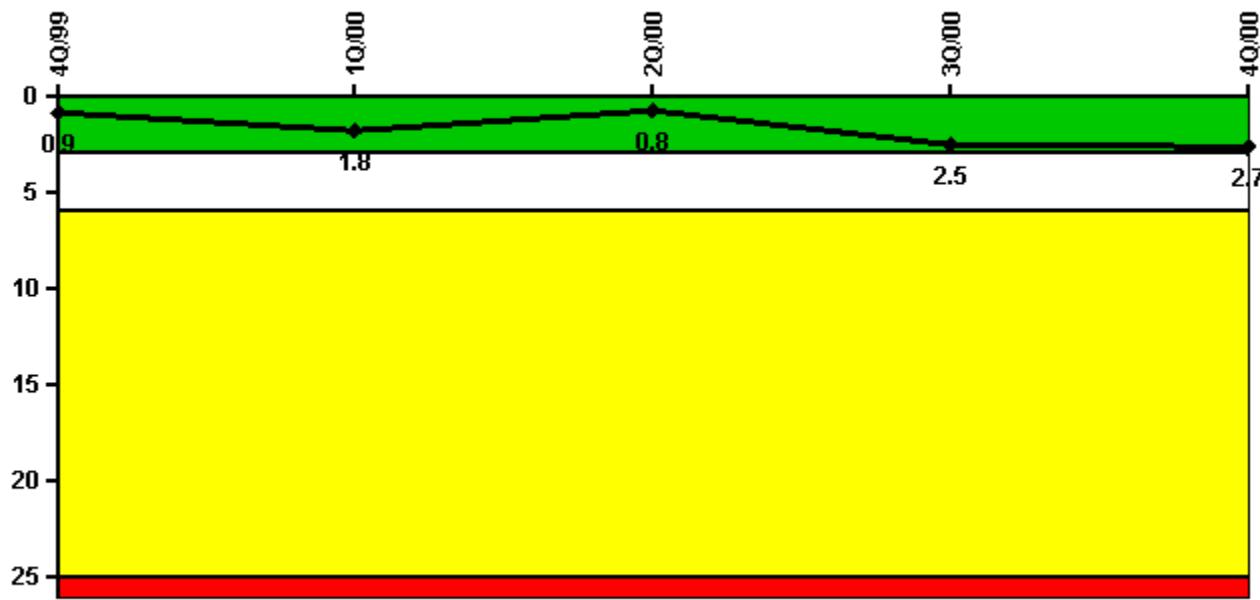


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 29, 2002

**Hatch 1****4Q/2000 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

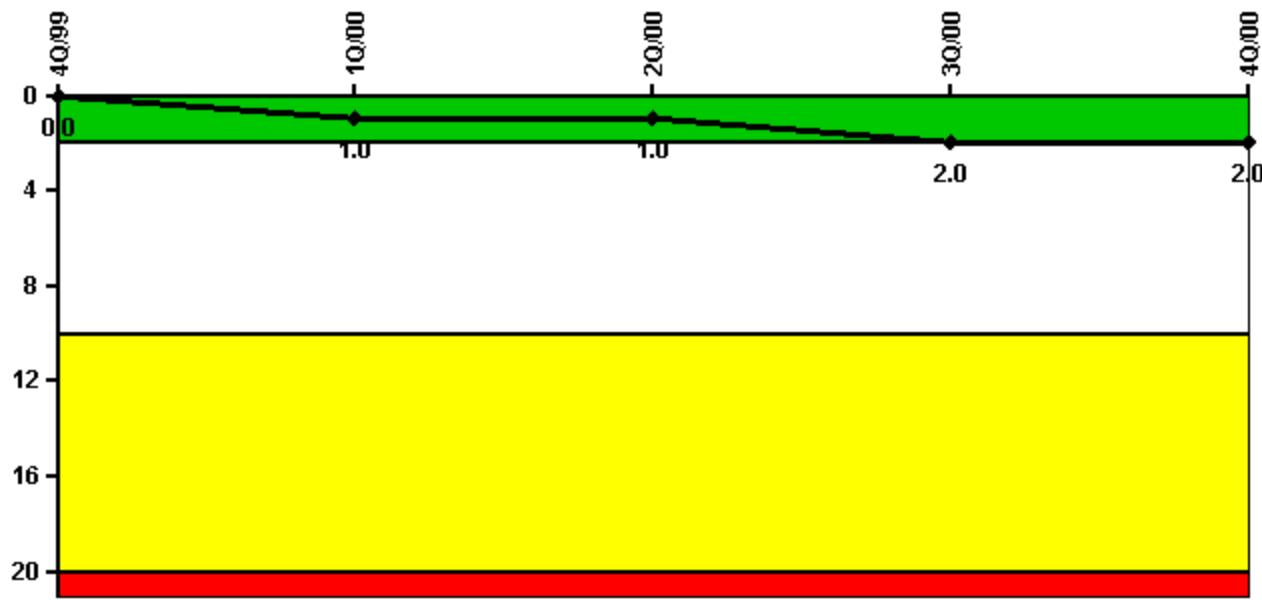
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	1.0	0	2.0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3
Indicator value	0.9	1.8	0.8	2.5	2.7

Licensee Comments:

4Q/00: Unit 1 was in a refueling outage during the month of October

**Scrams with Loss of Normal Heat Removal**

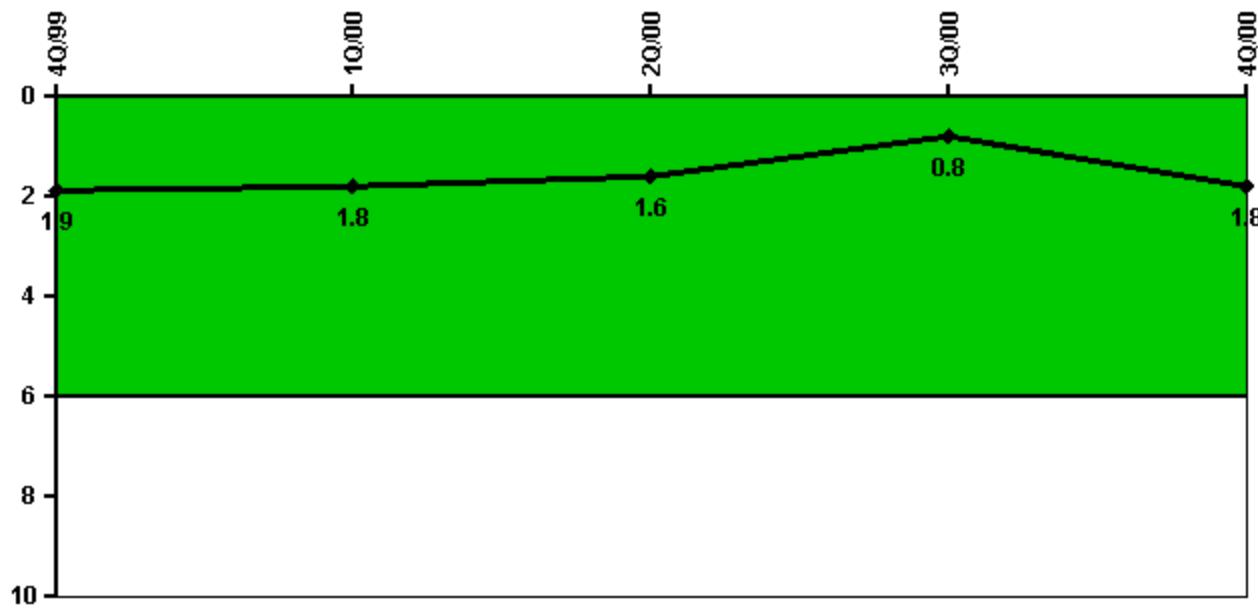
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	1.0	0	1.0	0
Indicator value	0	1.0	1.0	2.0	2.0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

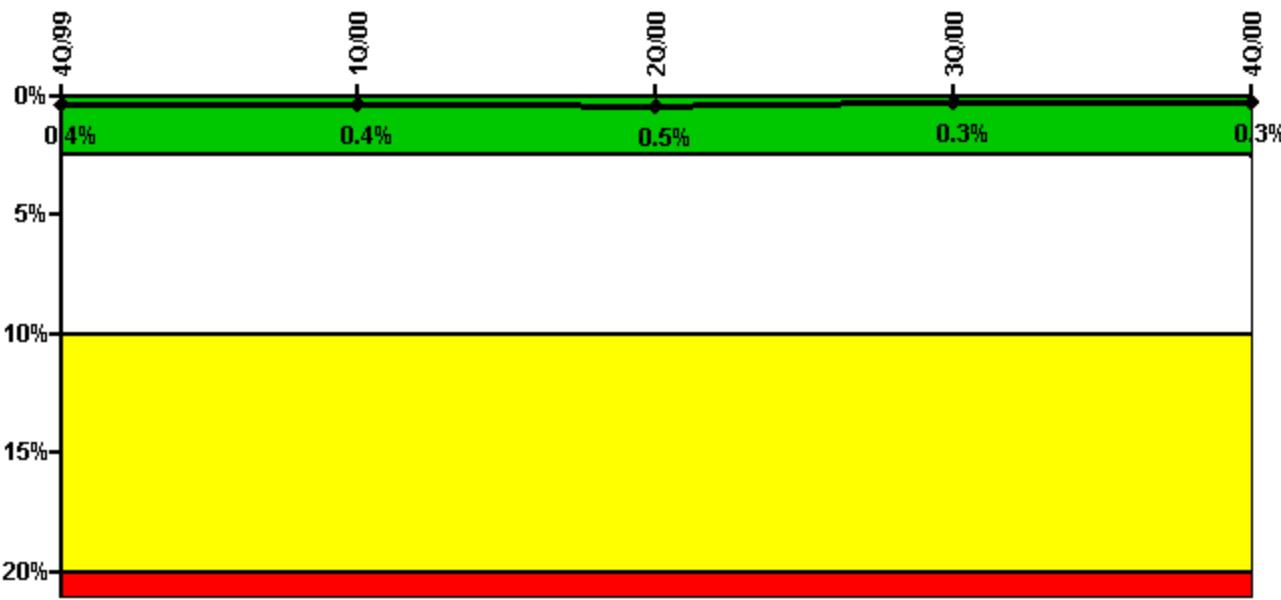
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	1.0	0	0	0	2.0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3
Indicator value	1.9	1.8	1.6	0.8	1.8

Licensee Comments:

4Q/00: Unit 1 was in a refueling outage during the month of October

## Safety System Unavailability, Emergency AC Power, >2EDG



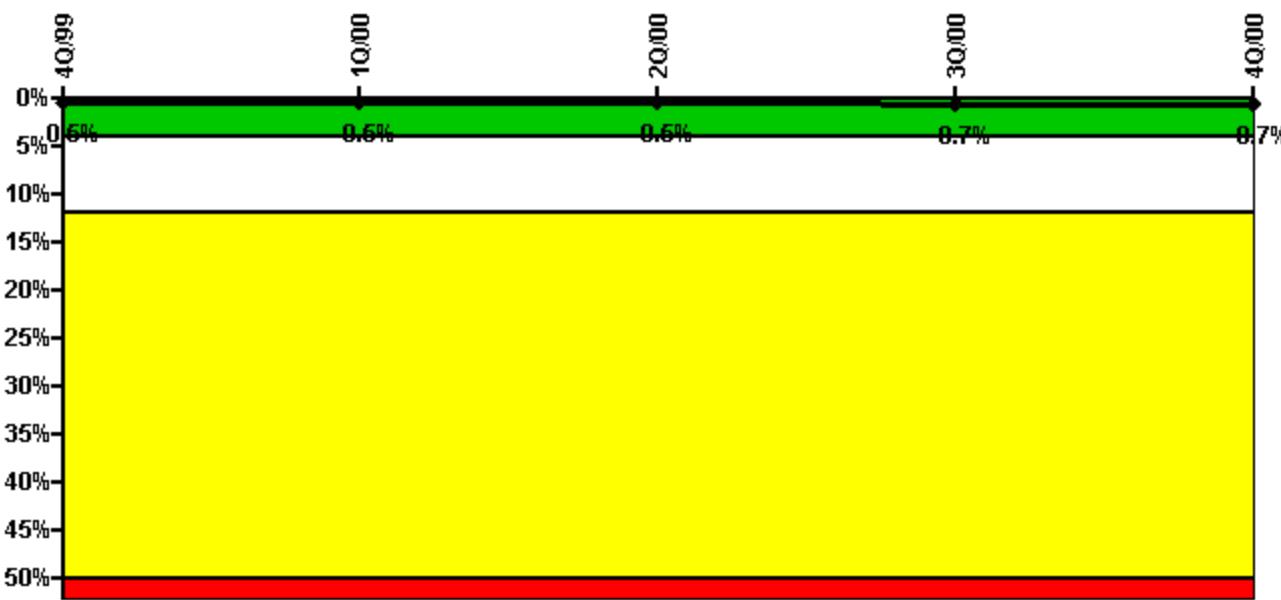
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0	0.08	0.18
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>					
Planned unavailable hours	0	0	0	0	0.72
Unplanned unavailable hours	0	0	0	0	0.17
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 3</b>					
Planned unavailable hours	0	11.95	20.00	0	8.62
Unplanned unavailable hours	0	0	51.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

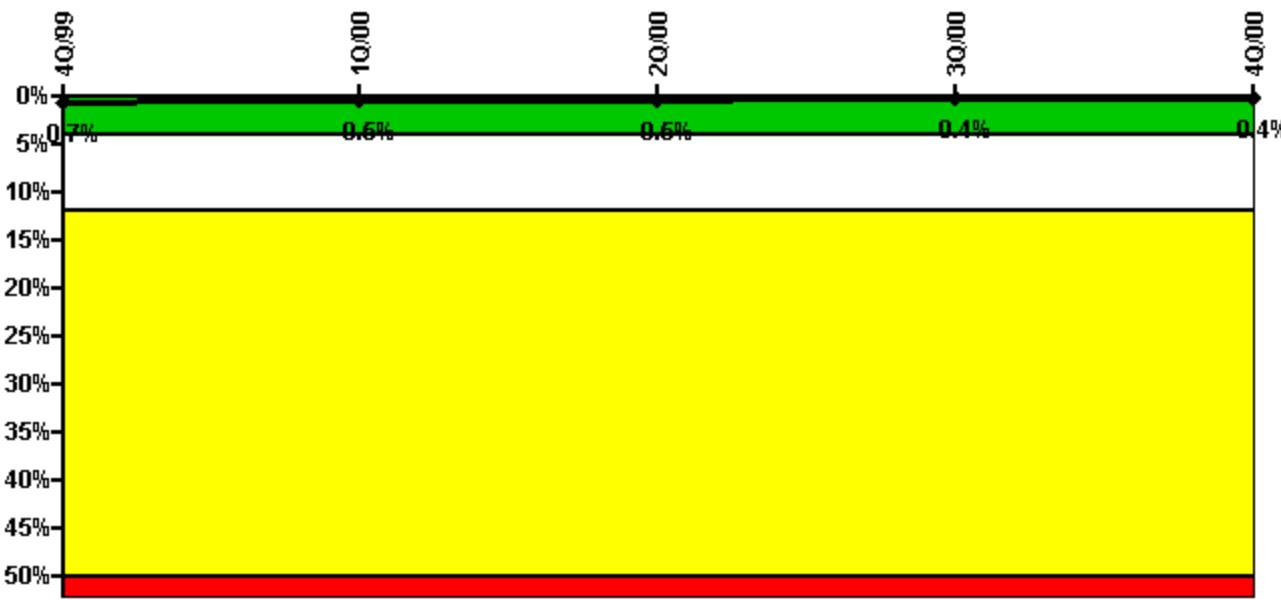
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0.88	22.54	0.88
Unplanned unavailable hours	0	0	0	67.98	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments:

4Q/00: Unit 1 was in a refueling outage during the month of October.

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0.50	0.33	32.85	1.08
Unplanned unavailable hours	0	0.13	0	0.43	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments:

4Q/00: Unit 1 was in a refueling outage during the month of October

## Safety System Unavailability, Residual Heat Removal System

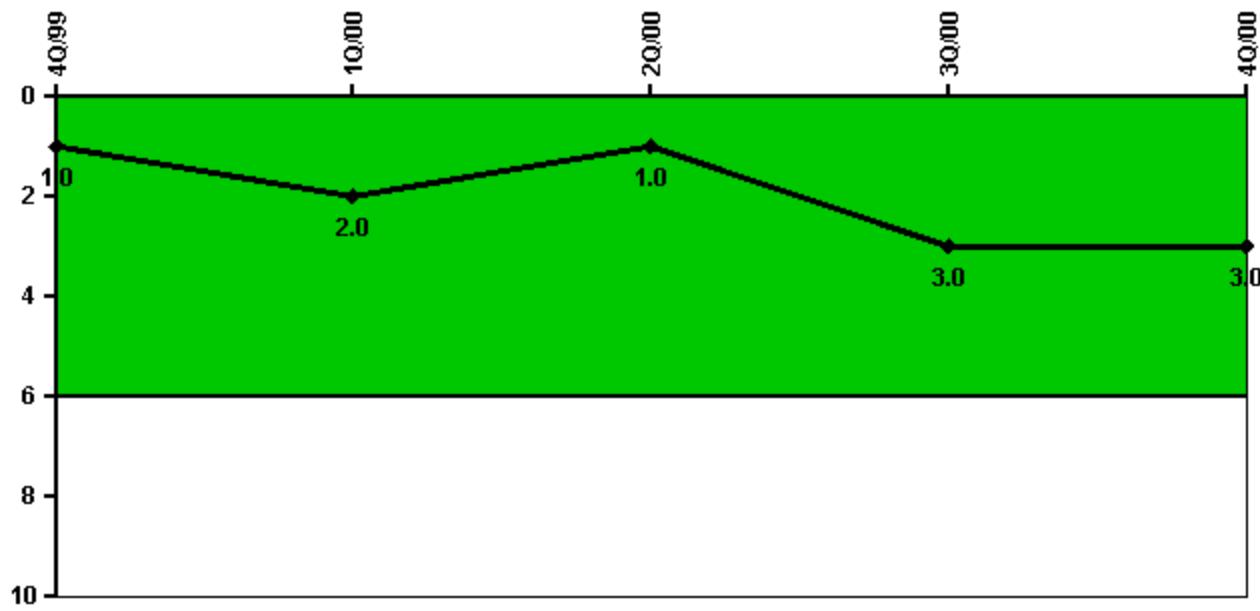


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>						
Planned unavailable hours		0	22.33	0.08	0.37	12.50
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>						
Planned unavailable hours		0	0	0	7.45	78.65
Unplanned unavailable hours		0	0	0	0	0.83
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>		<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

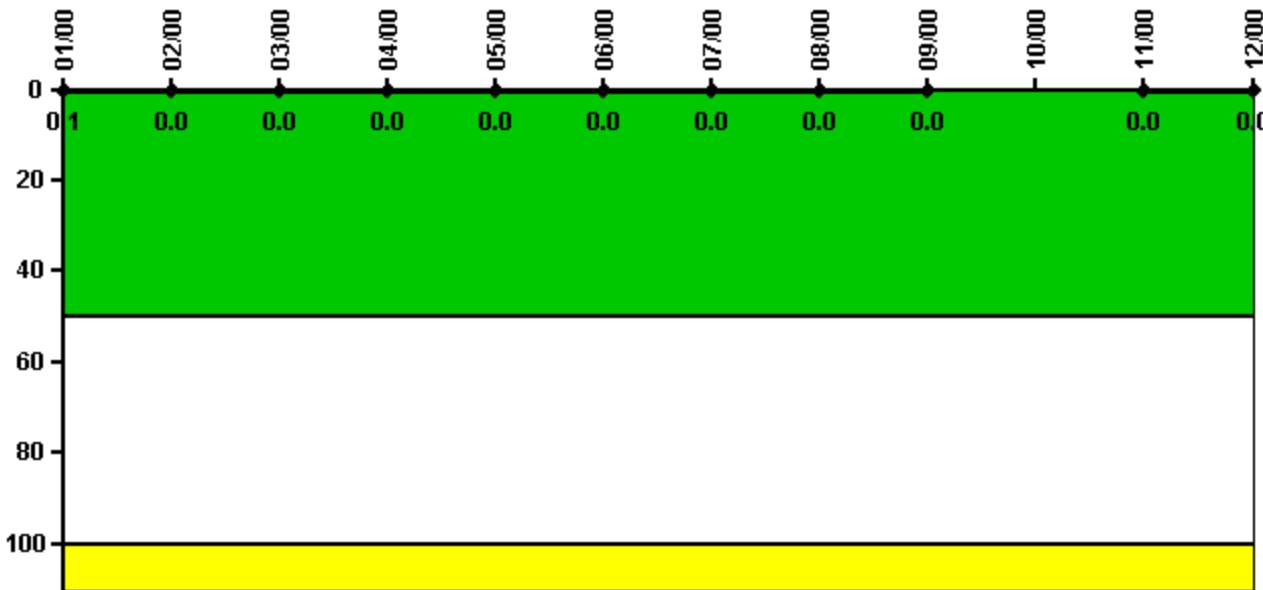
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Safety System Functional Failures	0	1	0	2	0
Indicator value	1	2	1	3	3

Licensee Comments: none

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**Reactor Coolant System Activity**

Thresholds: White > 50.0 Yellow > 100.0

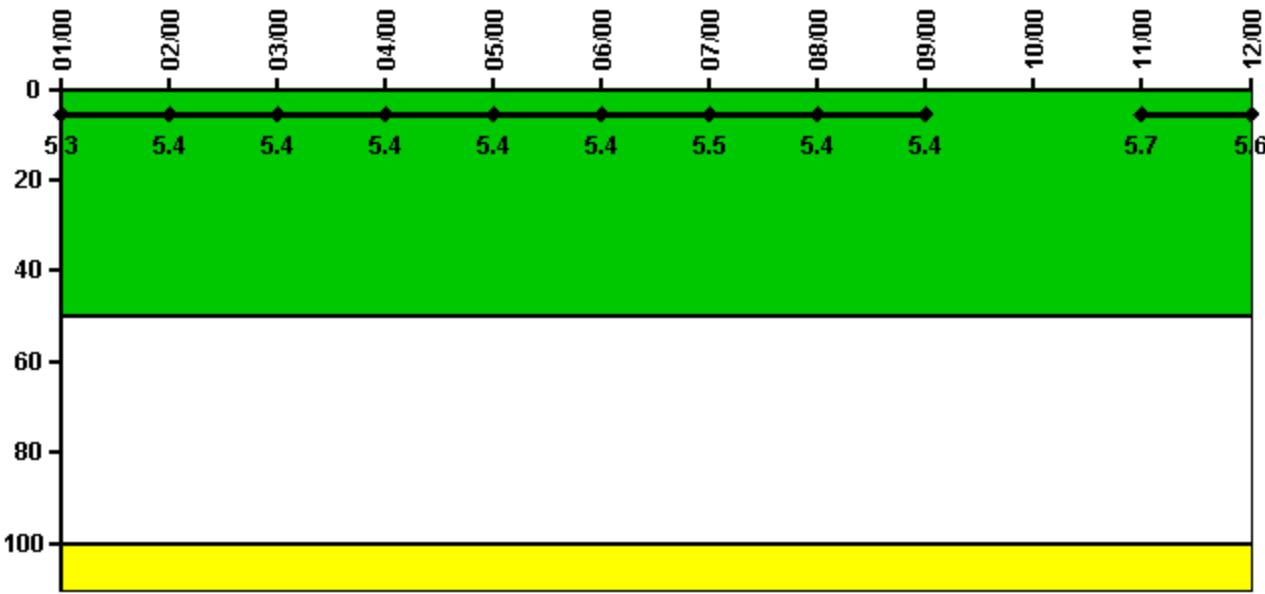
**Notes**

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050	N/A	0.000020	0.000030
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	0.1	0	0	0	0	0	0	0	0	N/A	0	0

Licensee Comments:

12/00: Unit 1 was in a refueling outage during the month of October

### Reactor Coolant System Leakage



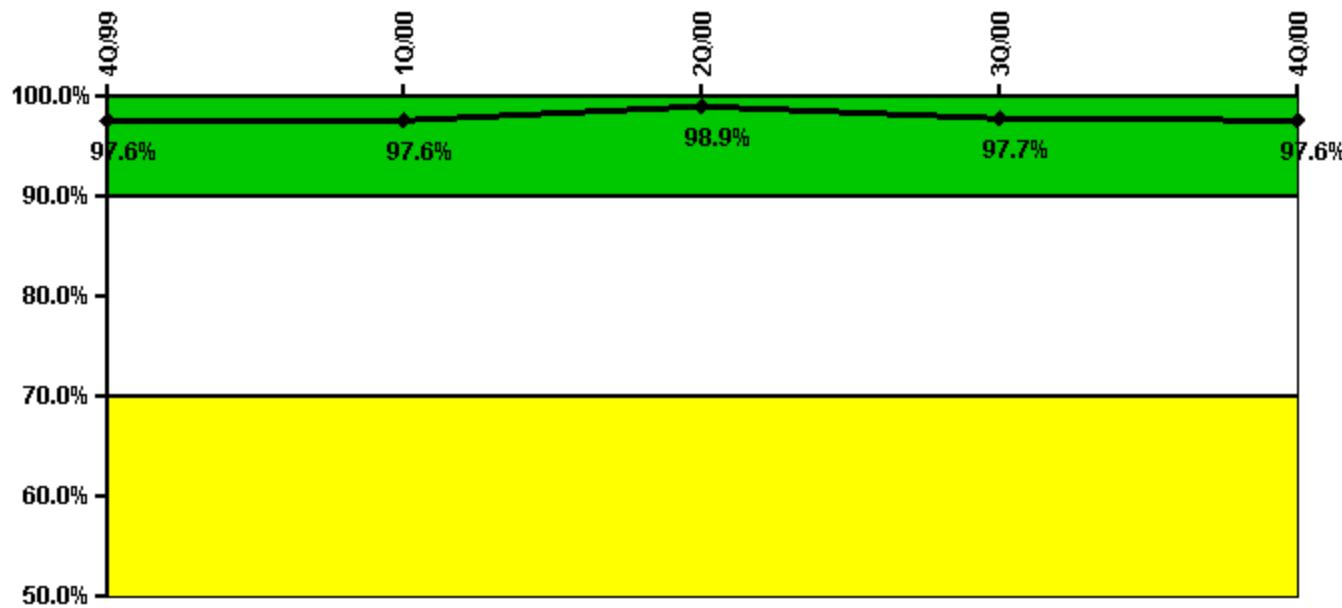
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630	N/A	1.700	1.680
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	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	N/A	5.7	5.6

Licensee Comments:

12/00: Unit 1 was in a refueling outage during the month of October

**Drill/Exercise Performance**

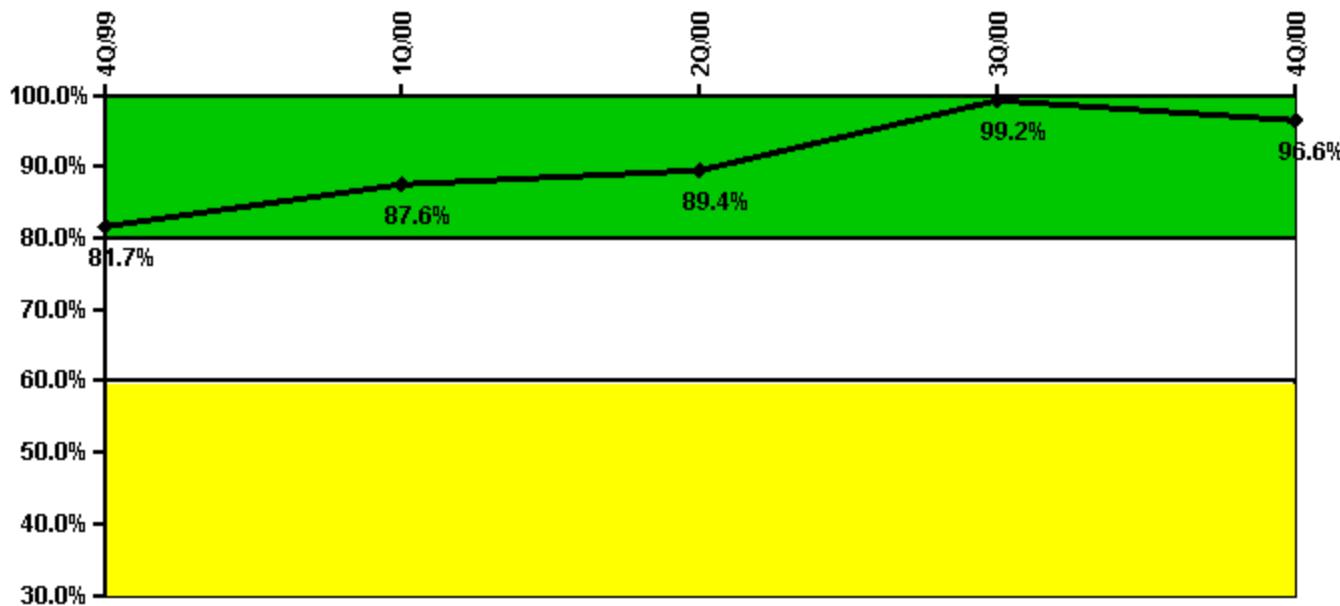
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	14.0	2.0	18.0	53.0	0
Total opportunities	14.0	2.0	19.0	55.0	0
Indicator value	97.6%	97.6%	98.9%	97.7%	97.6%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	94.0	99.0	110.0	118.0	115.0
Total Key personnel	115.0	113.0	123.0	119.0	119.0
Indicator value	81.7%	87.6%	89.4%	99.2%	96.6%

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.**

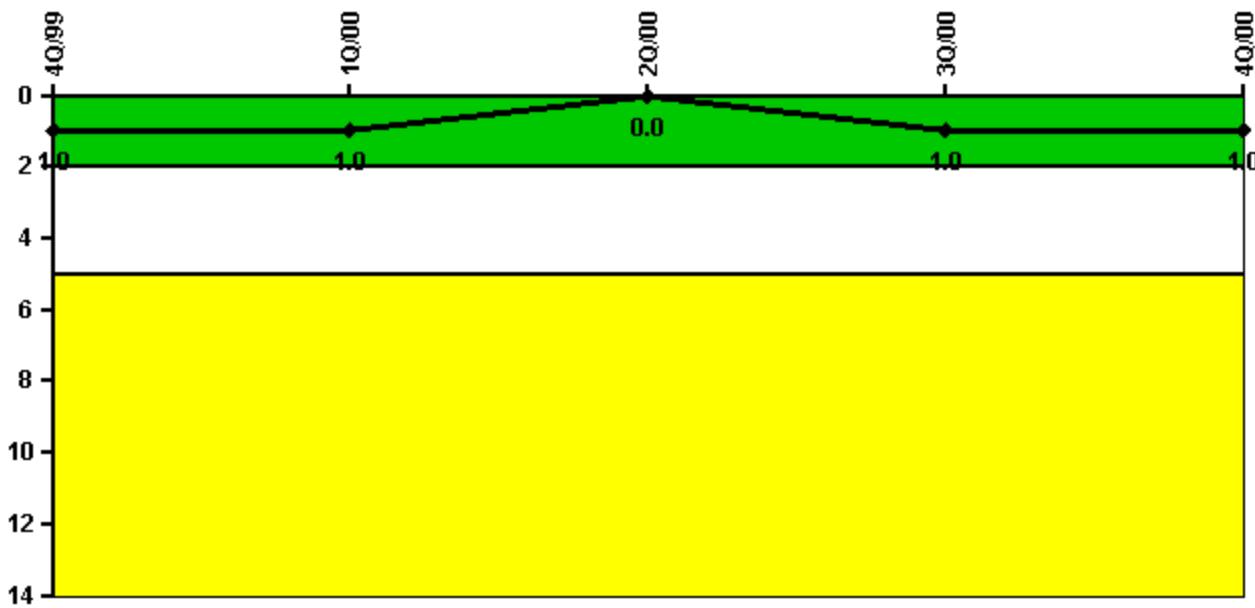
### **Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>
Successful siren-tests					
Total sirens-tests					
<b>Indicator value</b>					

Licensee Comments:

4Q/00: Plant Hatch does not use sirens as an emergency notification system.

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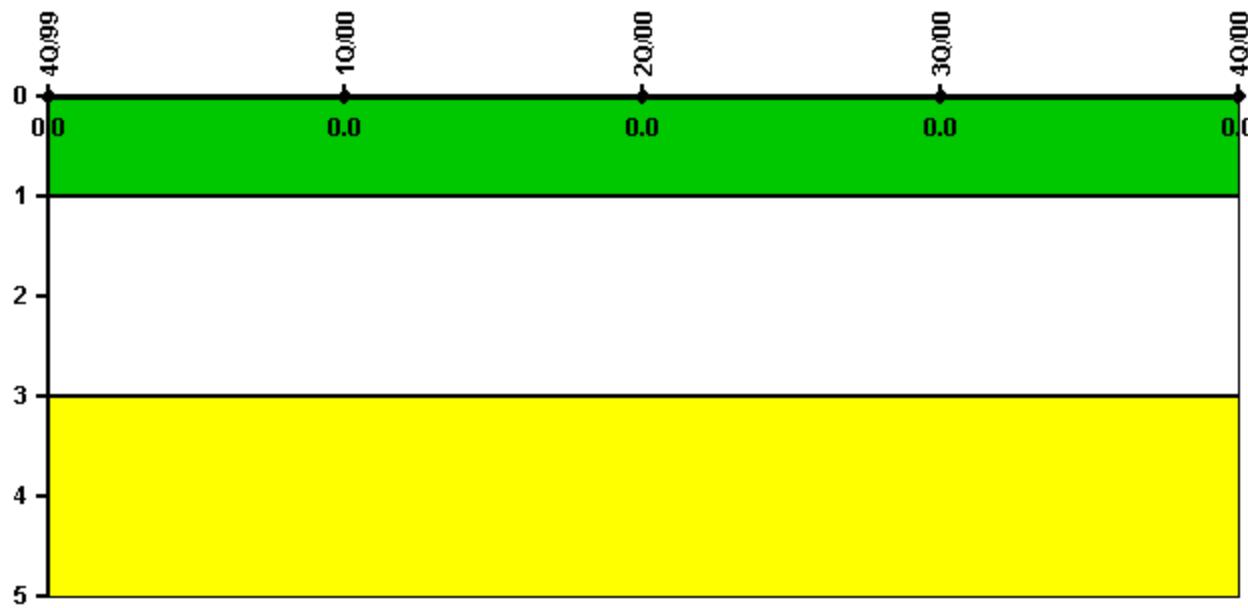
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	1	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

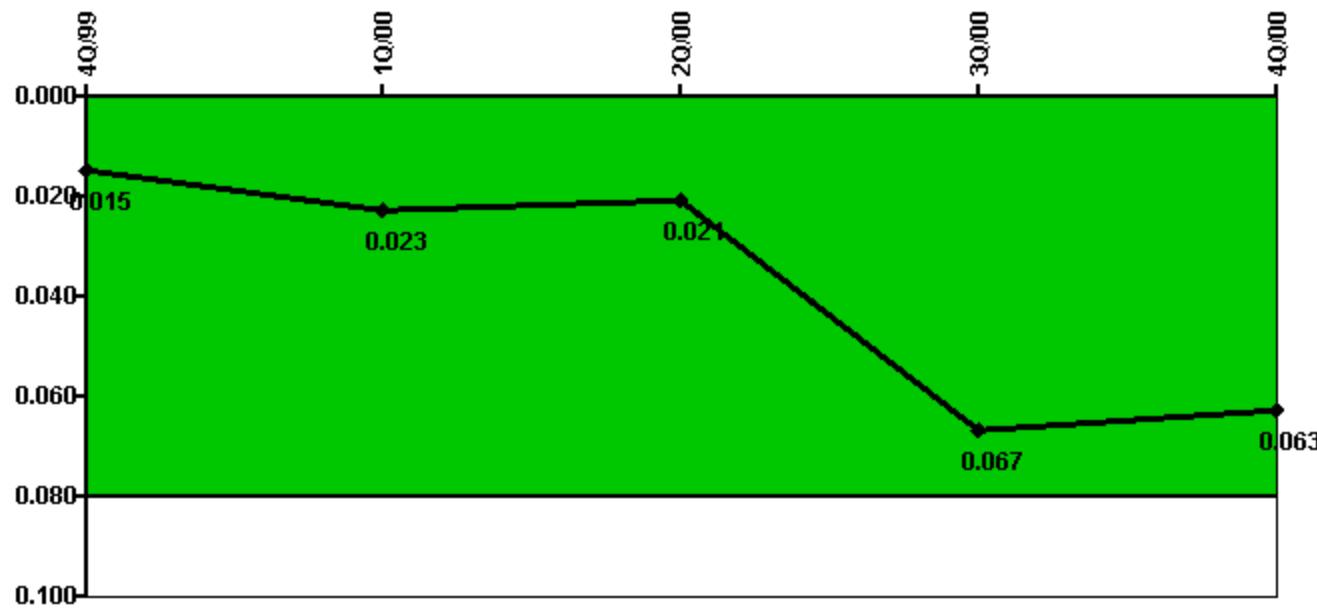
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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### Protected Area Security Performance Index



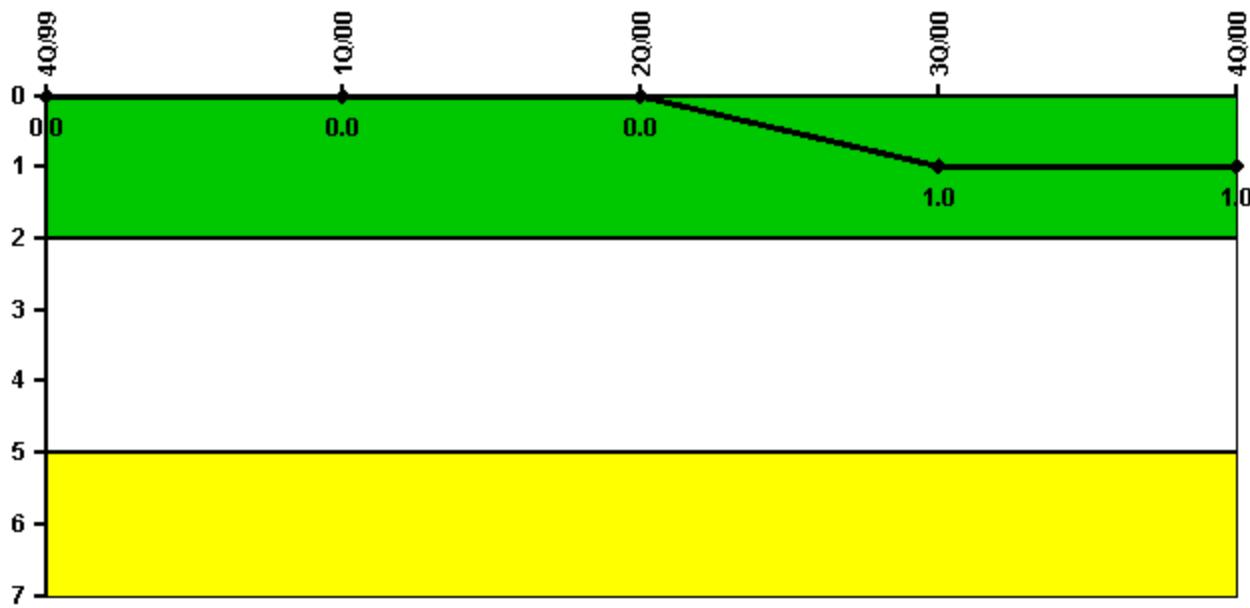
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	82.91	64.10	27.58	1013.82	19.62
CCTV compensatory hours	0	95.7	2.0	0.4	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>

Licensee Comments: none

### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

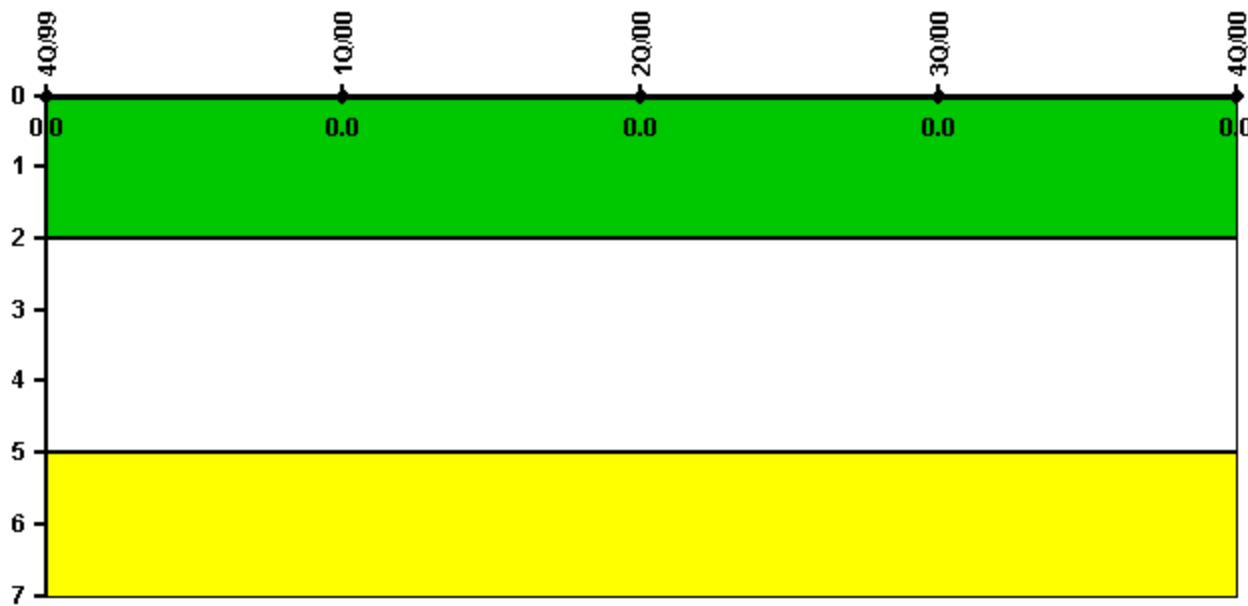
#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program failures	0	0	0	1	0
Indicator value	0	0	0	1	1

Licensee Comments: none

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## FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

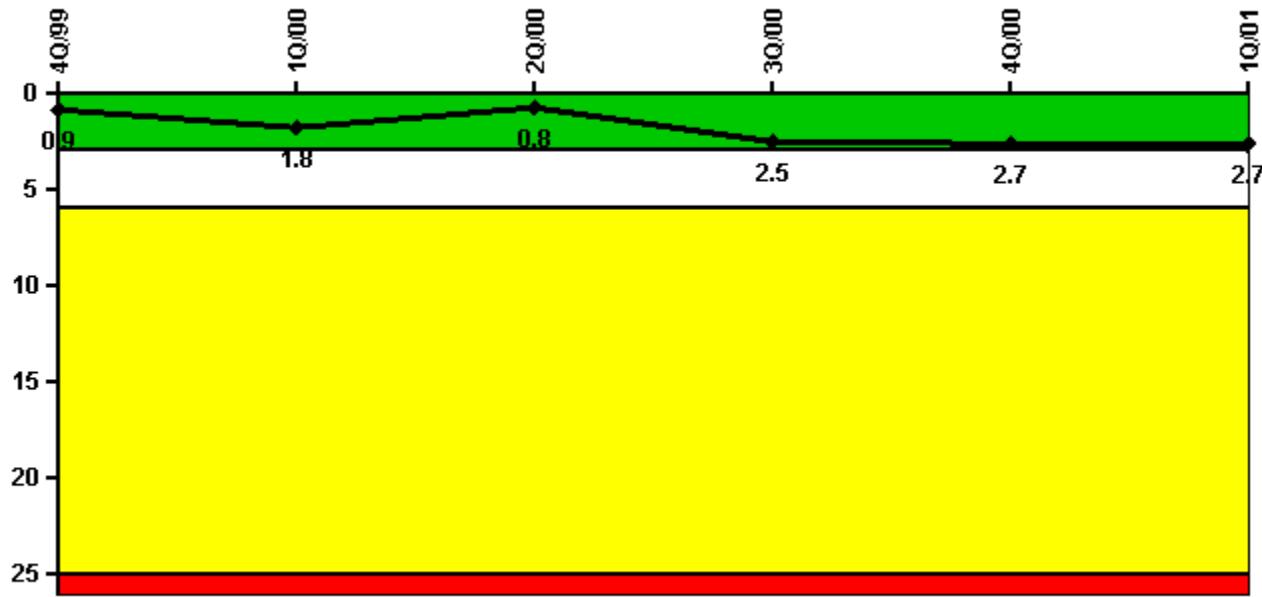


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

**Hatch 1****1Q/2001 Performance Indicators**

Licensee's General Comments: none

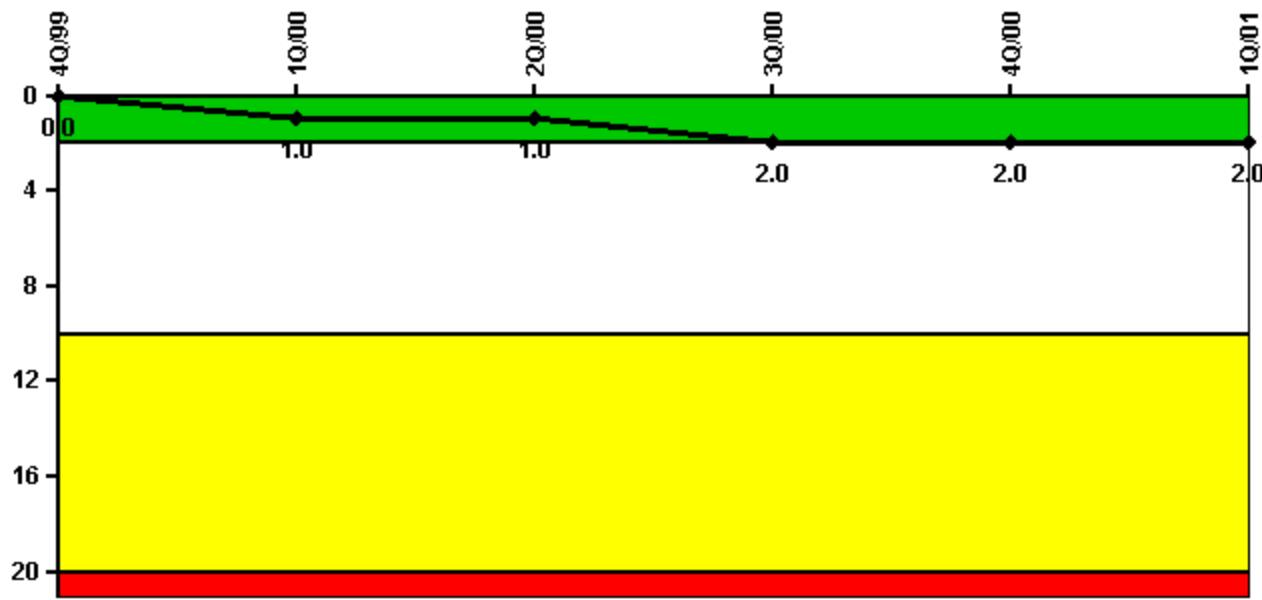
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	1.0	0	2.0	0	1.0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1
Indicator value	0.9	1.8	0.8	2.5	2.7	2.7

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

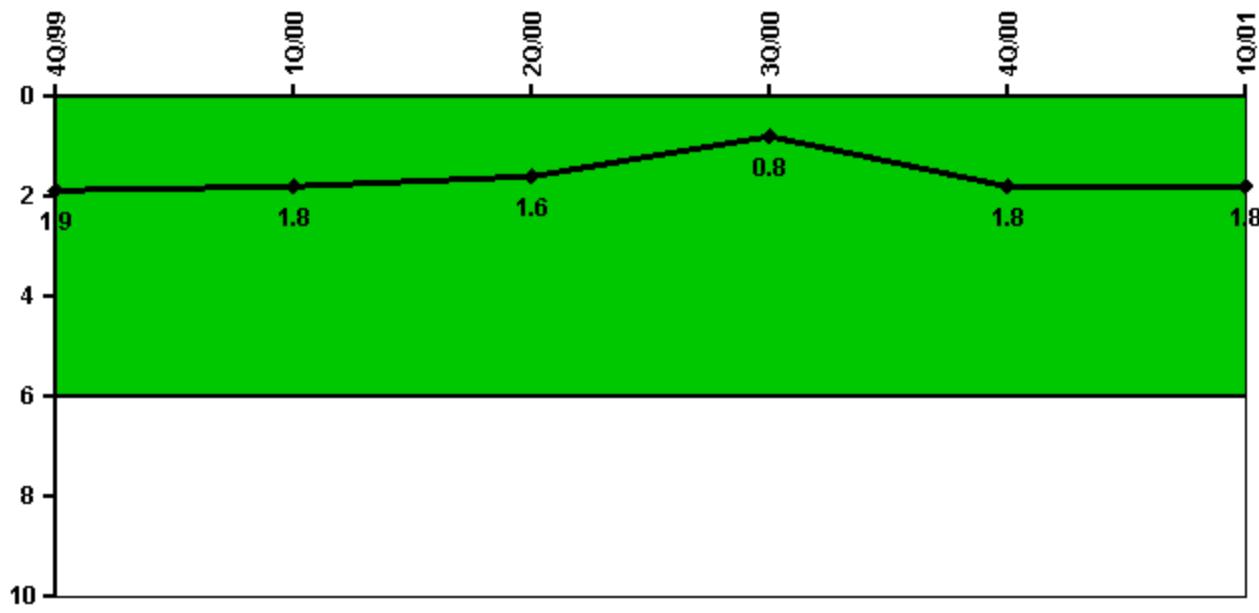
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	1.0	0	1.0	0	0
Indicator value	0	1.0	1.0	2.0	2.0	2.0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

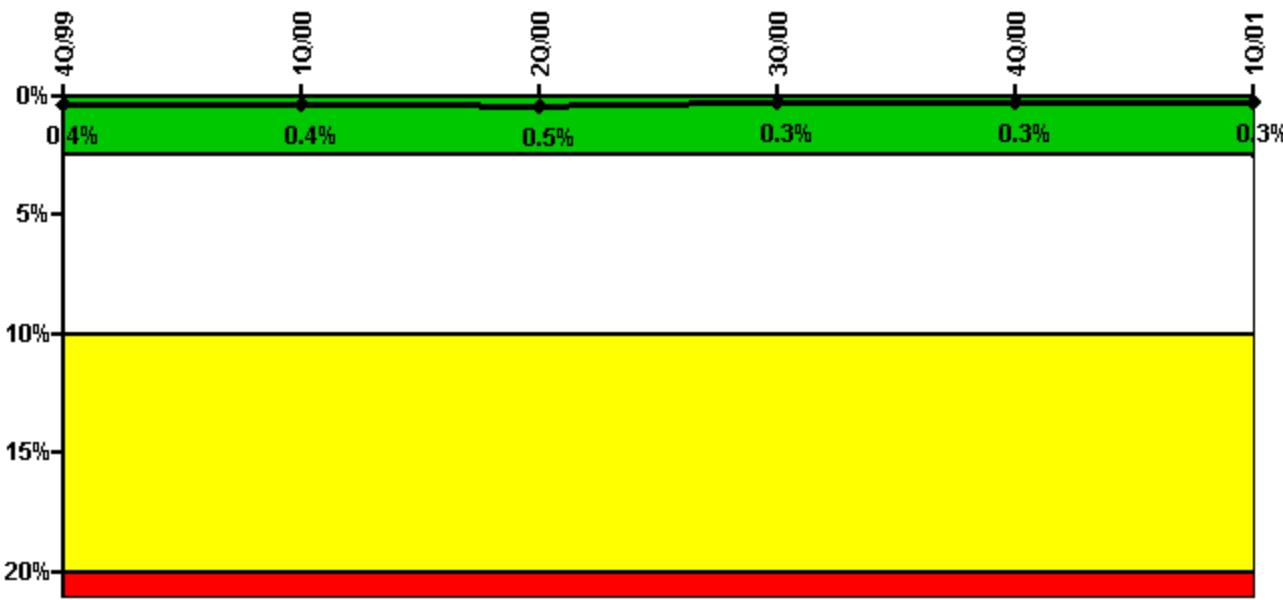
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	1.0	0	0	0	2.0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1
Indicator value	1.9	1.8	1.6	0.8	1.8	1.8

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

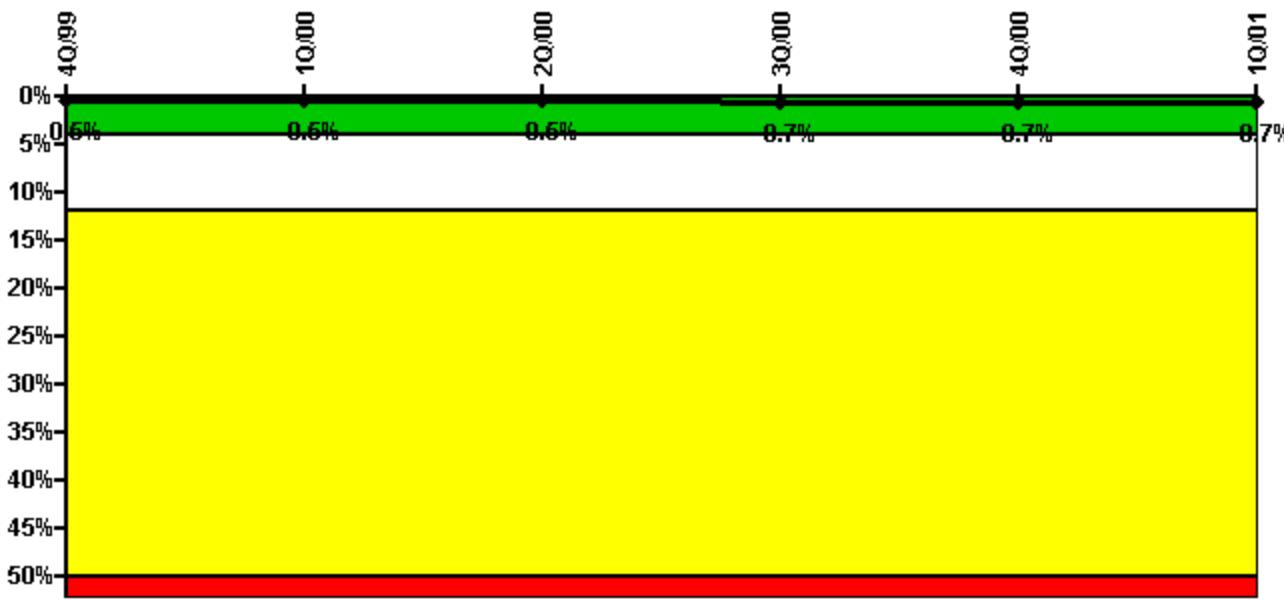


### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	0	0	0	0.08	0.18	2.00
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0	0	0	0.72	0
Unplanned unavailable hours	0	0	0	0	0.17	8.18
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>						
Planned unavailable hours	0	11.95	20.00	0	8.62	2.05
Unplanned unavailable hours	0	0	51.30	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



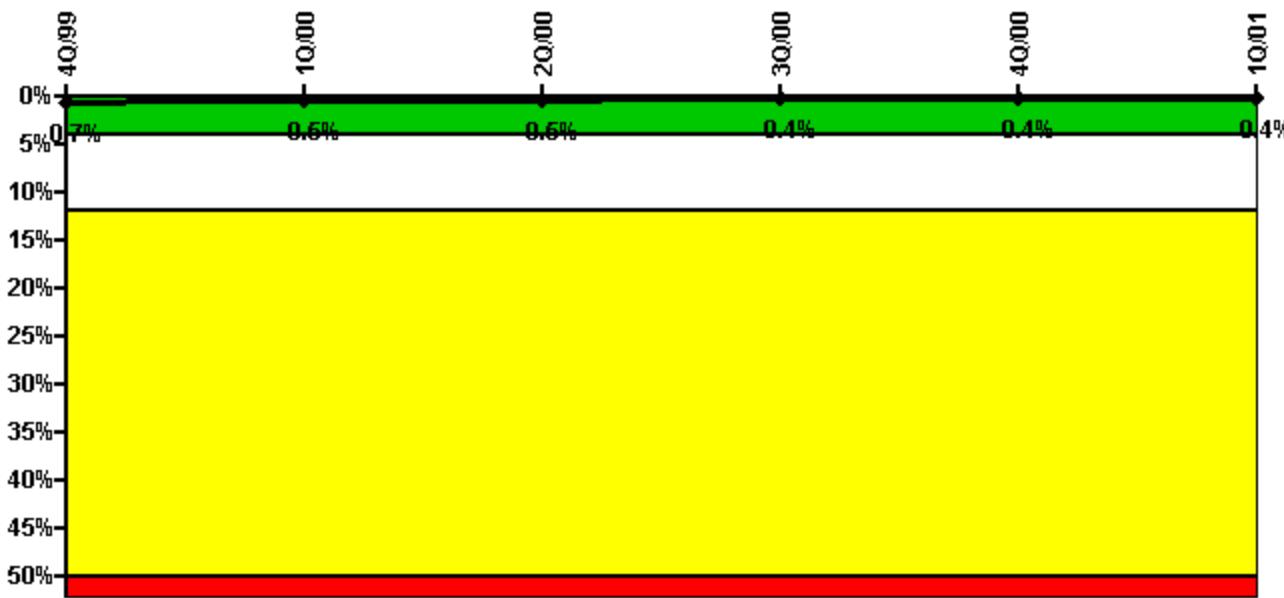
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	0	0	0.88	22.54	0.88	0
Unplanned unavailable hours	0	0	0	67.98	0	0.53
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32	2109.12
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



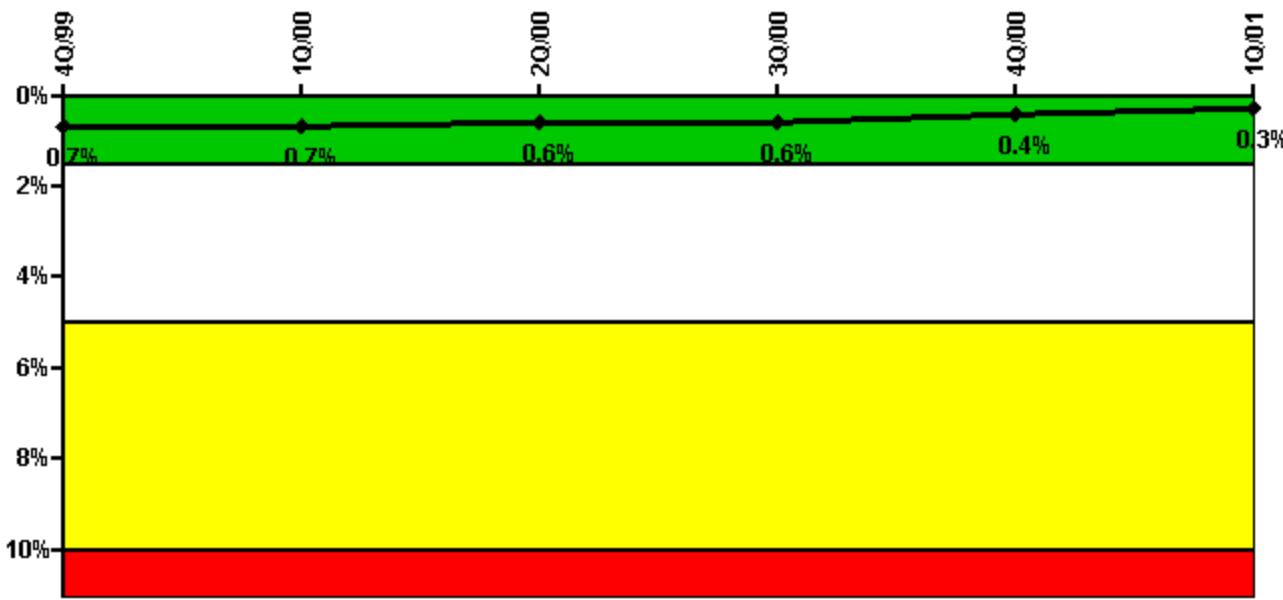
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	0	0.50	0.33	32.85	1.08	0.83
Unplanned unavailable hours	0	0.13	0	0.43	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32	2109.12
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

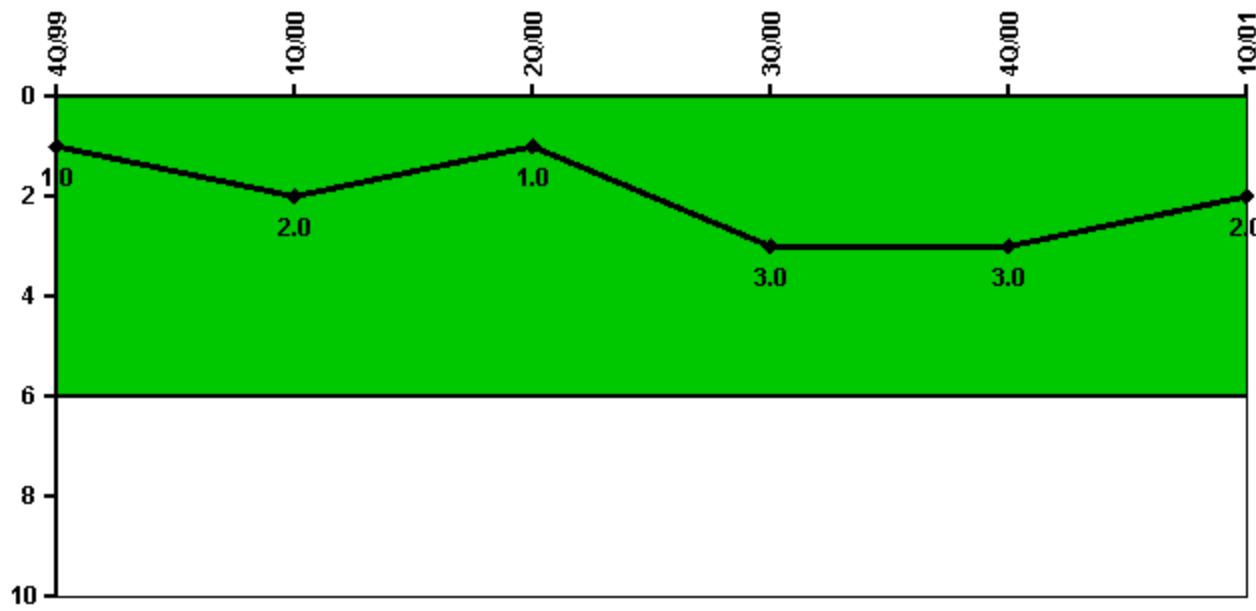


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>							
Planned unavailable hours		0	22.33	0.08	0.37	12.50	0
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>							
Planned unavailable hours		0	0	0	7.45	78.65	0
Unplanned unavailable hours		0	0	0	0	0.83	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>		<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

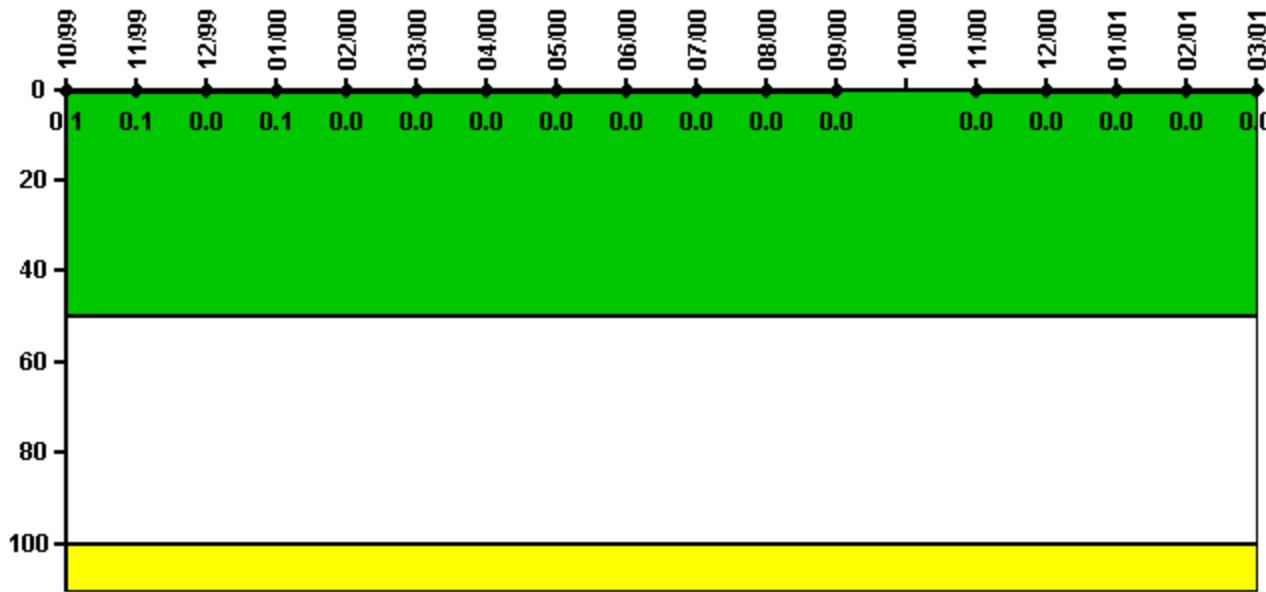
**Notes**

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	0	1	0	2	0	0
Indicator value	1	2	1	3	3	2

Licensee Comments: none

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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

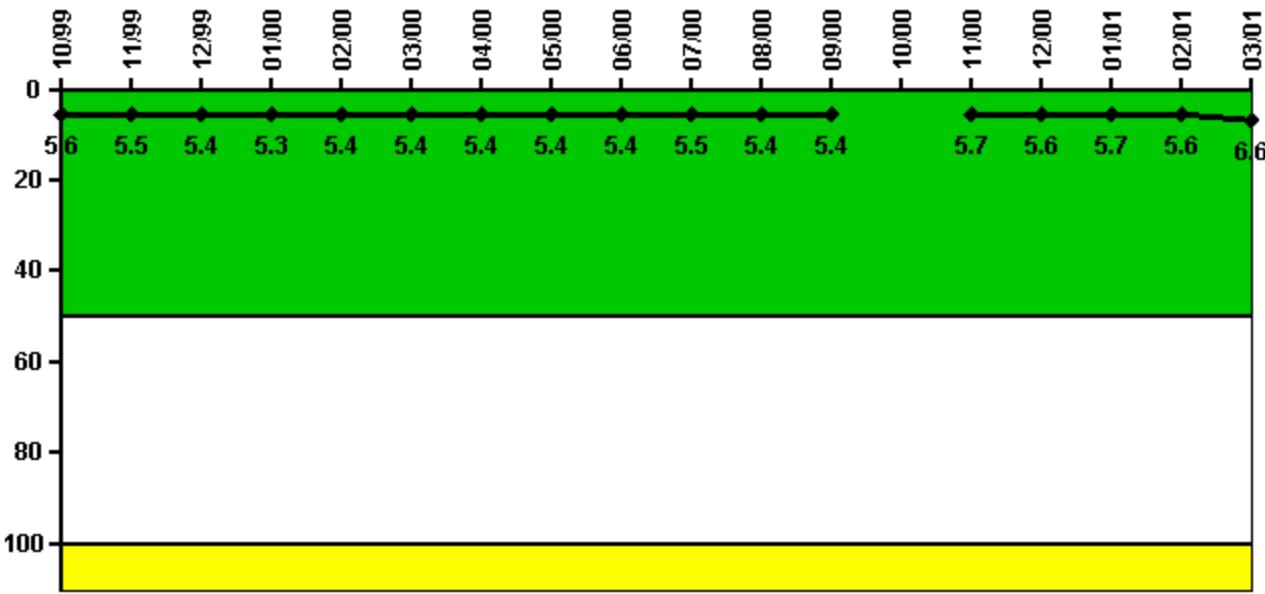
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000170	0.000140	0.000070	0.0000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	N/A	0.000020	0.000030	0.000030	0.000030	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

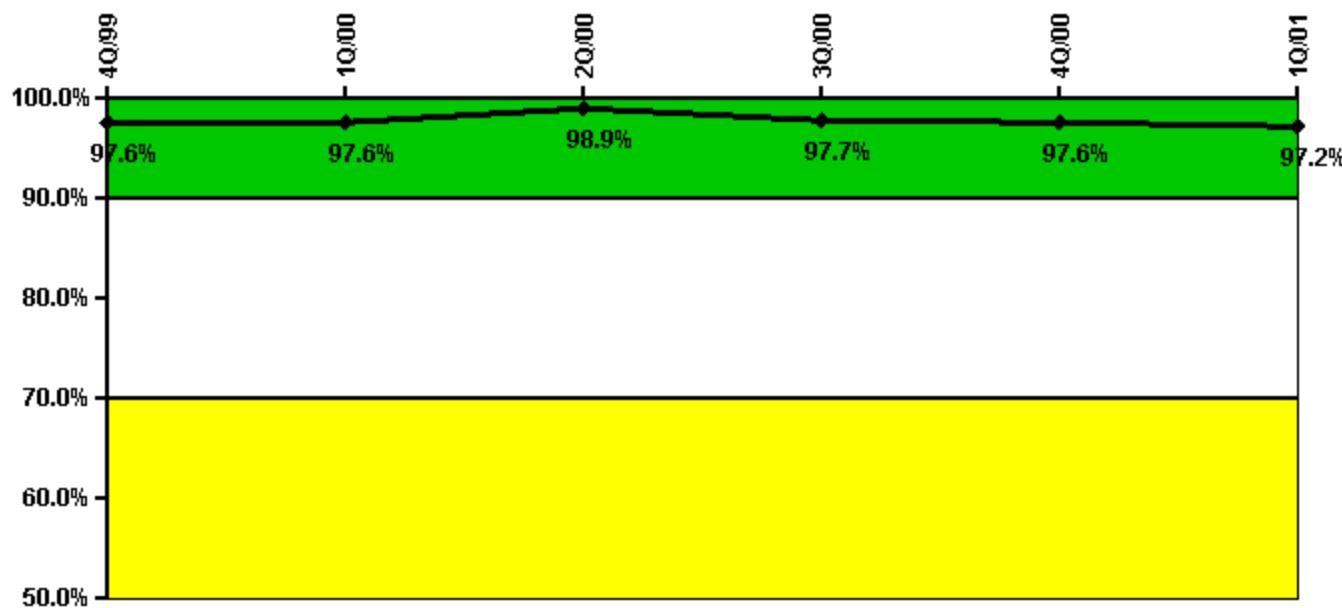
#### Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.670	1.640	1.620	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630
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	5.6	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	N/A	1.700	1.680	1.700	1.690	1.990
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	5.7	5.6	5.7	5.6	6.6

Licensee Comments: none

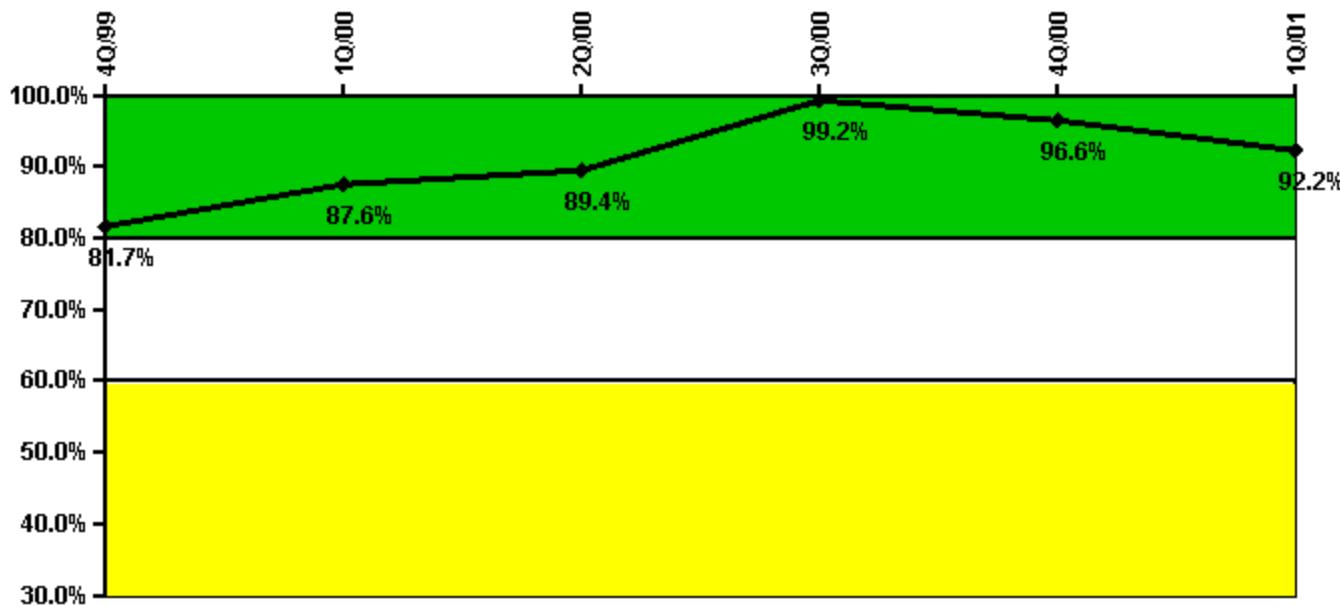
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	14.0	2.0	18.0	53.0	0	18.0
Total opportunities	14.0	2.0	19.0	55.0	0	19.0
Indicator value	97.6%	97.6%	98.9%	97.7%	97.6%	97.2%

Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	94.0	99.0	110.0	118.0	115.0	118.0
Total Key personnel	115.0	113.0	123.0	119.0	119.0	128.0
Indicator value	81.7%	87.6%	89.4%	99.2%	96.6%	92.2%

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**

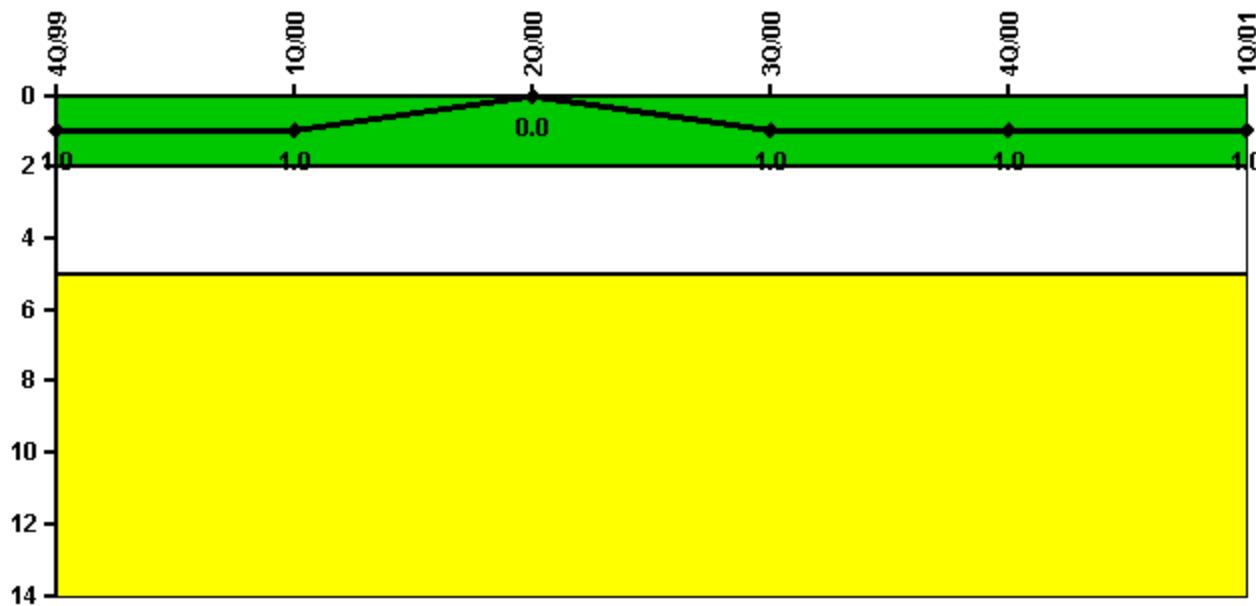
<b>Alert &amp; Notification System</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>
Successful siren-tests						
Total sirens-tests						
<b>Indicator value</b>						

Licensee Comments:

1Q/01: 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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	1	0	0
Indicator value	1	1	0	1	1	1

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

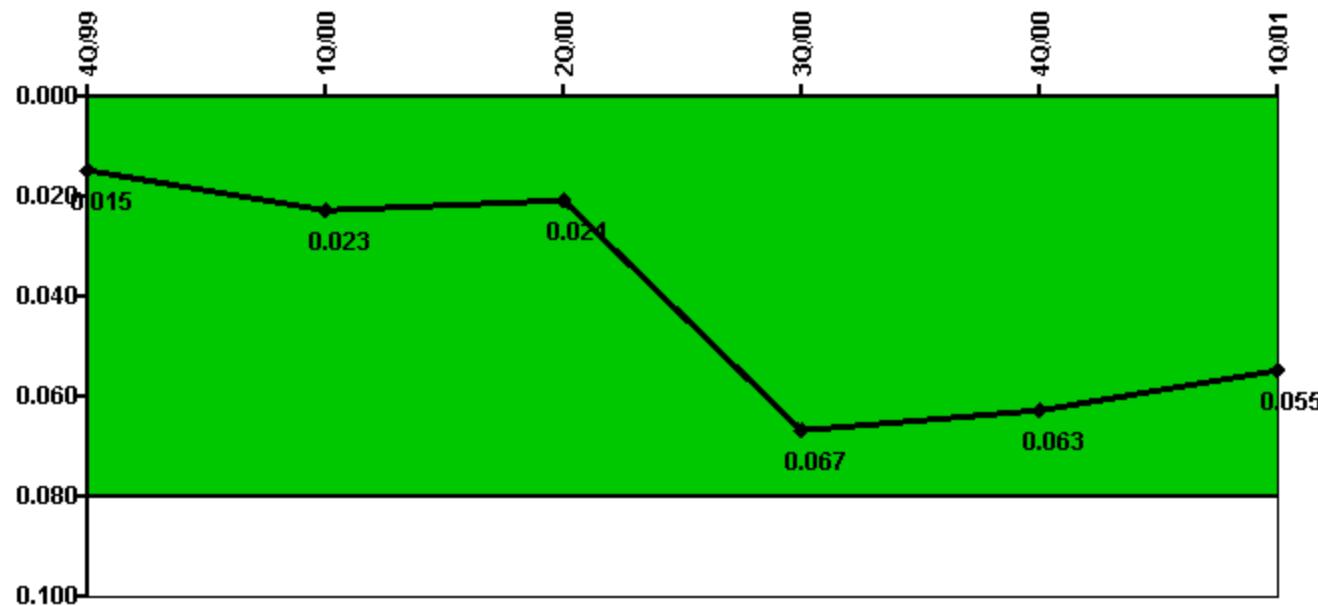
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

---

### Protected Area Security Performance Index



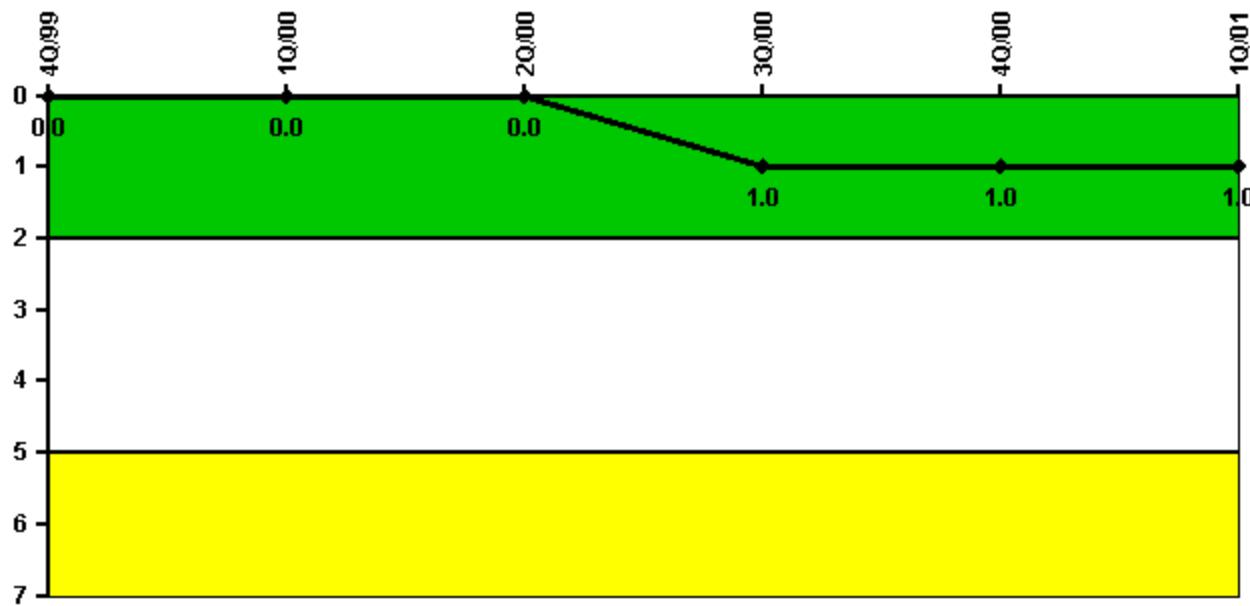
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	82.91	64.10	27.58	1013.82	19.62	0
CCTV compensatory hours	0	95.7	2.0	0.4	0	1.1
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>

Licensee Comments: none

### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	1	0	0
Indicator value	0	0	0	1	1	1

Licensee Comments: none

---

## FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

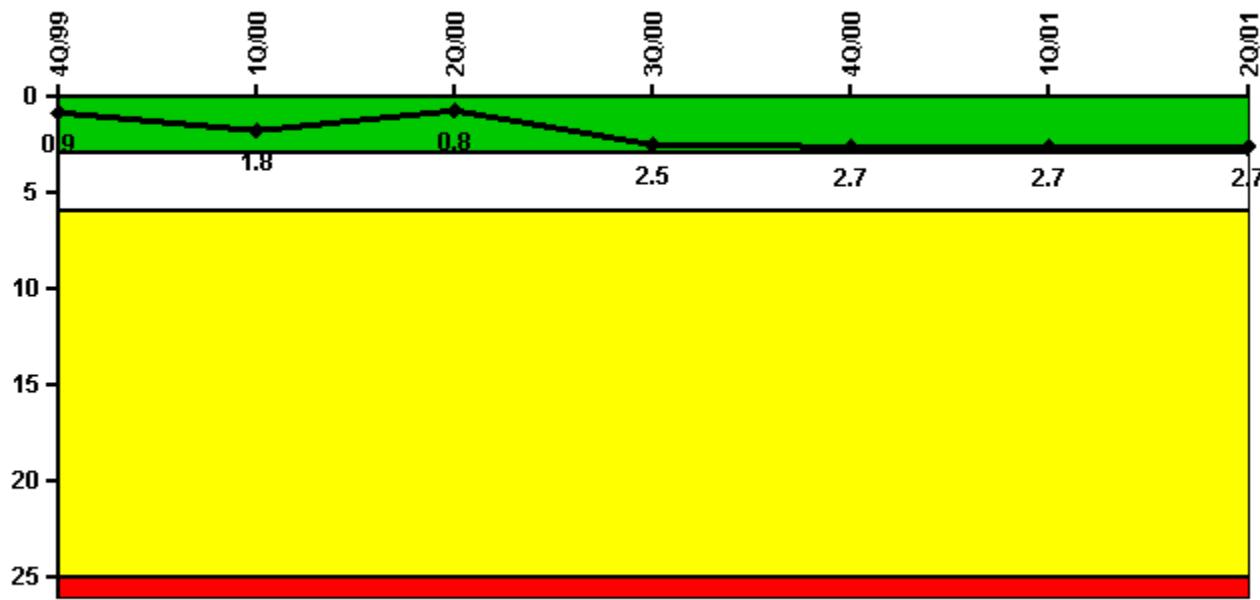


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

**Hatch 1****2Q/2001 Performance Indicators**

Licensee's General Comments: none

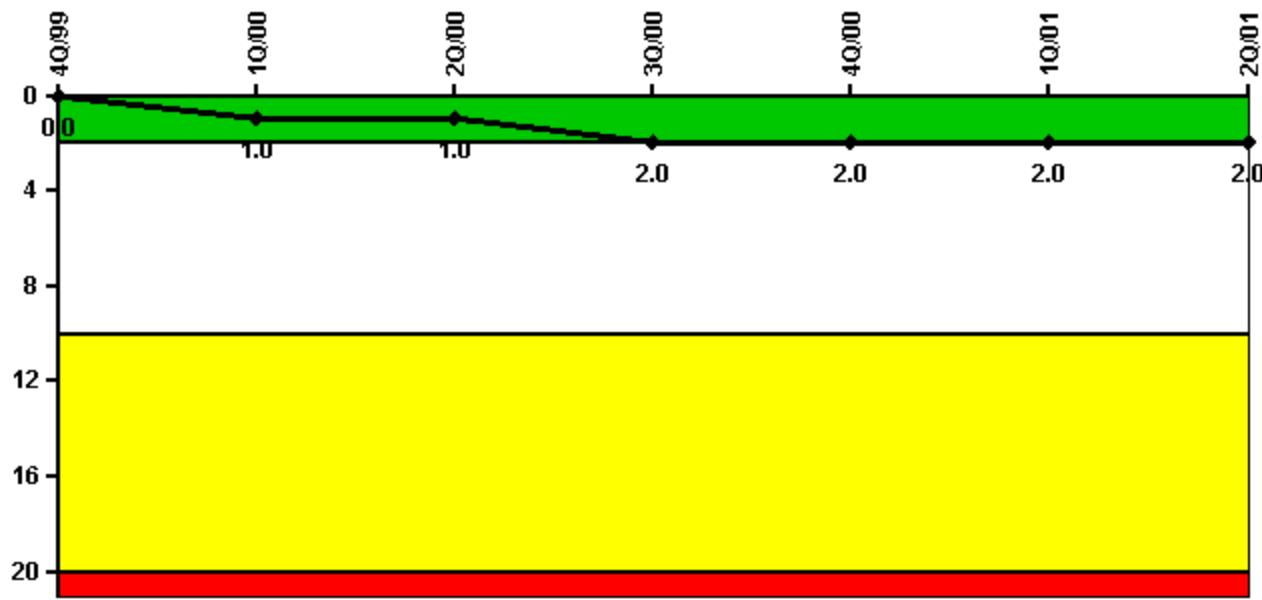
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	1.0	0	2.0	0	1.0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0
Indicator value	0.9	1.8	0.8	2.5	2.7	2.7	2.7

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

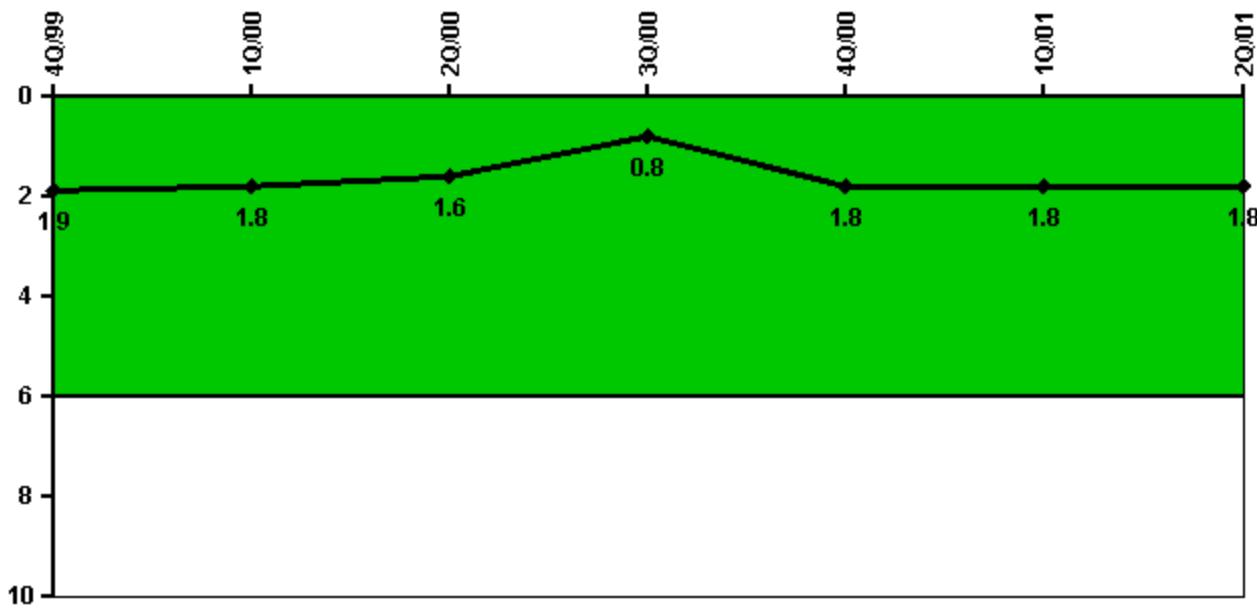
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	1.0	0	1.0	0	0	0
Indicator value	0	1.0	1.0	2.0	2.0	2.0	2.0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

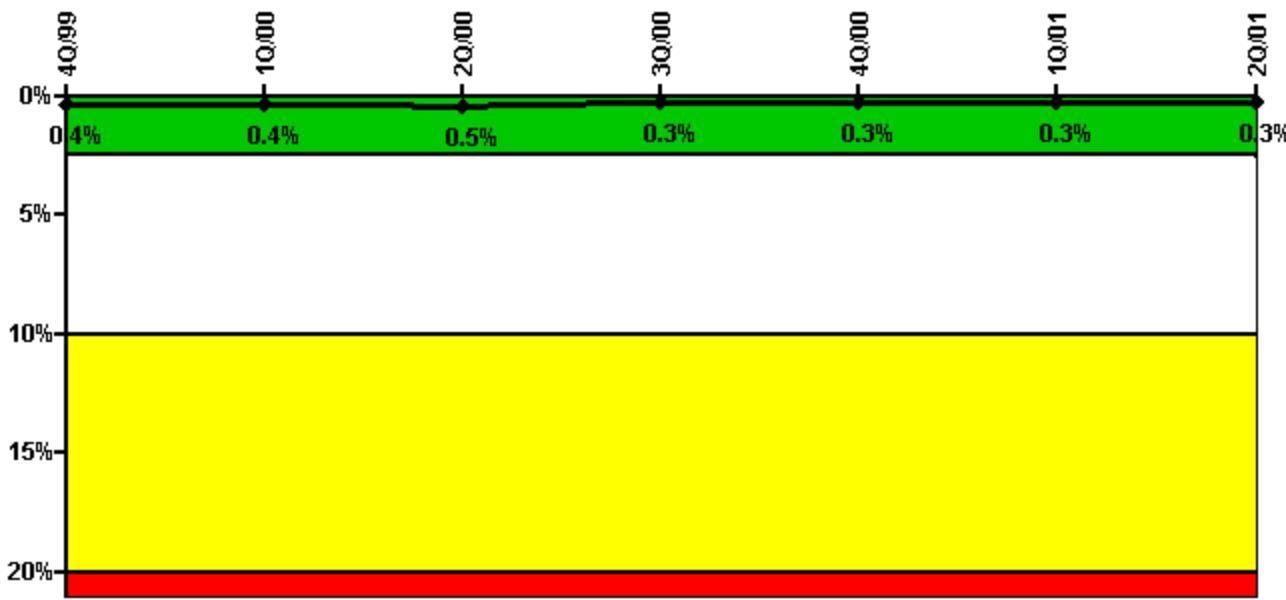
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	1.0	0	0	0	2.0	0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0
Indicator value	1.9	1.8	1.6	0.8	1.8	1.8	1.8

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



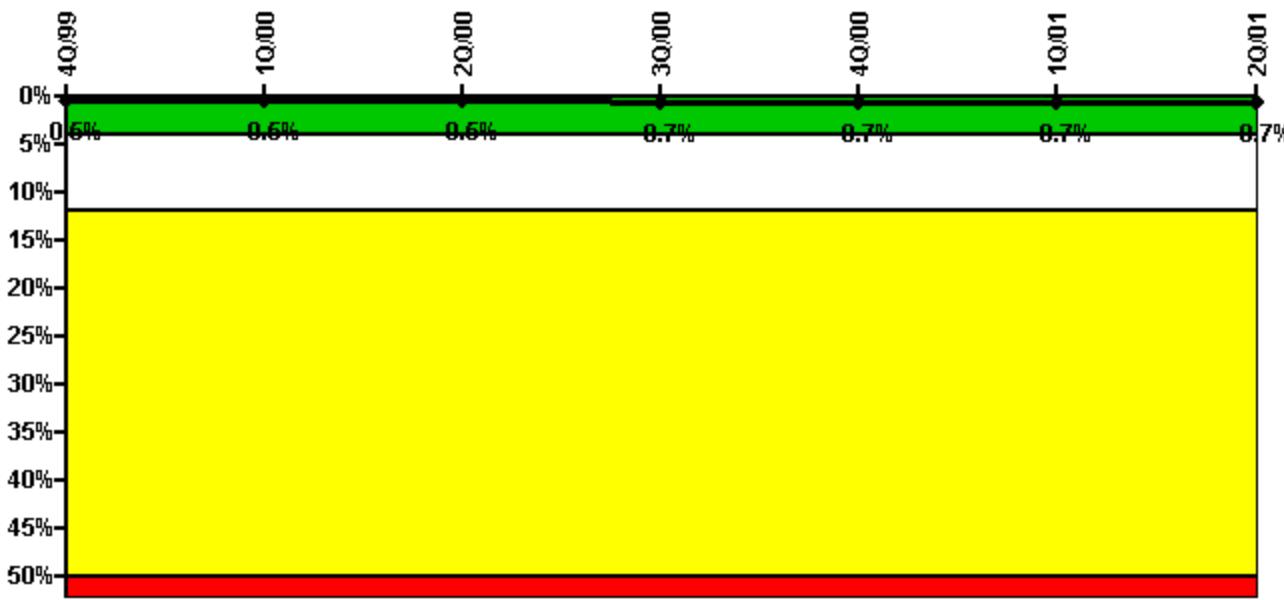
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	0	0	0.08	0.18	2.00	0.05
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	0	0	0	0	0.72	0	0.32
Unplanned unavailable hours	0	0	0	0	0.17	8.18	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>							
Planned unavailable hours	0	11.95	20.00	0	8.62	2.05	1.97
Unplanned unavailable hours	0	0	51.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



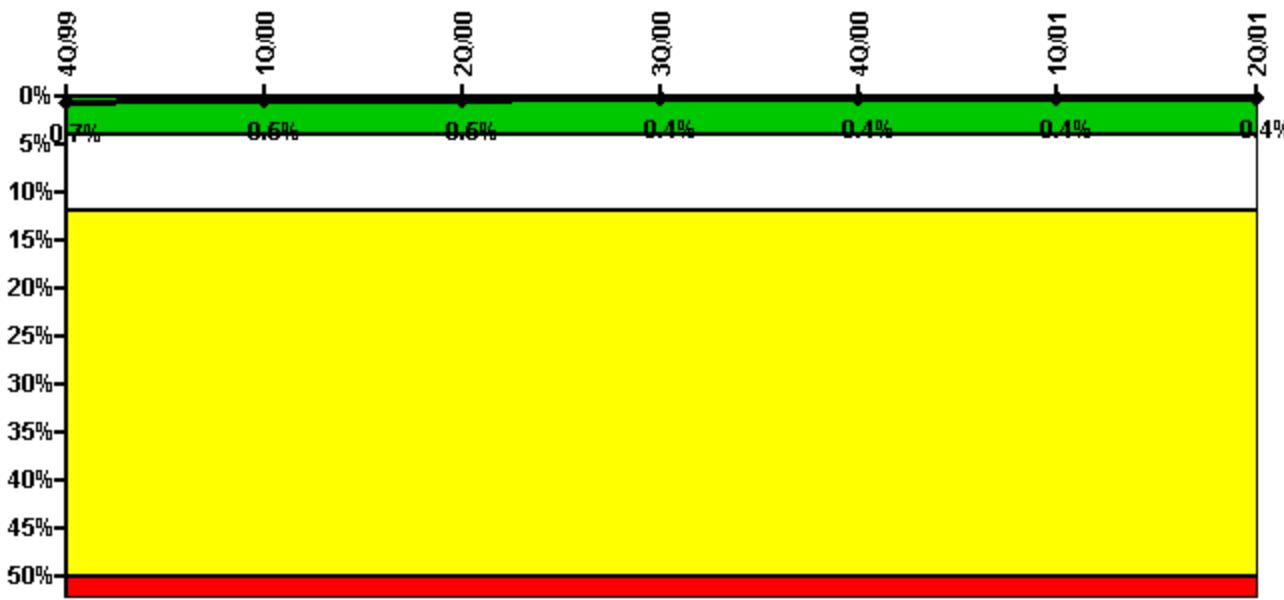
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	0	0.88	22.54	0.88	0	0
Unplanned unavailable hours	0	0	0	67.98	0	0.53	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



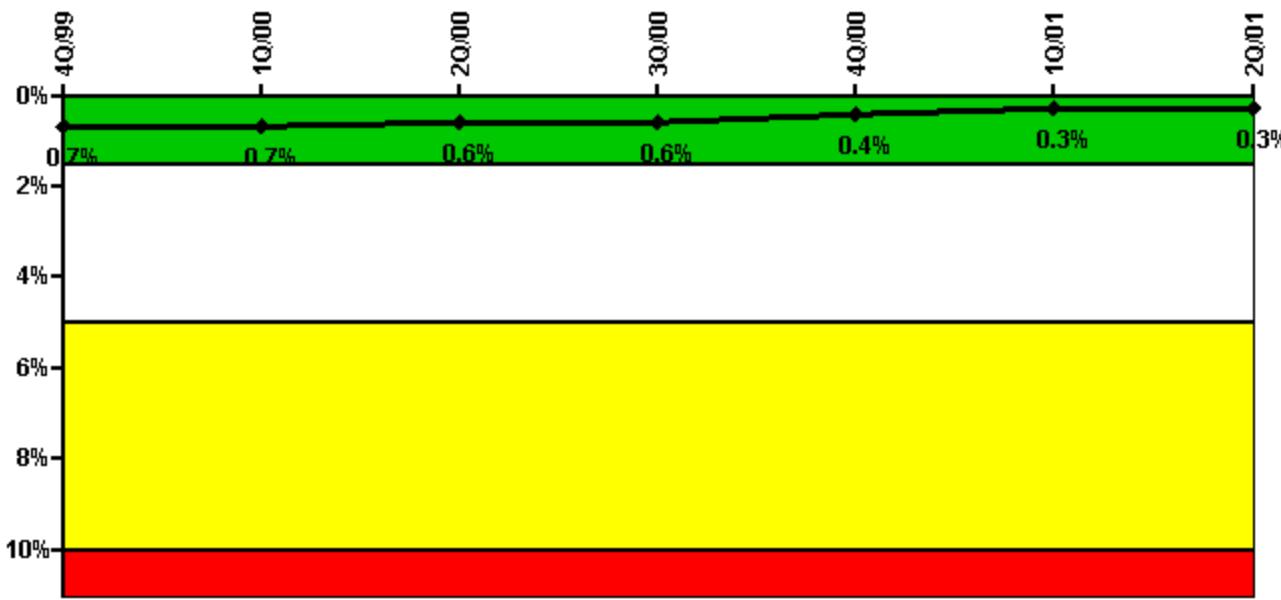
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	0.50	0.33	32.85	1.08	0.83	0.42
Unplanned unavailable hours	0	0.13	0	0.43	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

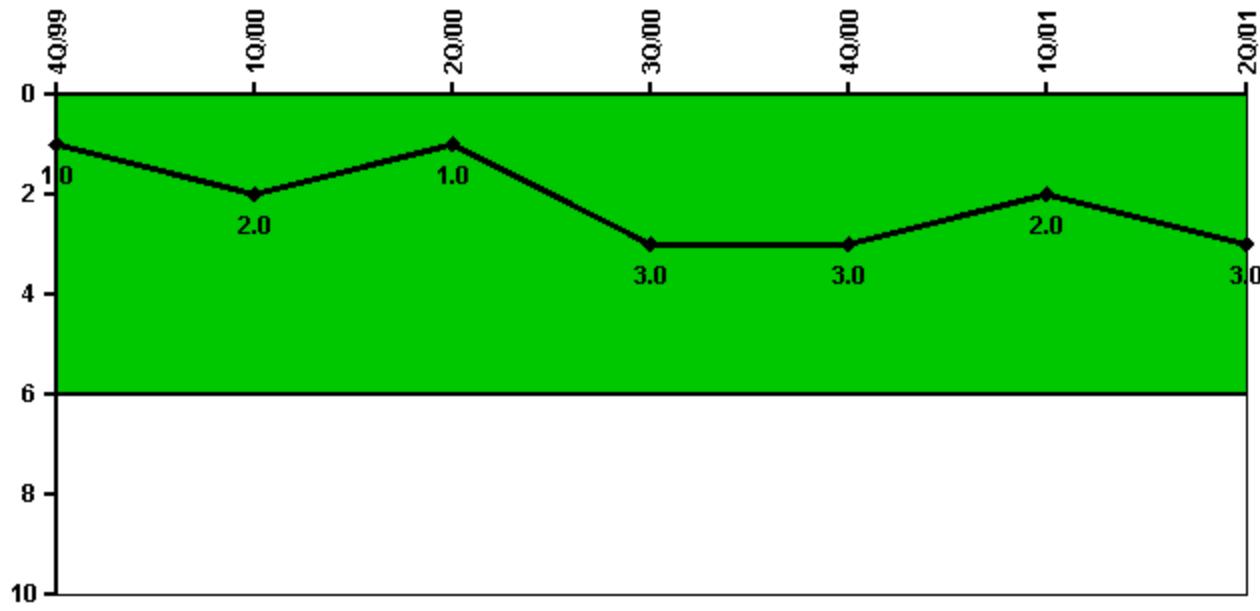


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	22.33	0.08	0.37	12.50	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	0	0	0	7.45	78.65	0	0
Unplanned unavailable hours	0	0	0	0	0.83	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

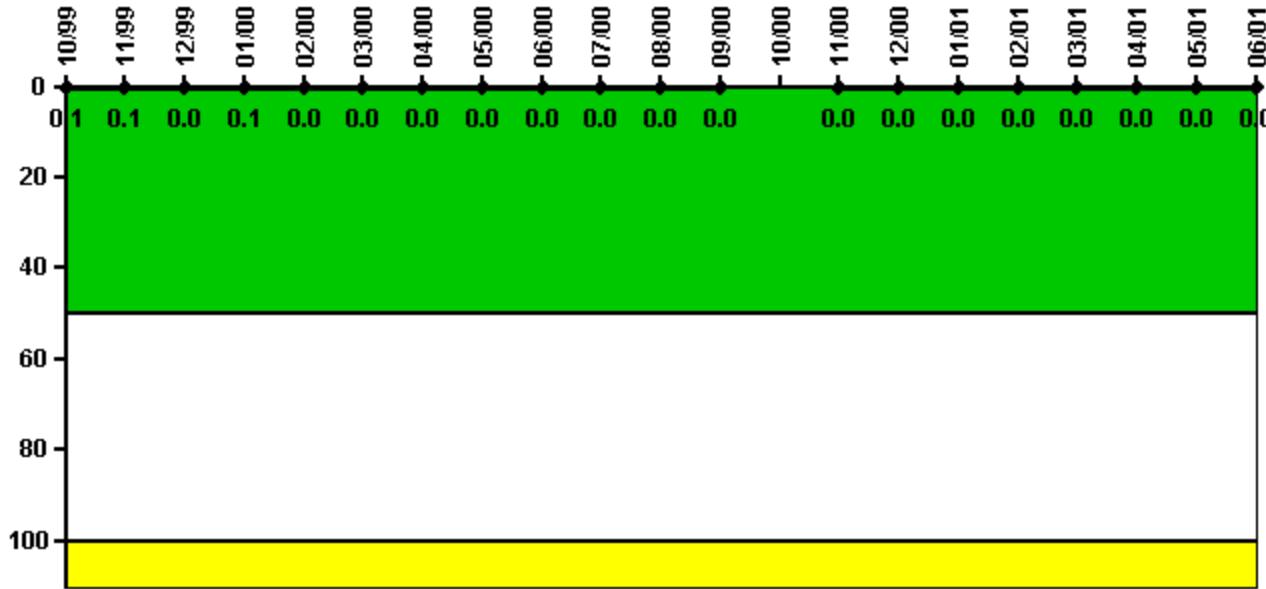
**Notes**

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	0	1	0	2	0	0	1
Indicator value	1	2	1	3	3	2	3

Licensee Comments: none

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### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

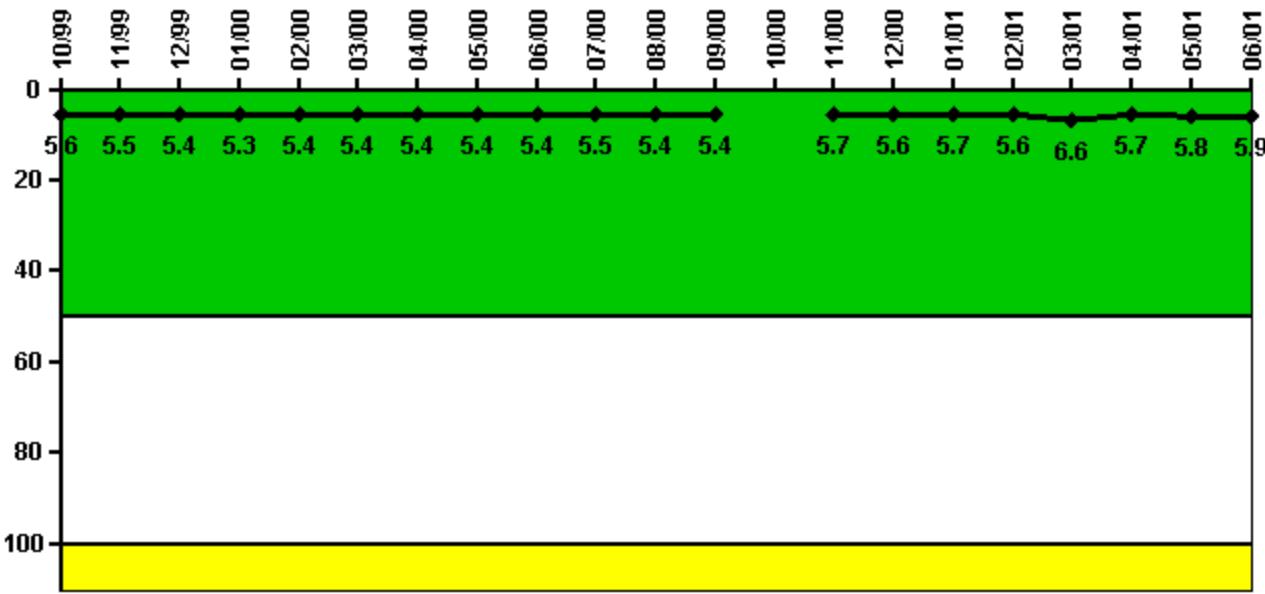
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000170	0.000140	0.000070	0.0000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	N/A	0.000020	0.000030	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030
Technical specification limit	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

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

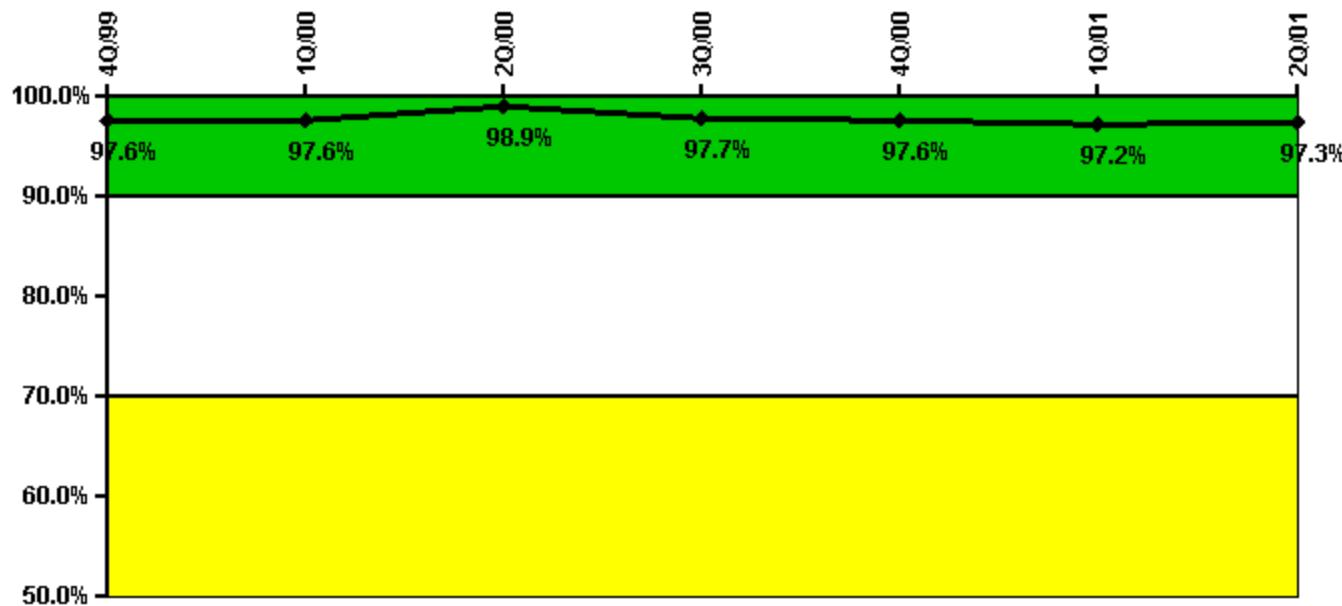
### Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.670	1.640	1.620	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630
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	5.6	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	N/A	1.700	1.680	1.700	1.690	1.990	1.720	1.740	1.770
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	5.7	5.6	5.7	5.6	6.6	5.7	5.8	5.9

Licensee Comments: none

**Drill/Exercise Performance**

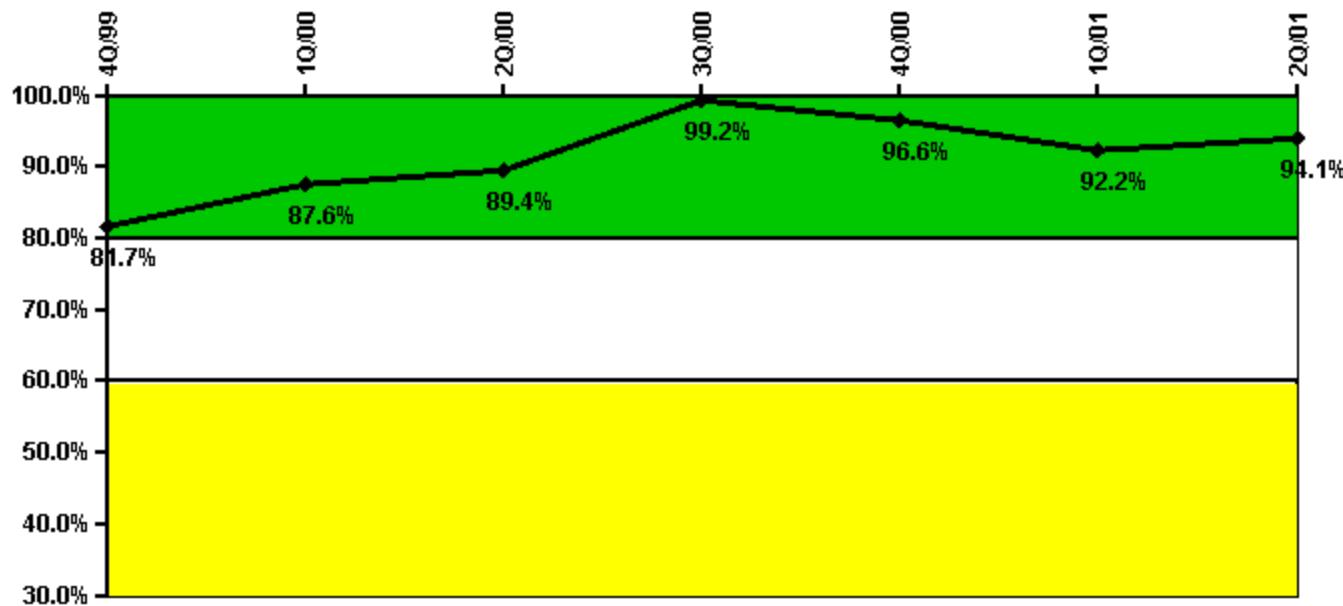
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	14.0	2.0	18.0	53.0	0	18.0	41.0
Total opportunities	14.0	2.0	19.0	55.0	0	19.0	42.0
Indicator value	97.6%	97.6%	98.9%	97.7%	97.6%	97.2%	97.3%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	94.0	99.0	110.0	118.0	115.0	118.0	127.0
Total Key personnel	115.0	113.0	123.0	119.0	119.0	128.0	135.0
Indicator value	81.7%	87.6%	89.4%	99.2%	96.6%	92.2%	94.1%

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**

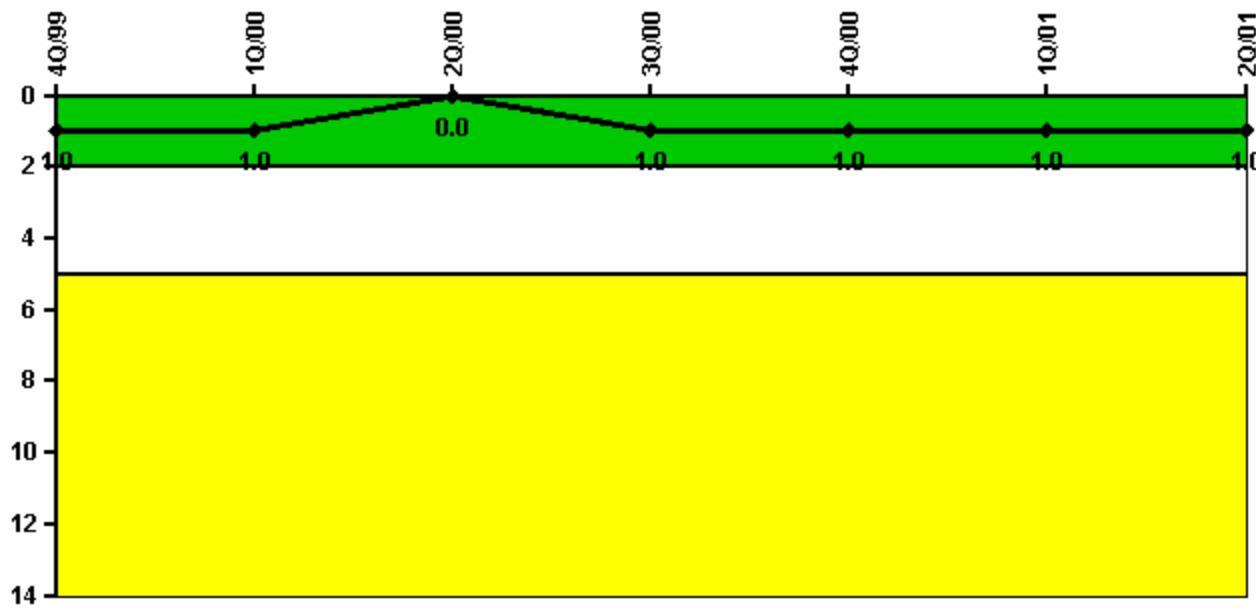
<b>Alert &amp; Notification System</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>
Successful siren-tests							
Total sirens-tests							
<b>Indicator value</b>							

Licensee Comments:

2Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

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### Occupational Exposure Control Effectiveness

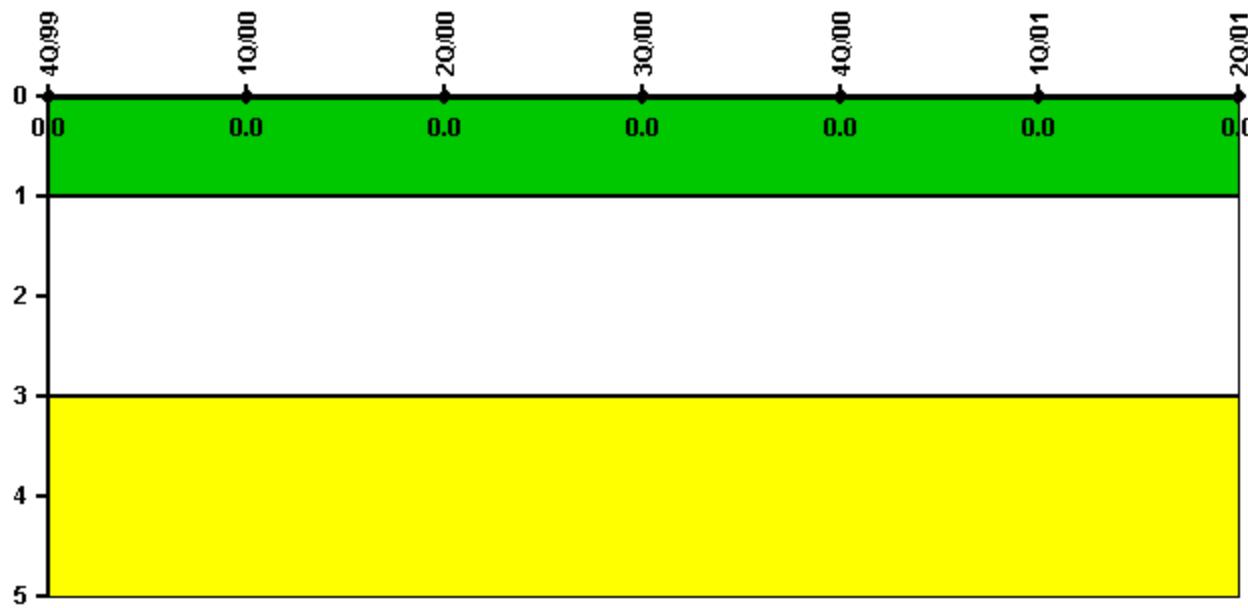


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	1	0	0	0
Indicator value	1	1	0	1	1	1	1

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

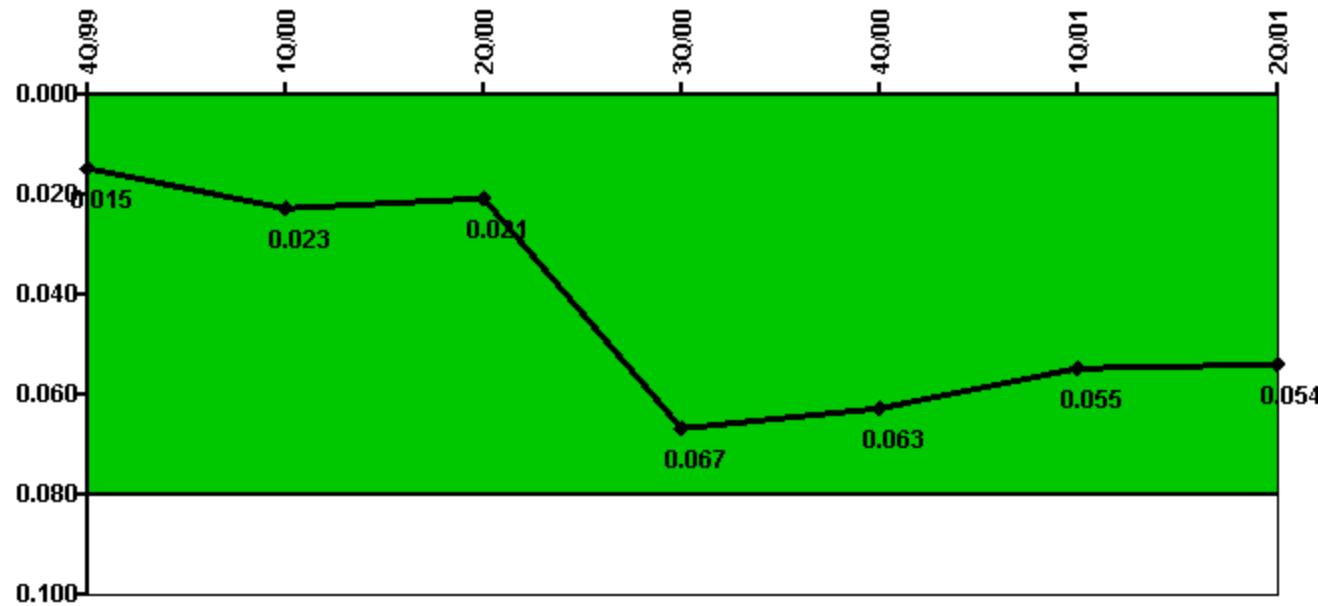
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

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## Protected Area Security Performance Index



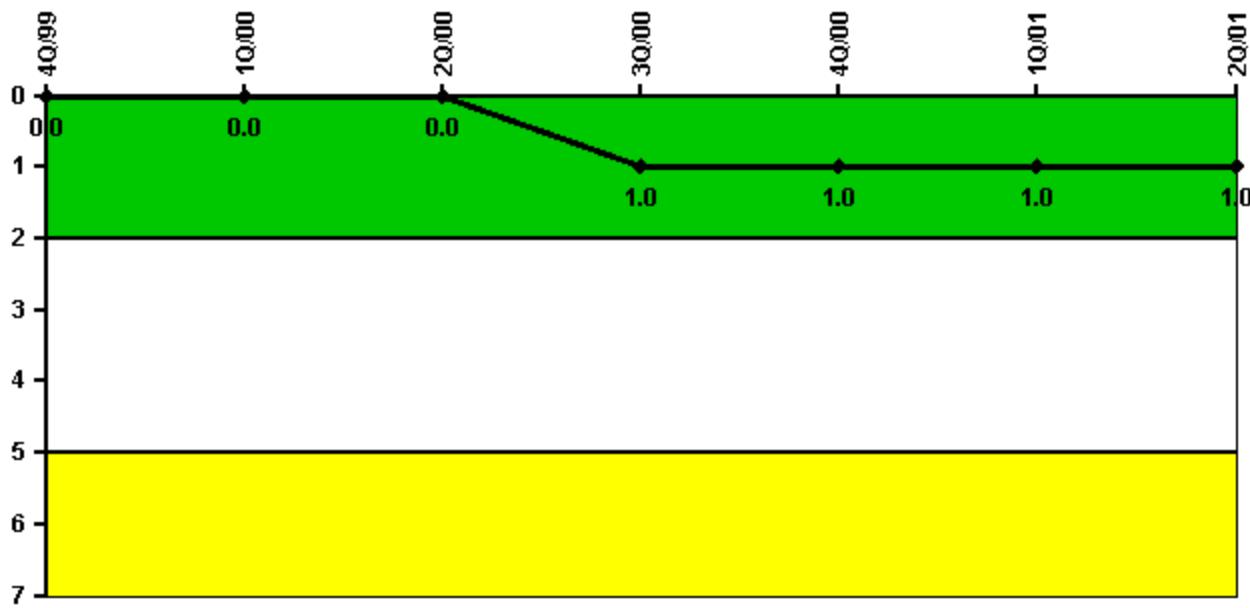
Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	82.91	64.10	27.58	1013.82	19.62	0	0.47
CCTV compensatory hours	0	95.7	2.0	0.4	0	1.1	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>

Licensee Comments: none

### Personnel Screening Program



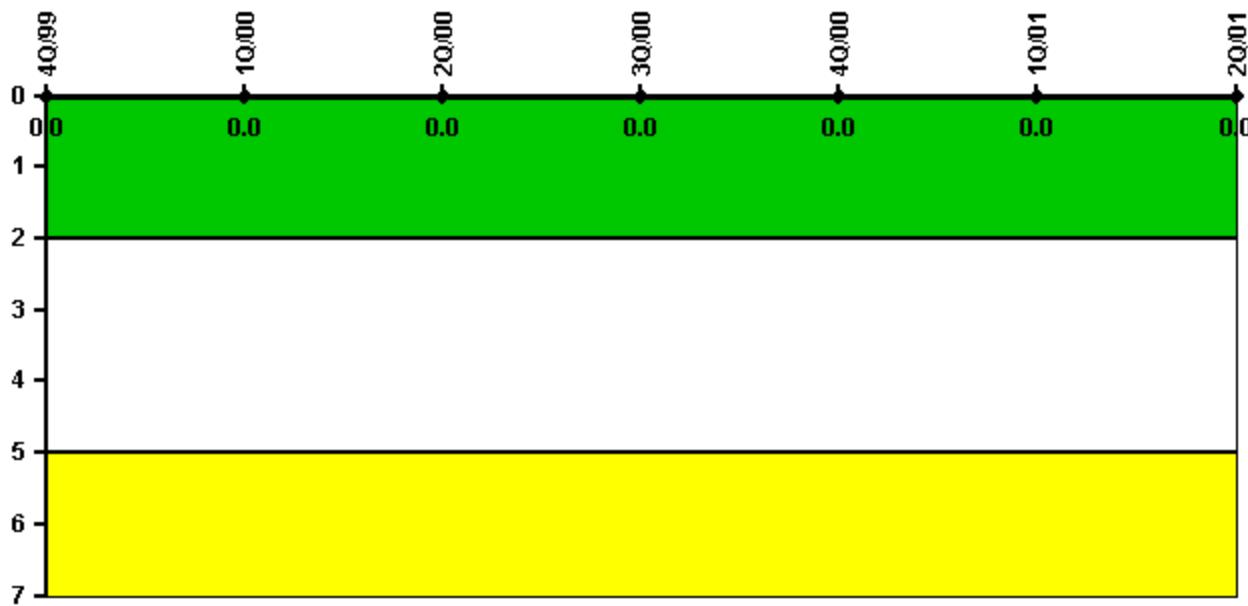
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program failures	0	0	0	1	0	0	0
Indicator value	0	0	0	1	1	1	1

Licensee Comments: none

---

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

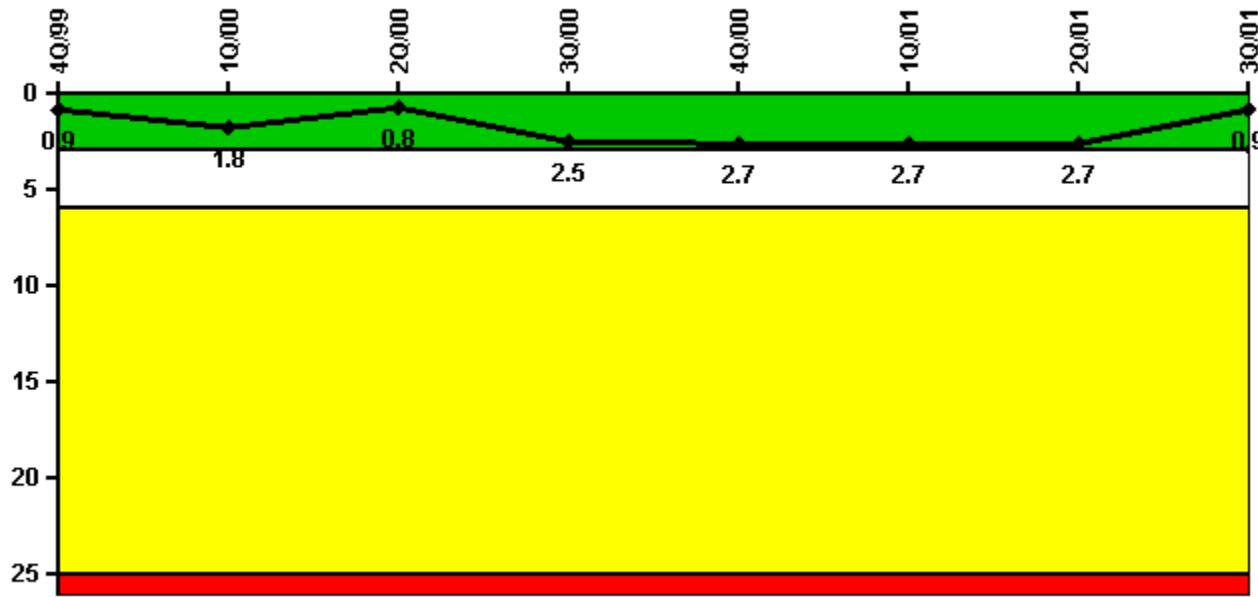


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 27, 2002

**Hatch 1****3Q/2001 Performance Indicators**

Licensee's General Comments: none

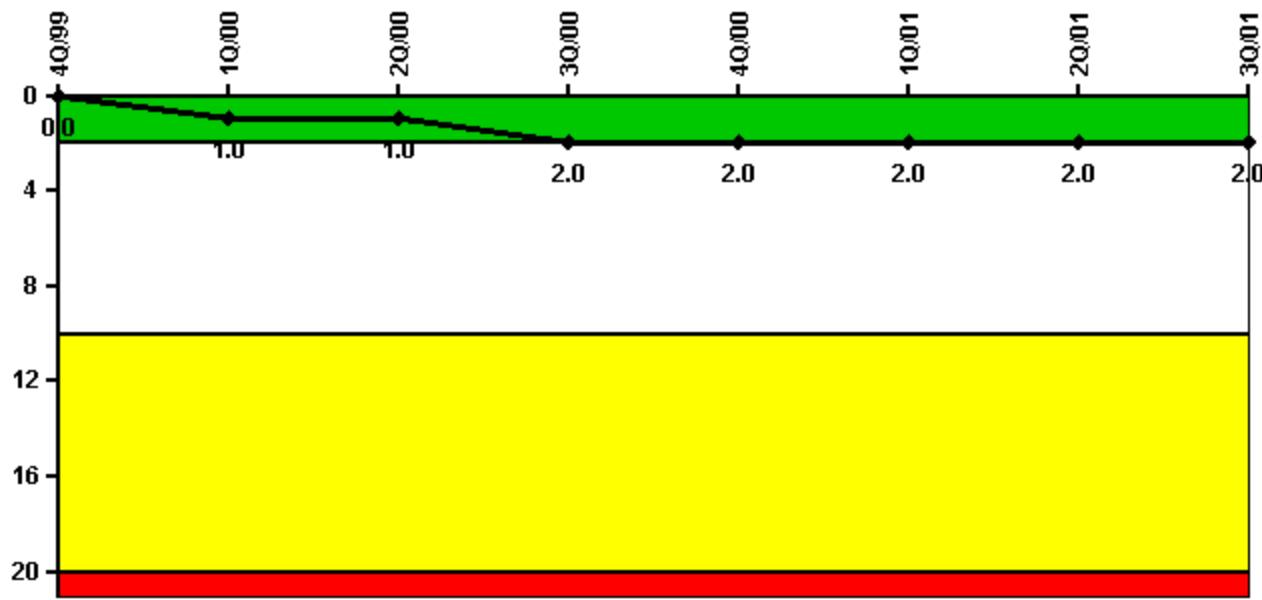
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	1.0	0	2.0	0	1.0	0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0
Indicator value	0.9	1.8	0.8	2.5	2.7	2.7	2.7	0.9

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

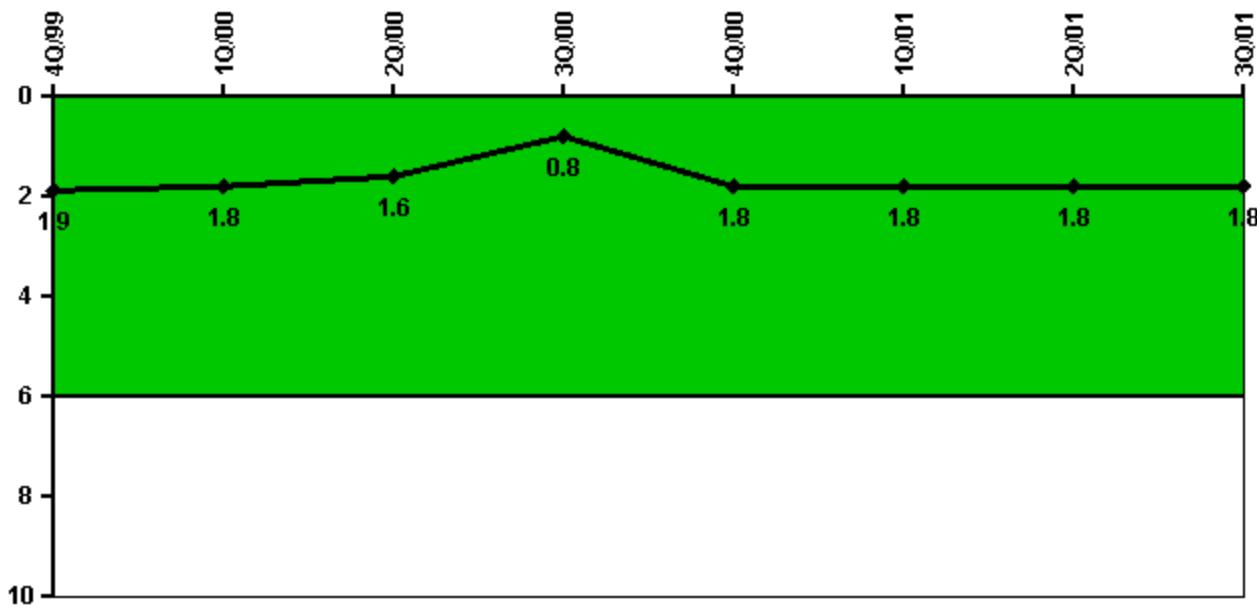
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	1.0	0	1.0	0	0	0	0
Indicator value	0	1.0	1.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

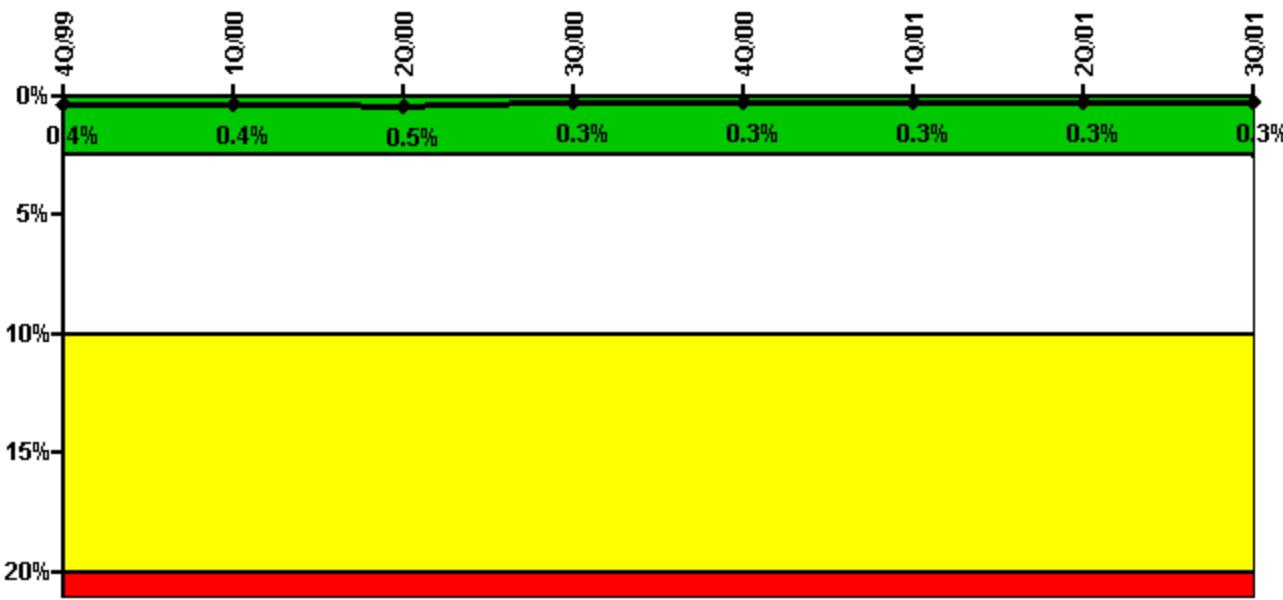
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	1.0	0	0	0	2.0	0	0	0
Critical hours	2209.0	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0
Indicator value	1.9	1.8	1.6	0.8	1.8	1.8	1.8	1.8

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



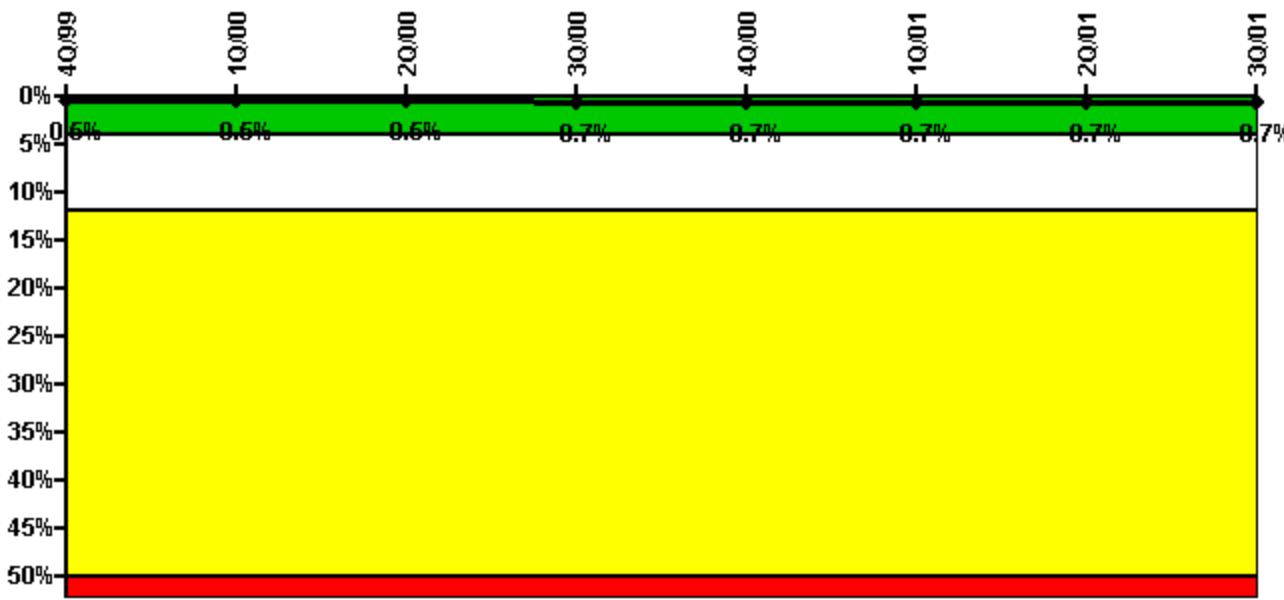
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

<b>Safety System Unavailability, Emergency AC Power, &gt;2EDG</b>		<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>
<b>Train 1</b>									
Planned unavailable hours		0	0	0	0.08	0.18	2.00	0.05	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>									
Planned unavailable hours		0	0	0	0	0.72	0	0.32	0
Unplanned unavailable hours		0	0	0	0	0.17	8.18	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 3</b>									
Planned unavailable hours		0	11.95	20.00	0	8.62	2.05	1.97	4.00
Unplanned unavailable hours		0	0	51.30	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>		<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



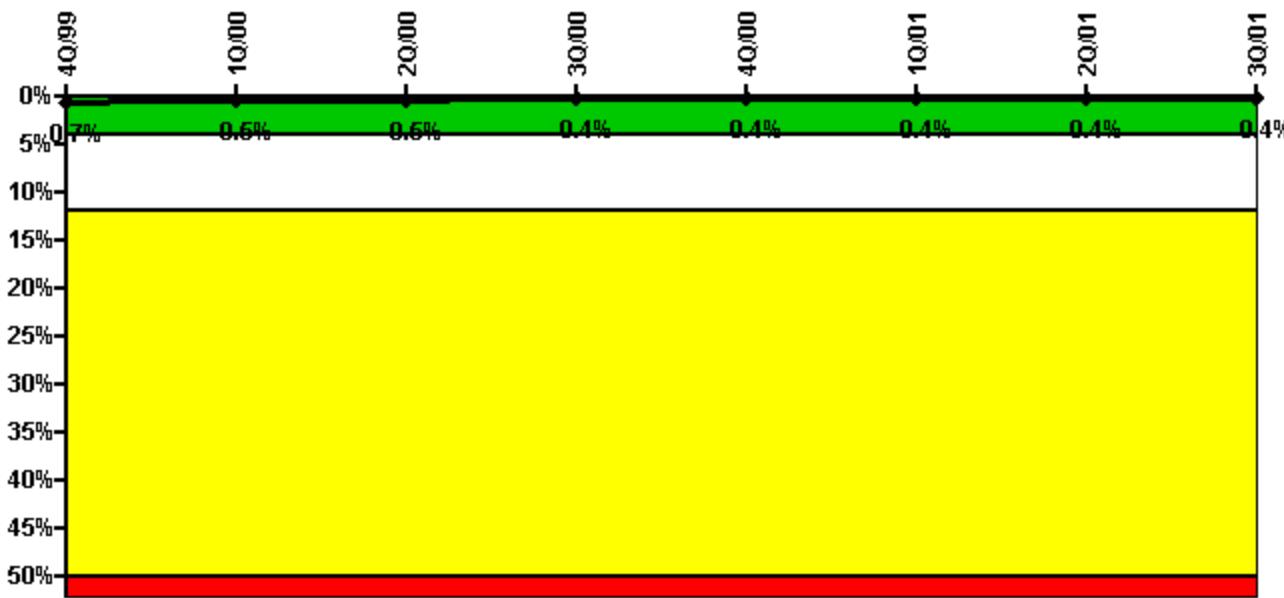
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
<b>Train 1</b>								
Planned unavailable hours	0	0	0.88	22.54	0.88	0	0	4.58
Unplanned unavailable hours	0	0	0	67.98	0	0.53	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



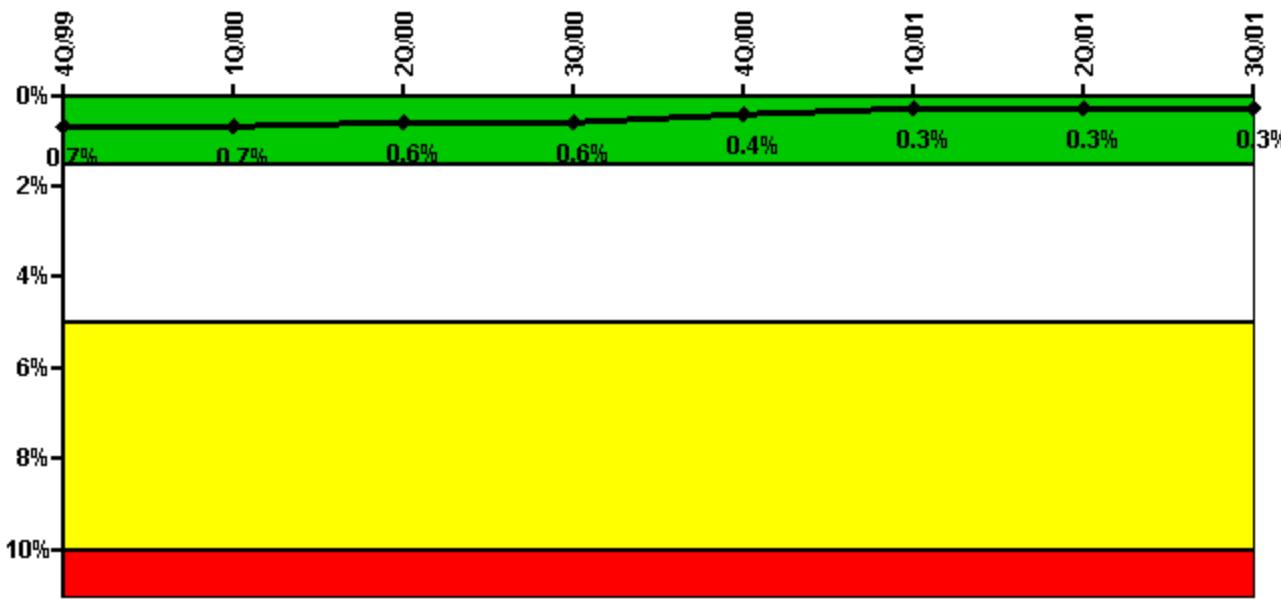
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
<b>Train 1</b>									
Planned unavailable hours		0	0.50	0.33	32.85	1.08	0.83	0.42	1.67
Unplanned unavailable hours		0	0.13	0	0.43	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00
<b>Indicator value</b>		<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

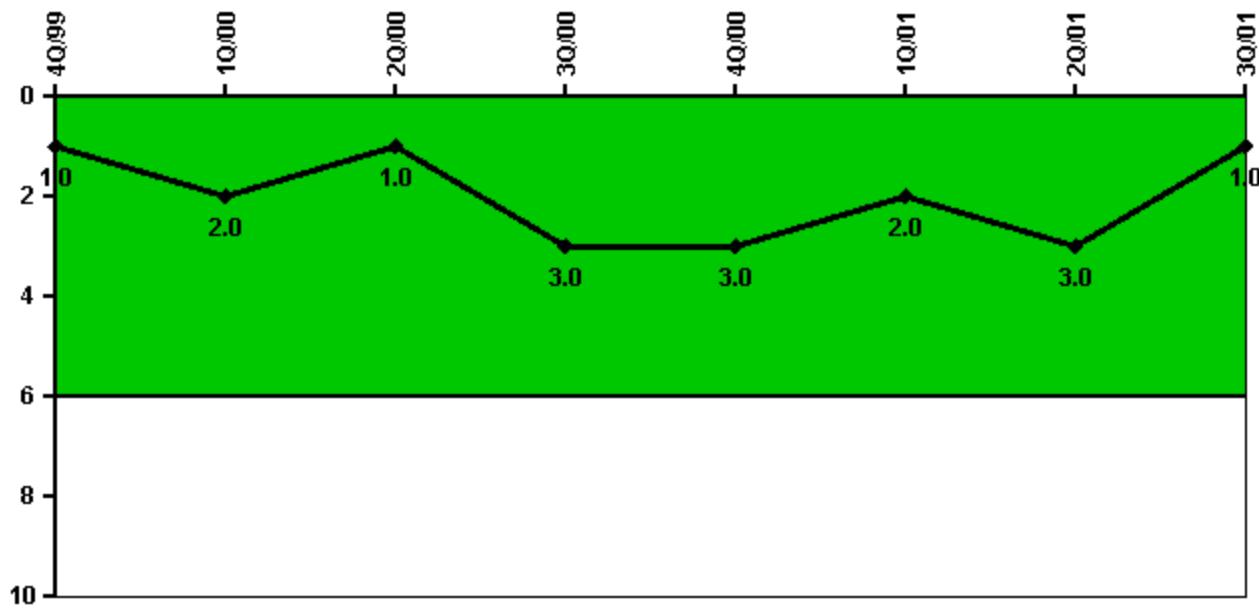


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
<b>Train 1</b>								
Planned unavailable hours	0	22.33	0.08	0.37	12.50	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	7.45	78.65	0	0	0
Unplanned unavailable hours	0	0	0	0	0.83	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

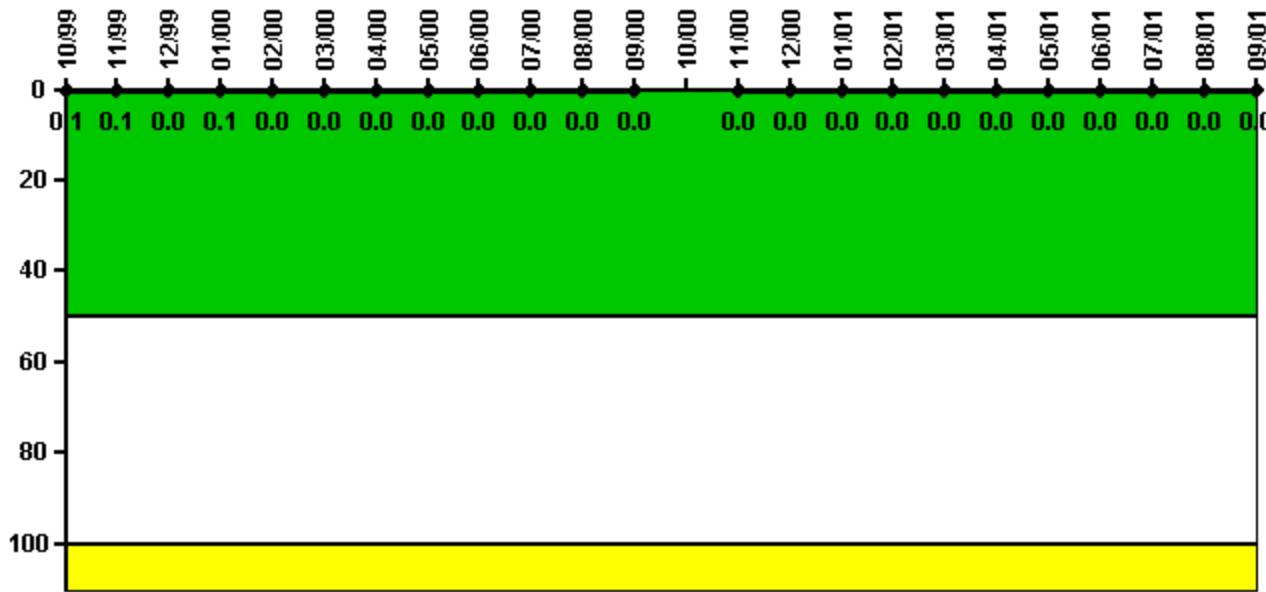
**Notes**

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	1	0	2	0	0	1	0
Indicator value	1	2	1	3	3	2	3	1

Licensee Comments: none

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### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

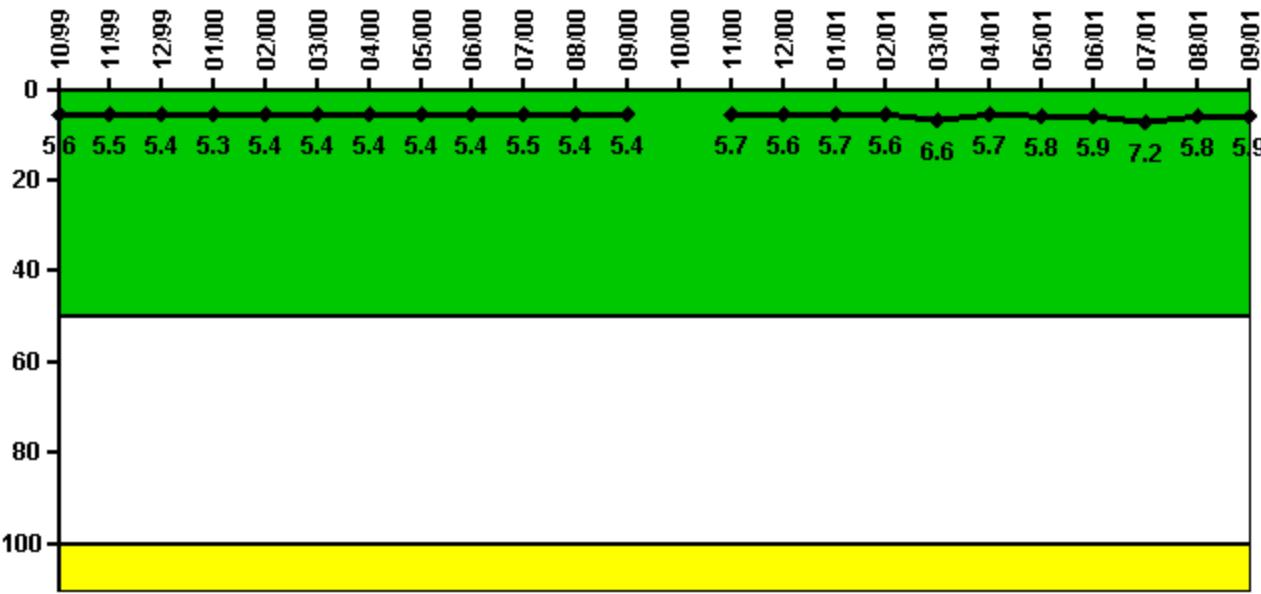
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000170	0.000140	0.000070	0.000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	N/A	0.000020	0.000030	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010
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

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

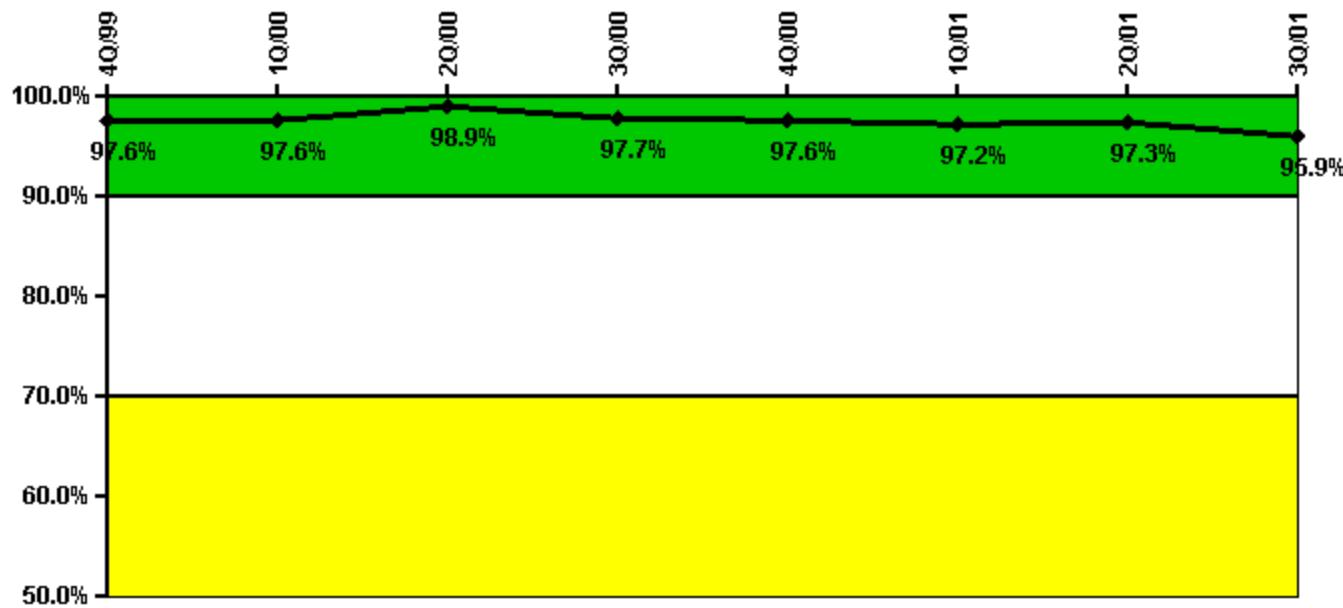
#### Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.670	1.640	1.620	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630
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	5.6	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	N/A	1.700	1.680	1.700	1.690	1.990	1.720	1.740	1.770	2.160	1.750	1.760
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	5.7	5.6	5.7	5.6	6.6	5.7	5.8	5.9	7.2	5.8	5.9

Licensee Comments: none

**Drill/Exercise Performance**

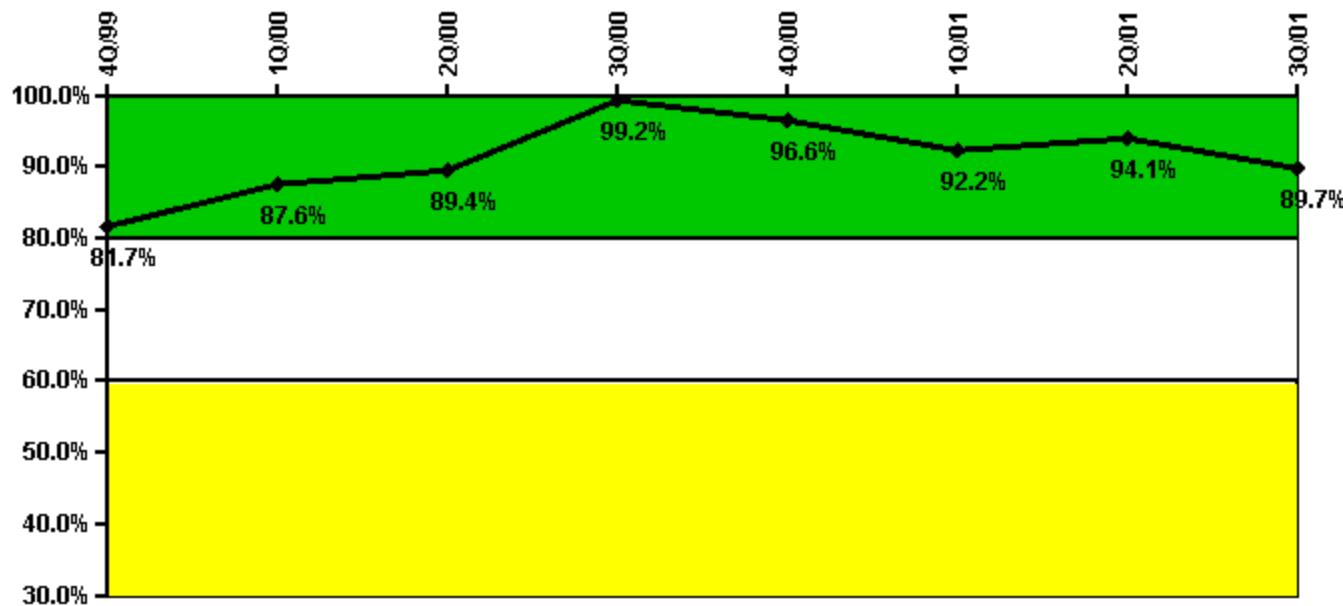
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	14.0	2.0	18.0	53.0	0	18.0	41.0	17.0
Total opportunities	14.0	2.0	19.0	55.0	0	19.0	42.0	19.0
Indicator value	97.6%	97.6%	98.9%	97.7%	97.6%	97.2%	97.3%	95.9%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	94.0	99.0	110.0	118.0	115.0	118.0	127.0	122.0
Total Key personnel	115.0	113.0	123.0	119.0	119.0	128.0	135.0	136.0
Indicator value	81.7%	87.6%	89.4%	99.2%	96.6%	92.2%	94.1%	89.7%

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**

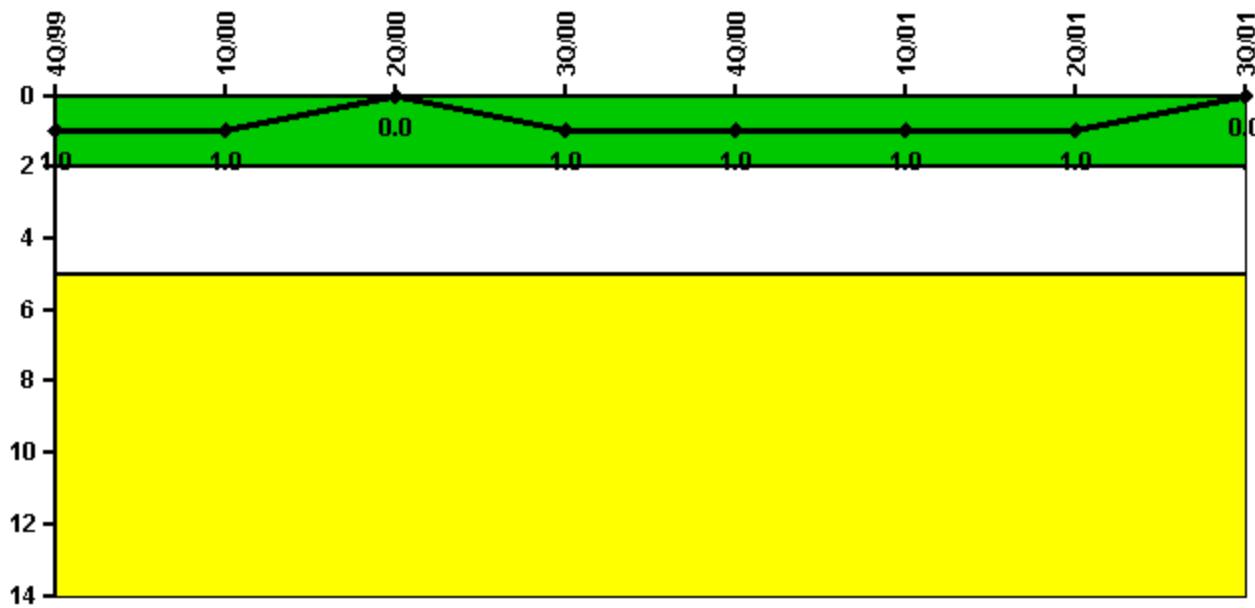
<b>Alert &amp; Notification System</b>	<b>4Q/99</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

3Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

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### Occupational Exposure Control Effectiveness

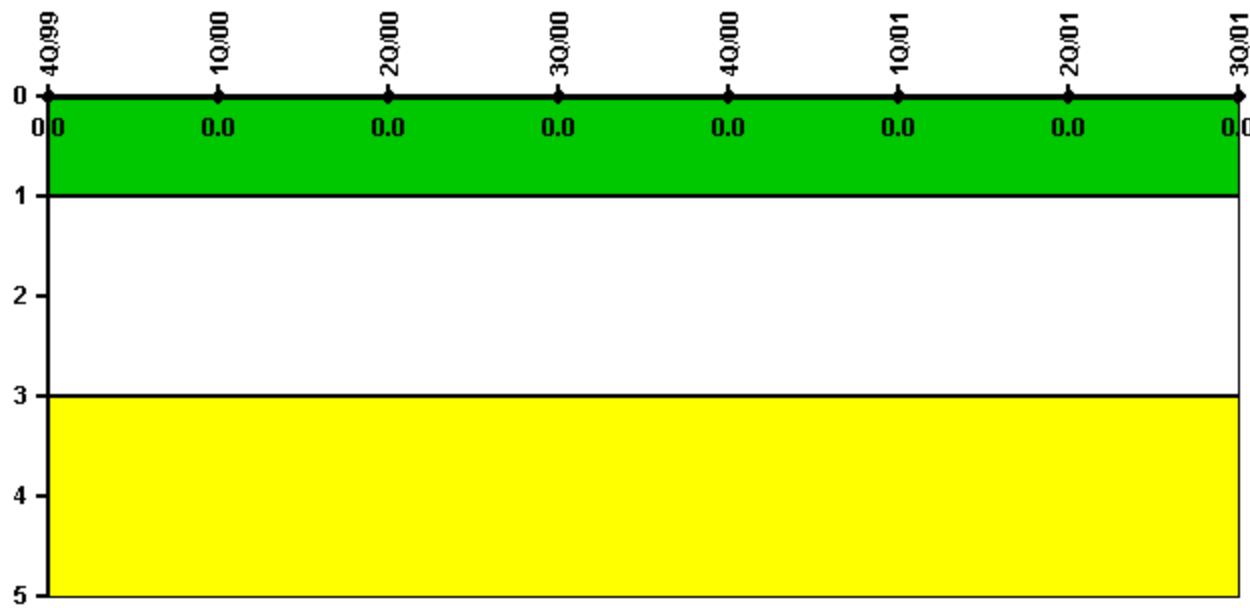


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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	1	0	0	0	0
Indicator value	1	1	0	1	1	1	1	0

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

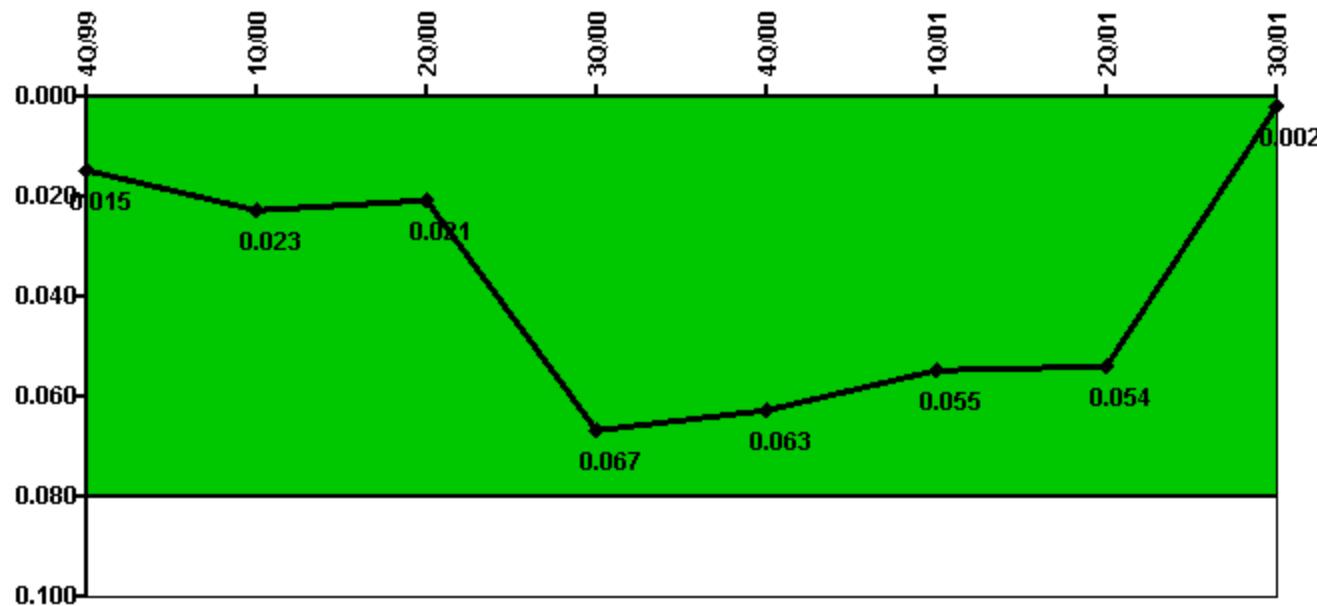
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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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## Protected Area Security Performance Index



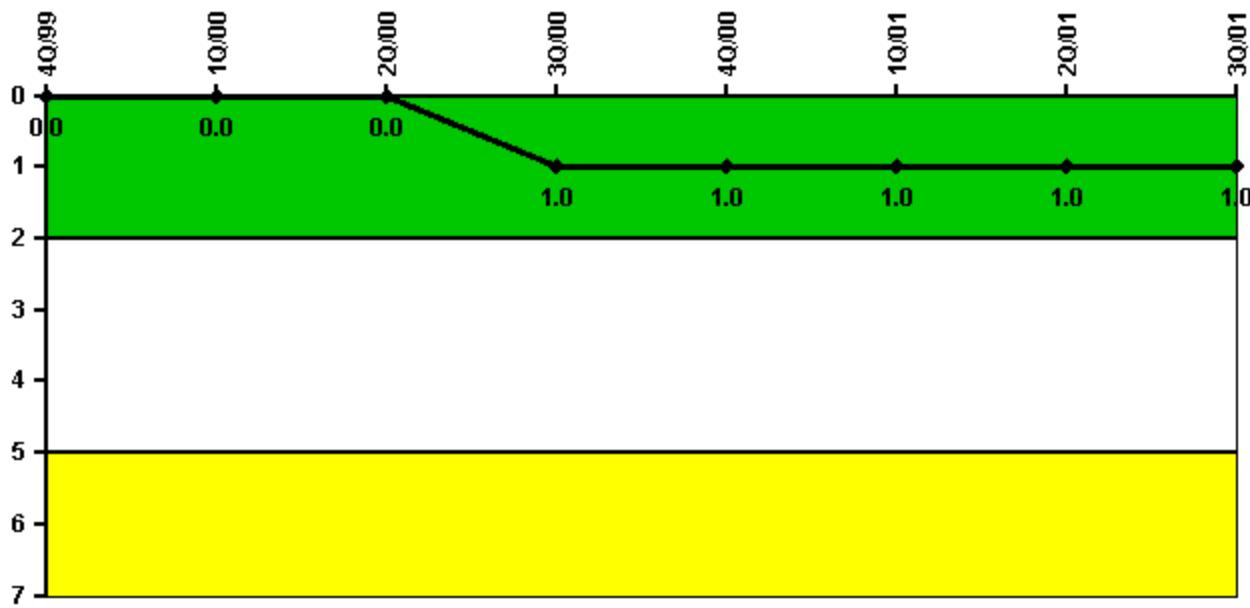
Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	82.91	64.10	27.58	1013.82	19.62	0	0.47	0
CCTV compensatory hours	0	95.7	2.0	0.4	0	1.1	0	9.0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.015</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>

Licensee Comments: none

### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

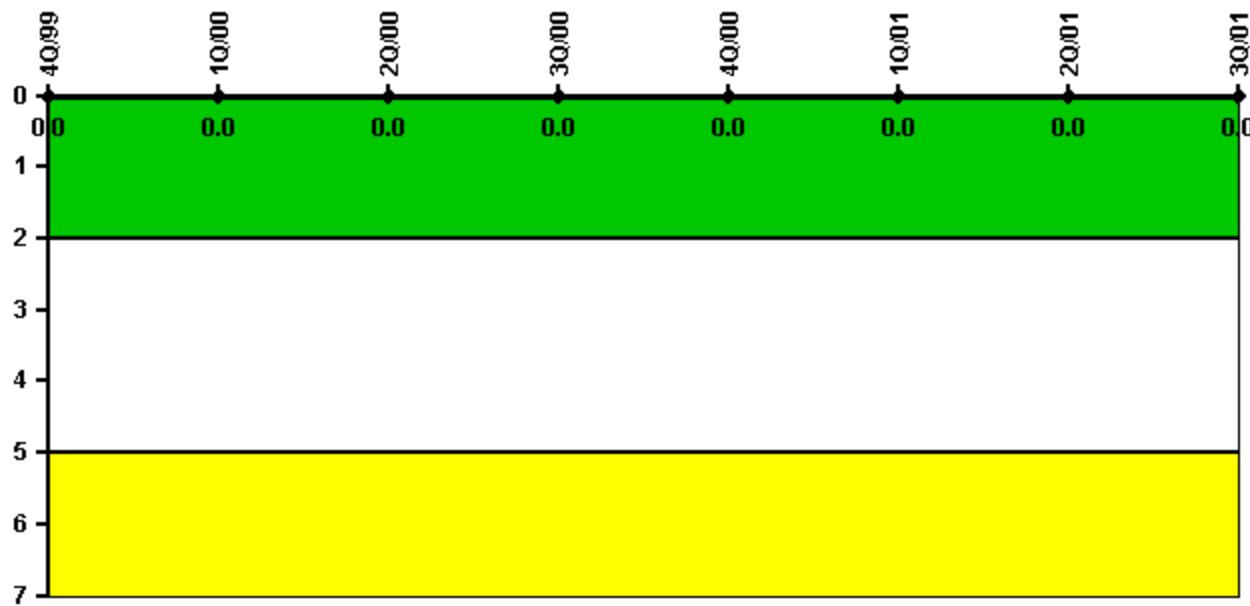
#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	1	0	0	0	1
Indicator value	0	0	0	1	1	1	1	1

Licensee Comments: none

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## FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

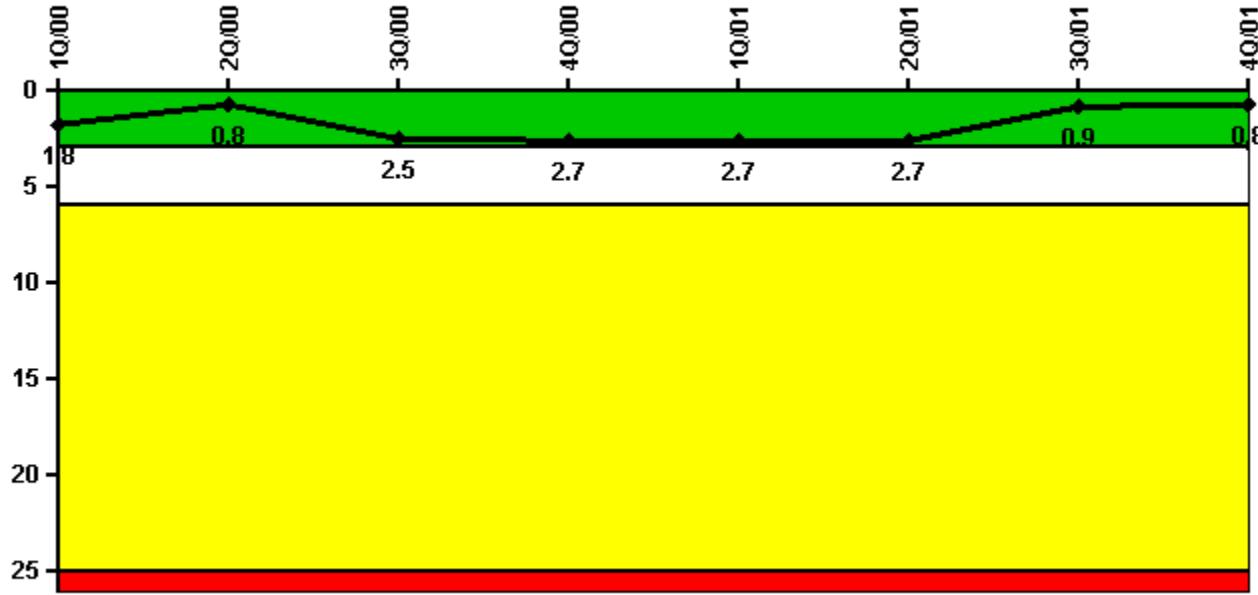


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002

**Hatch 1****4Q/2001 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	1.0	0	2.0	0	1.0	0	0	0
Critical hours	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0
Indicator value	1.8	0.8	2.5	2.7	2.7	2.7	0.9	0.8

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

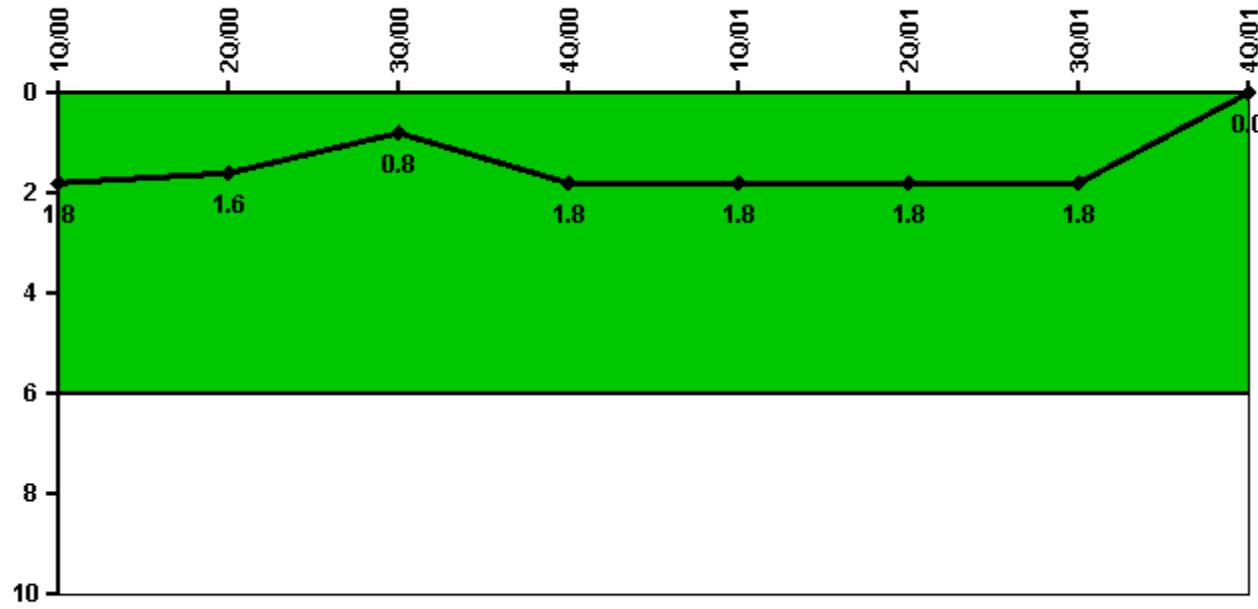
**Notes**

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	1.0	0	1.0	0	0	0	0	0
Indicator value	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

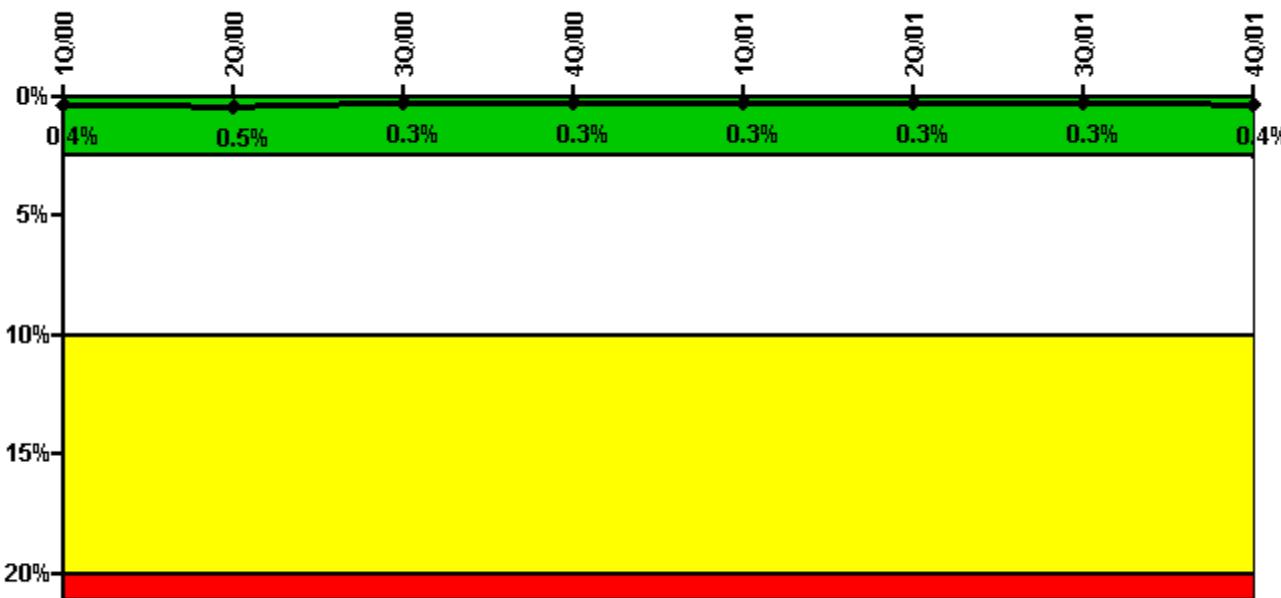
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	1965.4	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0
Indicator value	1.8	1.6	0.8	1.8	1.8	1.8	1.8	0

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



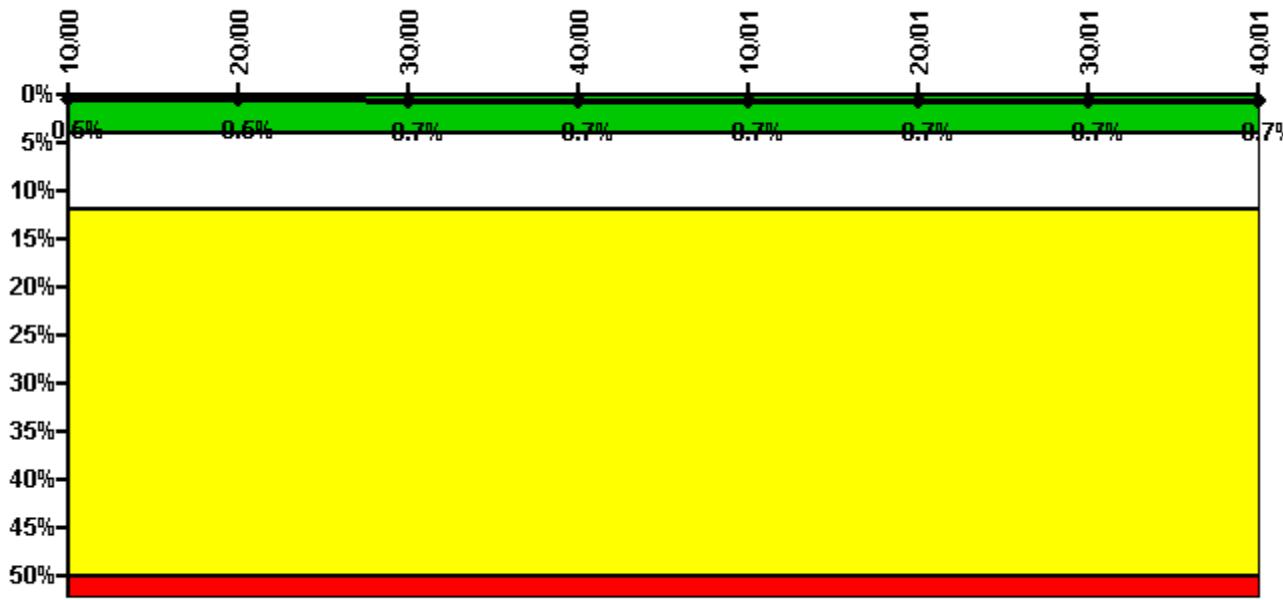
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG								
	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	0	0	0.08	0.18	2.00	0.05	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	0.72	0	0.32	0	0
Unplanned unavailable hours	0	0	0	0.17	8.18	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	11.95	20.00	0	8.62	2.05	1.97	4.00	8.27
Unplanned unavailable hours	0	51.30	0	0	0	0	0	138.42
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



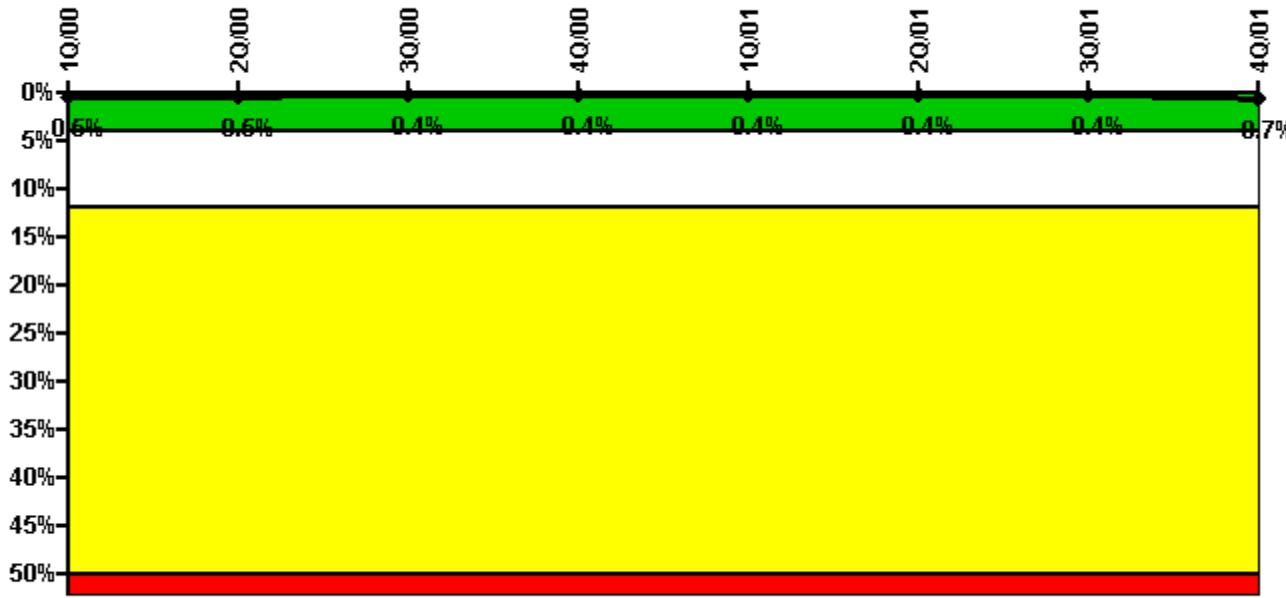
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	0	0.88	22.54	0.88	0	0	4.58	0
Unplanned unavailable hours	0	0	67.98	0	0.53	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



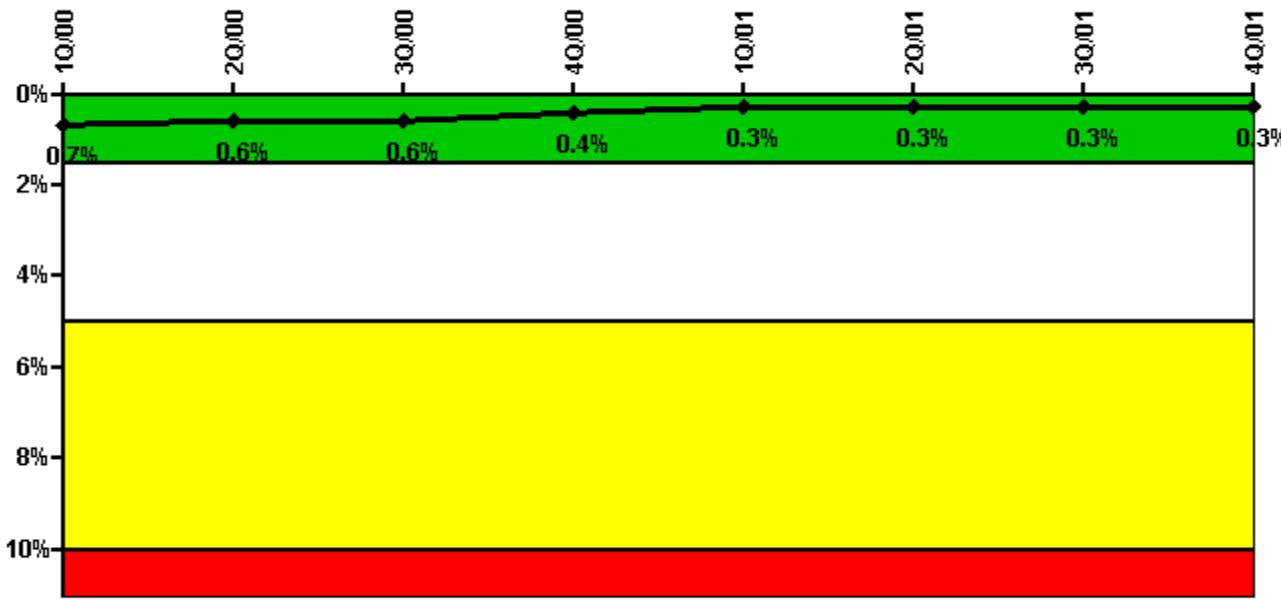
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	0.50	0.33	32.85	1.08	0.83	0.42	1.67	46.52
Unplanned unavailable hours	0.13	0	0.43	0	0	0	0	26.15
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1965.40	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00
Indicator value	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

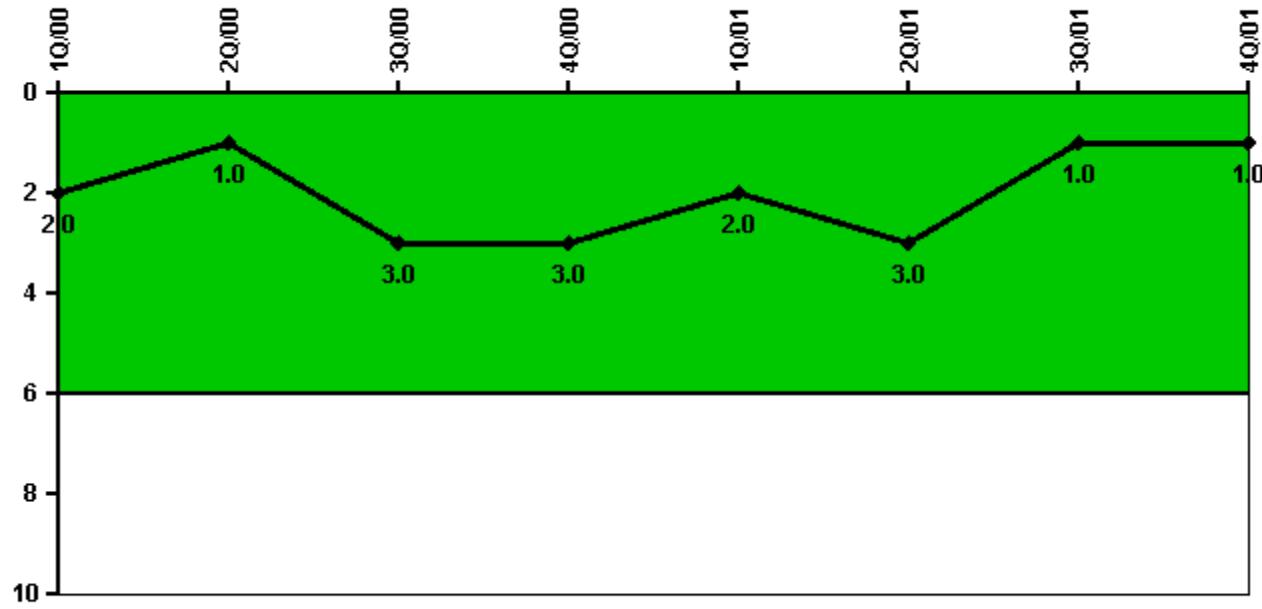


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	22.33	0.08	0.37	12.50	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	0	7.45	78.65	0	0	0	0
Unplanned unavailable hours	0	0	0	0.83	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

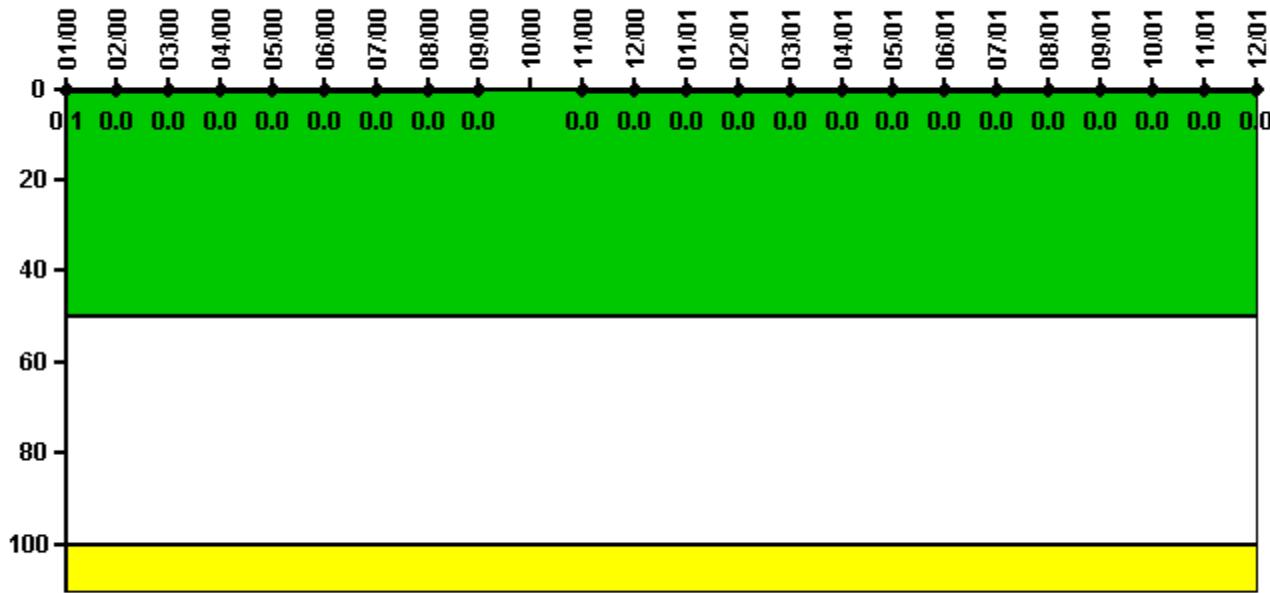
**Notes**

Safety System Functional Failures (BWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	1	0	2	0	0	1	0	0
Indicator value	2	1	3	3	2	3	1	1

Licensee Comments: none

---

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

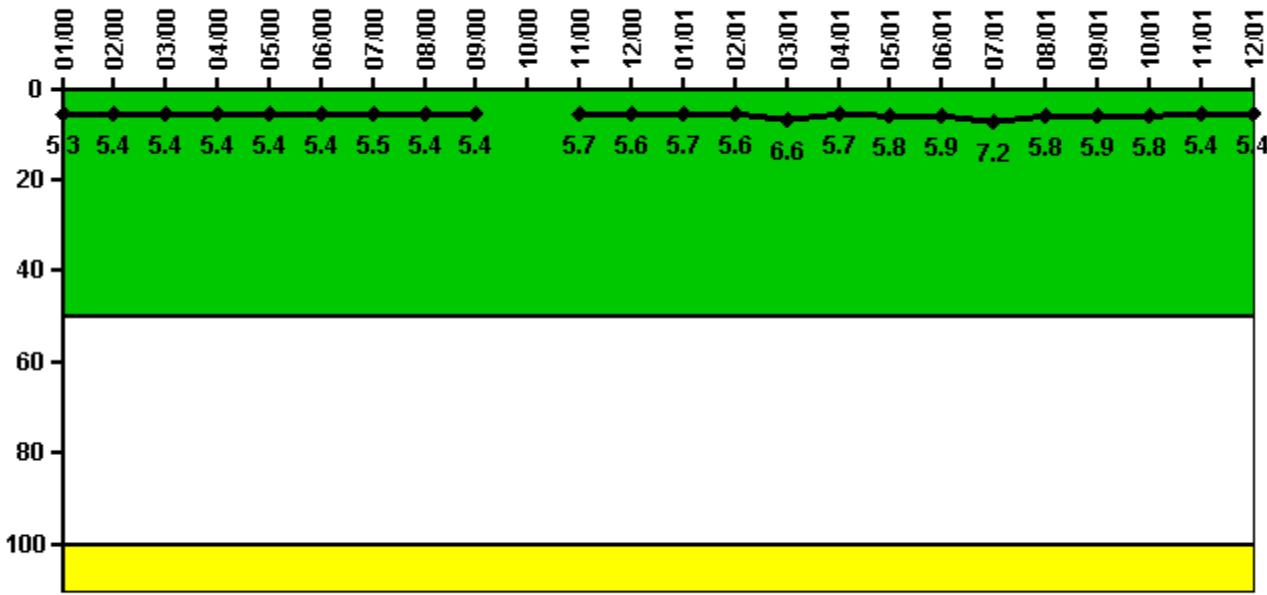
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000270	0.000050	0.000060	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050	N/A	0.000020	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0	0	0	0	0	0	0	0	N/A	0	0

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

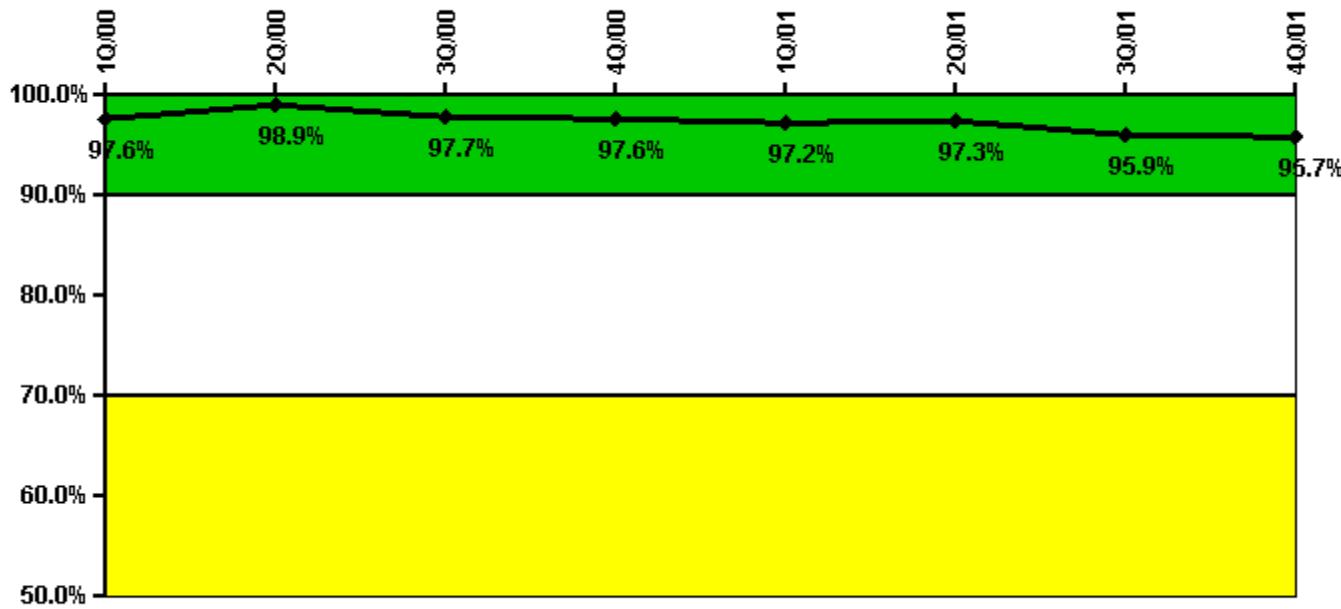
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.600	1.610	1.610	1.620	1.620	1.620	1.640	1.630	1.630	N/A	1.700	1.680
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	5.3	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	N/A	5.7	5.6

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	1.700	1.690	1.990	1.720	1.740	1.770	2.160	1.750	1.760	1.730	1.630	1.630
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	5.6	6.6	5.7	5.8	5.9	7.2	5.8	5.9	5.8	5.4	5.4

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

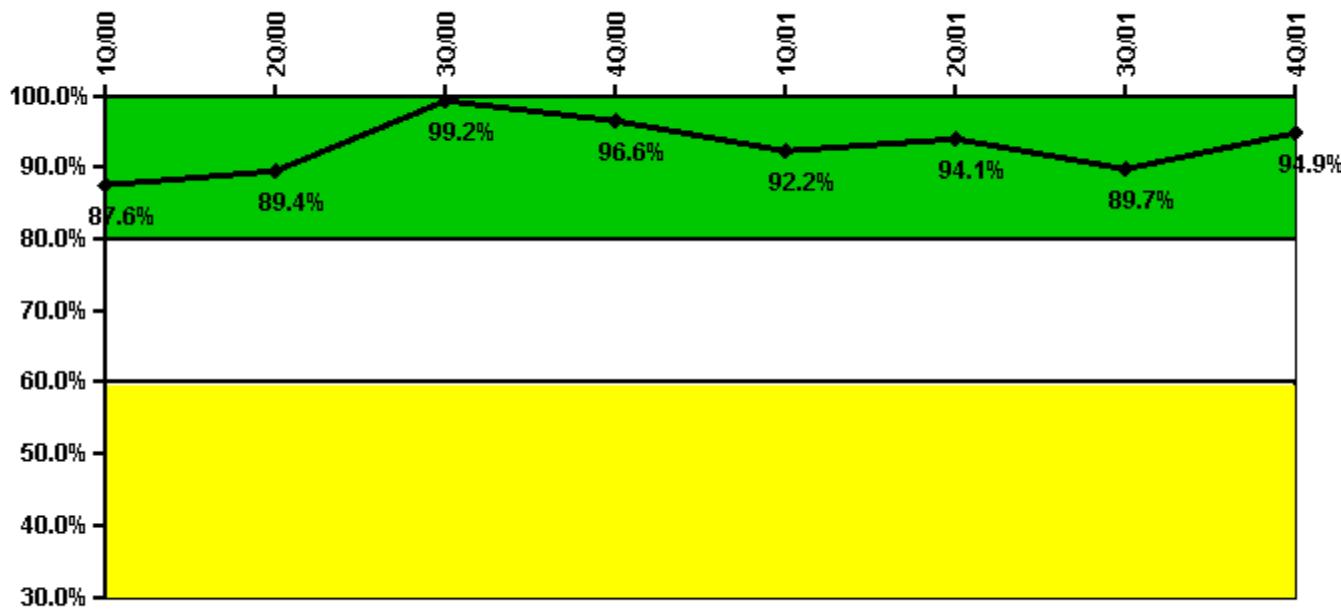
#### Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	2.0	18.0	53.0	0	18.0	41.0	17.0	8.0
Total opportunities	2.0	19.0	55.0	0	19.0	42.0	19.0	8.0
Indicator value	97.6%	98.9%	97.7%	97.6%	97.2%	97.3%	95.9%	95.7%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	99.0	110.0	118.0	115.0	118.0	127.0	122.0	131.0
Total Key personnel	113.0	123.0	119.0	119.0	128.0	135.0	136.0	138.0
Indicator value	87.6%	89.4%	99.2%	96.6%	92.2%	94.1%	89.7%	94.9%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

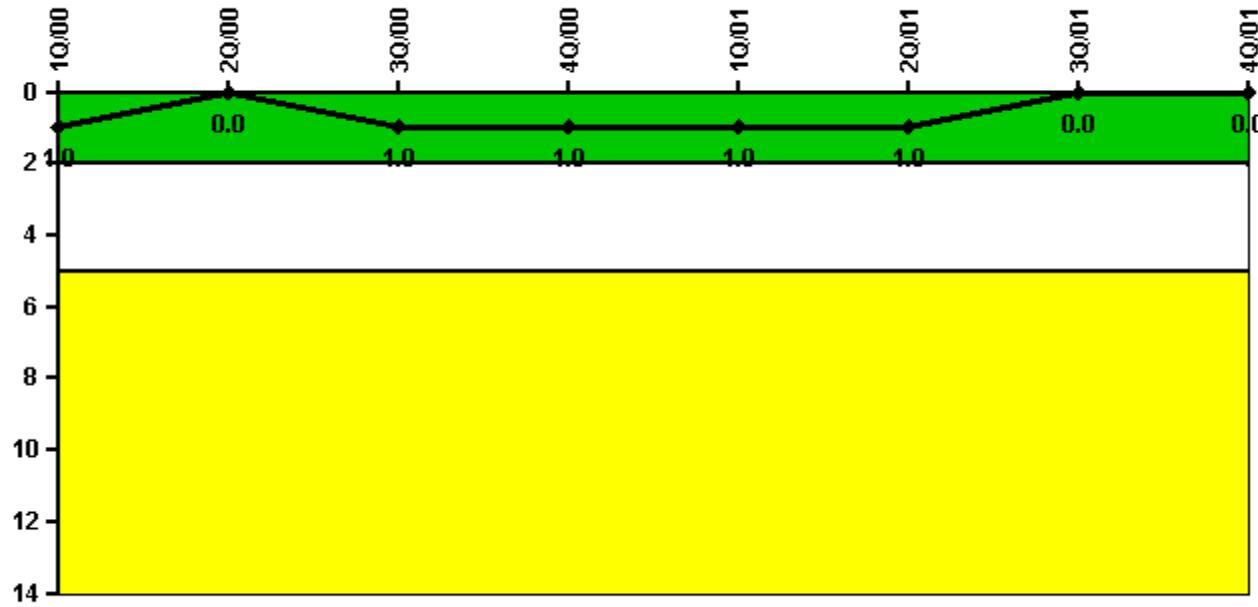
<b>Alert &amp; Notification System</b>	<b>1Q/00</b>	<b>2Q/00</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

4Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

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### Occupational Exposure Control Effectiveness



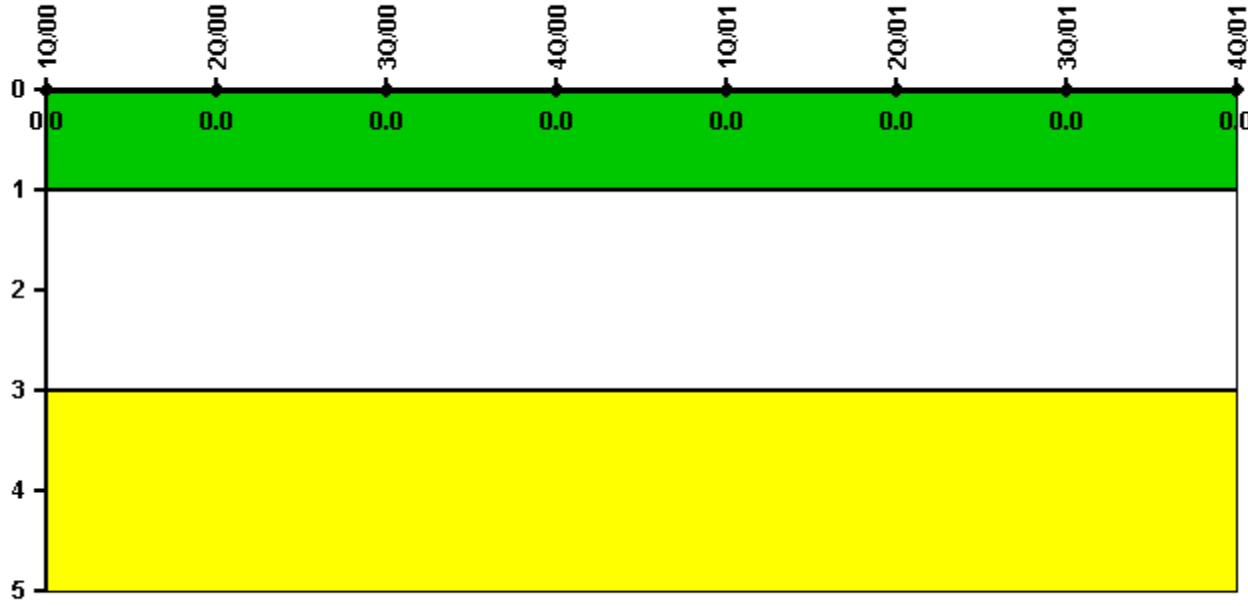
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
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	1	0	0	0	0	0
Indicator value	1	0	1	1	1	1	0	0

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

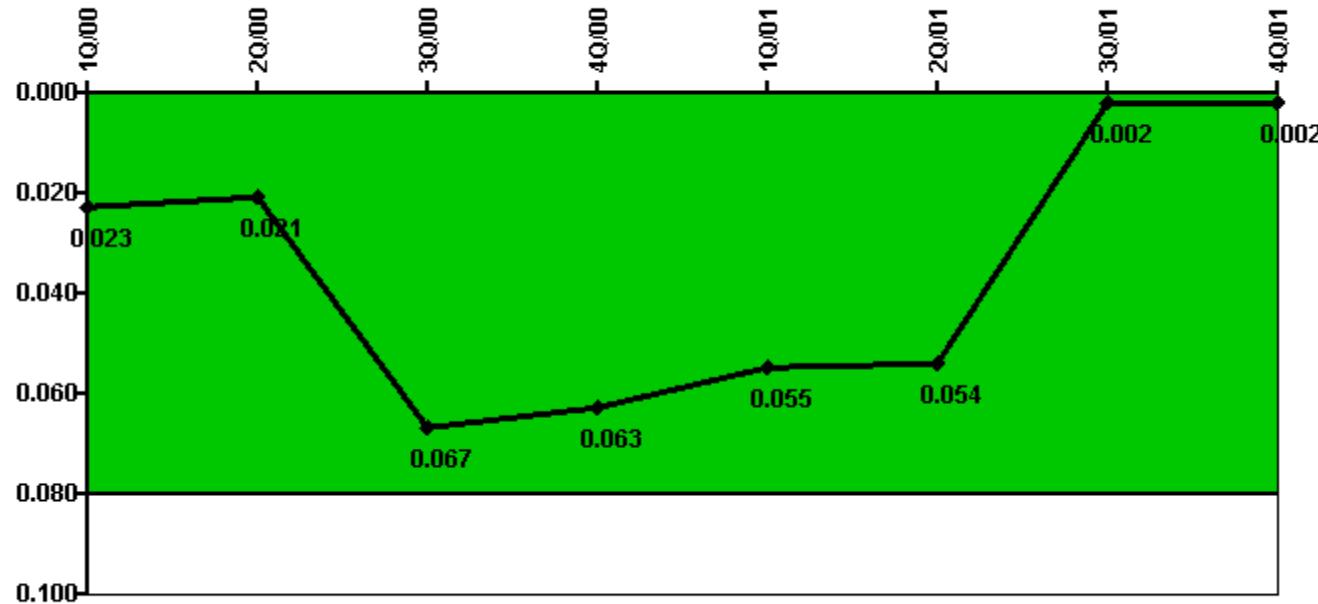
**Notes**

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
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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## Protected Area Security Performance Index



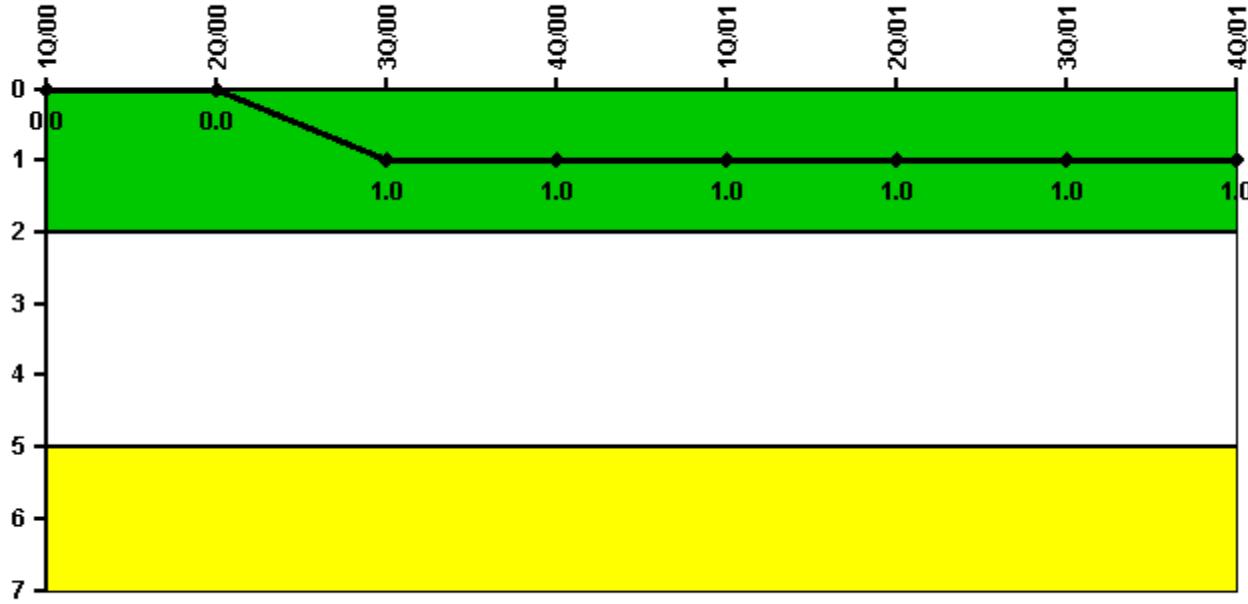
Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	64.10	27.58	1013.82	19.62	0	0.47	0	20.50
CCTV compensatory hours	95.7	2.0	0.4	0	1.1	0	9.0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.023</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>

Licensee Comments: none

## Personnel Screening Program



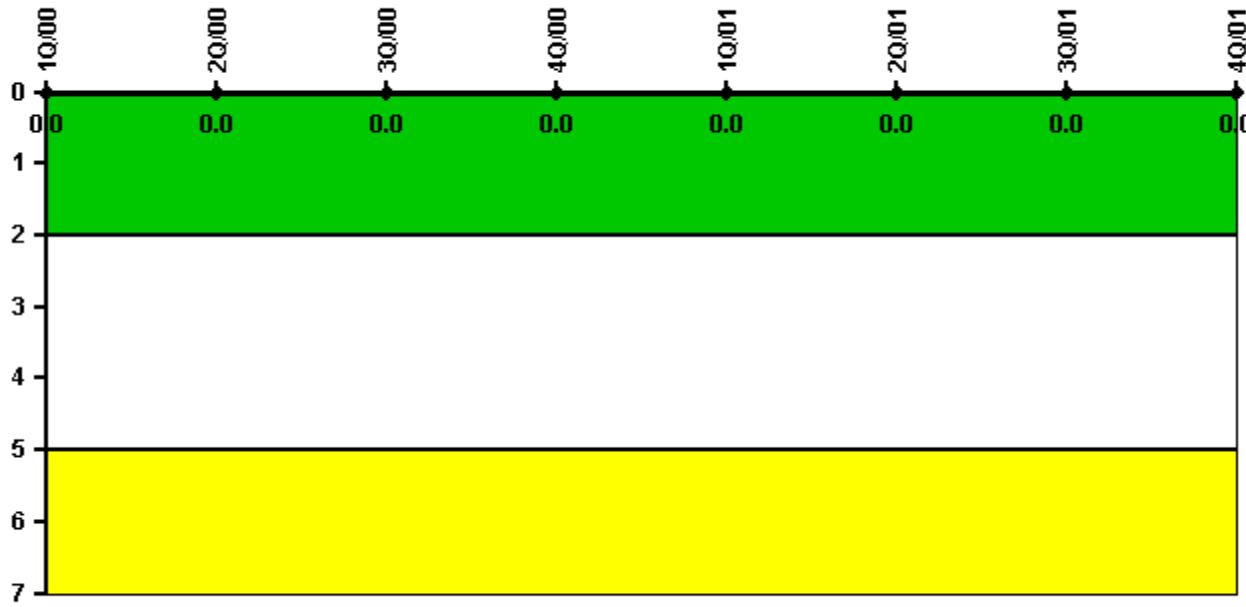
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	1	0	0	0	1	0
Indicator value	0	0	1	1	1	1	1	1

Licensee Comments: none

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**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

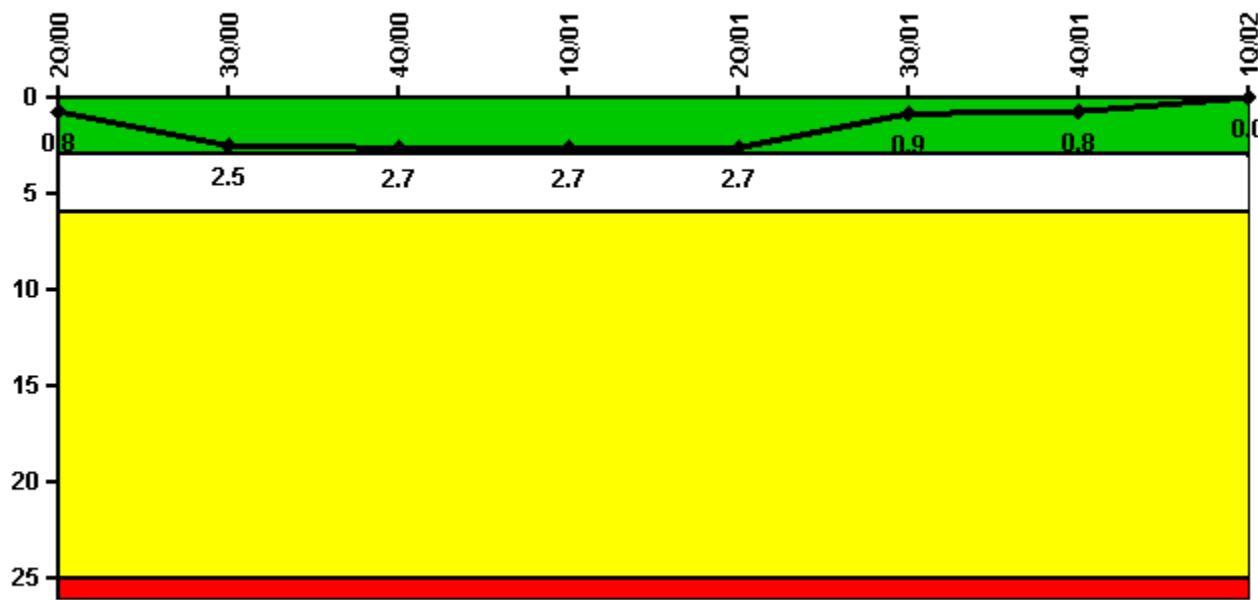


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002

**Hatch 1****1Q/2002 Performance Indicators**

Licensee's General Comments: none

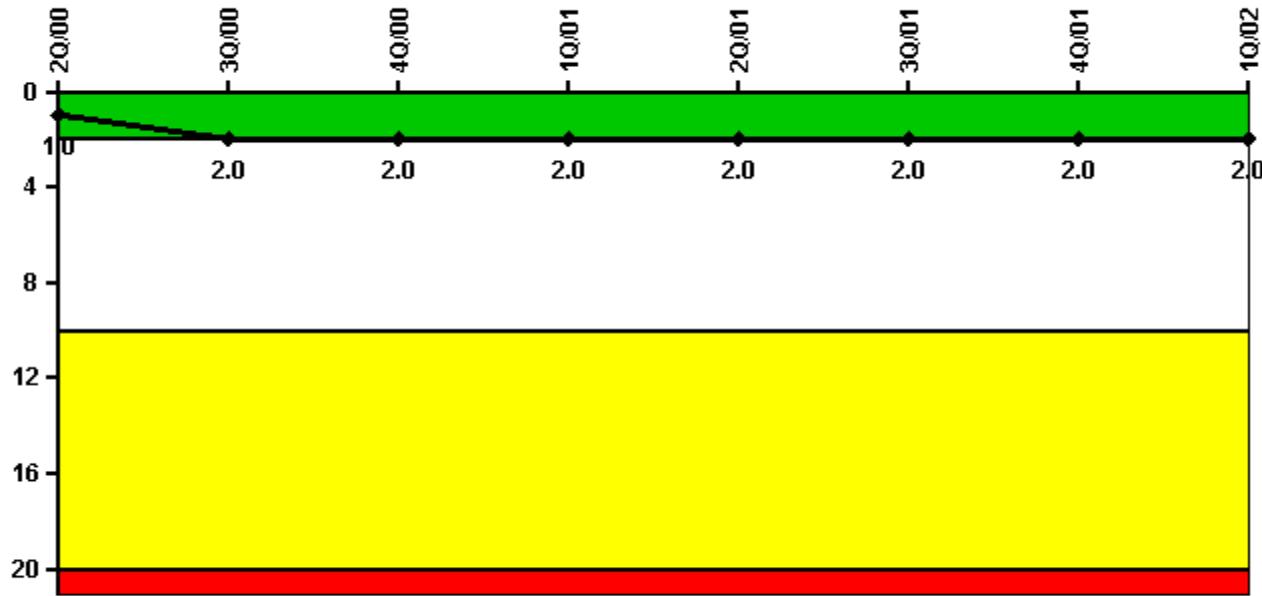
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	2.0	0	1.0	0	0	0	0
Critical hours	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4
Indicator value	0.8	2.5	2.7	2.7	2.7	0.9	0.8	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

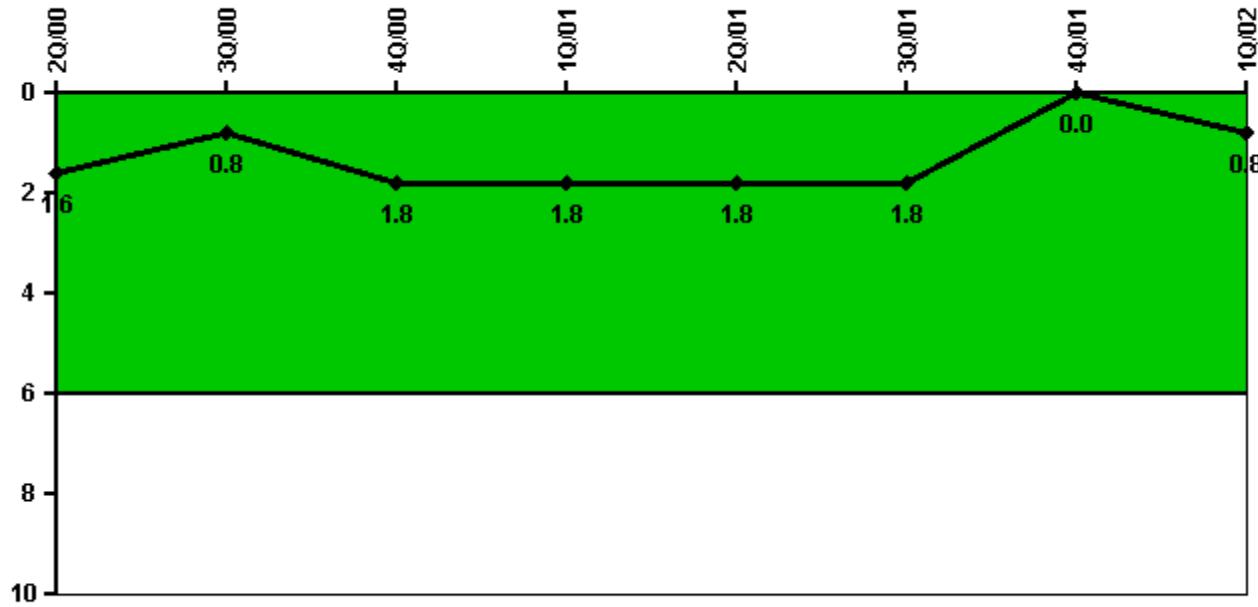
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

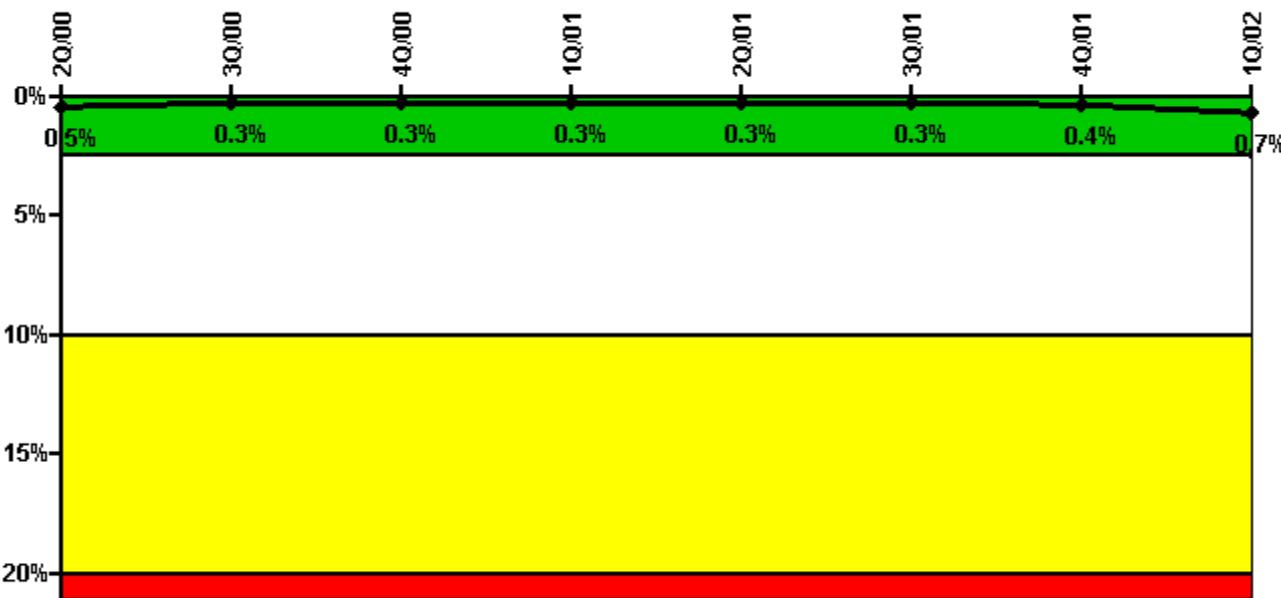
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	2.0	0	0	0	0	1.0
Critical hours	2183.0	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4
Indicator value	<b>1.6</b>	<b>0.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>0</b>	<b>0.8</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



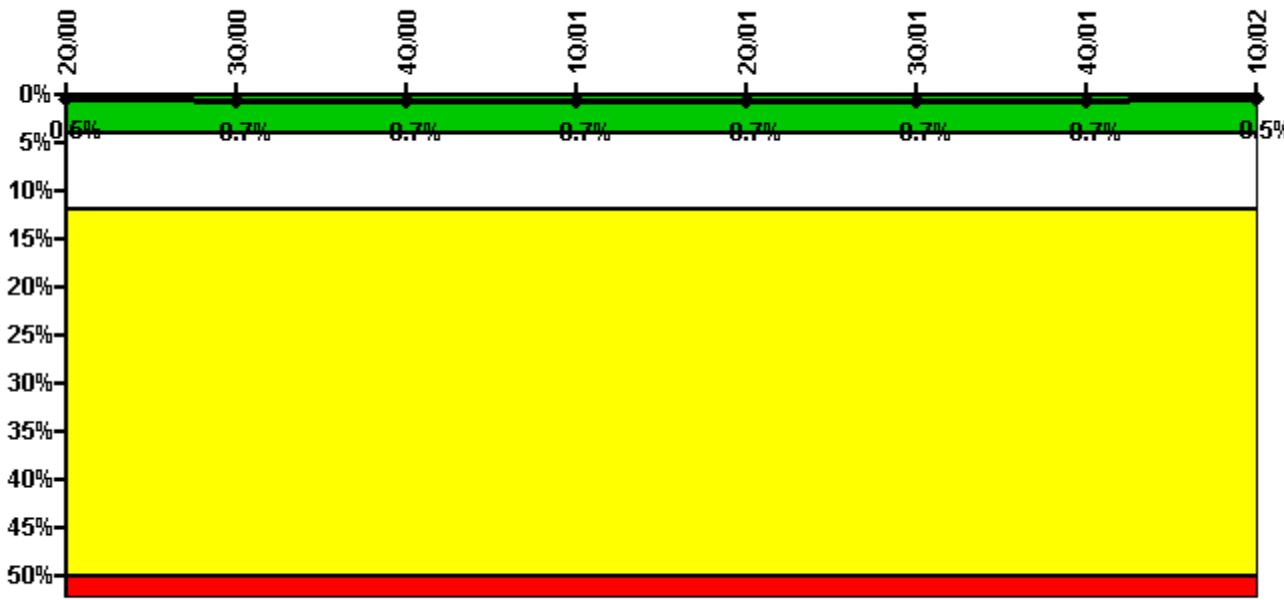
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	0	0.08	0.18	2.00	0.05	0	0	0.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0.72	0	0.32	0	0	0.08
Unplanned unavailable hours	0	0	0.17	8.18	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	20.00	0	8.62	2.05	1.97	4.00	8.27	172.83
Unplanned unavailable hours	51.30	0	0	0	0	0	138.42	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



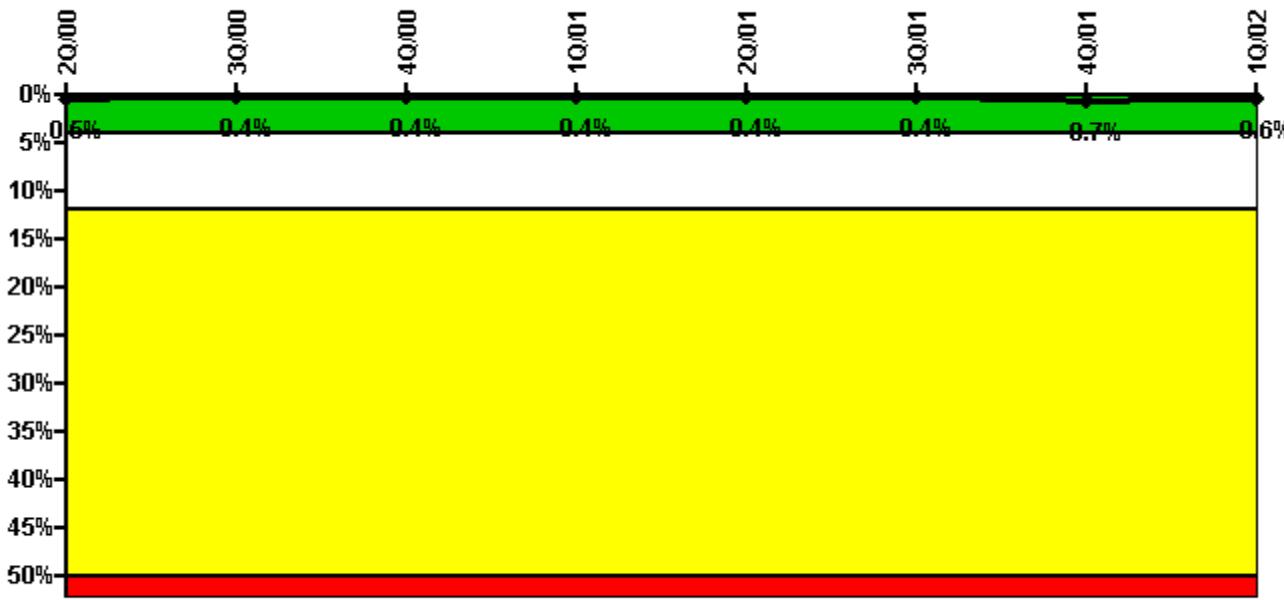
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	0.88	22.54	0.88	0	0	4.58	0	0
Unplanned unavailable hours	0	67.98	0	0.53	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00	1851.40
<b>Indicator value</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



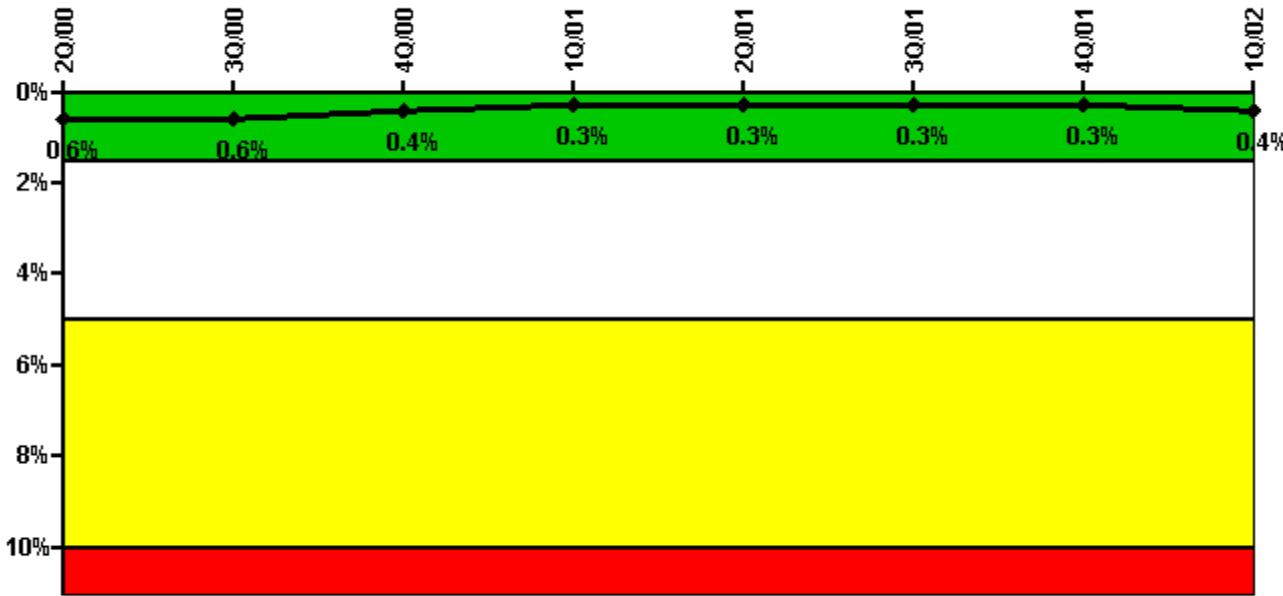
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	0.33	32.85	1.08	0.83	0.42	1.67	46.52	7.67
Unplanned unavailable hours	0	0.43	0	0	0	0	26.15	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00	1851.40
<b>Indicator value</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

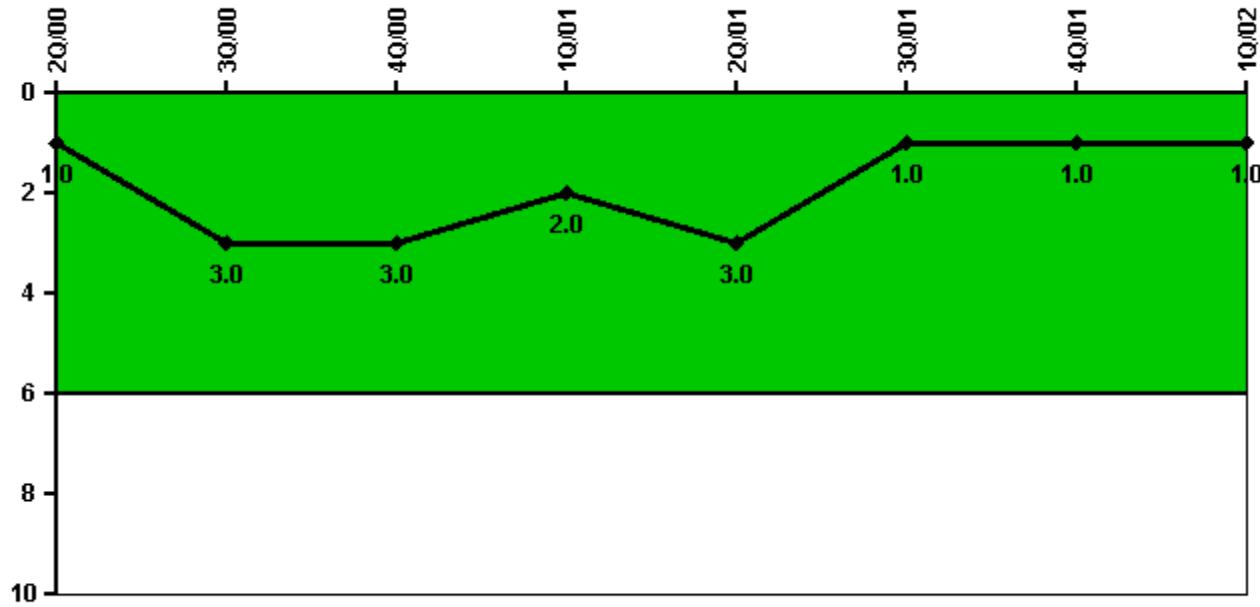


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	0.08	0.37	12.50	0	0	0	0	31.38
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	7.45	78.65	0	0	0	0	18.28
Unplanned unavailable hours	0	0	0.83	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

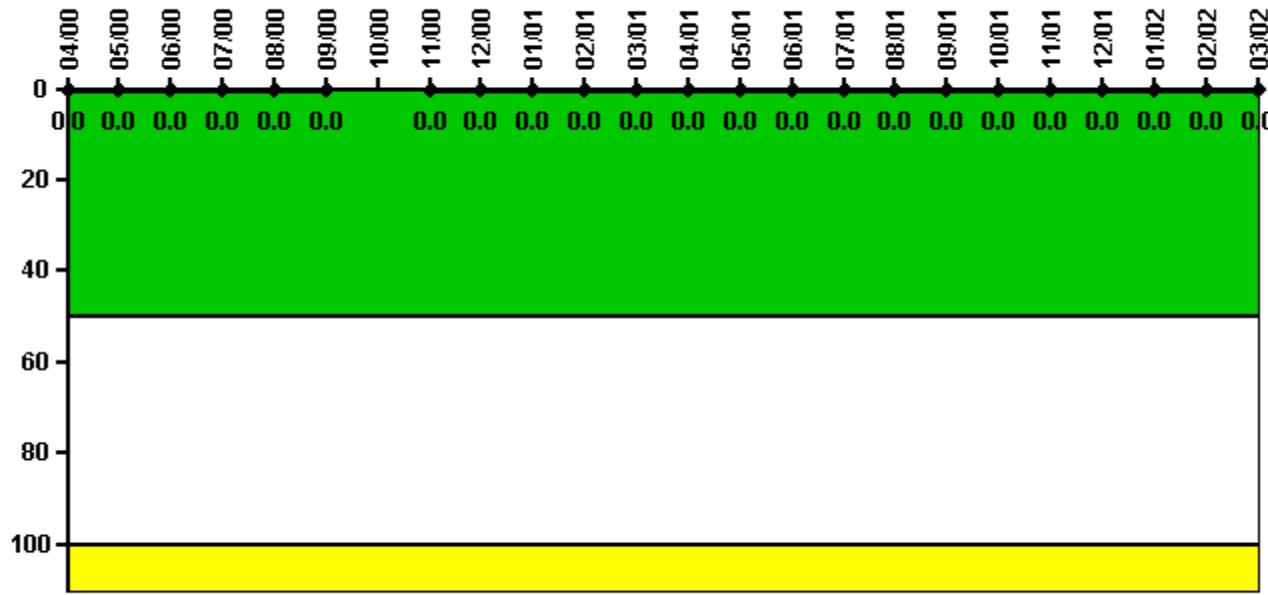
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	0	2	0	0	1	0	0	0
Indicator value	1	3	3	2	3	1	1	1

Licensee Comments: none

## Reactor Coolant System Activity



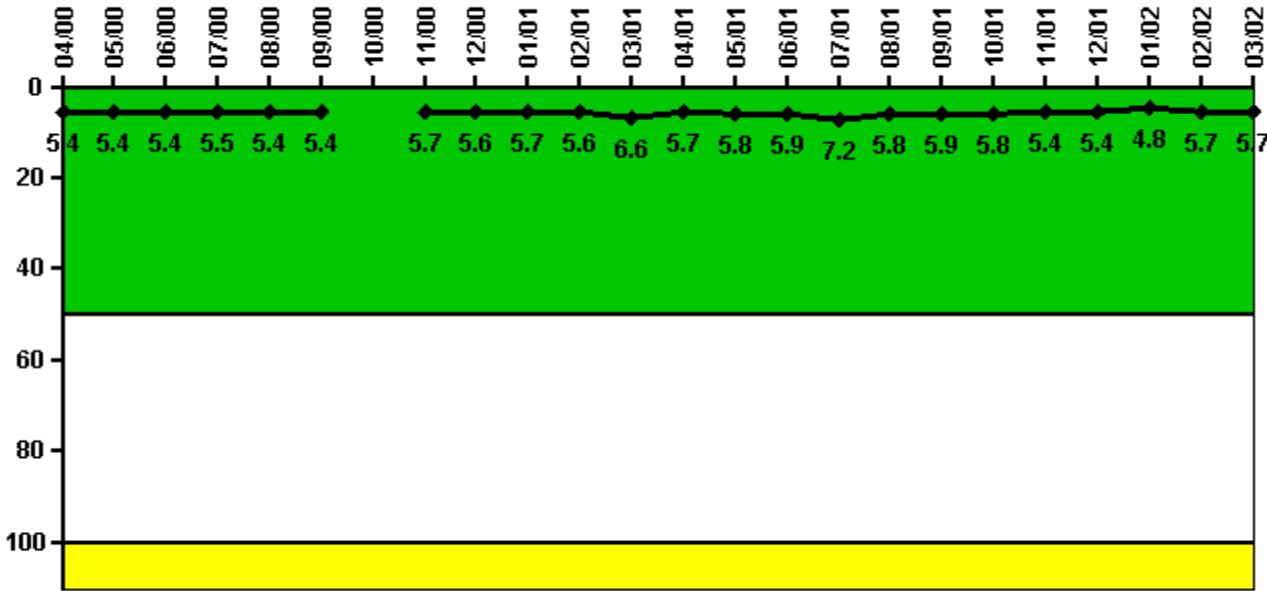
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000050	0.000070	0.000050	0.000070	0.000040	0.000050	N/A	0.000020	0.000030	0.000030	0.000030	0.000030
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

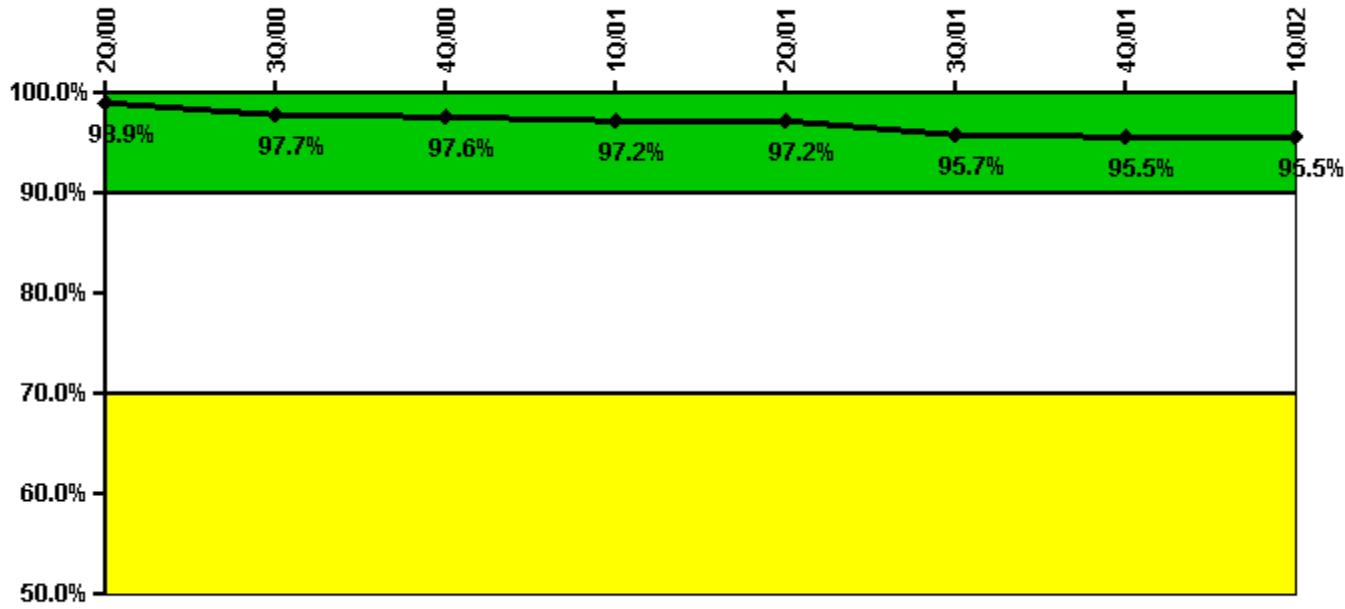
Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.620	1.620	1.620	1.640	1.630	1.630	N/A	1.700	1.680	1.700	1.690	1.990
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	5.4	5.4	5.4	5.5	5.4	5.4	N/A	5.7	5.6	5.7	5.6	6.6

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	1.720	1.740	1.770	2.160	1.750	1.760	1.730	1.630	1.630	1.440	1.720	1.720
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	7.2	5.8	5.9	5.8	5.4	5.4	4.8	5.7	5.7

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

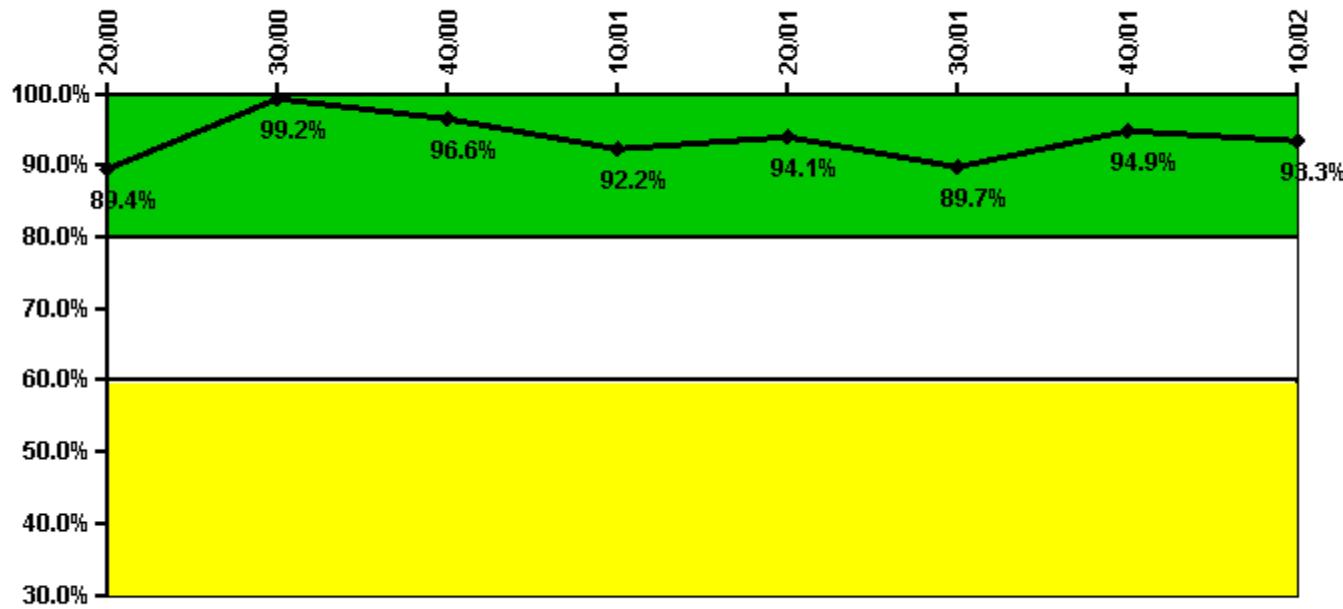
Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	18.0	53.0	0	18.0	33.0	17.0	8.0	0
Total opportunities	19.0	55.0	0	19.0	34.0	19.0	8.0	0
Indicator value	98.9%	97.7%	97.6%	97.2%	97.2%	95.7%	95.5%	95.5%

#### Licensee Comments:

1Q/02: 5/2001: Corrected data reporting errors associated with successful events (17 to 9) and opportunities (18 to 10). Changes did not result in a threshold color change.

2Q/01: 5/2001: Corrected data reporting errors associated with successful events (17 to 9) and opportunities (18 to 10). Changes did not result in a threshold color change.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	110.0	118.0	115.0	118.0	127.0	122.0	131.0	126.0
Total Key personnel	123.0	119.0	119.0	128.0	135.0	136.0	138.0	135.0
Indicator value	89.4%	99.2%	96.6%	92.2%	94.1%	89.7%	94.9%	93.3%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

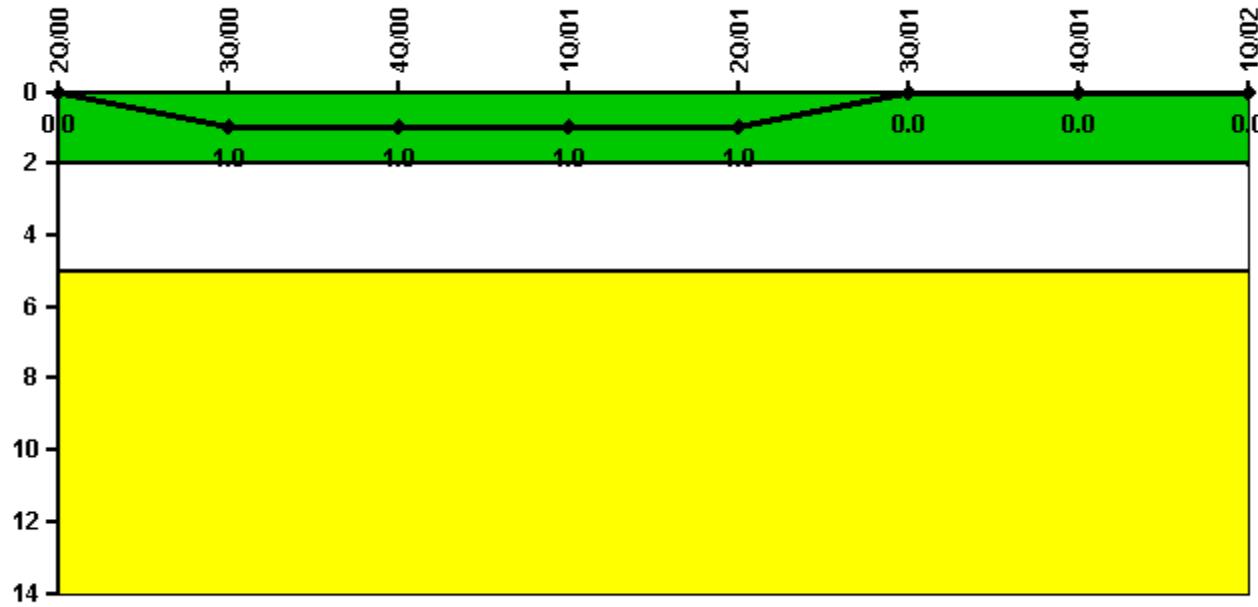
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

1Q/02: Plant Hatch does not use sirens as an Emergency Notification System

**Occupational Exposure Control Effectiveness**

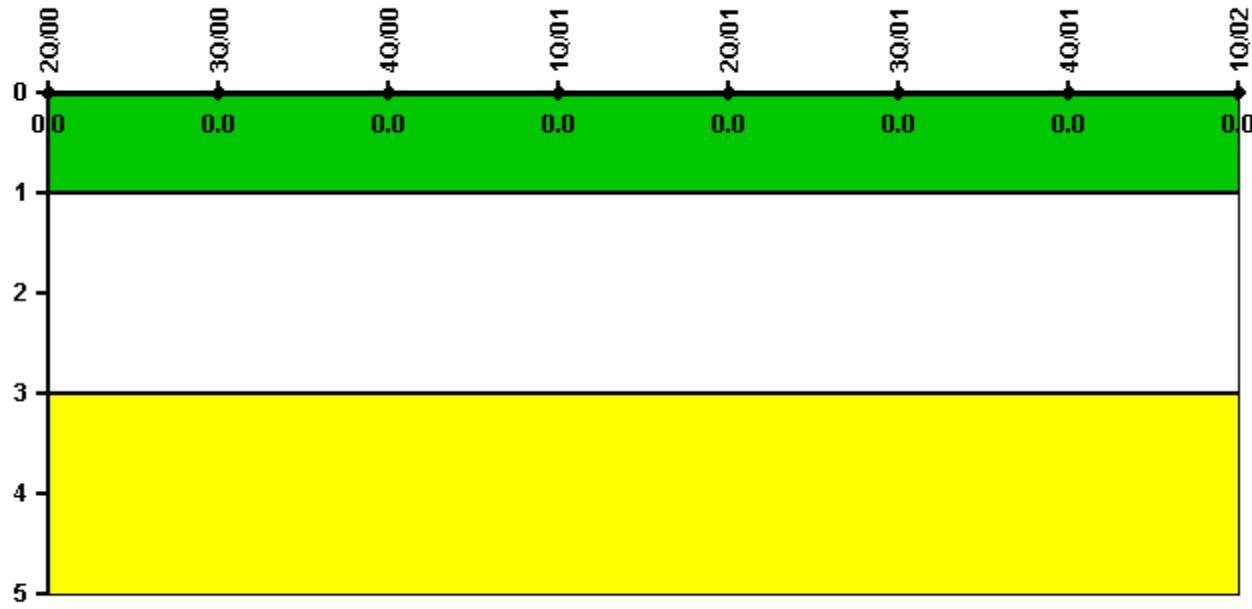
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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	1	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

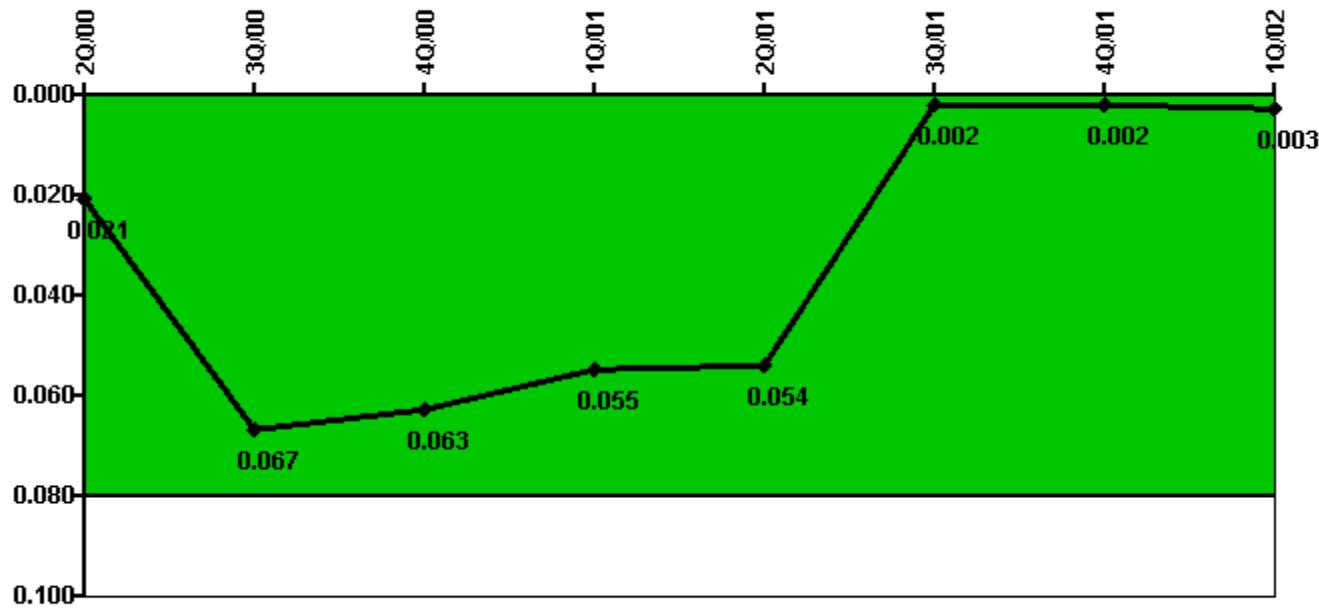
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Protected Area Security Performance Index



Thresholds: White > 0.080

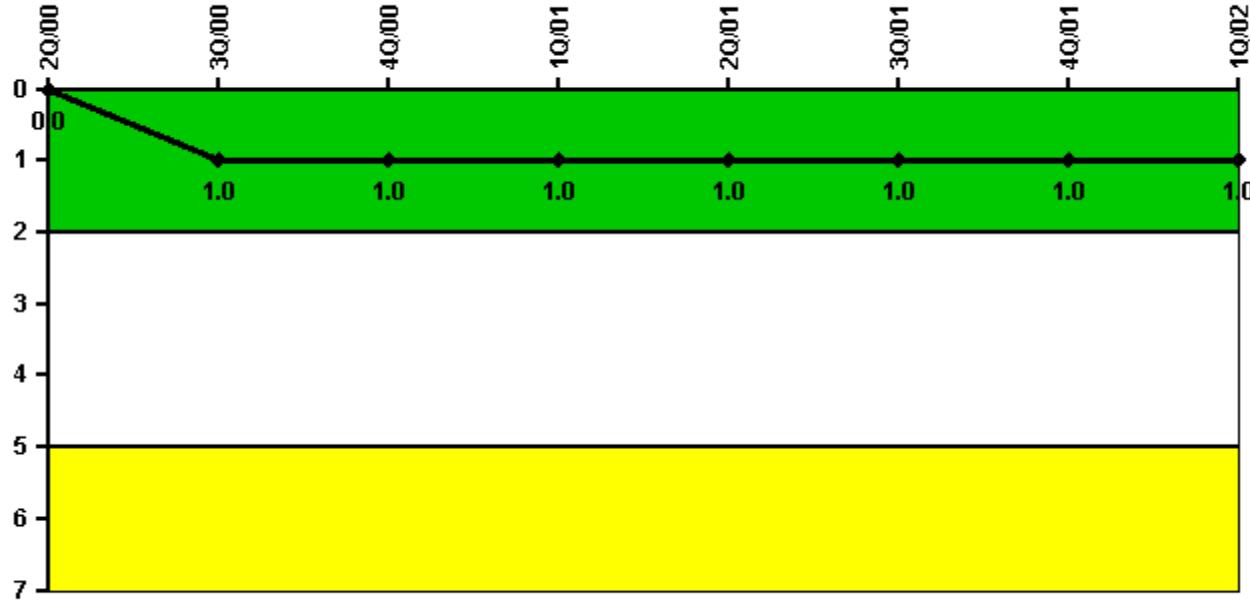
### Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	27.58	1013.82	19.62	0	0.47	0	20.50	20.75
CCTV compensatory hours	2.0	0.4	0	1.1	0	9.0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.021</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>

Licensee Comments:

1Q/02: 1Q2002 - CCTV Normalization factor for 1Q2001 through 1Q2002 was revised (1.13 to 1.00) to reflect changes resulting from an evaluation of FAQ 253. Changes did not result in a threshold color change.

## Personnel Screening Program

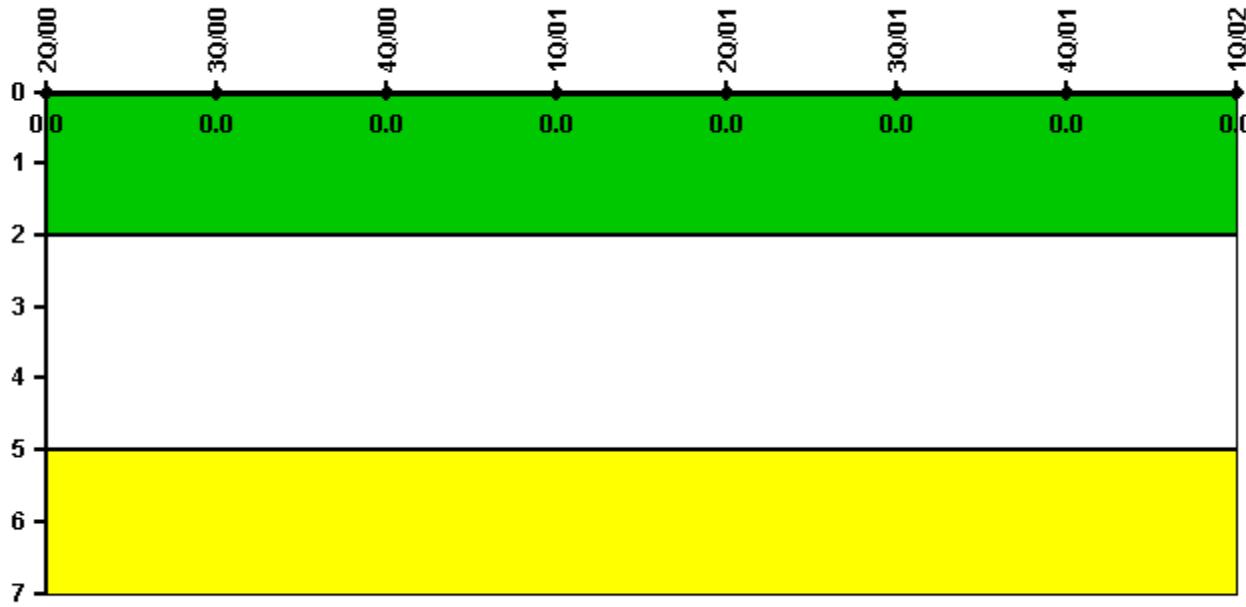


Thresholds: White > 2.0 Yellow > 5.0

### Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program failures	0	1	0	0	0	1	0	0
Indicator value	0	1	1	1	1	1	1	1

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

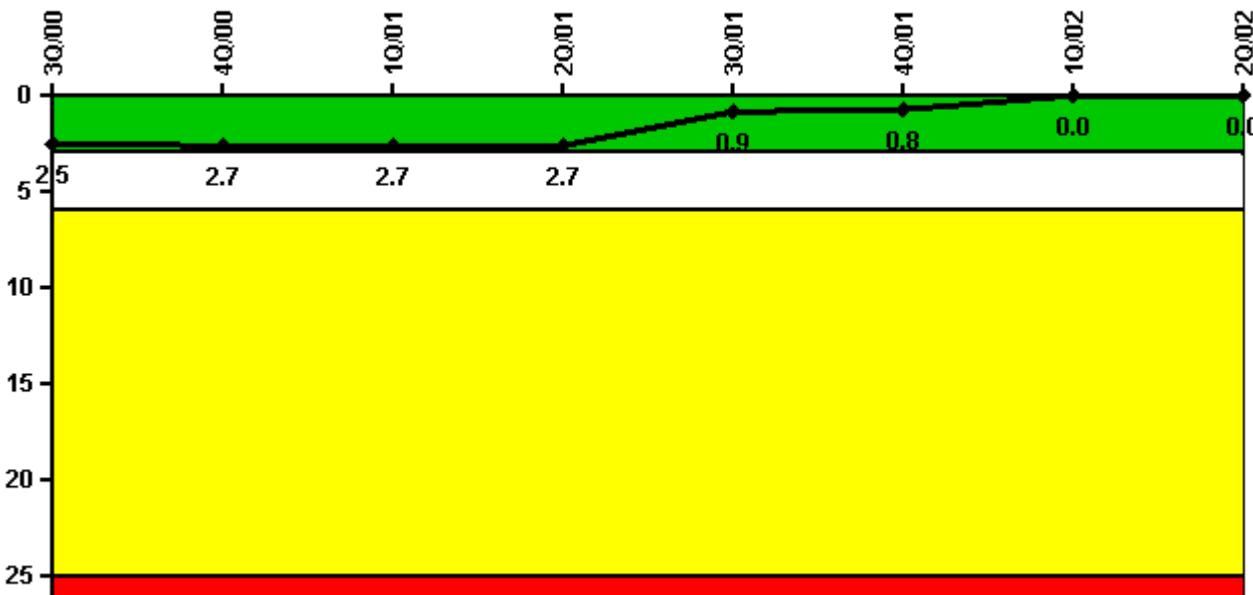
Last Modified: May 1, 2002

# Hatch 1

## 2Q/2002 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs

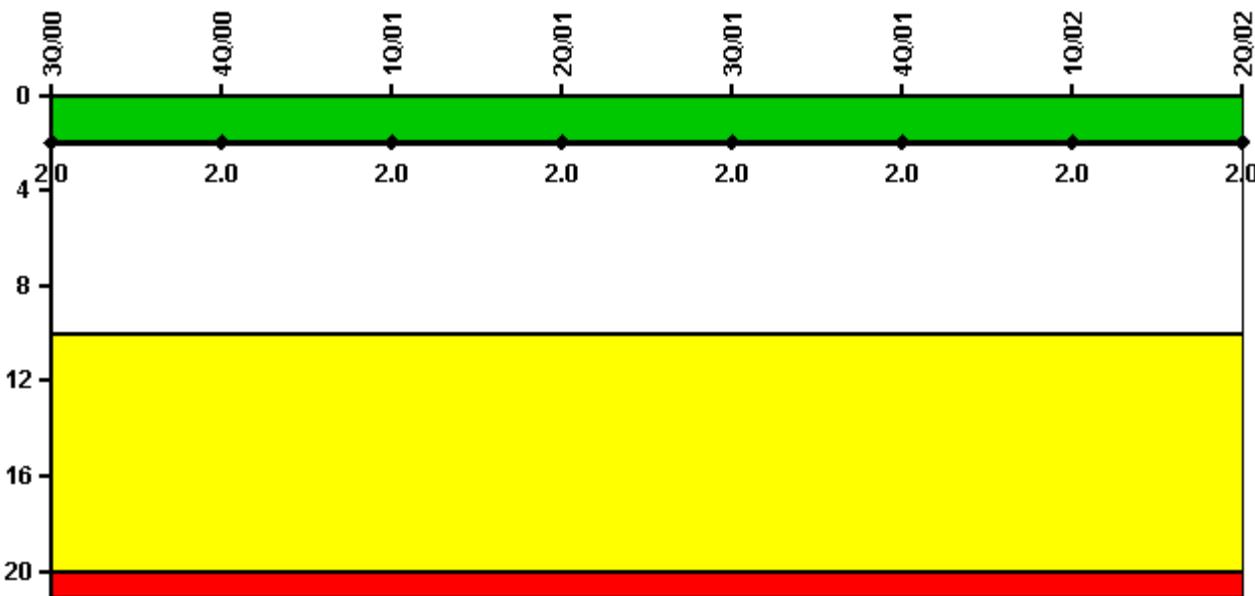


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	2.0	0	1.0	0	0	0	0	0
Critical hours	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4
Indicator value	2.5	2.7	2.7	2.7	0.9	0.8	0	0

Licensee Comments: none

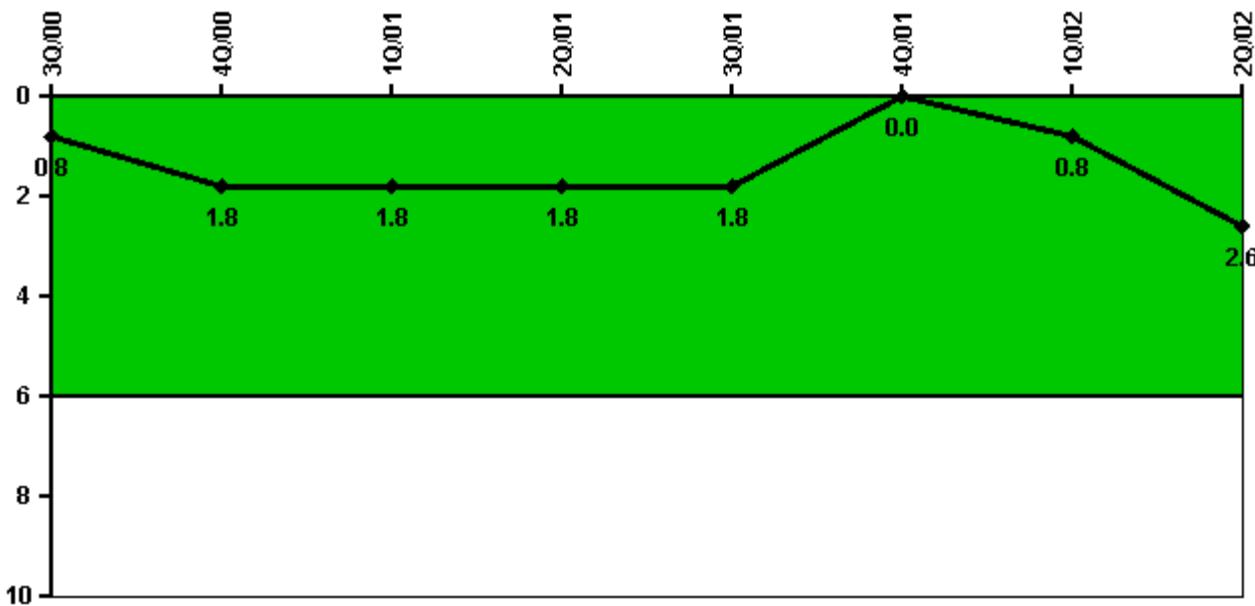
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

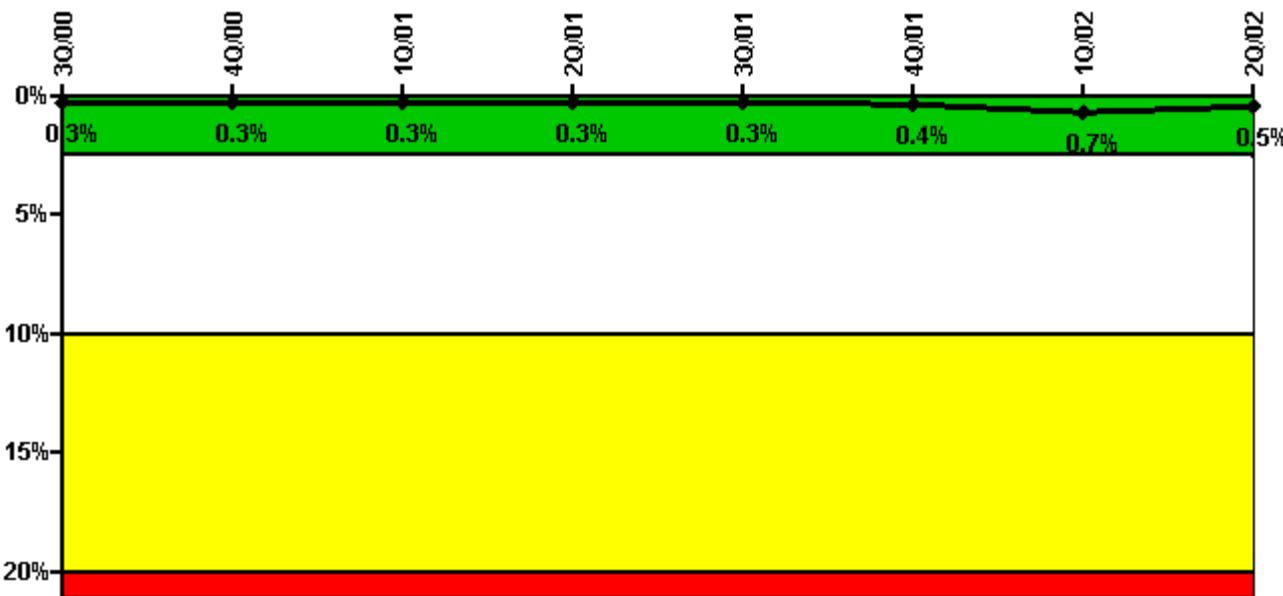
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	2.0	0	0	0	0	1.0	2.0
Critical hours	2094.6	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4
Indicator value	0.8	1.8	1.8	1.8	1.8	0	0.8	2.6

Licensee Comments: none

## **Safety System Unavailability, Emergency AC Power, >2EDG**



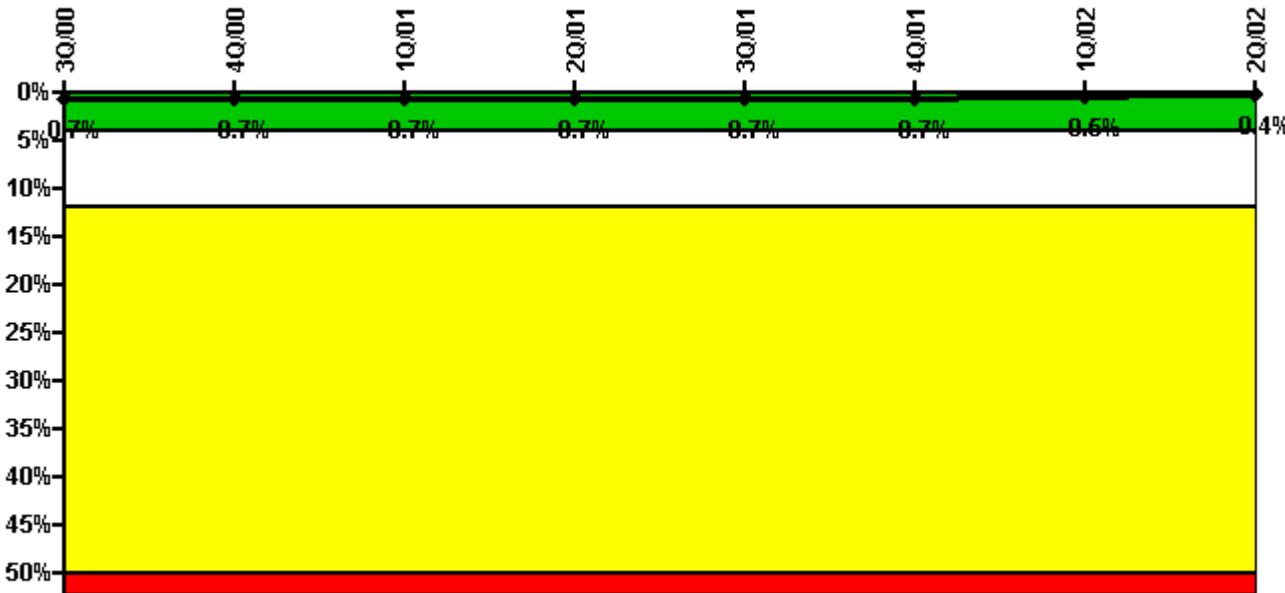
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

<b>Safety System Unavailability, Emergency AC Power, &gt;2EDG</b>		<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>
<b>Train 1</b>									
Planned unavailable hours		0.08	0.18	2.00	0.05	0	0	0.08	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>									
Planned unavailable hours		0	0.72	0	0.32	0	0	0.08	0
Unplanned unavailable hours		0	0.17	8.18	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>									
Planned unavailable hours		0	8.62	2.05	1.97	4.00	8.27	172.83	0
Unplanned unavailable hours		0	0	0	0	0	138.42	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>		<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



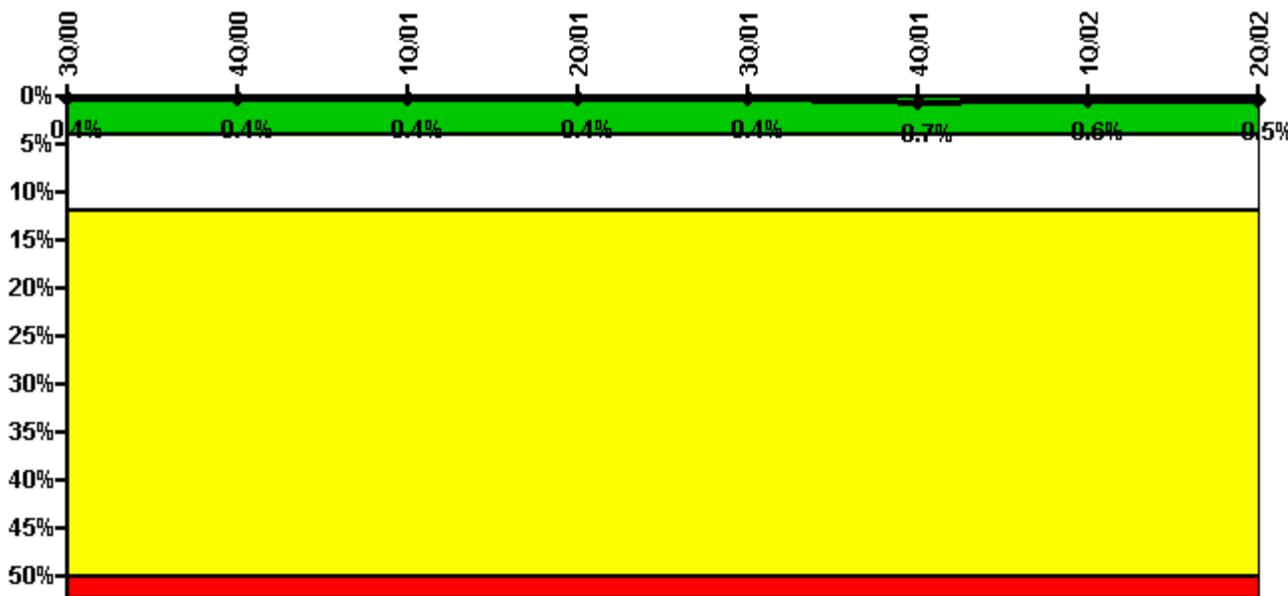
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	22.54	0.88	0	0	4.58	0	0	0
Unplanned unavailable hours	67.98	0	0.53	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



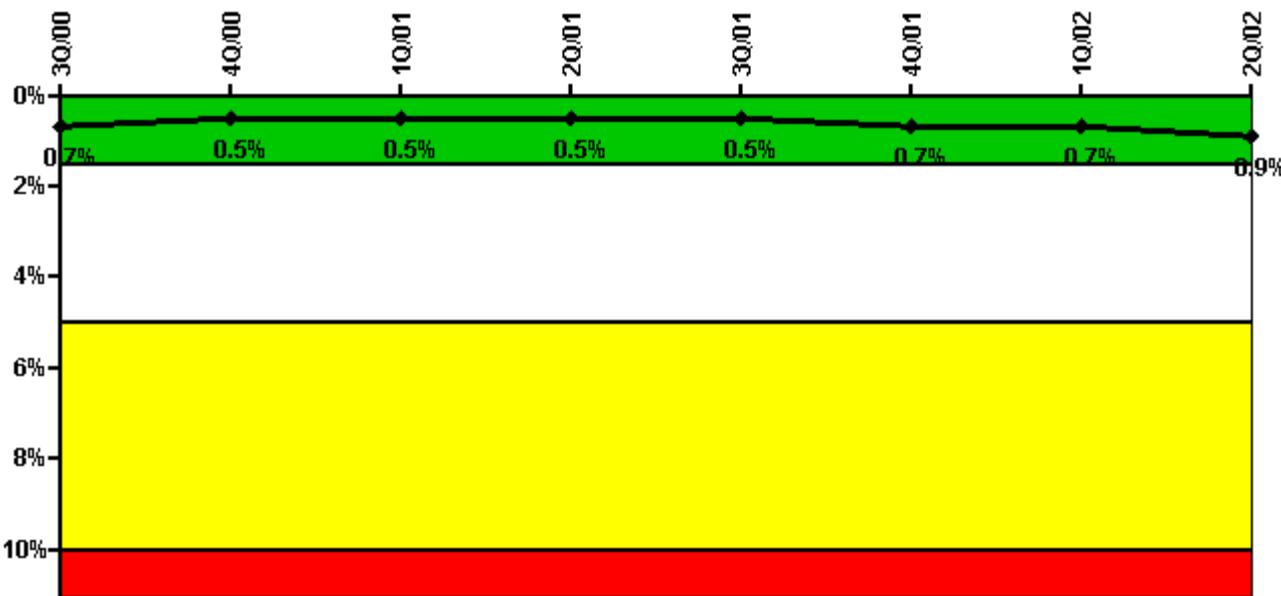
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	32.85	1.08	0.83	0.42	1.67	46.52	7.67	5.75
Unplanned unavailable hours	0.43	0	0	0	0	26.15	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.63	1399.32	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>

Licensee Comments: none

## **Safety System Unavailability, Residual Heat Removal System**



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

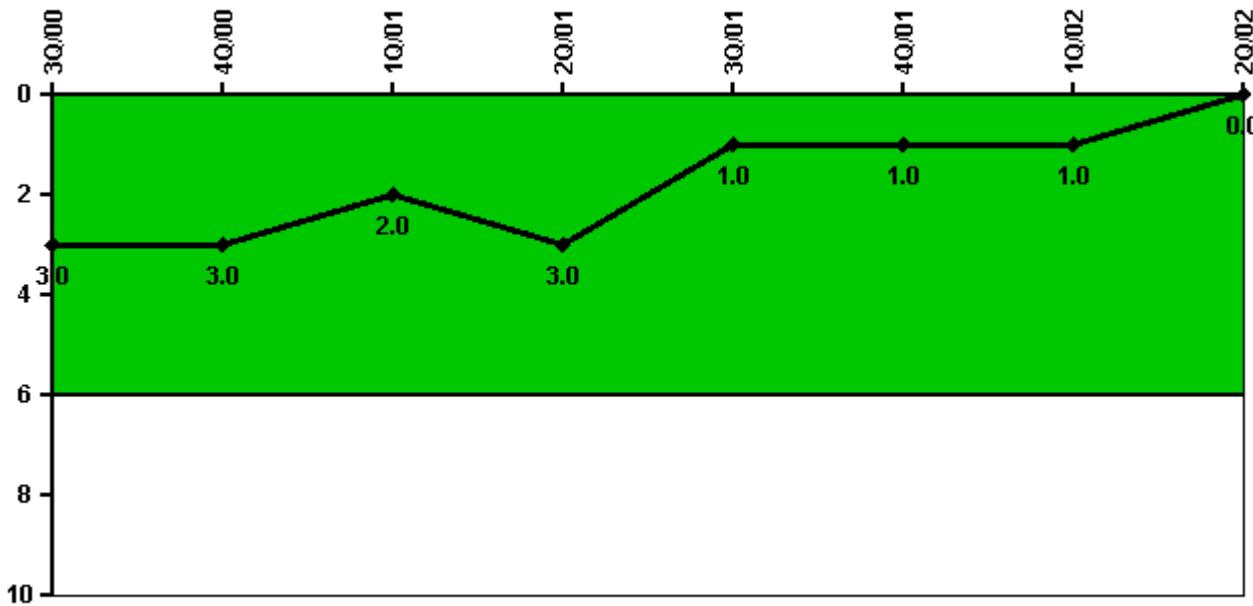
Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	0.37	12.50	0	0	0	0	31.38	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	7.45	78.65	0	0	0	0	18.28	98.77
Unplanned unavailable hours	0	0.83	0	0	0	126.72	0	0.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.9%</b>

### Licensee Comments:

4Q/01: 01/2000(train 1), 59.667 planned unavailable hours, 04/2000 (train 2), 7.583 planned unavailable hours, and 12/2001(train 2), 126.717 unplanned unavailable hours were added due to a design deficiency identified that makes 2 RHRW pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

2Q/00: 1Q2000 - The number of Planned Unavailable Hours (Train 1) indicated for this quarter was 22.03. This value should have been 22.333. This change does not result in a threshold color change.

### Safety System Functional Failures (BWR)



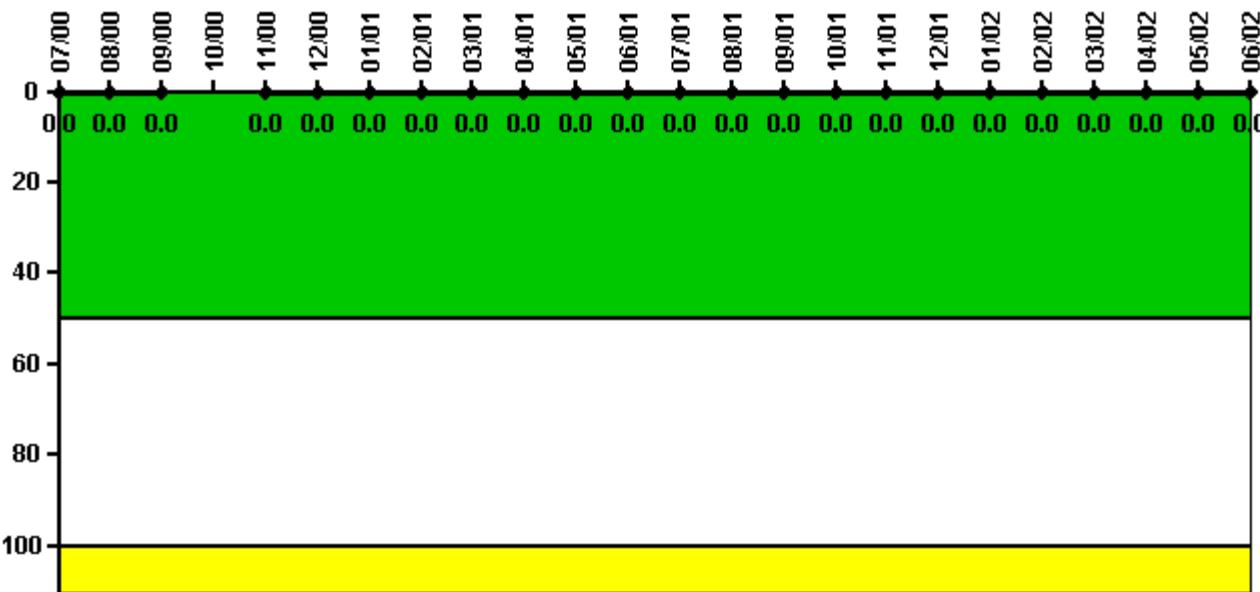
Thresholds: White > 6.0

#### Notes

Safety System Functional Failures (BWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Safety System Functional Failures	2	0	0	1	0	0	0	0
Indicator value	3	3	2	3	1	1	1	0

Licensee Comments: none

### Reactor Coolant System Activity



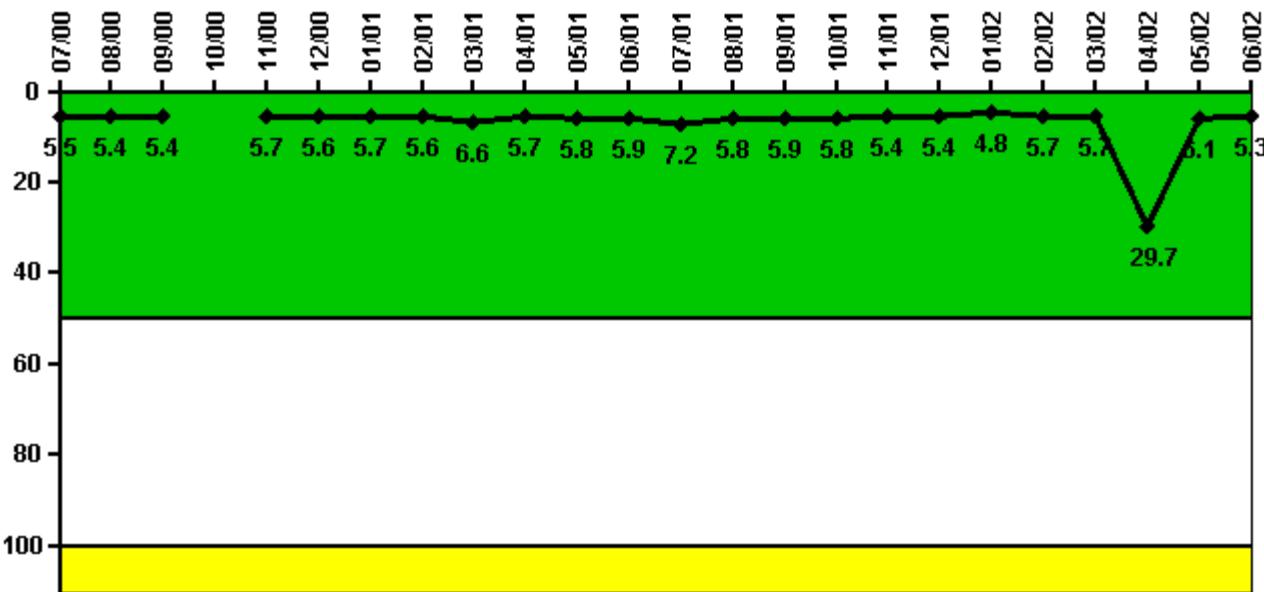
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000070	0.000040	0.000050	N/A	0.000020	0.000030	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030
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	N/A	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060
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	0

Licensee Comments: none

### Reactor Coolant System Leakage

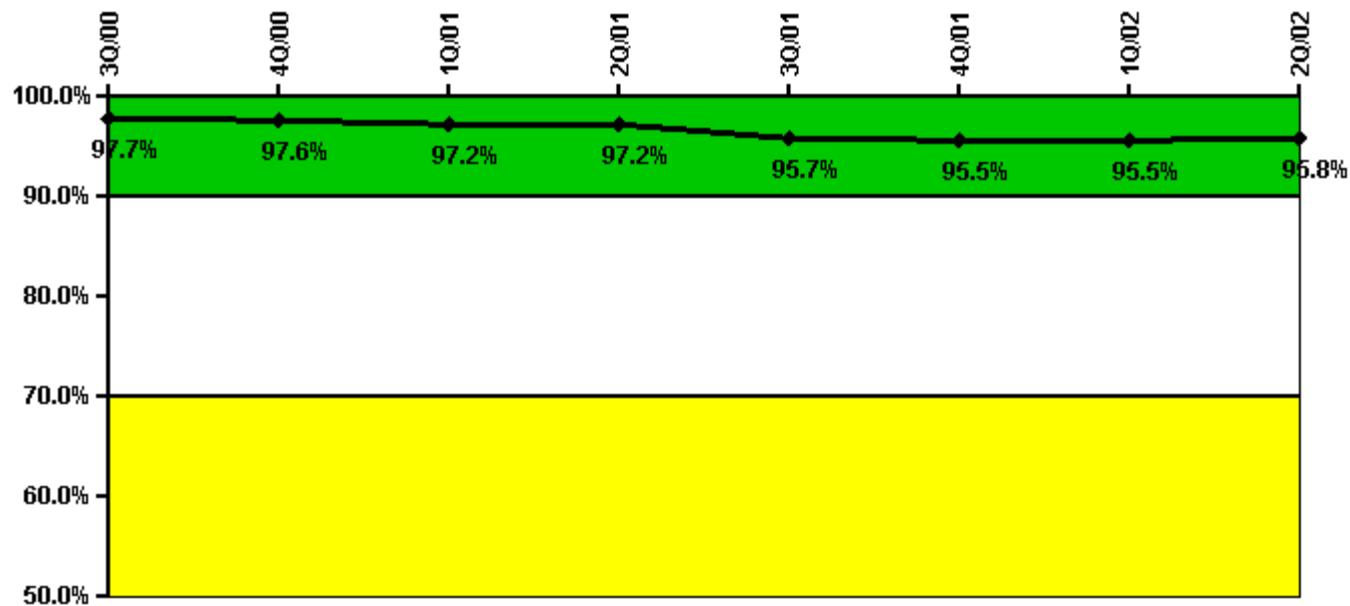


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	1.640	1.630	1.630	N/A	1.700	1.680	1.700	1.690	1.990	1.720	1.740	1.770
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	5.5	5.4	5.4	N/A	5.7	5.6	5.7	5.6	6.6	5.7	5.8	5.9
Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	2.160	1.750	1.760	1.730	1.630	1.630	1.440	1.720	1.720	8.910	1.820	1.580
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	7.2	5.8	5.9	5.8	5.4	5.4	4.8	5.7	5.7	29.7	6.1	5.3

Licensee Comments: none

**Drill/Exercise Performance**

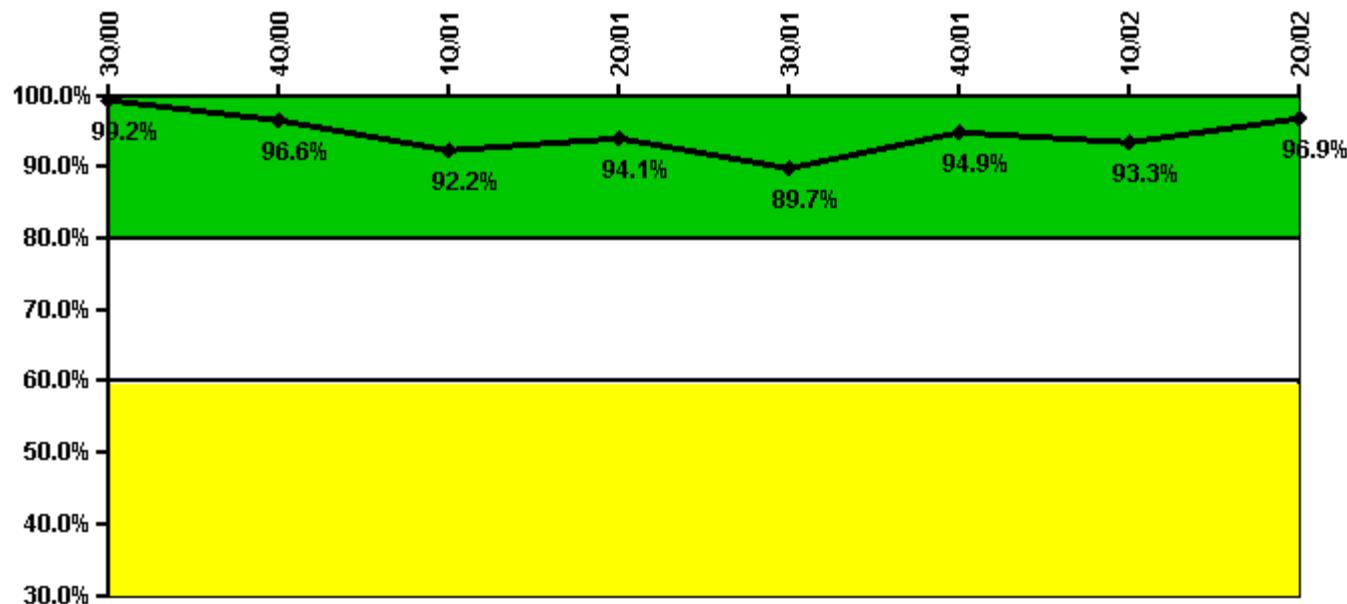
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	53.0	0	18.0	33.0	17.0	8.0	0	8.0
Total opportunities	55.0	0	19.0	34.0	19.0	8.0	0	8.0
Indicator value	97.7%	97.6%	97.2%	97.2%	95.7%	95.5%	95.5%	95.8%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	118.0	115.0	118.0	127.0	122.0	131.0	126.0	123.0
Total Key personnel	119.0	119.0	128.0	135.0	136.0	138.0	135.0	127.0
Indicator value	99.2%	96.6%	92.2%	94.1%	89.7%	94.9%	93.3%	96.9%

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

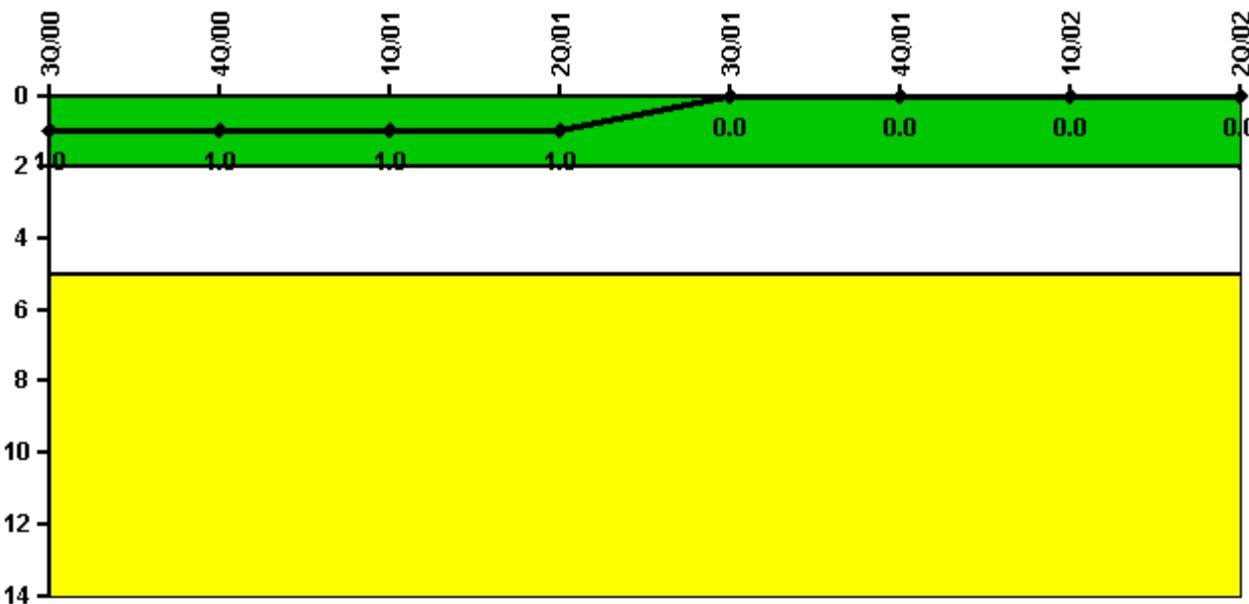
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/00</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

2Q/02: Plant Hatch does not use sirens as an emergency notification system.

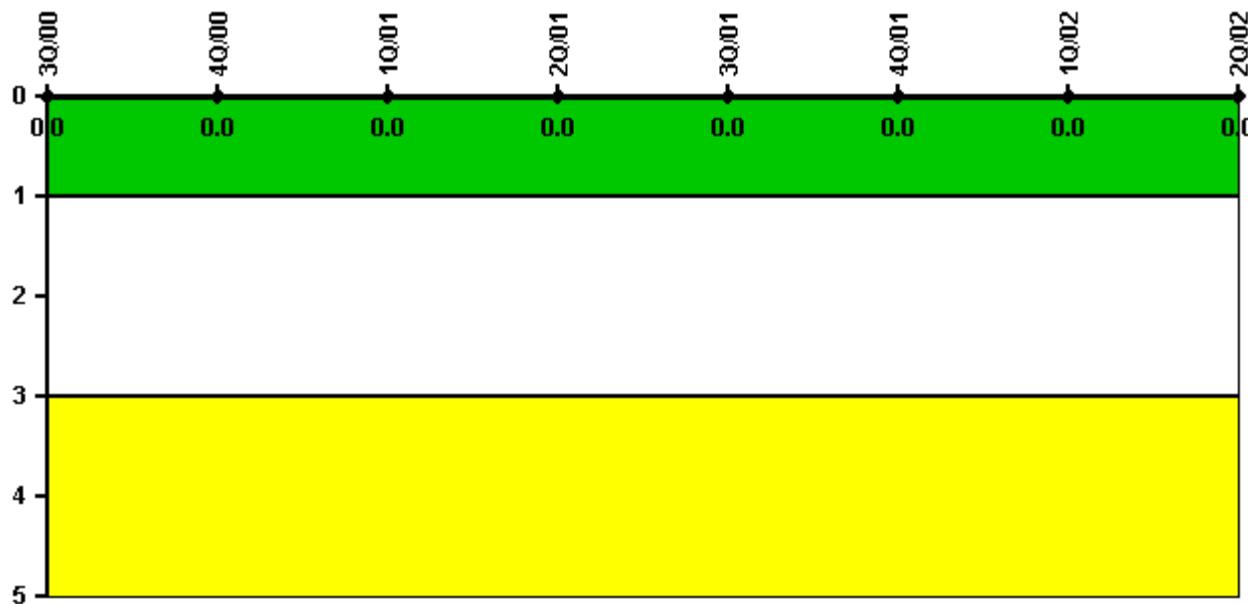
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
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	1	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

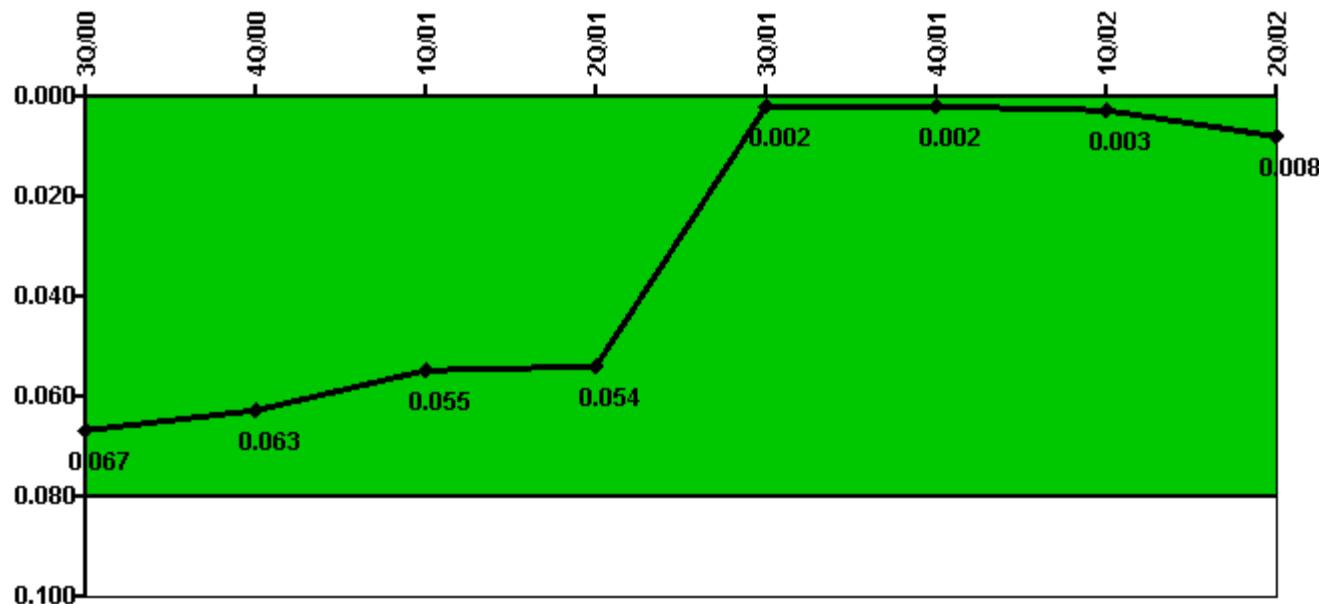
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index

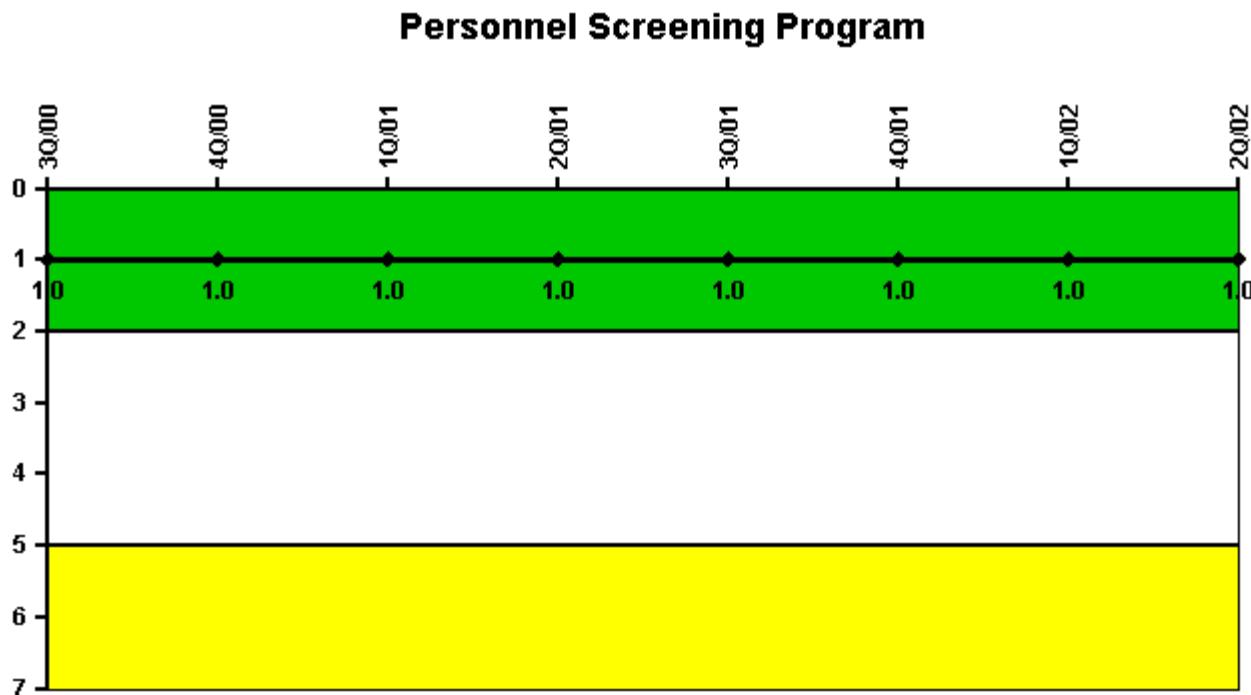


Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	1013.82	19.62	0	0.47	0	20.50	20.75	14.06
CCTV compensatory hours	0.4	0	1.1	0	9.0	0	0	87.5
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.067</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>

Licensee Comments: none

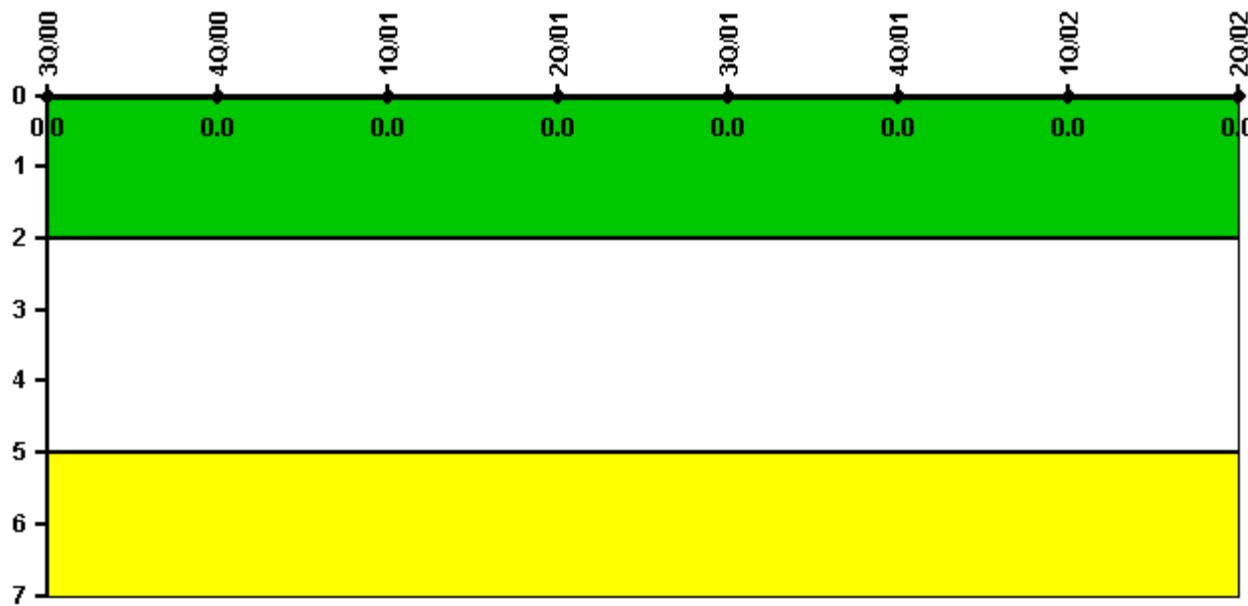


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program failures	1	0	0	0	1	0	0	0
Indicator value	<b>1</b>							

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

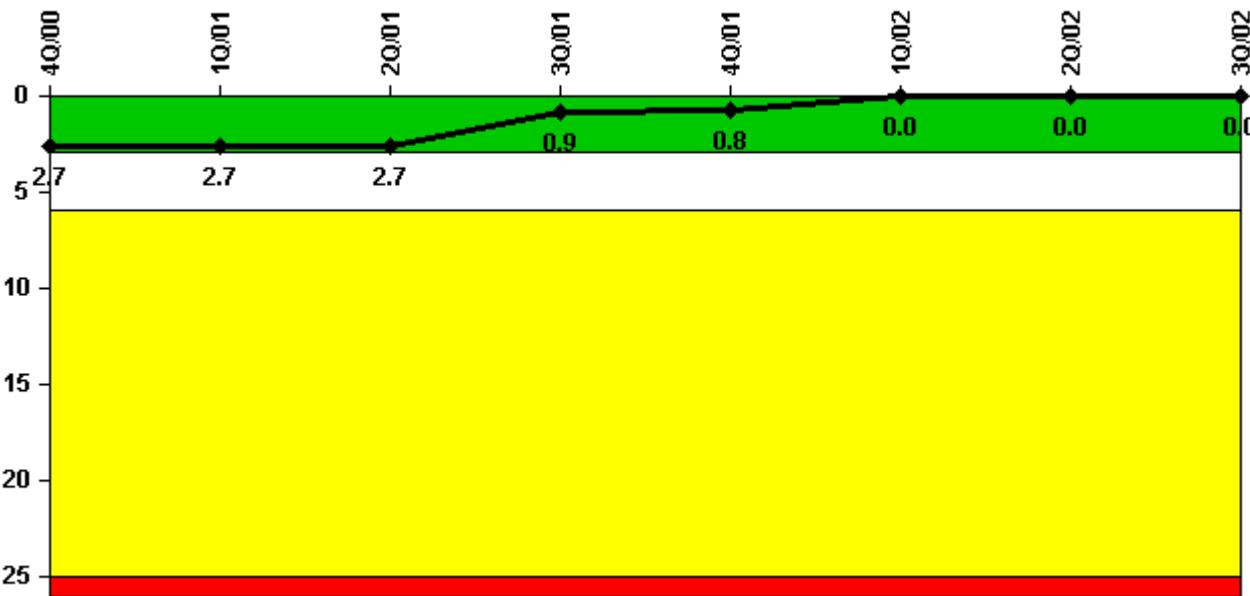


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: July 31, 2002

**Hatch 1****3Q/2002 Performance Indicators**

Licensee's General Comments: none

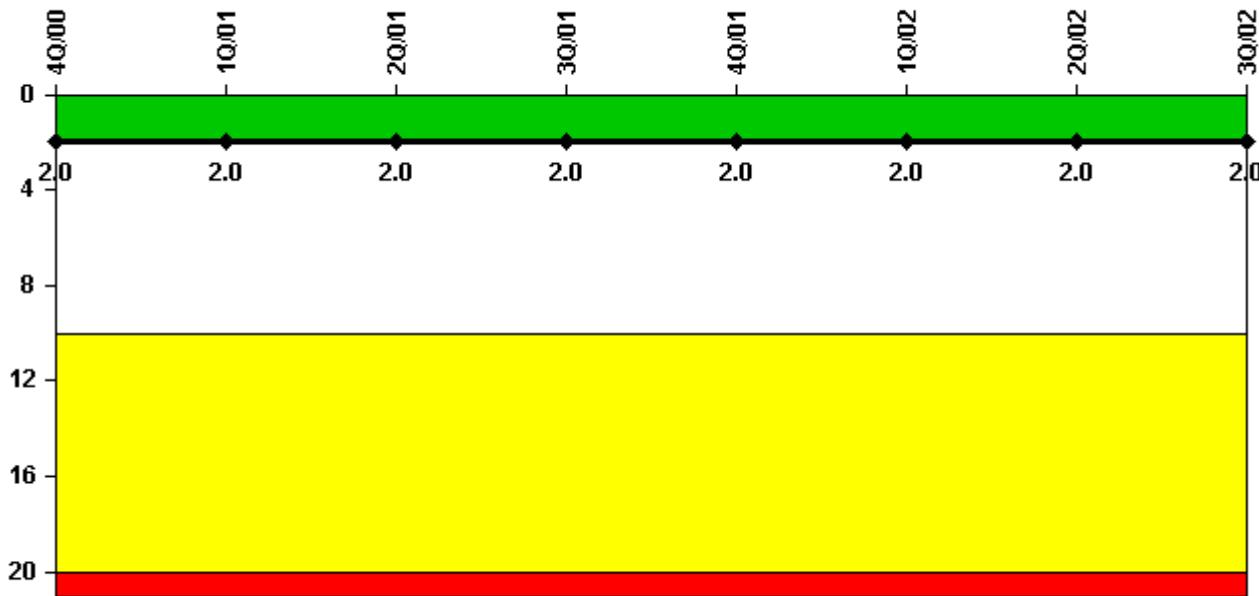
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0
Indicator value	2.7	2.7	2.7	0.9	0.8	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

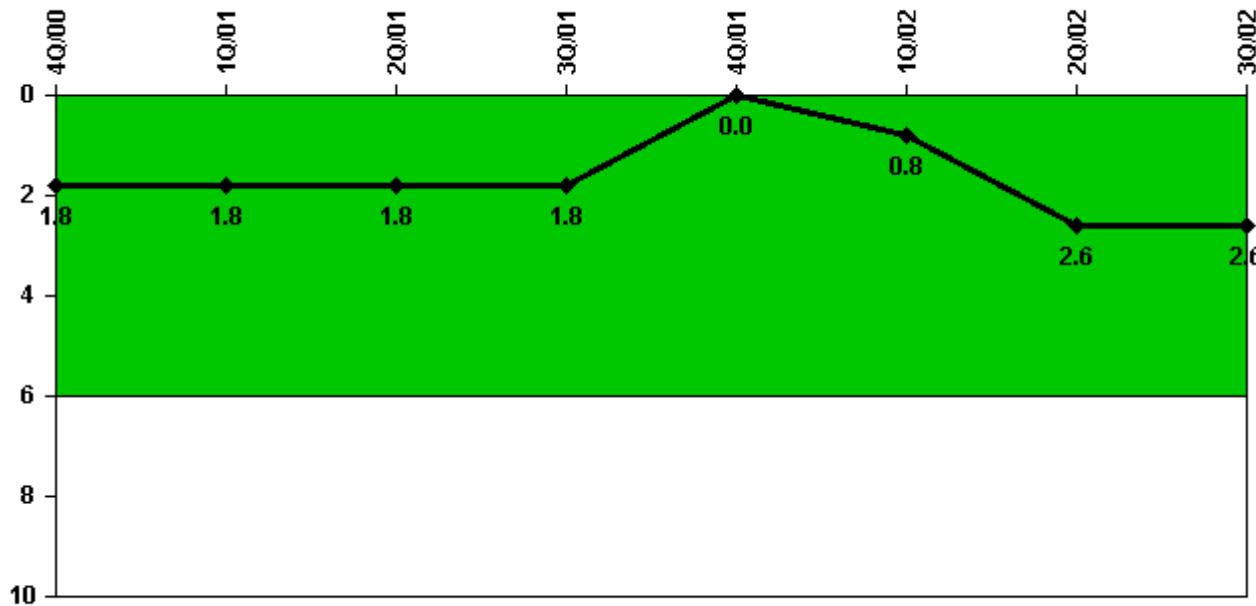
**Notes**

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

---

### Unplanned Power Changes per 7000 Critical Hrs



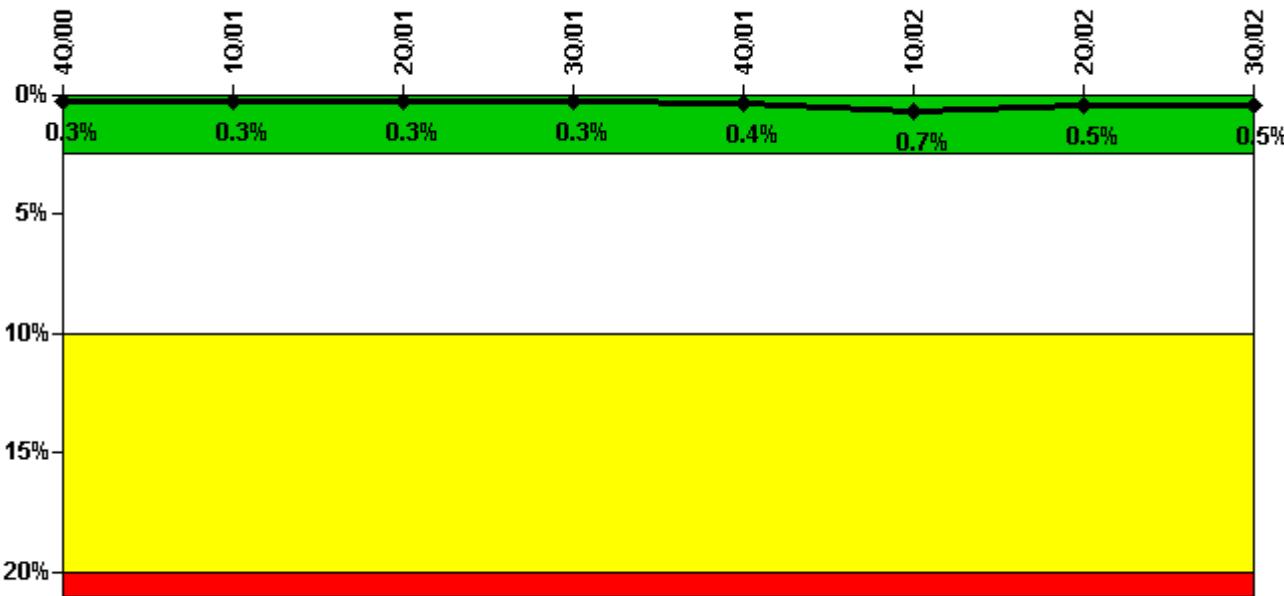
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	2.0	0	0	0	0	1.0	2.0	0
Critical hours	1399.3	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0
Indicator value	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>0</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



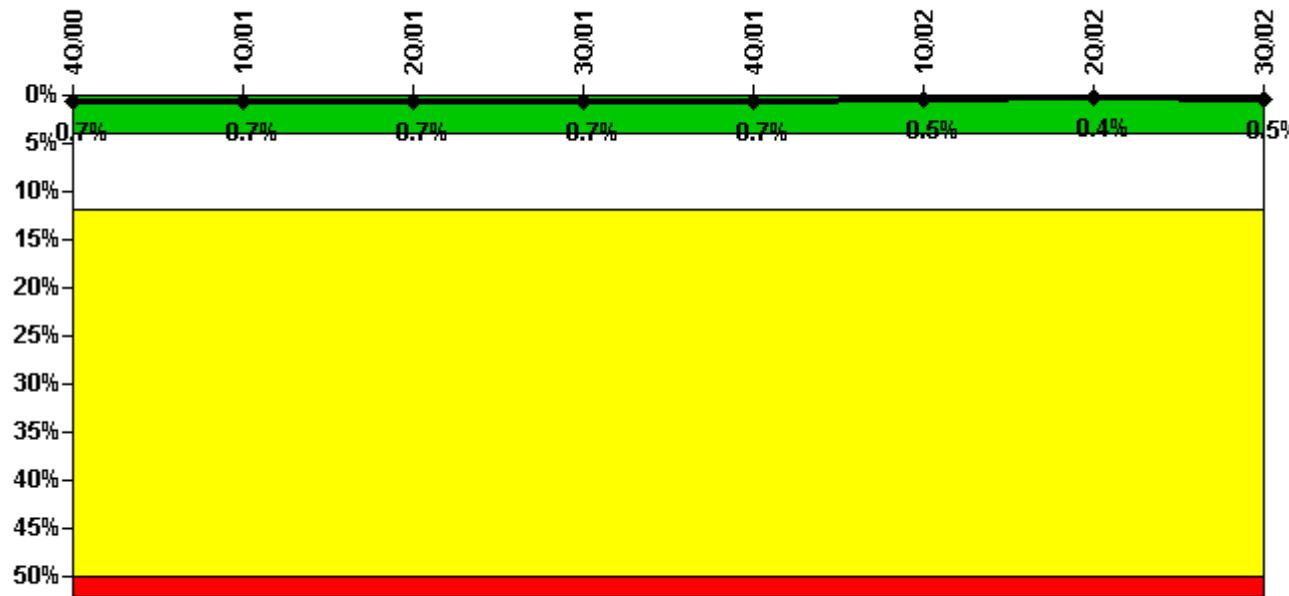
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	0.18	2.00	0.05	0	0	0.08	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0.72	0	0.32	0	0	0.08	0	0
Unplanned unavailable hours	0.17	8.18	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	8.62	2.05	1.97	4.00	8.27	172.83	0	0
Unplanned unavailable hours	0	0	0	0	138.42	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



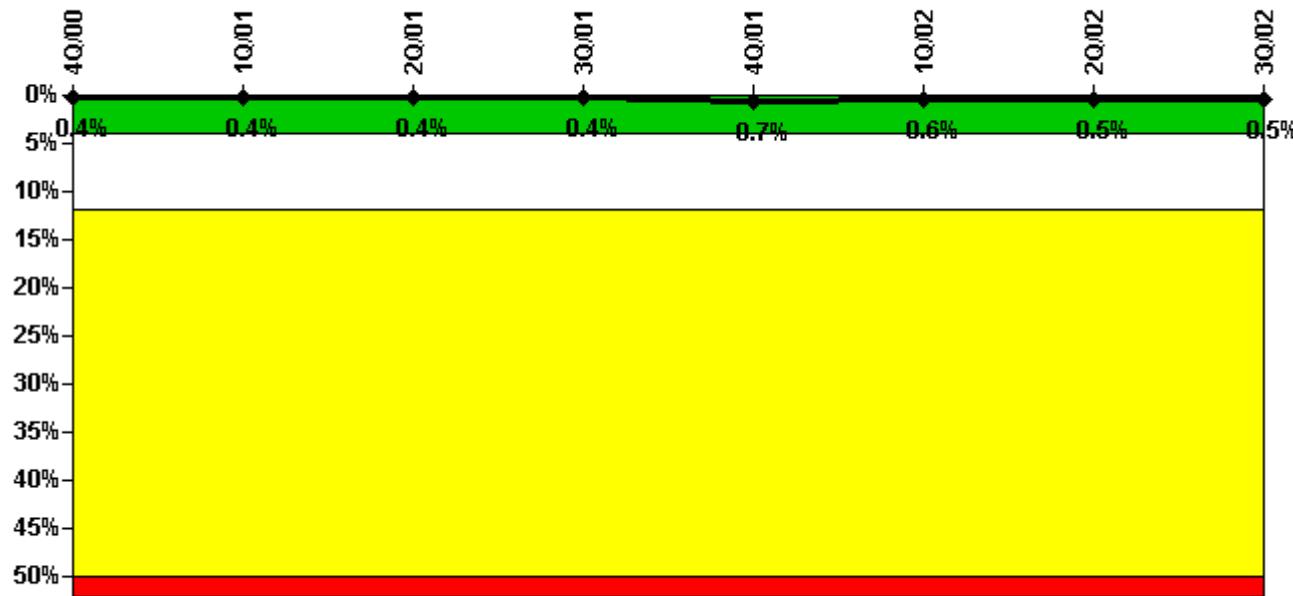
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)		4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>									
Planned unavailable hours		0.88	0	0	4.58	0	0	0	0
Unplanned unavailable hours		0	0.53	0	0	0	0	0	17.08
Fault exposure hours		0	0	0	0	0	0	0	11.58
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		1399.32	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00
<b>Indicator value</b>		<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

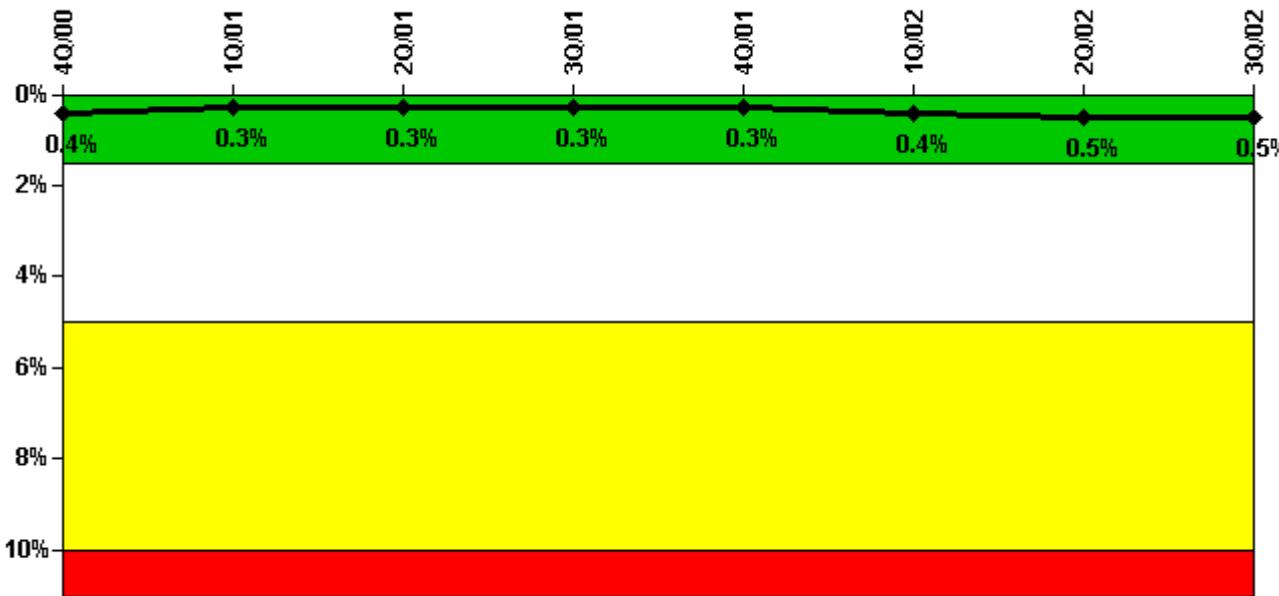
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	1.08	0.83	0.42	1.67	46.52	7.67	5.75	0.42
Unplanned unavailable hours	0	0	0	0	26.15	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1399.32	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

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## Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	12.50	0	0	0	0	31.38	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.83	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	78.65	0	0	0	0	18.28	67.93	0
Unplanned unavailable hours	0.83	0	0	0	0	0	0.83	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>

### Licensee Comments:

3Q/02: Due to an engineering evaluation which concluded the removal of any one of the RHRSS pump motors would not create an overstressed condition during a seismic event, the following hours have been removed: 01/2000 (train 1) 59.667 planned hours; 04/2000 (train 2) 7.583 planned hours; 12/2001 (train 2) 126.717 unplanned hours; and 6/2002 (train 2) 30.833 planned hours. This did not affect the color of the indicator.

2Q/02: Due to an engineering evaluation, which concluded the removal of any one of the RHRSS pump motors would not create an overstressed condition during a seismic event, the 30.833 hours included in the 2Q2002 submittal were removed in the Q3/2002 sumittal. There was no affect to the color of the indicator.

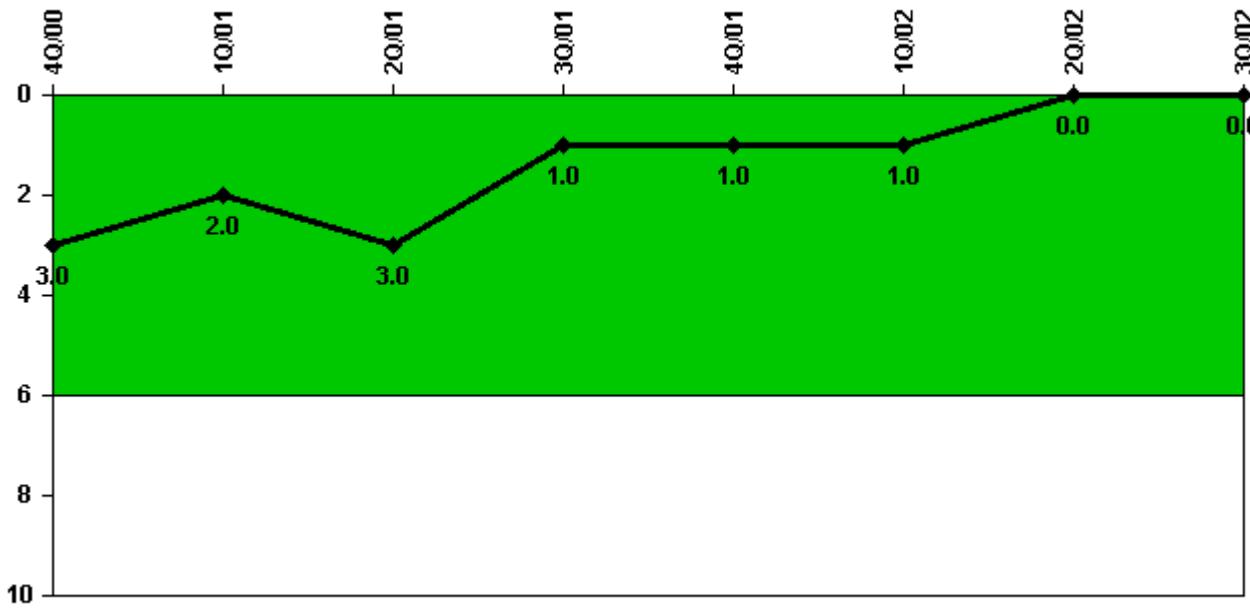
4Q/01: Due to an engineering evaluation, which concluded the removal of any one of the RHRSS pump motors would not create an overstressed condition during a seismic event, the hours listed below were removed and data restored to the original value in the Q3/2002 sumittal. There was no affect to the color of the indicator. 01/2000

(train 1), 59.667 planned unavailable hours, 04/2000 (train 2), 7.583 planned unavailable hours, and 12/2001 (train 2), 126.717 unplanned unavailable hours were added due to a design deficiency identified that makes 2 RHRSW pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

2Q/00: 1Q2000 - The number of Planned Unavailable Hours (Train 1) indicated for this quarter was 22.03. This value should have been 22.333. This change does not result in a threshold color change. Due to an engineering evaluation, which concluded the removal of any one of the RHR<sub>SW</sub> pump motors would not create an overstressed condition during a seismic event, the hours listed below were removed and data restored to the original value in the Q3/2002 sumittal. There was no affect to the color of the indicator. 01/2000(train 1), 59.667 planned unavailable hours, 04/2000 (train 2), 7.583 planned unavailable hours, and 12/2001(train 2), 126.717 unplanned unavailable hours were added due to a design deficiency identified that makes 2 RHR<sub>SW</sub> pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

1Q/00: Due to an engineering evaluation, which concluded the removal of any one of the RHR<sub>SW</sub> pump motors would not create an overstressed condition during a seismic event, the hours listed below were removed and data restored to the original value in the Q3/2002 sumittal. There was no affect to the color of the indicator. 01/2000 (train 1), 59.667 planned unavailable hours, 04/2000 (train 2), 7.583 planned unavailable hours, and 12/2001 (train 2), 126.717 unplanned unavailable hours were added due to a design deficiency identified that makes 2 RHR<sub>SW</sub> pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

## **Safety System Functional Failures (BWR)**



**Thresholds: White > 6.0**

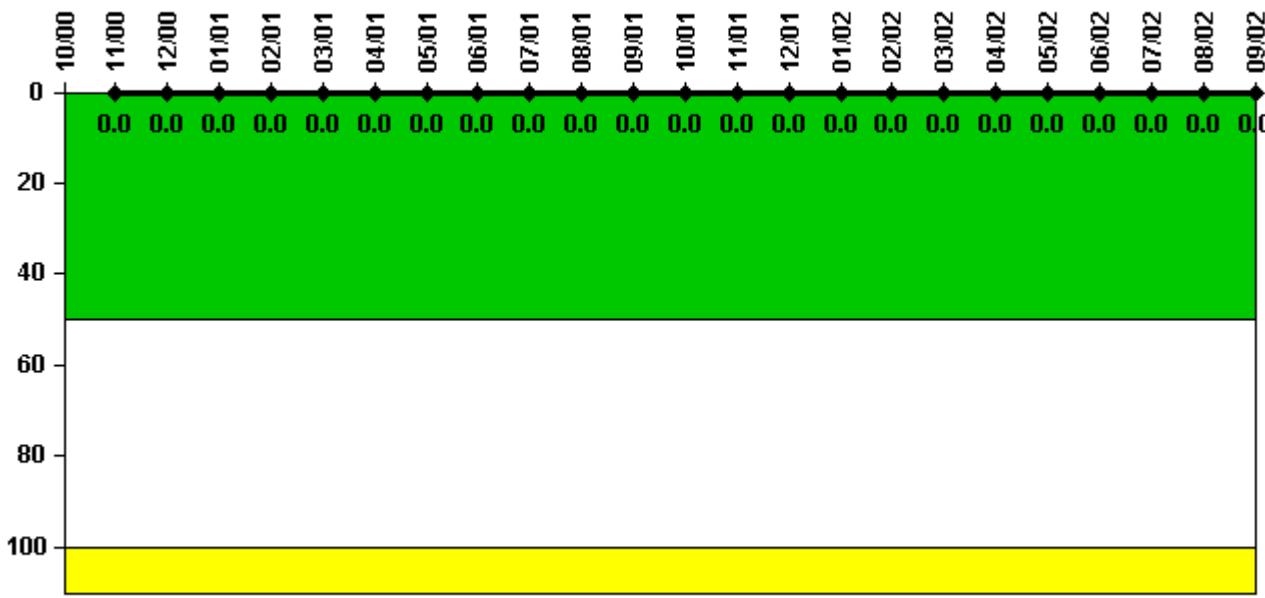
## Notes

Indicator value	3	2	3	1	1	1	0	0
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Licensee Comments: none

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### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	N/A	0.000020	0.000030	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010
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

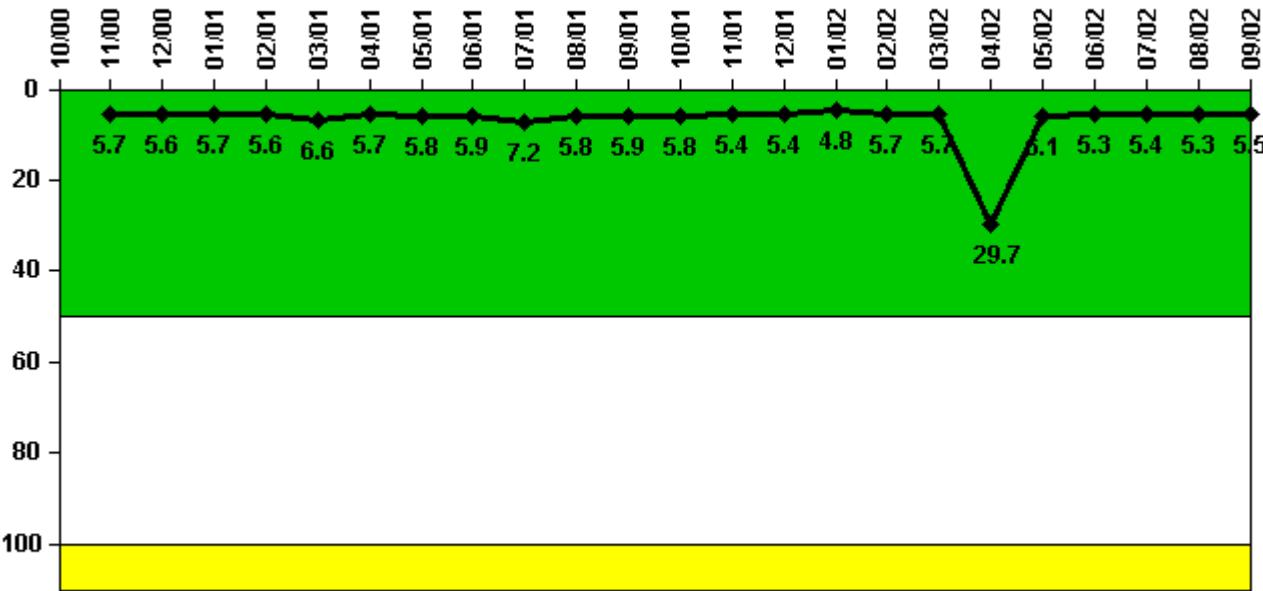
  

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

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### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

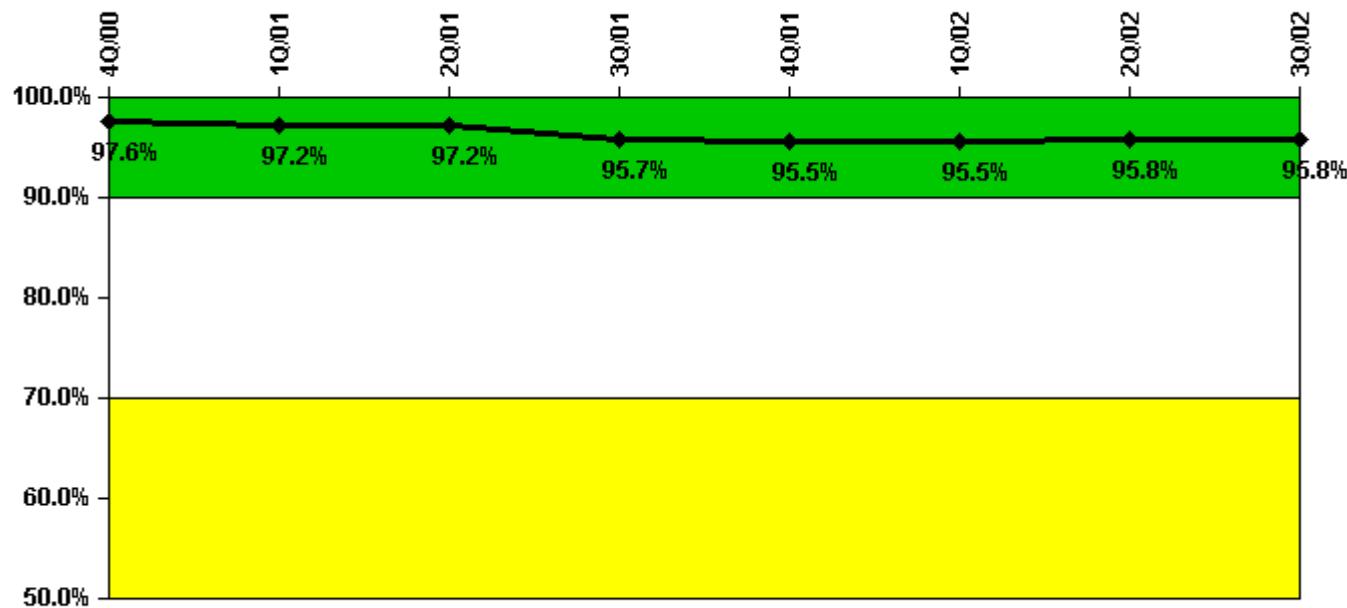
Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	N/A	1.700	1.680	1.700	1.690	1.990	1.720	1.740	1.770	2.160	1.750	1.760
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	5.7	5.6	5.7	5.6	6.6	5.7	5.8	5.9	7.2	5.8	5.9

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	1.730	1.630	1.630	1.440	1.720	1.720	8.910	1.820	1.580	1.620	1.590	1.640
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	5.8	5.4	5.4	4.8	5.7	5.7	29.7	6.1	5.3	5.4	5.3	5.5

Licensee Comments: none

### Drill/Exercise Performance



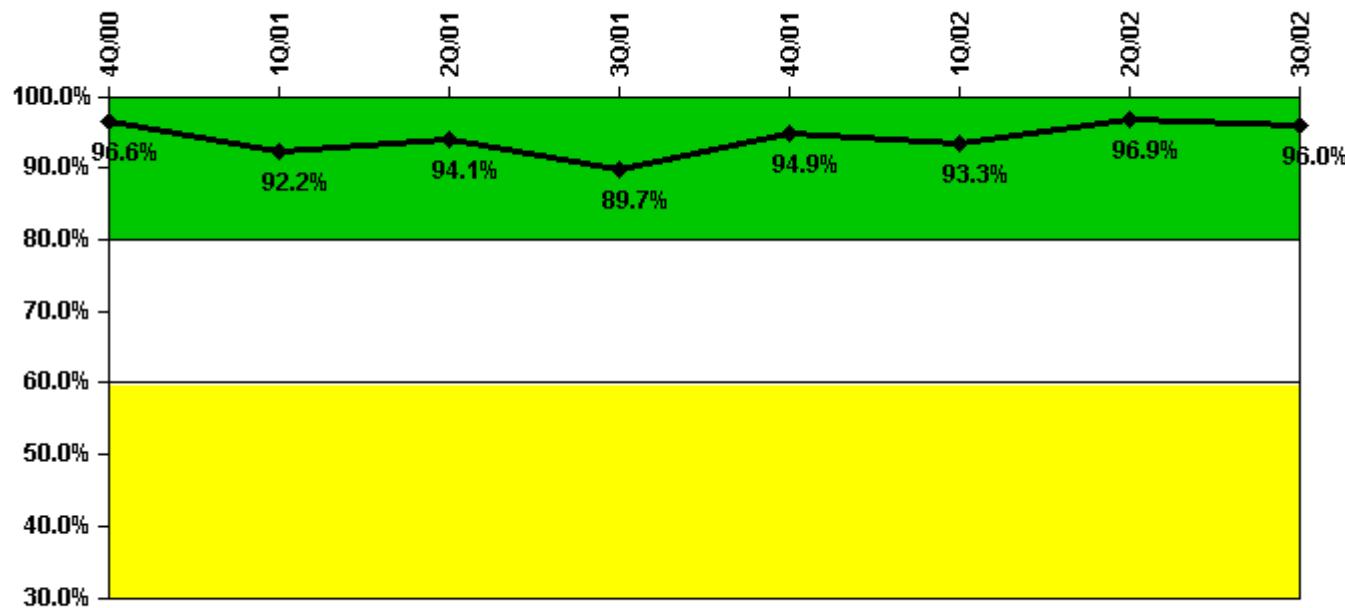
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	0	18.0	33.0	17.0	8.0	0	8.0	54.0
Total opportunities	0	19.0	34.0	19.0	8.0	0	8.0	56.0
Indicator value	97.6%	97.2%	97.2%	95.7%	95.5%	95.5%	95.8%	95.8%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	115.0	118.0	127.0	122.0	131.0	126.0	123.0	119.0
Total Key personnel	119.0	128.0	135.0	136.0	138.0	135.0	127.0	124.0
Indicator value	96.6%	92.2%	94.1%	89.7%	94.9%	93.3%	96.9%	96.0%

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**

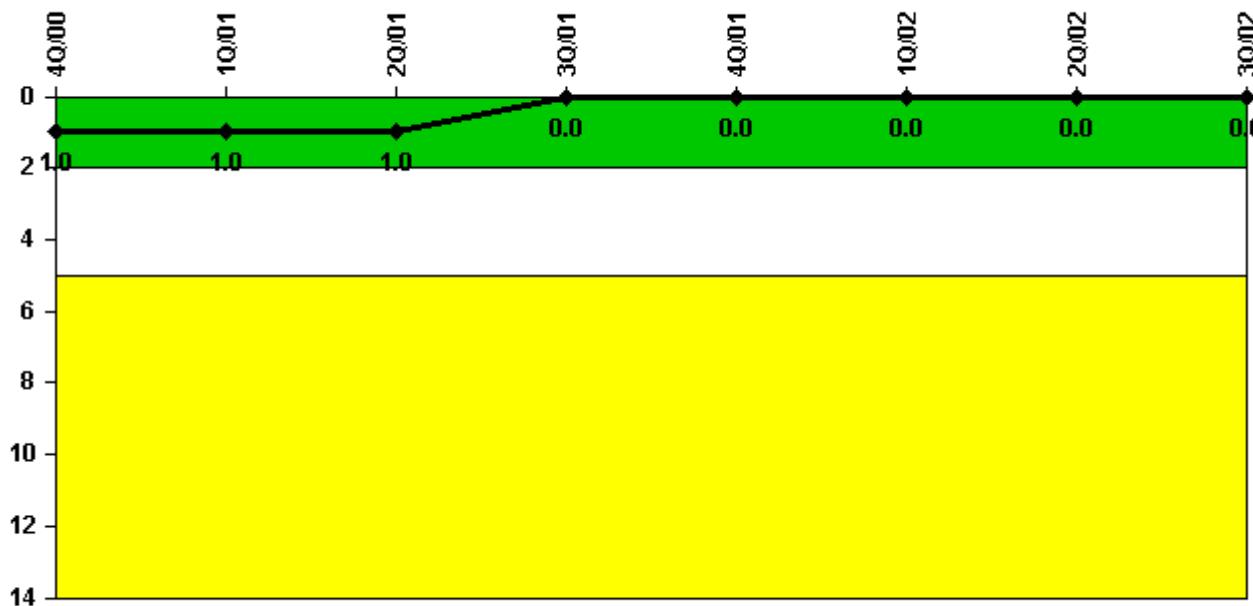
<b>Alert &amp; Notification System</b>	<b>4Q/00</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

3Q/02: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness

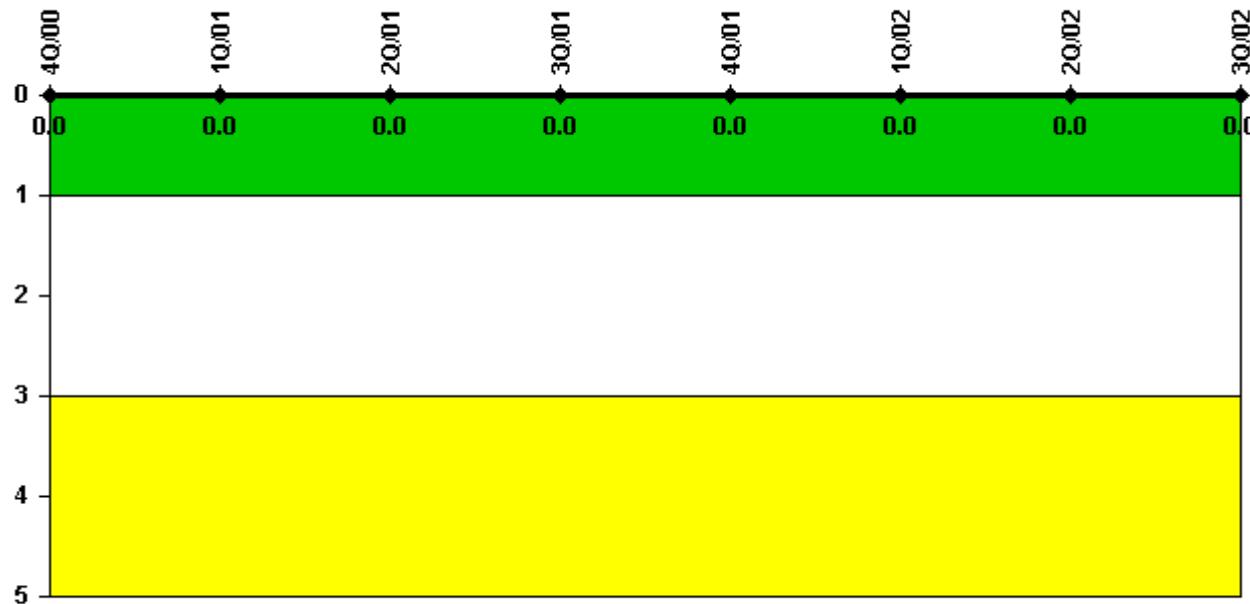


Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
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>1</b>	<b>1</b>	<b>1</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

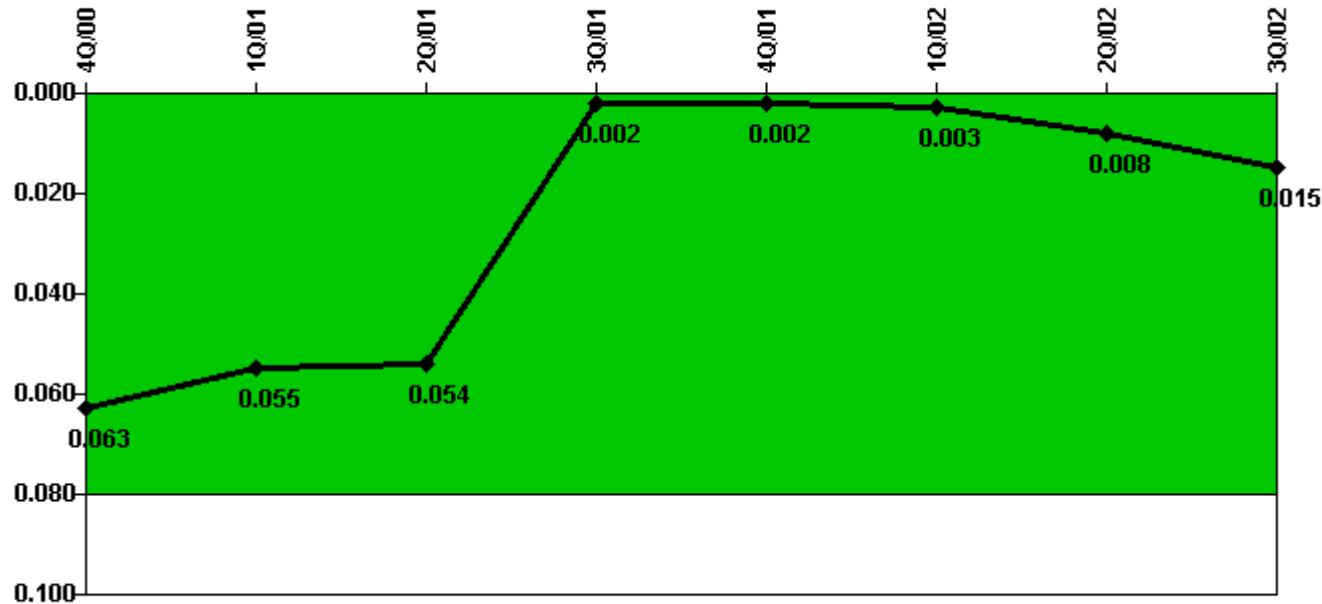
**Notes**

RETS/ODCM Radiological Effluent	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
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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## Protected Area Security Performance Index

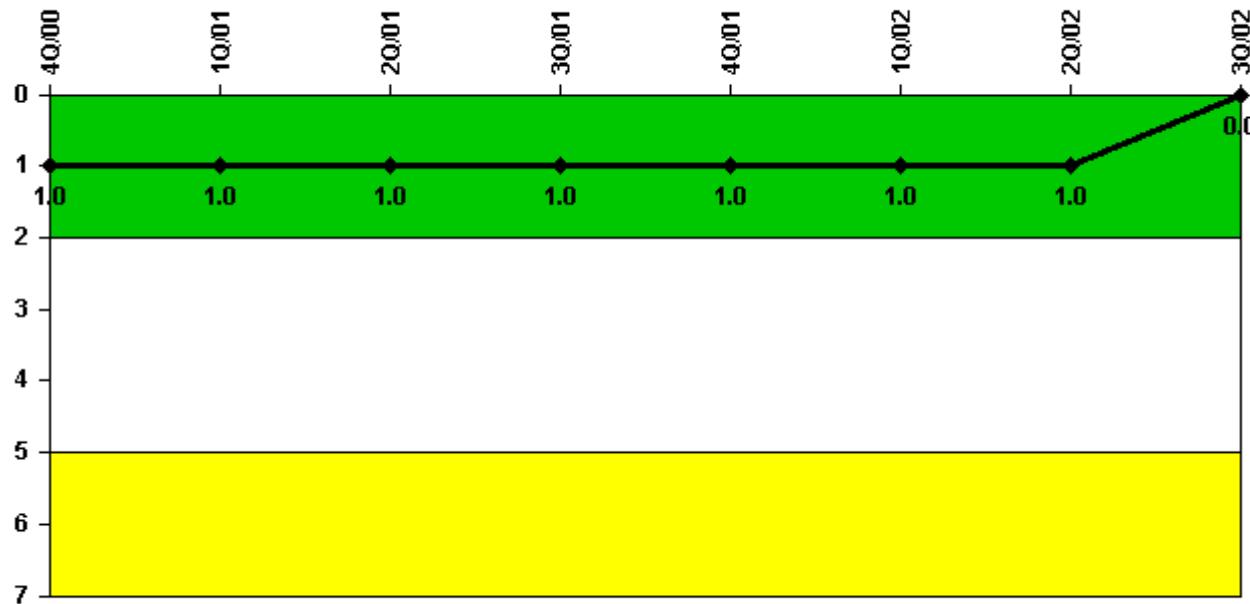


Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	19.62	0	0.47	0	20.50	20.75	14.06	142.38
CCTV compensatory hours	0	1.1	0	9.0	0	0	87.5	2.4
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.063</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>

Licensee Comments: none

**Personnel Screening Program**

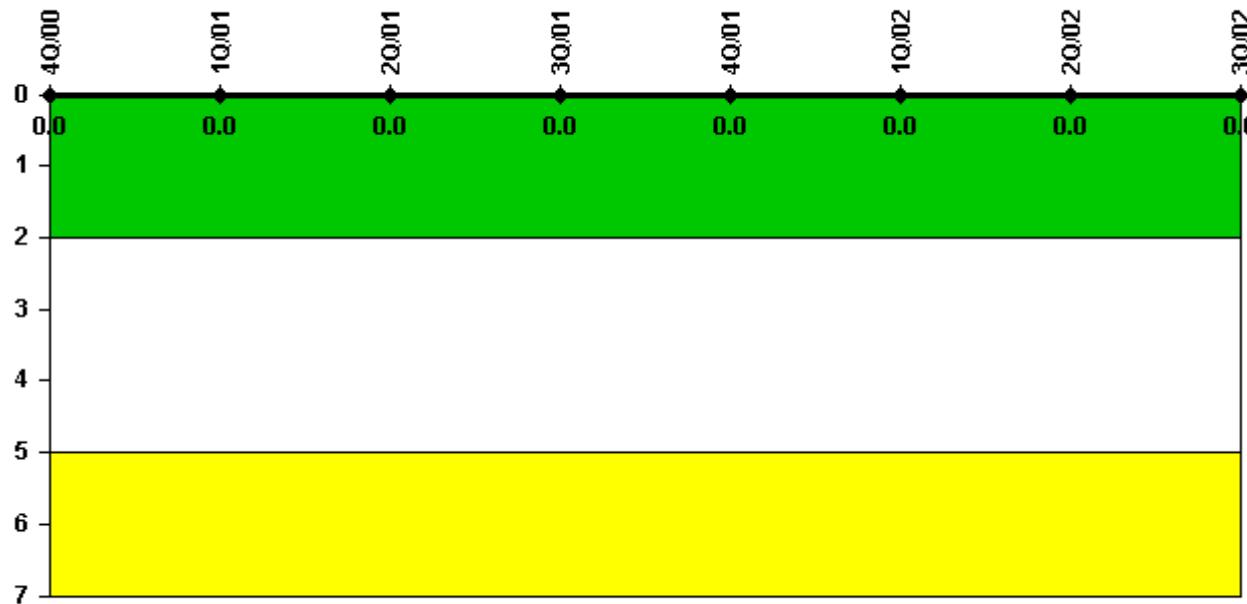
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Personnel Screening Program	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program failures	0	0	0	1	0	0	0	0
Indicator value	<b>1</b>	<b>0</b>						

Licensee Comments: none

---

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

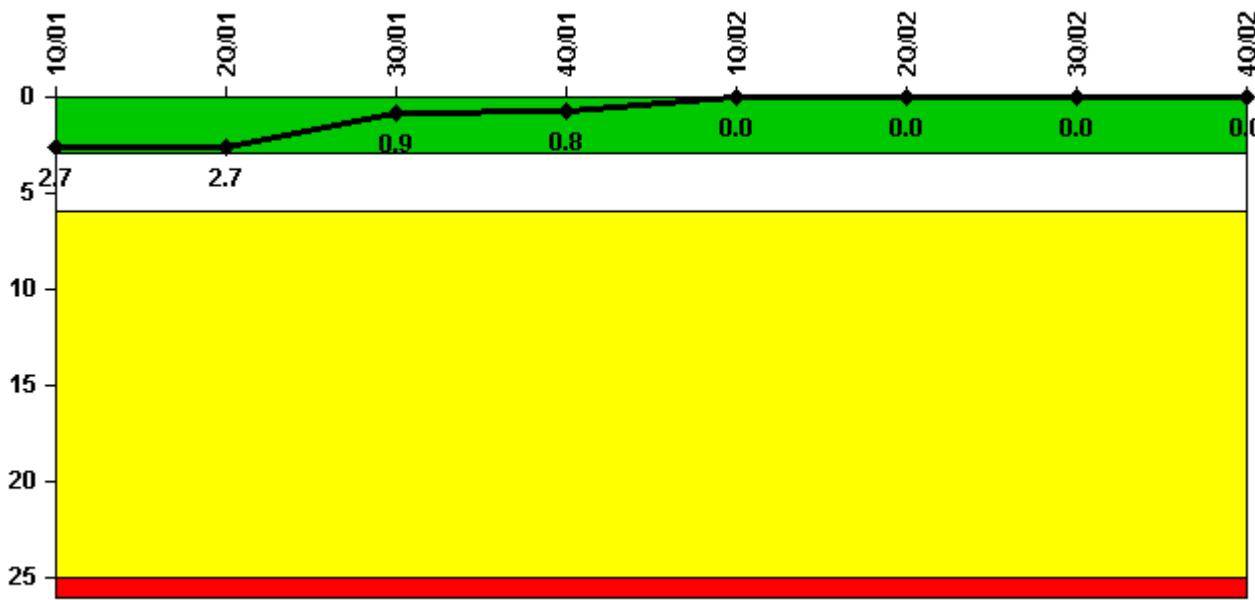


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 22, 2002

**Hatch 1****4Q/2002 Performance Indicators**

Licensee's General Comments: none

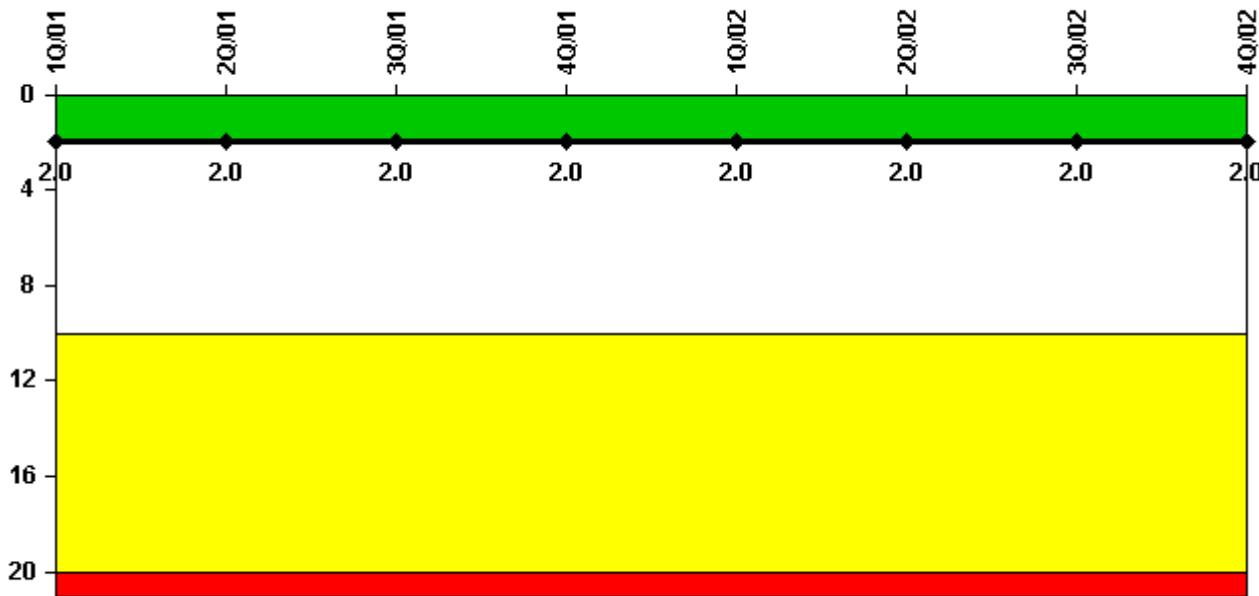
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1
Indicator value	2.7	2.7	0.9	0.8	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

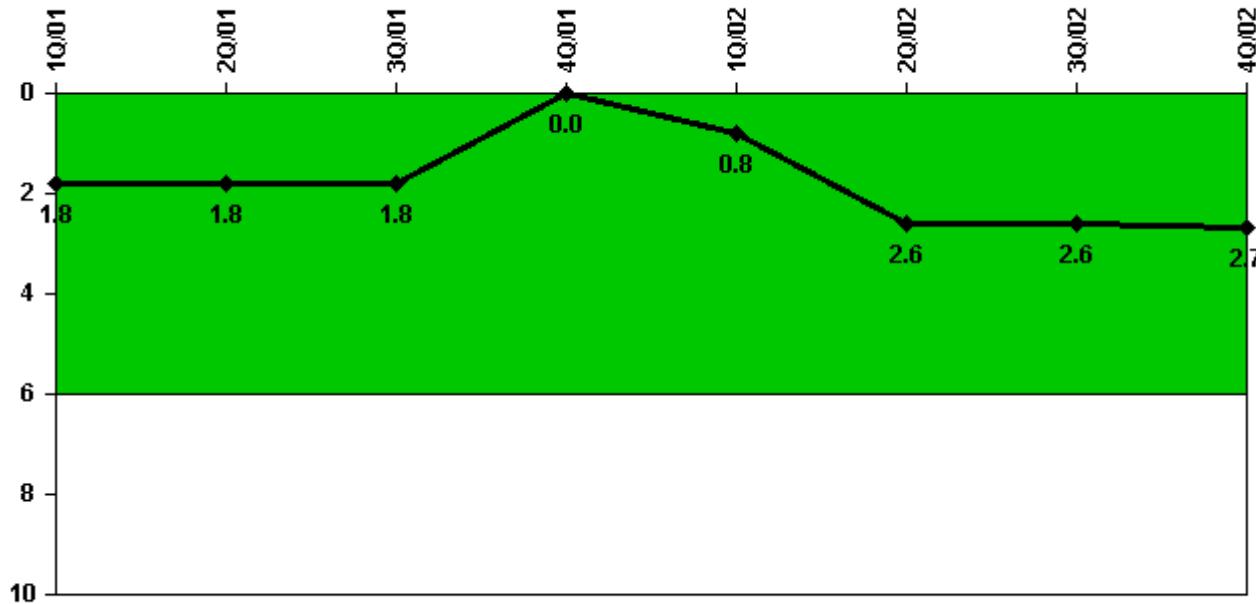
**Notes**

Scrams with Loss of Normal Heat Removal	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

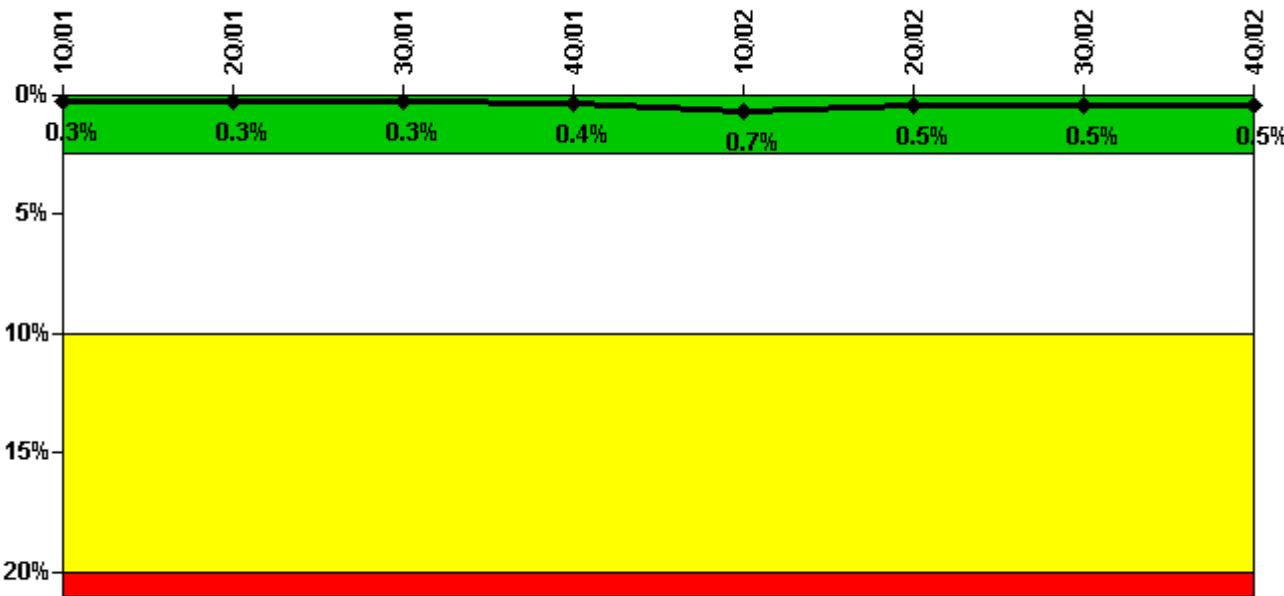
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	1.0	2.0	0	0
Critical hours	2109.1	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1
Indicator value	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>0</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.7</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



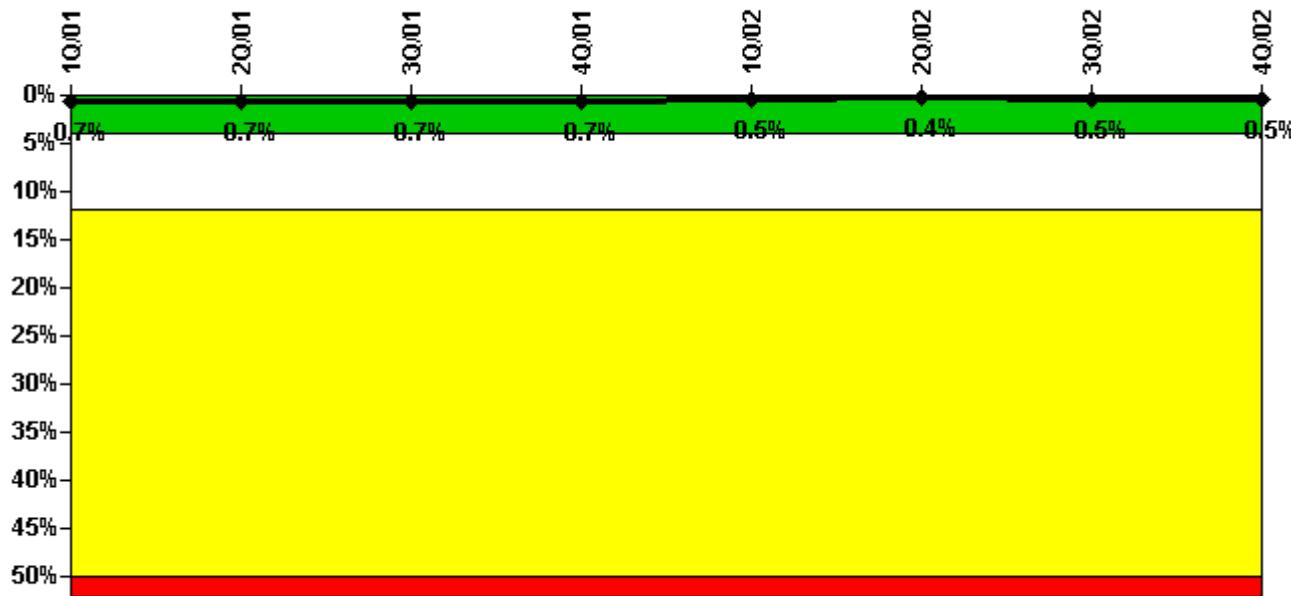
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	2.00	0.05	0	0	0.08	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	0.32	0	0	0.08	0	0	0
Unplanned unavailable hours	8.18	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	2.05	1.97	4.00	8.27	172.83	0	0	0
Unplanned unavailable hours	0	0	0	138.42	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



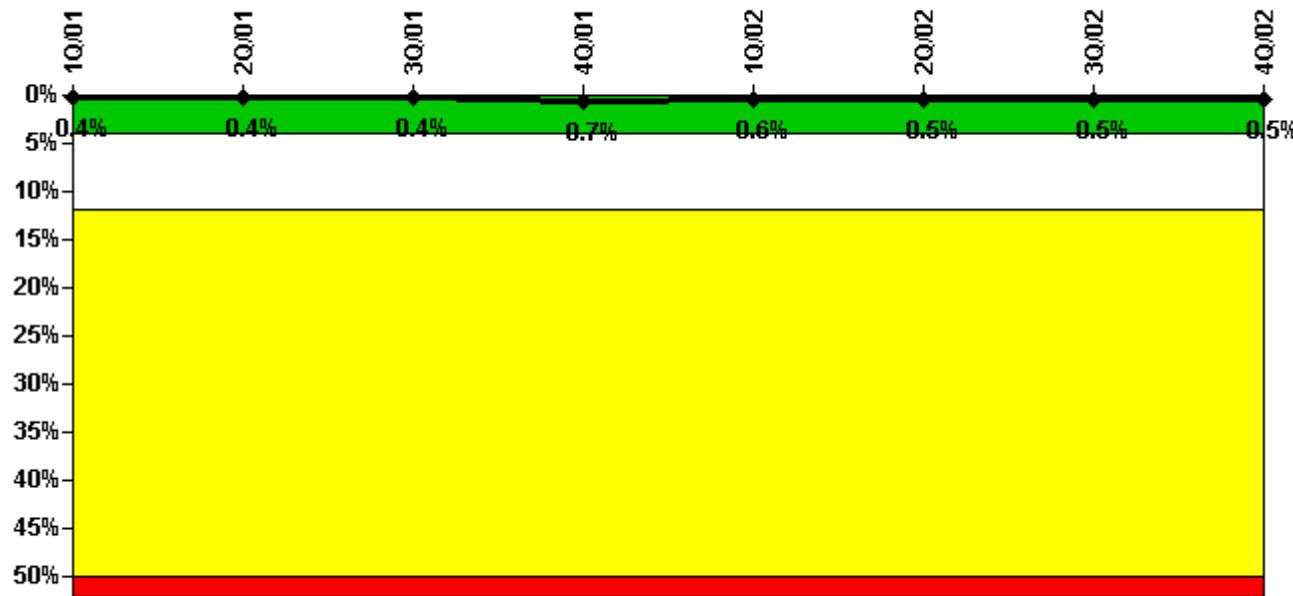
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	0	0	4.58	0	0	0	0	5.03
Unplanned unavailable hours	0.53	0	0	0	0	0	17.08	0
Fault exposure hours	0	0	0	0	0	0	11.58	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



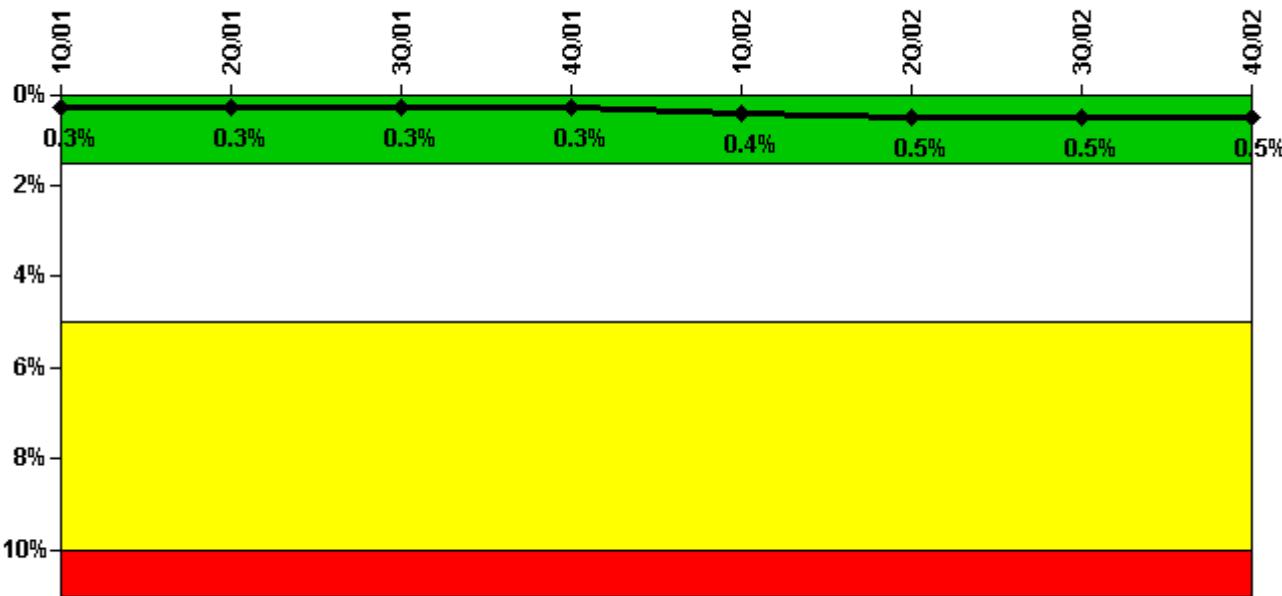
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	0.83	0.42	1.67	46.52	7.67	5.75	0.42	0.55
Unplanned unavailable hours	0	0	0	26.15	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2109.12	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

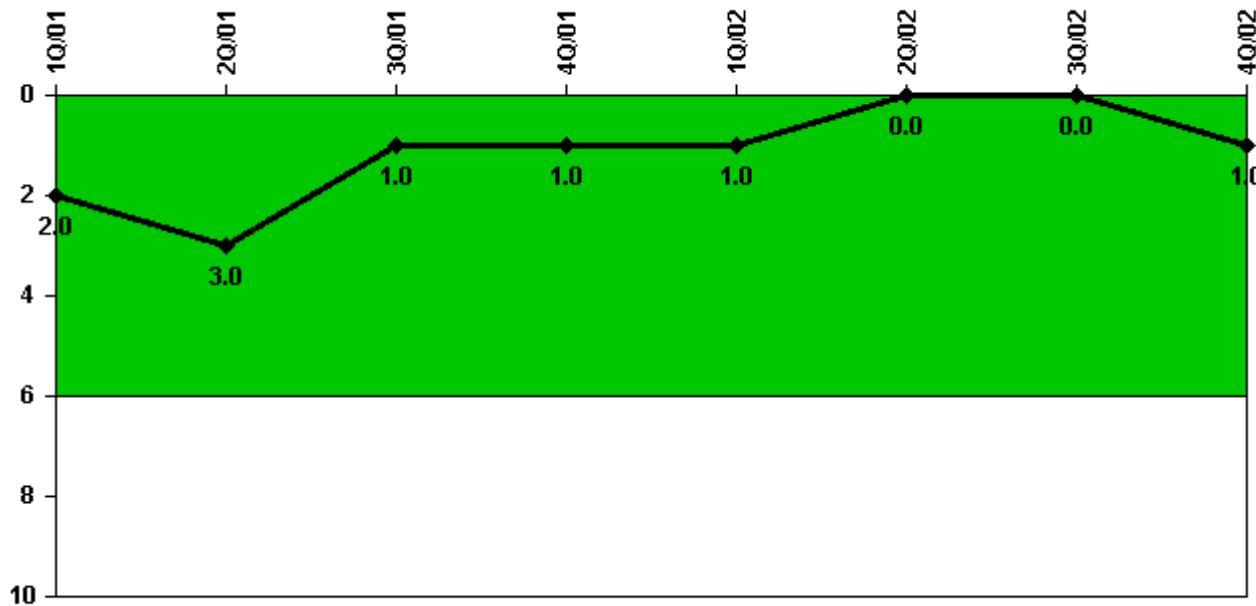


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	31.38	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0.83	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	0	18.28	67.93	0	4.97
Unplanned unavailable hours	0	0	0	0	0	0.83	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

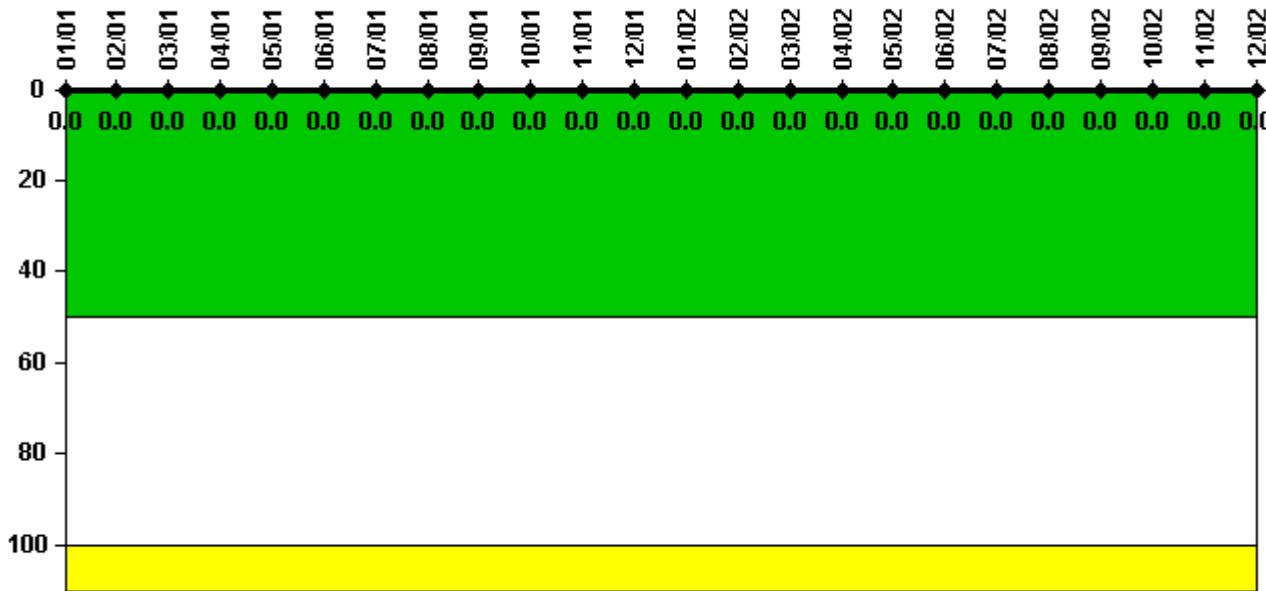
**Notes**

Safety System Functional Failures (BWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	2	3	1	1	1	0	0	1

Licensee Comments: none

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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

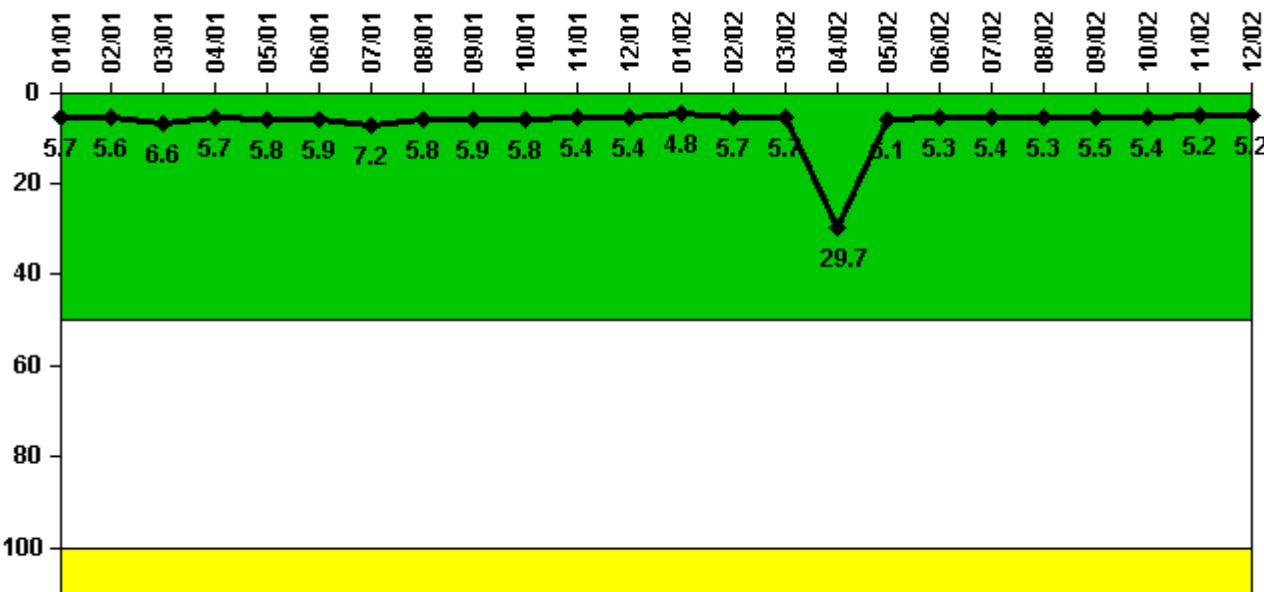
Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000030	0.000030	0.000030	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

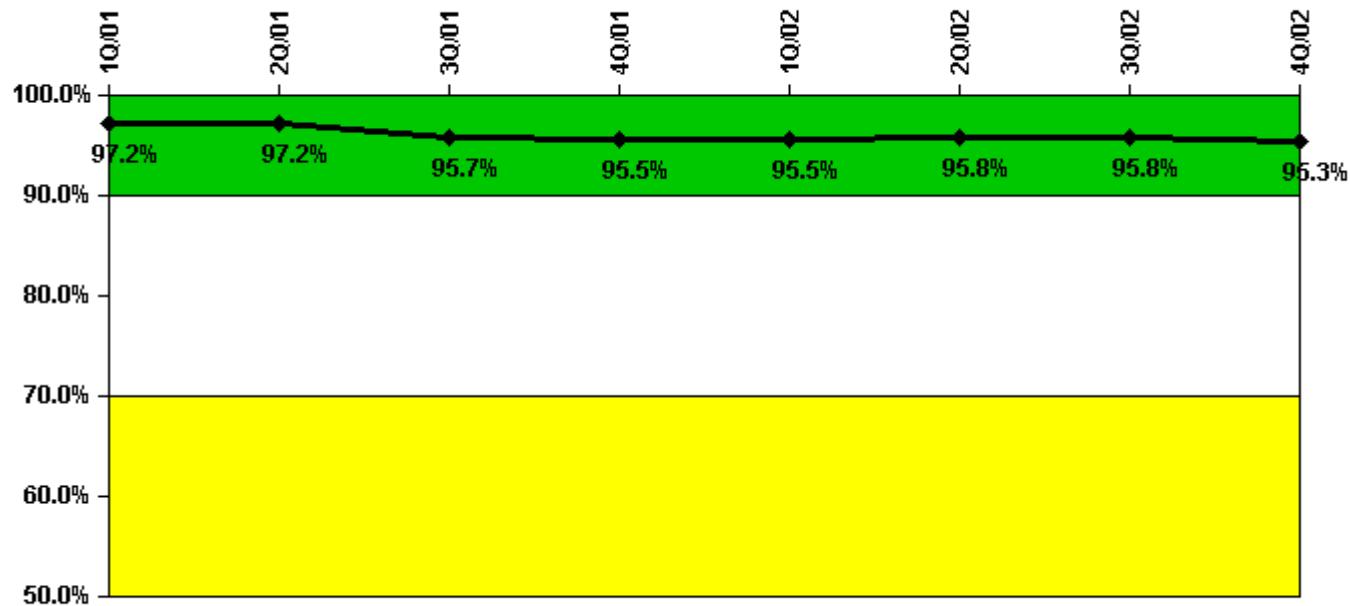
### Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	1.700	1.690	1.990	1.720	1.740	1.770	2.160	1.750	1.760	1.730	1.630	1.630
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	5.6	6.6	5.7	5.8	5.9	7.2	5.8	5.9	5.8	5.4	5.4

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	1.440	1.720	1.720	8.910	1.820	1.580	1.620	1.590	1.640	1.610	1.560	1.560
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	4.8	5.7	5.7	29.7	6.1	5.3	5.4	5.3	5.5	5.4	5.2	5.2

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

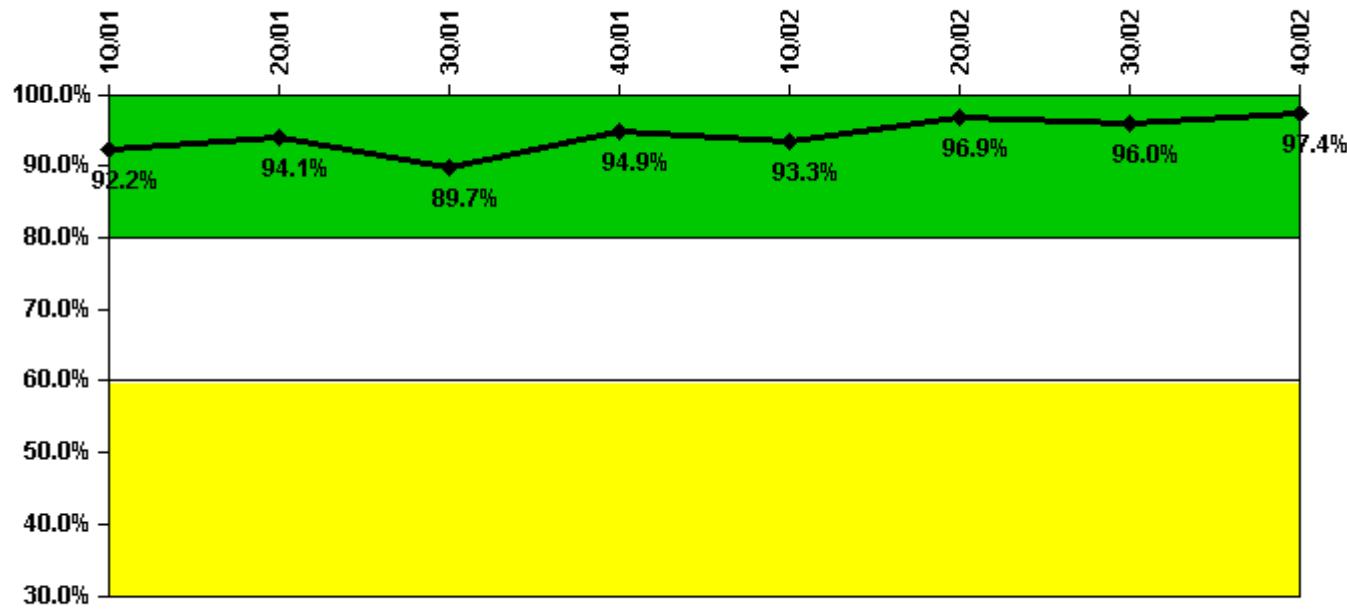
**Notes**

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	18.0	33.0	17.0	8.0	0	8.0	54.0	5.0
Total opportunities	19.0	34.0	19.0	8.0	0	8.0	56.0	6.0
Indicator value	97.2%	97.2%	95.7%	95.5%	95.5%	95.8%	95.8%	95.3%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	118.0	127.0	122.0	131.0	126.0	123.0	119.0	114.0
Total Key personnel	128.0	135.0	136.0	138.0	135.0	127.0	124.0	117.0
Indicator value	92.2%	94.1%	89.7%	94.9%	93.3%	96.9%	96.0%	97.4%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

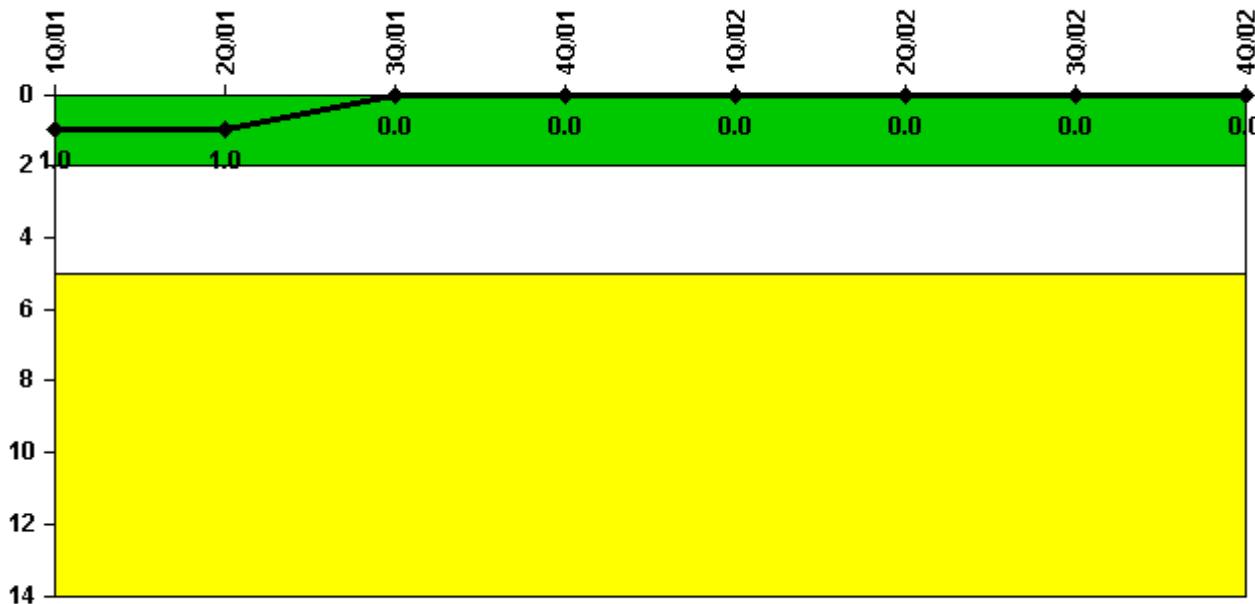
**Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/01</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

4Q/02: Plant Hatch does not use sirens as an emergency notification system.

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**Occupational Exposure Control Effectiveness**

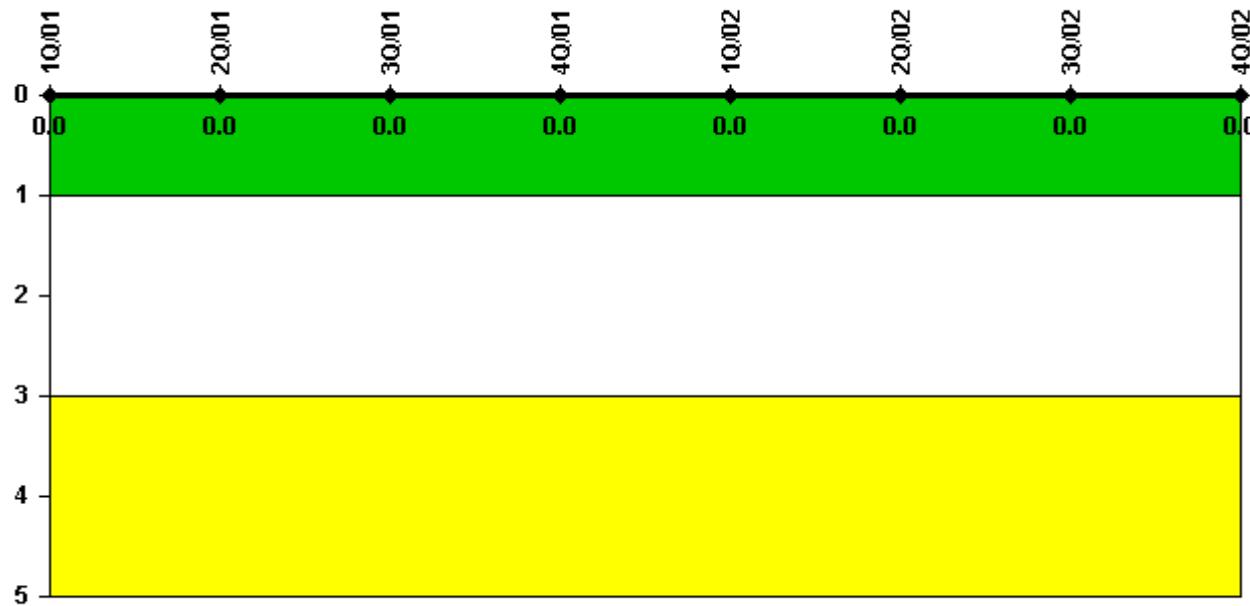
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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
Indicator value	1	1	0	0	0	0	0	0

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

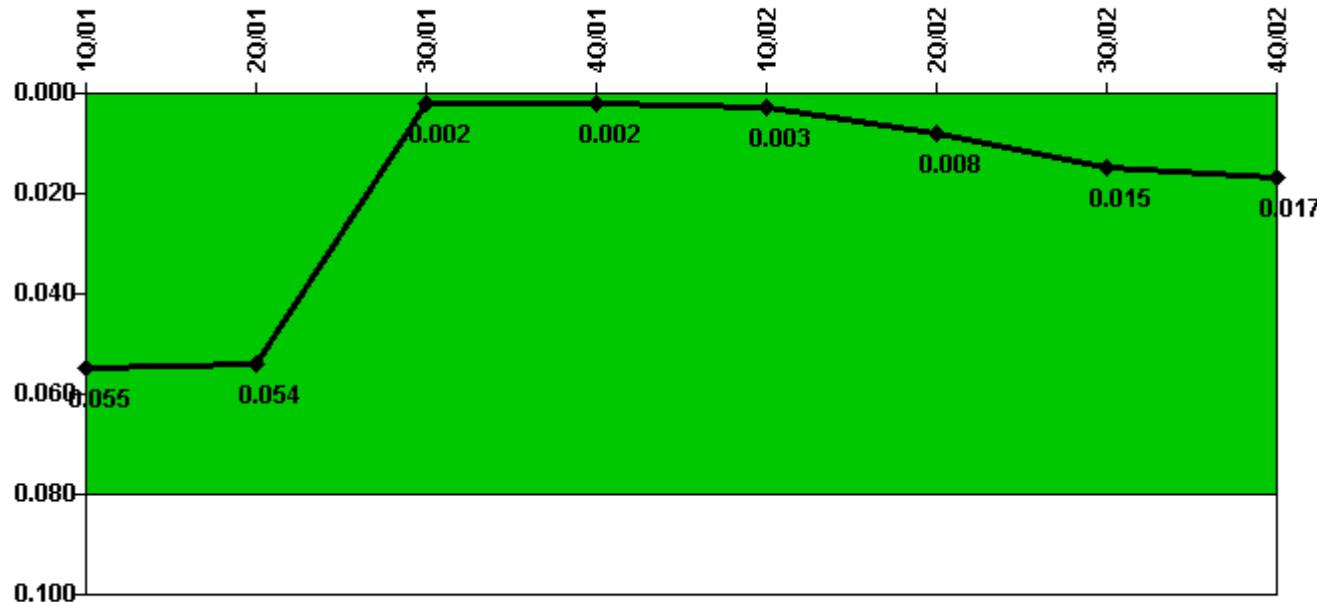
**Notes**

RETS/ODCM Radiological Effluent	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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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## Protected Area Security Performance Index



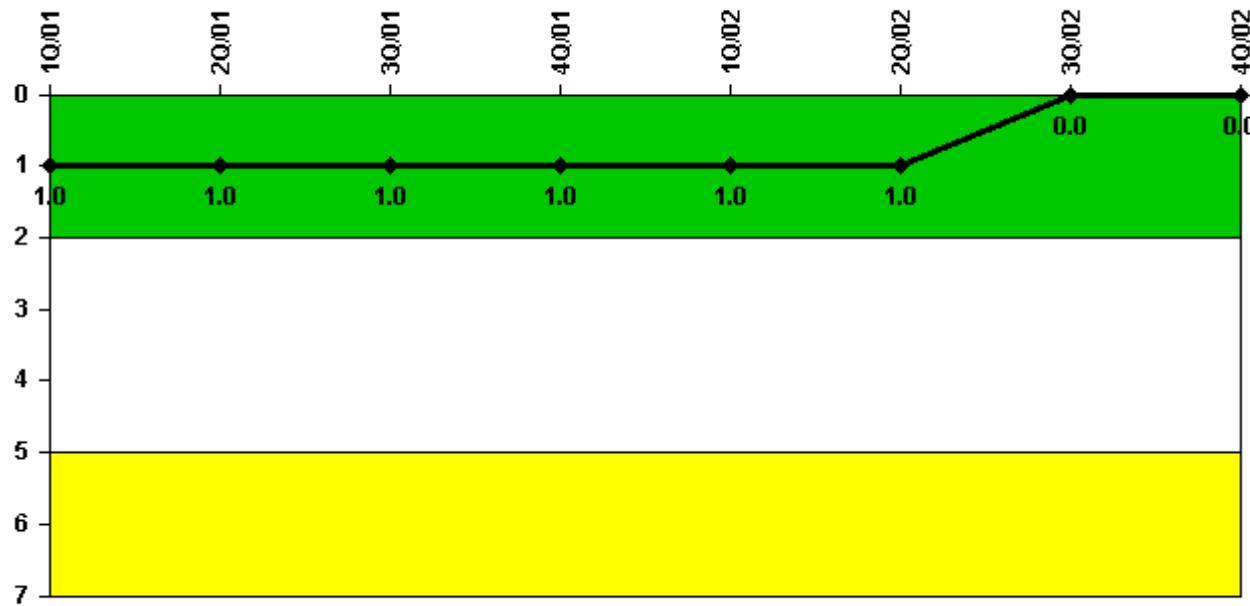
Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	0	0.47	0	20.50	20.75	14.06	142.38	48.00
CCTV compensatory hours	1.1	0	9.0	0	0	87.5	2.4	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.055</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>

Licensee Comments: none

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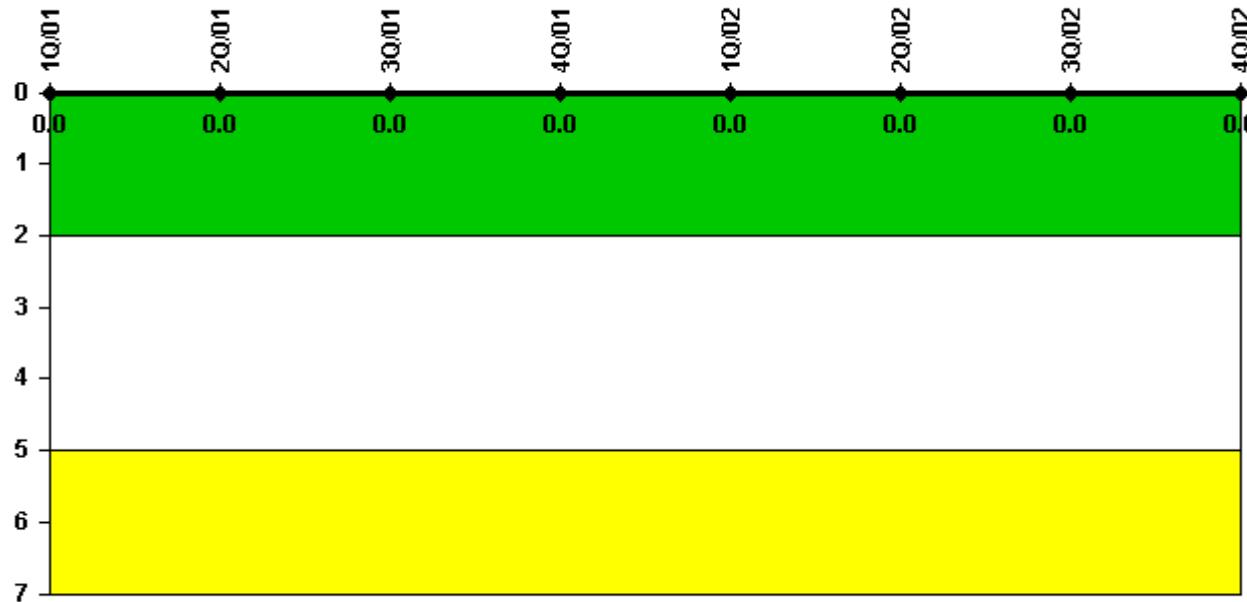
**Personnel Screening Program**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Personnel Screening Program	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program failures	0	0	1	0	0	0	0	0
Indicator value	1	1	1	1	1	1	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

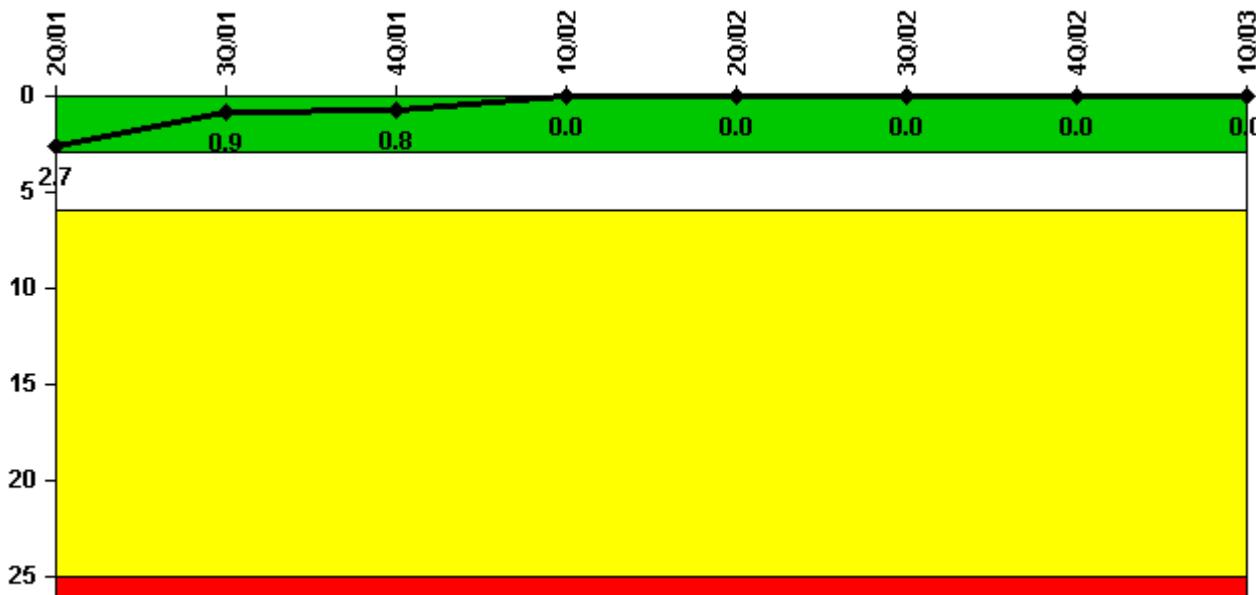
Last Modified: January 30, 2003

# Hatch 1

## 1Q/2003 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs

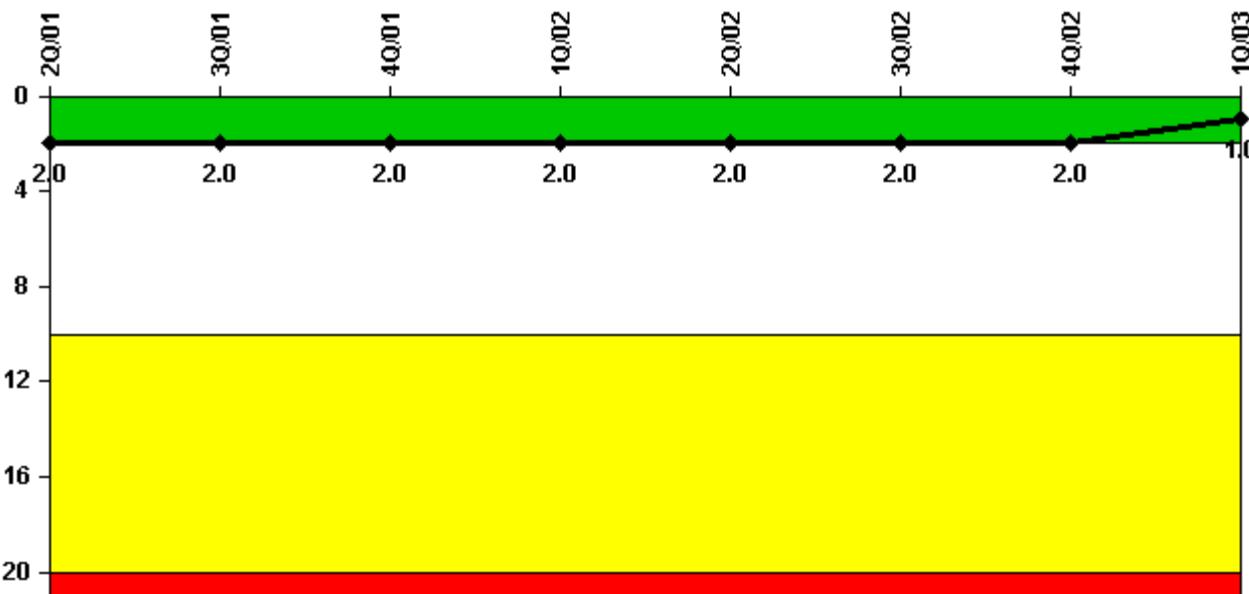


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0
Indicator value	2.7	0.9	0.8	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

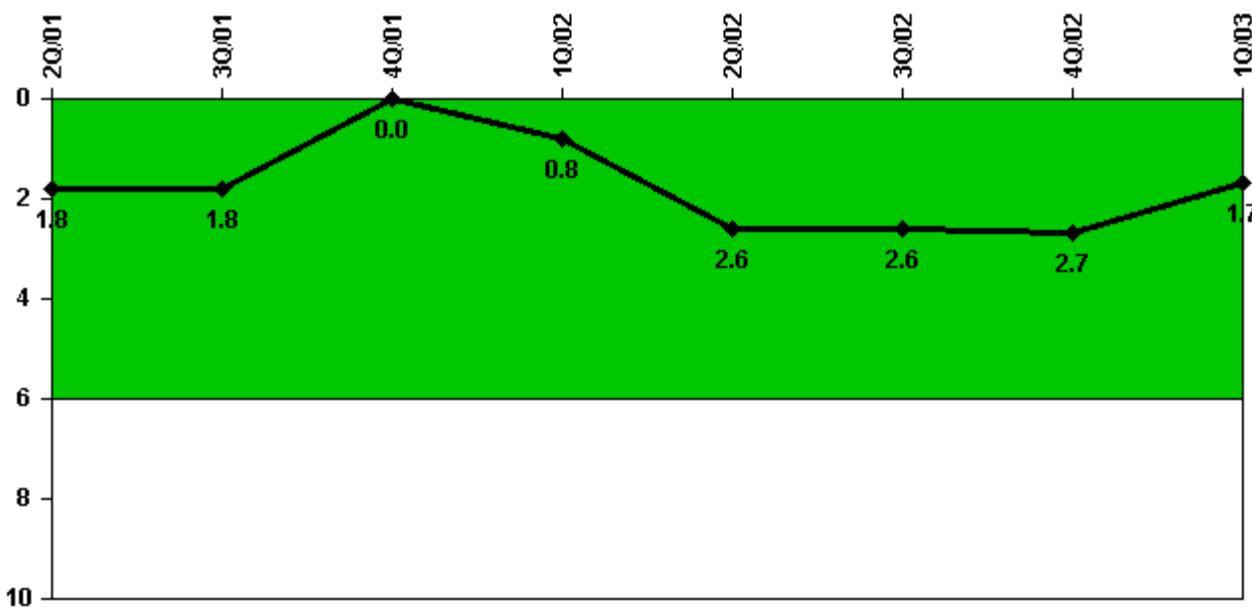
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



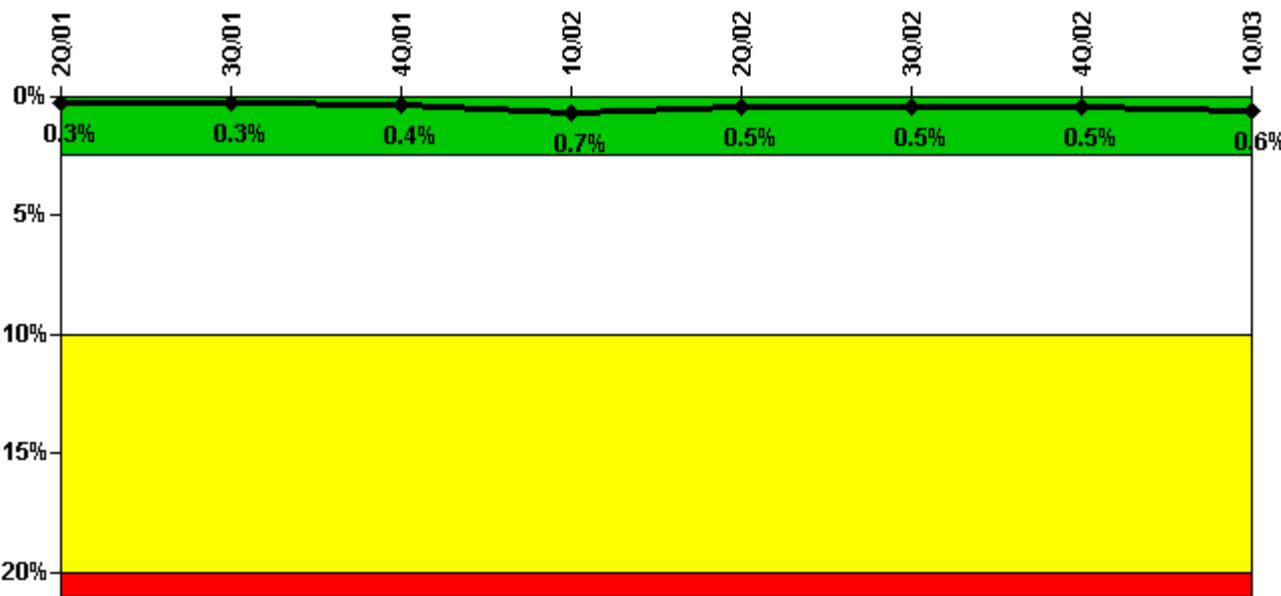
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	1.0	2.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0
Indicator value	1.8	1.8	0	0.8	2.6	2.6	2.7	1.7

Licensee Comments: none

## **Safety System Unavailability, Emergency AC Power, >2EDG**



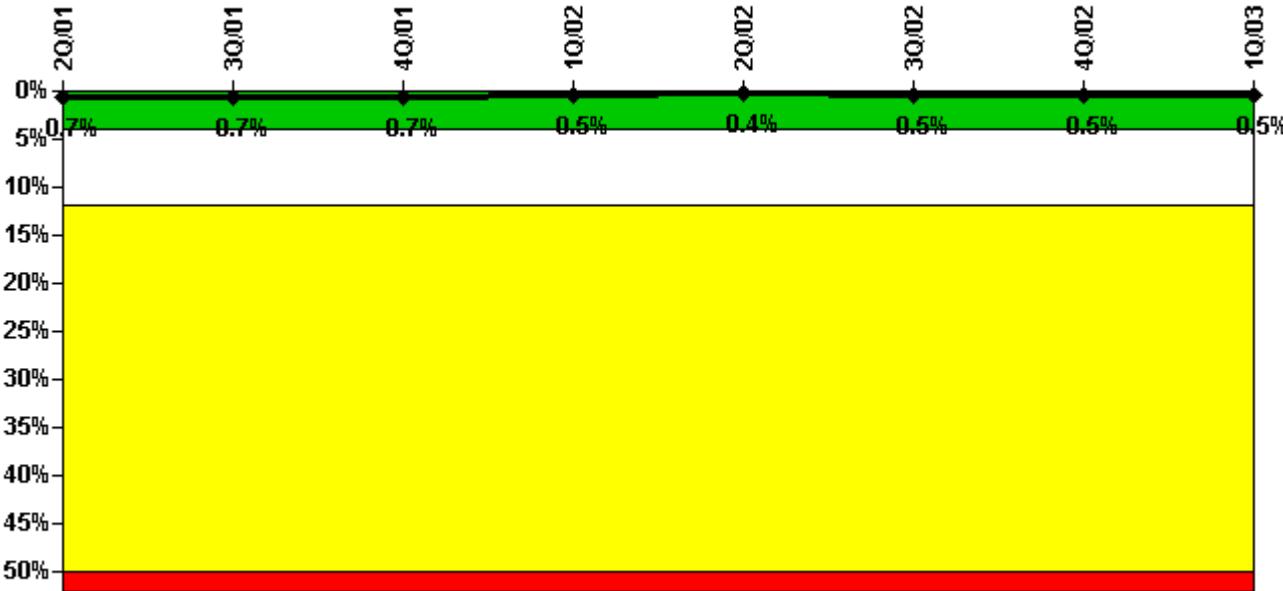
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0.05	0	0	0.08	0	0	0	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	44.47
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0.32	0	0	0.08	0	0	0	0.43
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	1.97	4.00	8.27	172.83	0	0	0	6.43
Unplanned unavailable hours	0	0	138.42	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



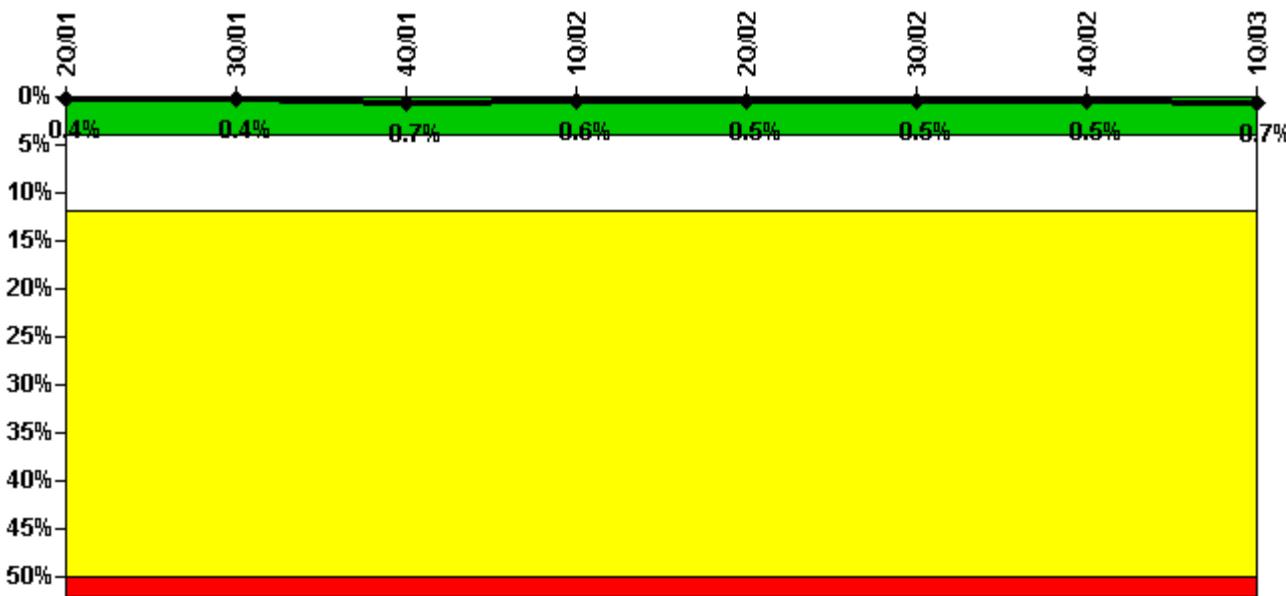
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0	4.58	0	0	0	0	5.03	0
Unplanned unavailable hours	0	0	0	0	0	17.08	0	0
Fault exposure hours	0	0	0	0	0	11.58	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



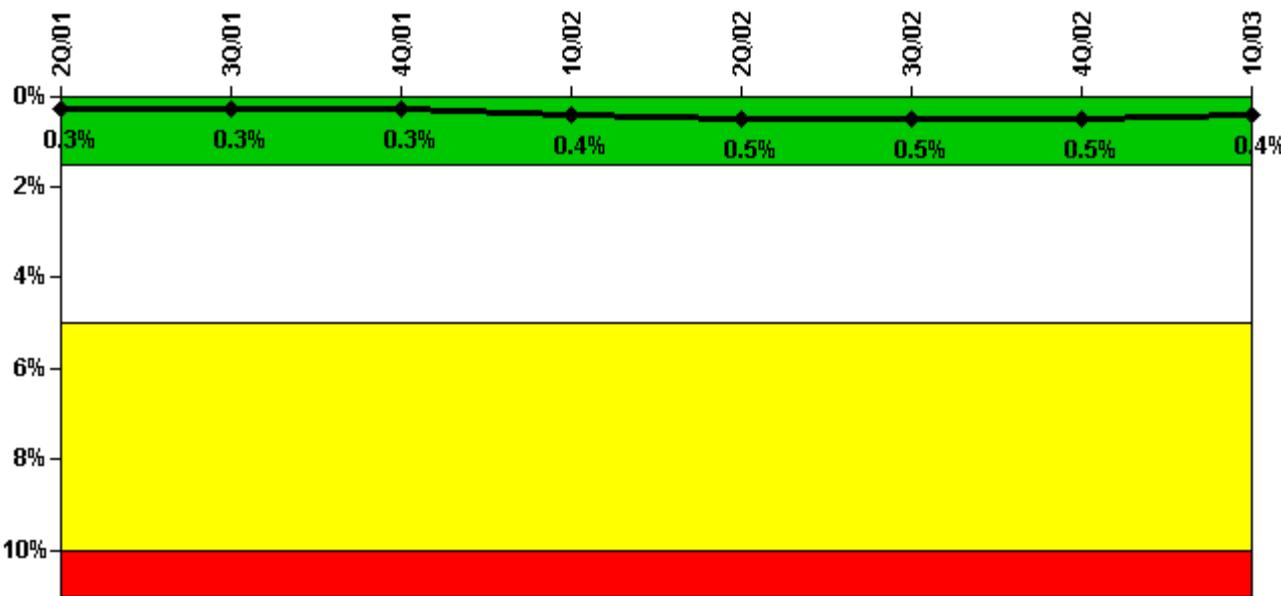
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0.42	1.67	46.52	7.67	5.75	0.42	0.55	0.42
Unplanned unavailable hours	0	0	26.15	0	0	0	0	57.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>

Licensee Comments: none

## **Safety System Unavailability, Residual Heat Removal System**

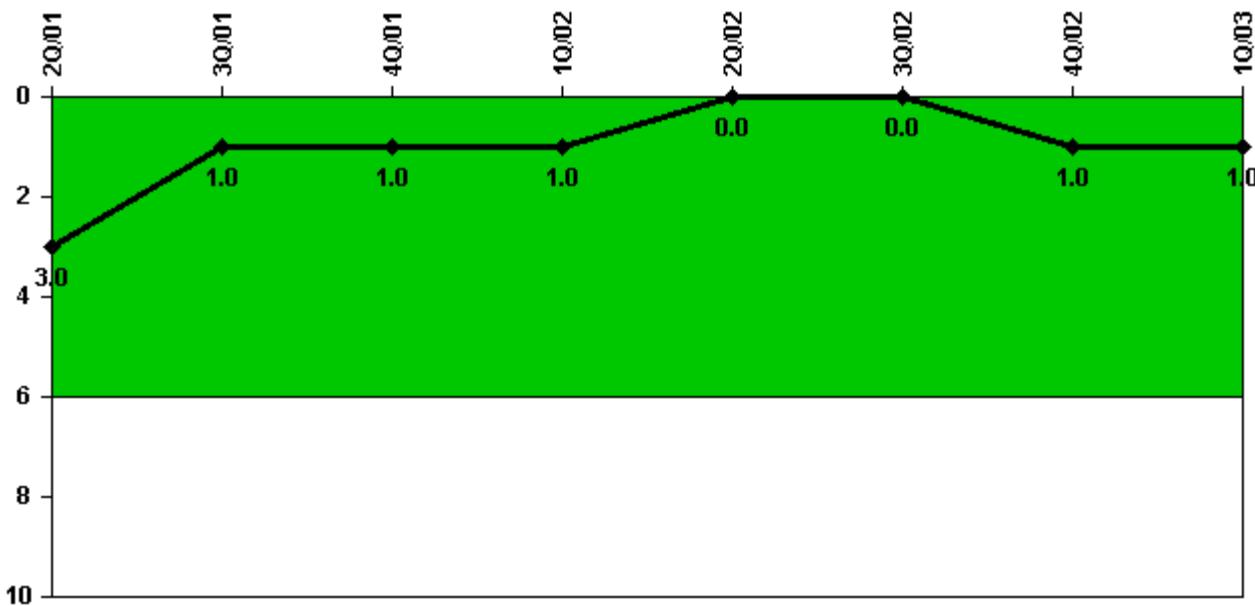


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	0	31.38	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0.83	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	18.28	67.93	0	4.97	0
Unplanned unavailable hours	0	0	0	0	0.83	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

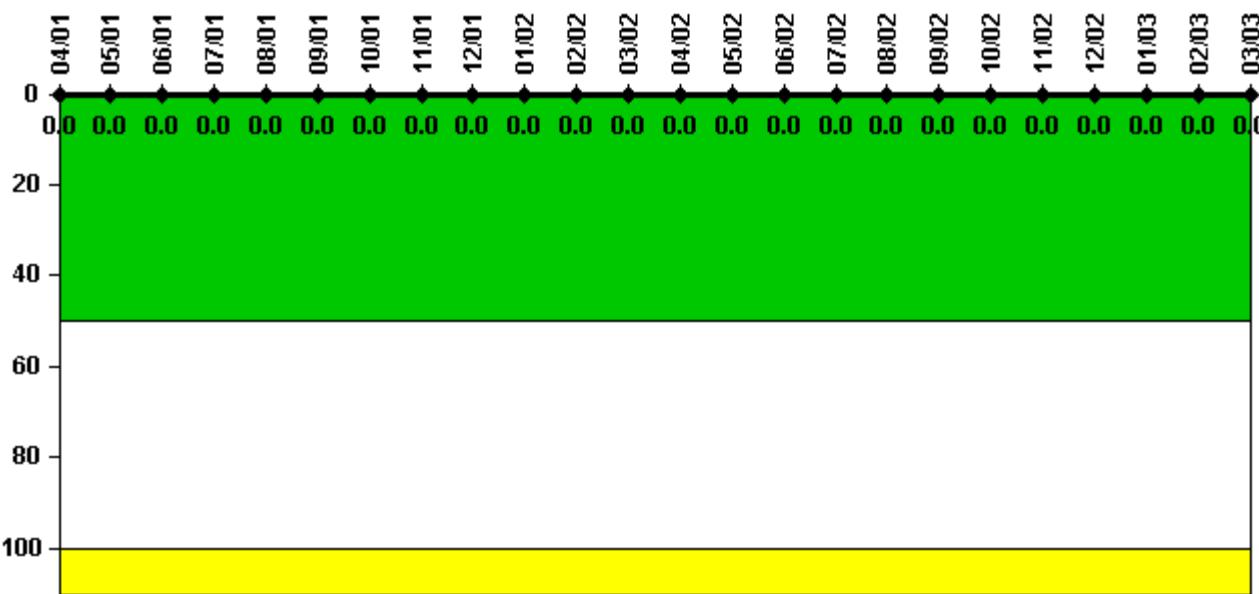
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Safety System Functional Failures	1	0	0	0	0	0	1	0
Indicator value	3	1	1	1	0	0	1	1

Licensee Comments: none

## Reactor Coolant System Activity



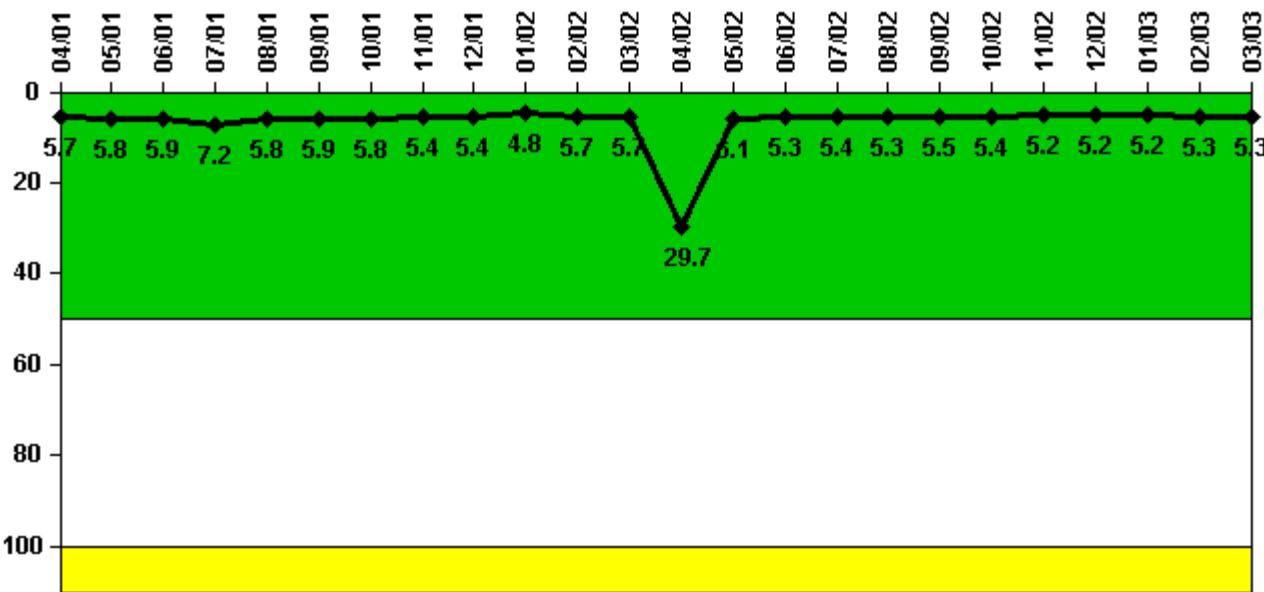
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000010	0.000009	0.000030	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

### Reactor Coolant System Leakage

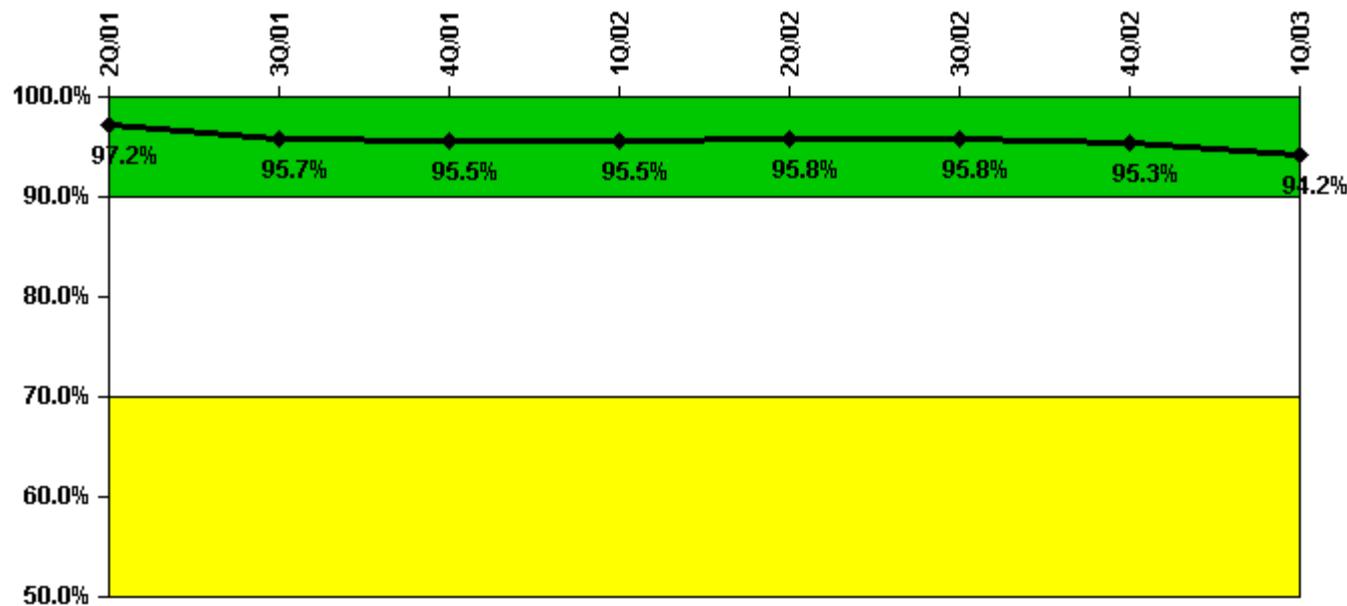


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	1.720	1.740	1.770	2.160	1.750	1.760	1.730	1.630	1.630	1.440	1.720	1.720
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	7.2	5.8	5.9	5.8	5.4	5.4	4.8	5.7	5.7
Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	8.910	1.820	1.580	1.620	1.590	1.640	1.610	1.560	1.560	1.570	1.580	1.580
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	29.7	6.1	5.3	5.4	5.3	5.5	5.4	5.2	5.2	5.2	5.3	5.3

Licensee Comments: none

**Drill/Exercise Performance**

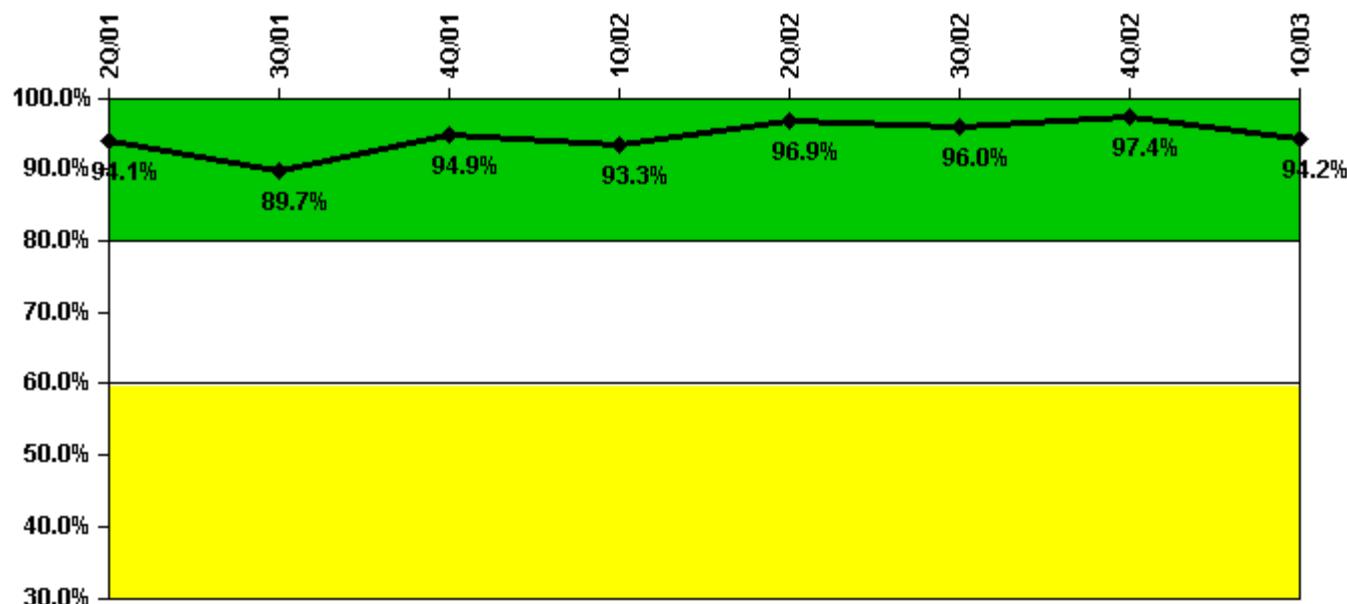
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	33.0	17.0	8.0	0	8.0	54.0	5.0	6.0
Total opportunities	34.0	19.0	8.0	0	8.0	56.0	6.0	8.0
Indicator value	97.2%	95.7%	95.5%	95.5%	95.8%	95.8%	95.3%	94.2%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	127.0	122.0	131.0	126.0	123.0	119.0	114.0	113.0
Total Key personnel	135.0	136.0	138.0	135.0	127.0	124.0	117.0	120.0
Indicator value	94.1%	89.7%	94.9%	93.3%	96.9%	96.0%	97.4%	94.2%

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

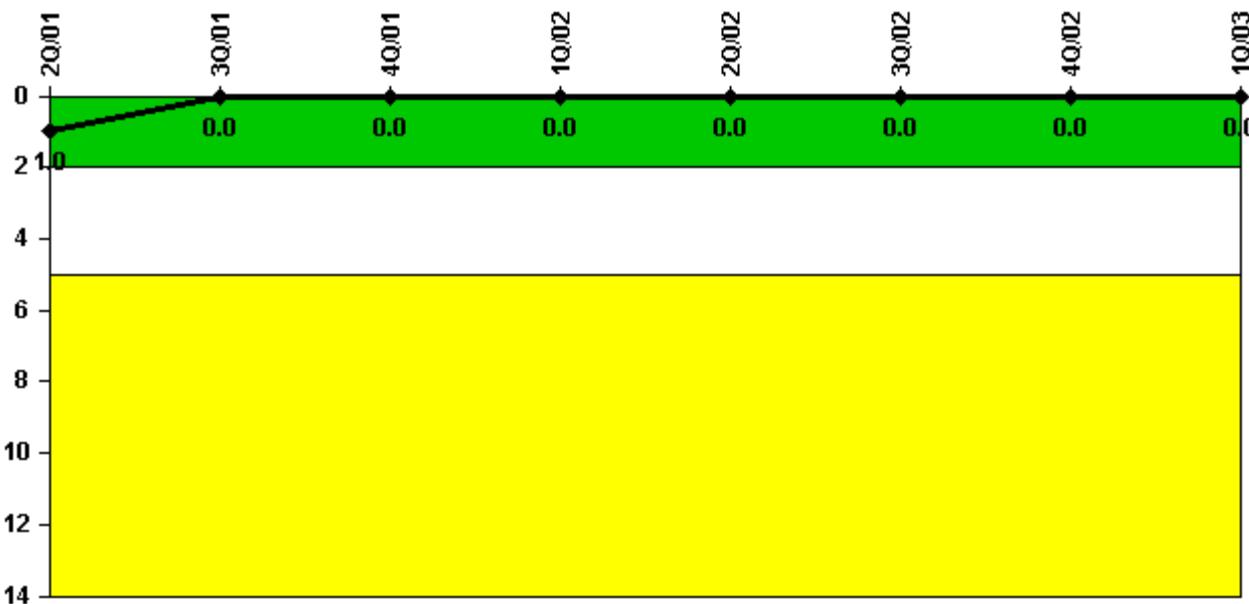
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/01</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

1Q/03: Plant Hatch does not use sirens as an emergency notification system.

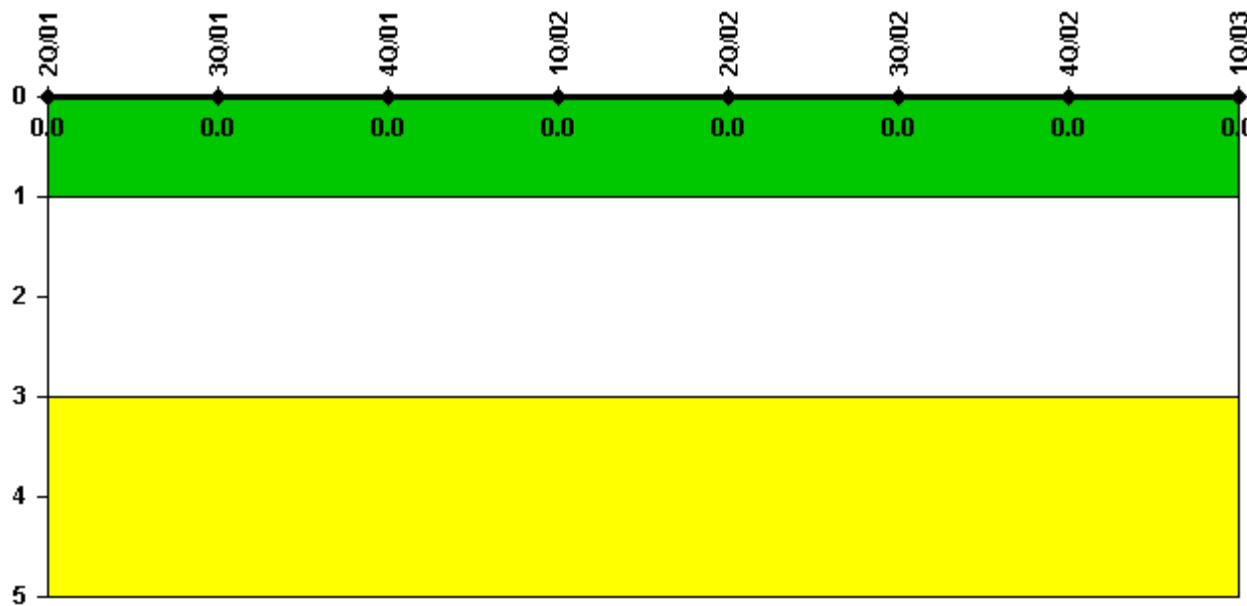
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
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>1</b>	<b>0</b>						

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

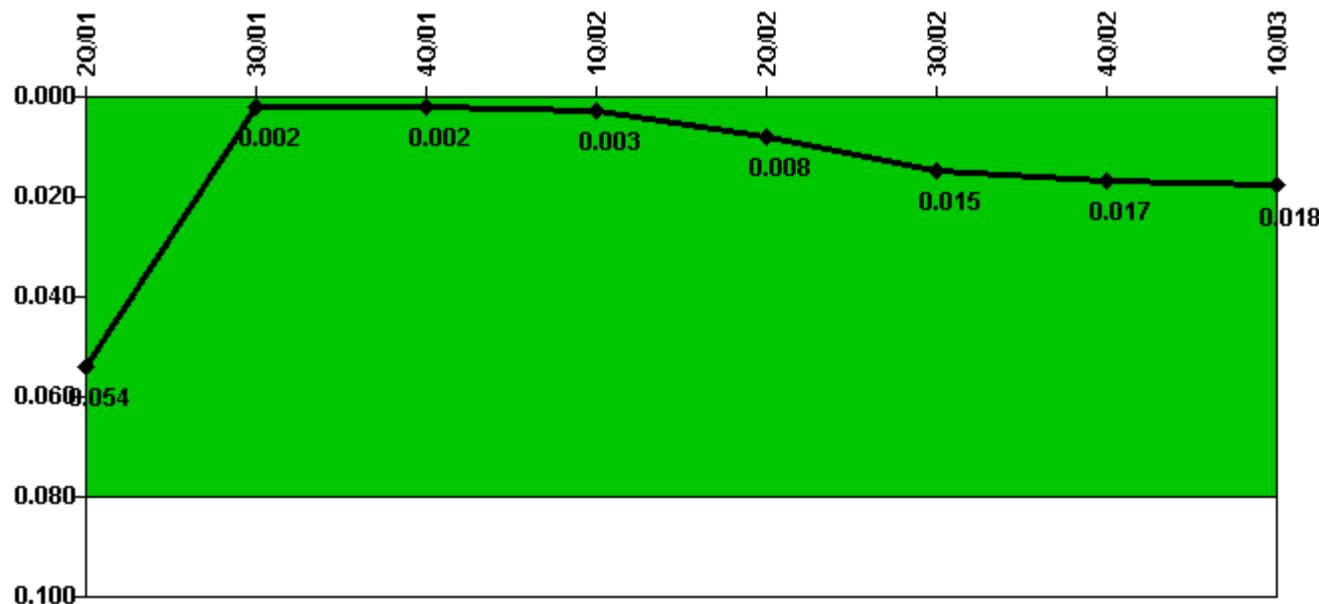
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index



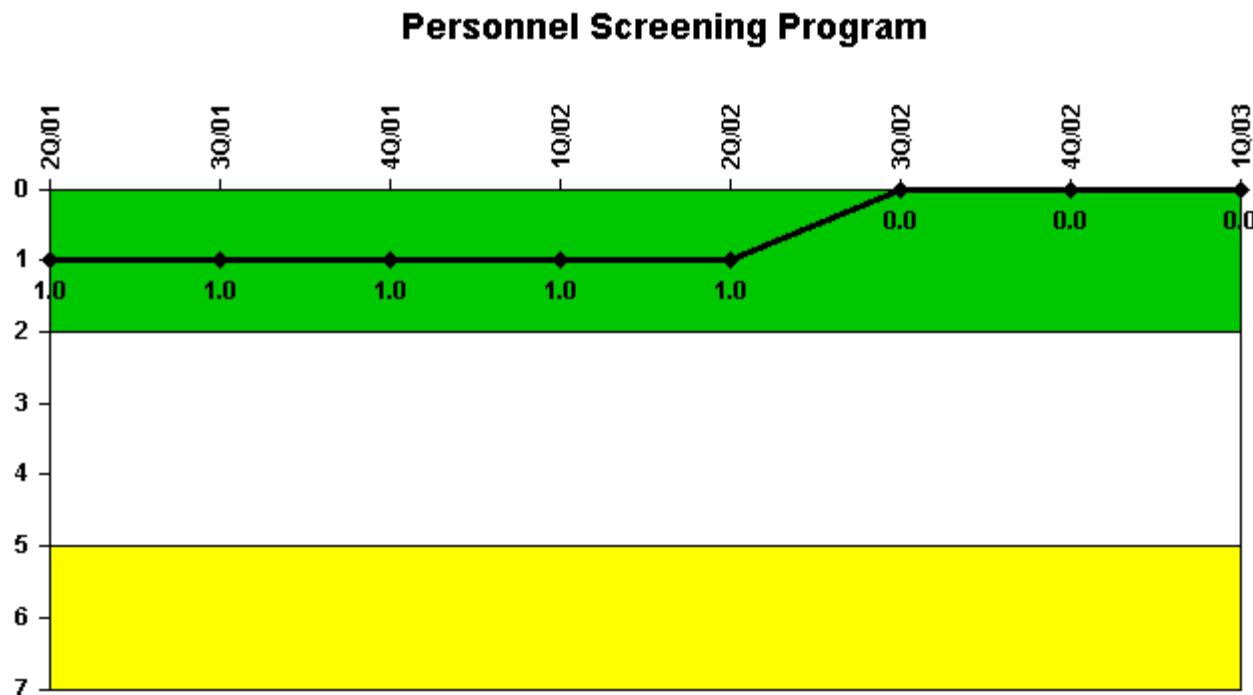
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	0.47	0	20.50	20.75	14.06	142.38	48.00	43.37
CCTV compensatory hours	0	9.0	0	0	87.5	2.4	0	0.7
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.054</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>	<b>0.018</b>

Licensee Comments: none

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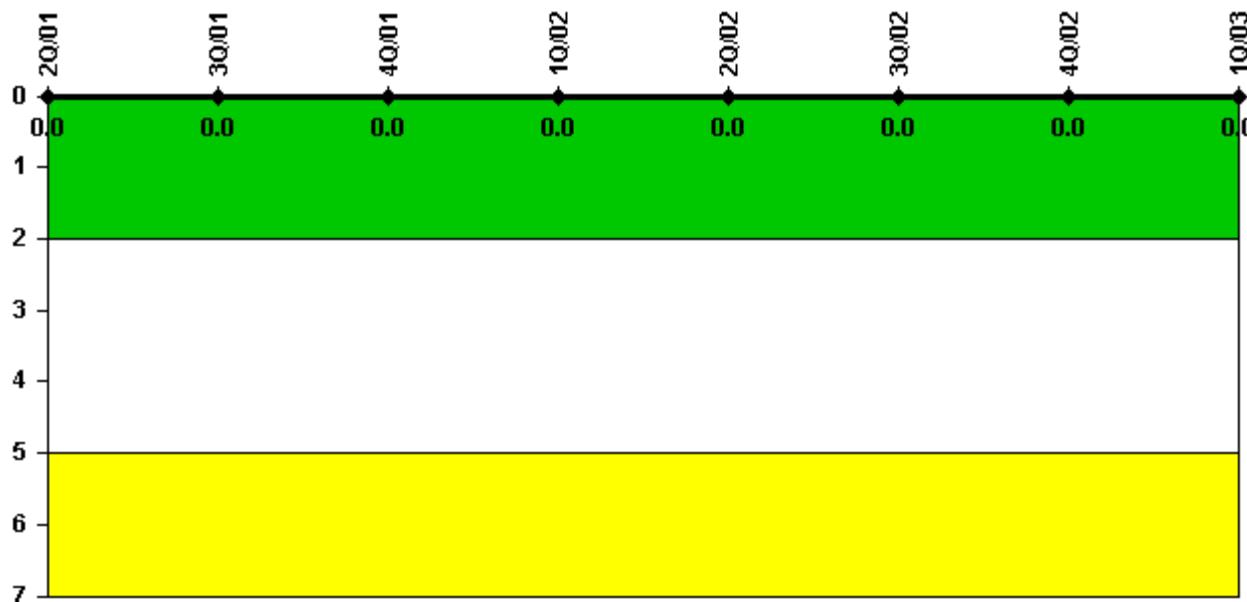


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program failures	0	1	0	0	0	0	0	0
Indicator value	1	1	1	1	1	0	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

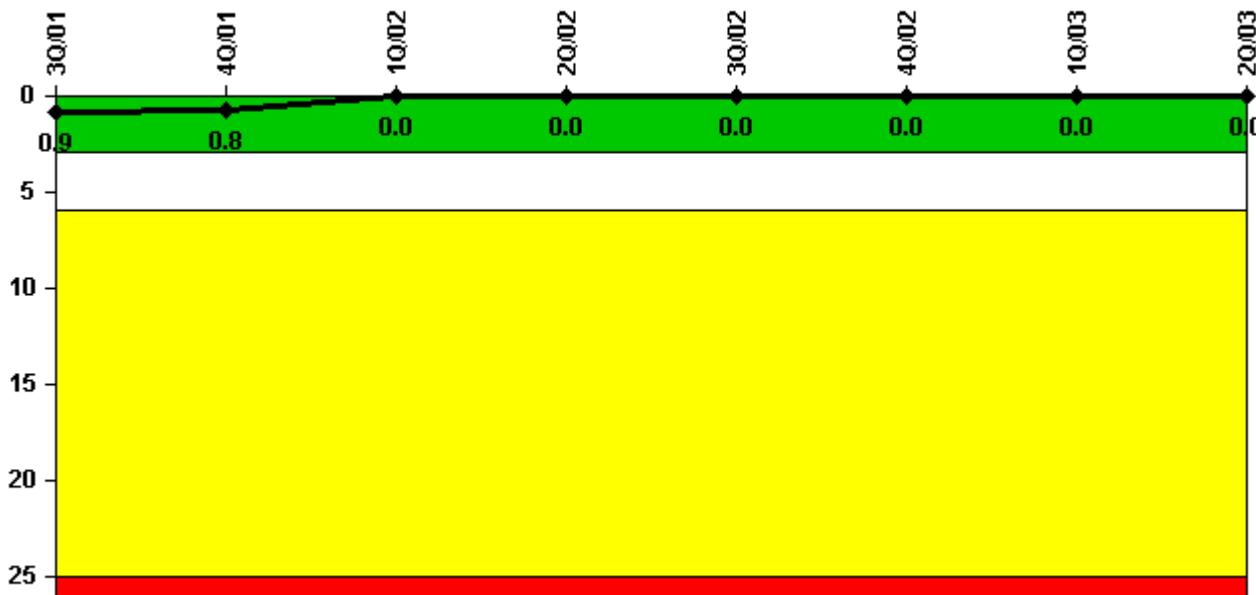
Last Modified: April 22, 2003

## Hatch 1

### 2Q/2003 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs

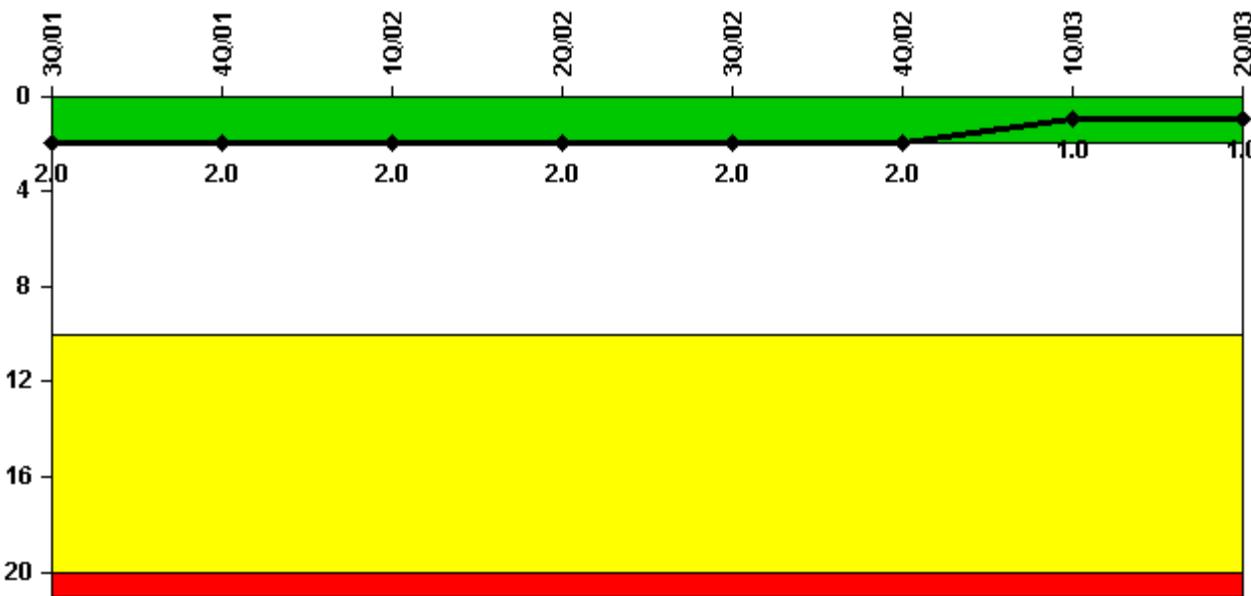


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5
Indicator value	0.9	0.8	0	0	0	0	0	0

Licensee Comments: none

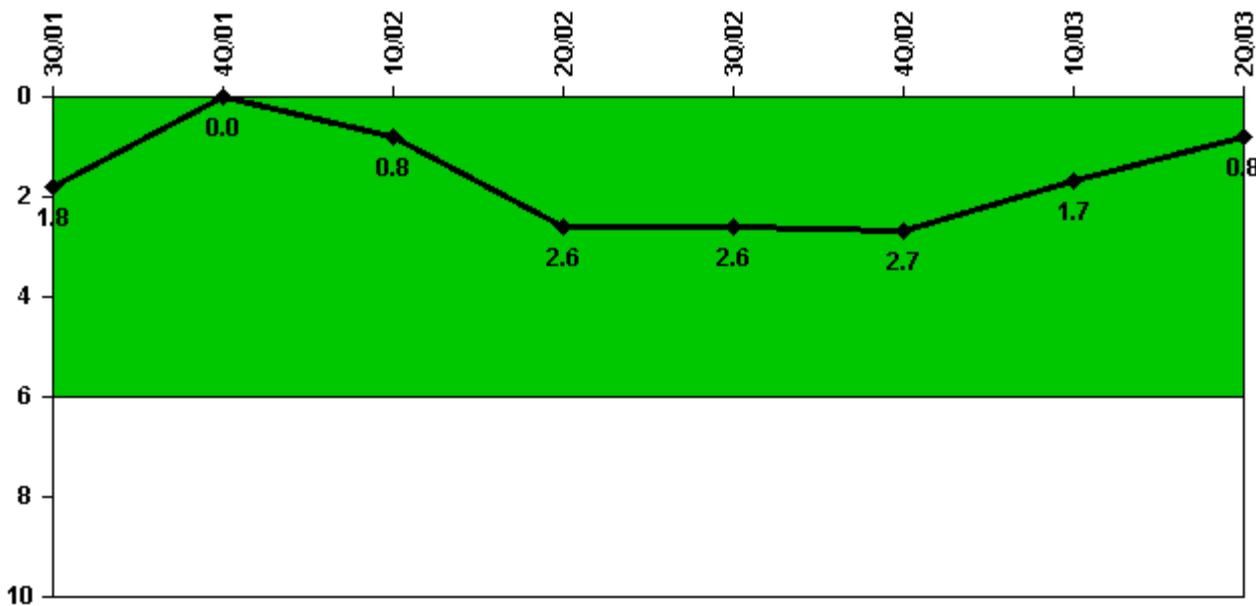
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

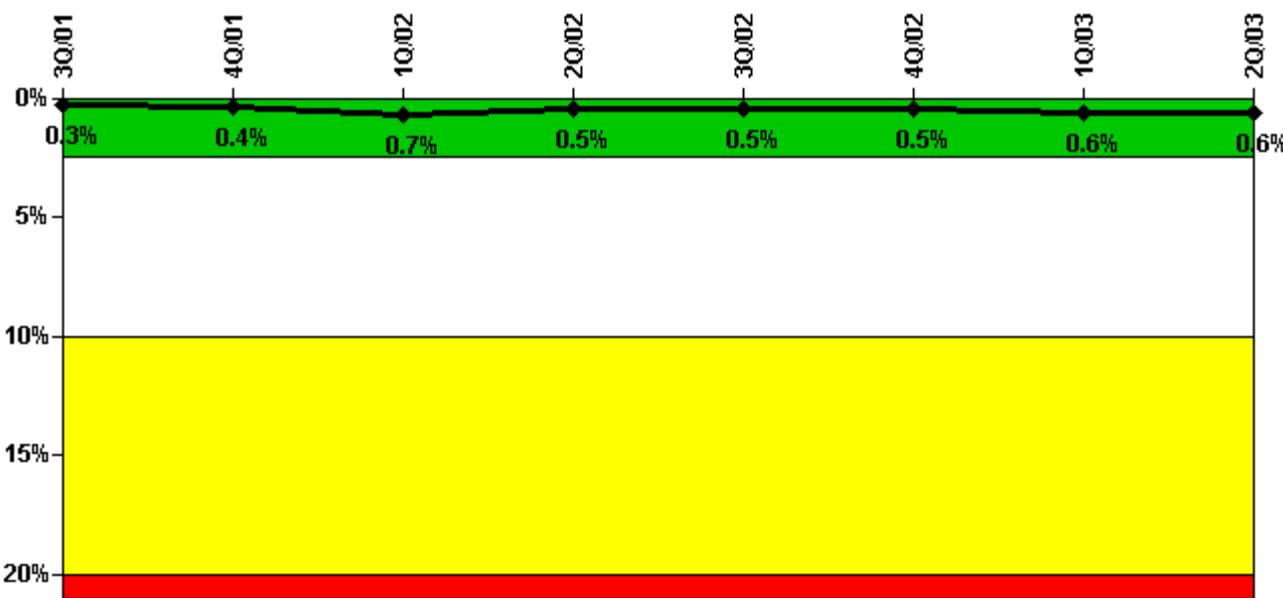
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	1.0	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5
Indicator value	1.8	0	0.8	2.6	2.6	2.7	1.7	0.8

Licensee Comments: none

## **Safety System Unavailability, Emergency AC Power, >2EDG**



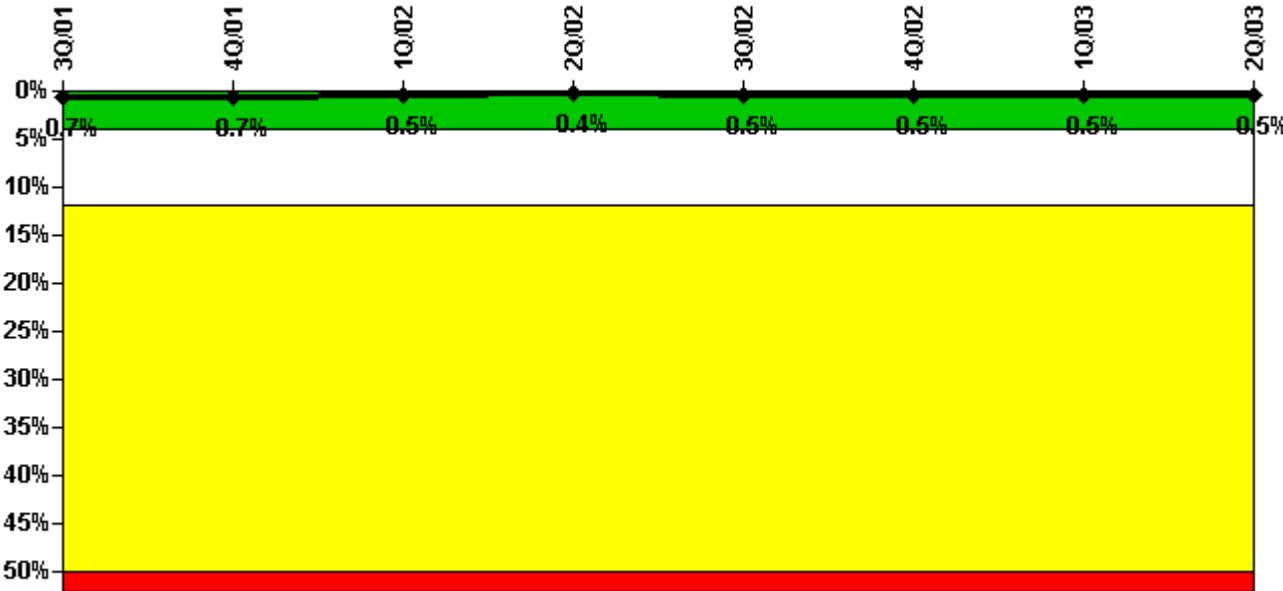
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	0.08	0	0	0	0.25	0
Unplanned unavailable hours	0	0	0	0	0	0	44.47	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0.08	0	0	0	0.43	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	4.00	8.27	172.83	0	0	0	6.43	39.80
Unplanned unavailable hours	0	138.42	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



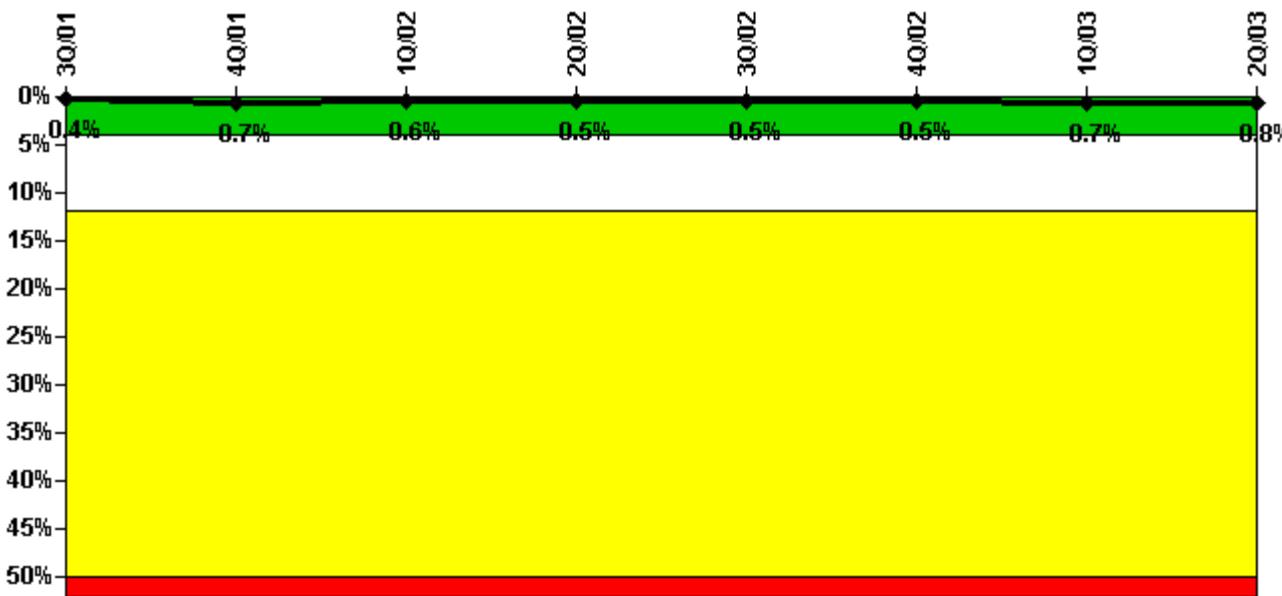
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	4.58	0	0	0	0	5.03	0	0
Unplanned unavailable hours	0	0	0	0	17.08	0	0	0
Fault exposure hours	0	0	0	0	11.58	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

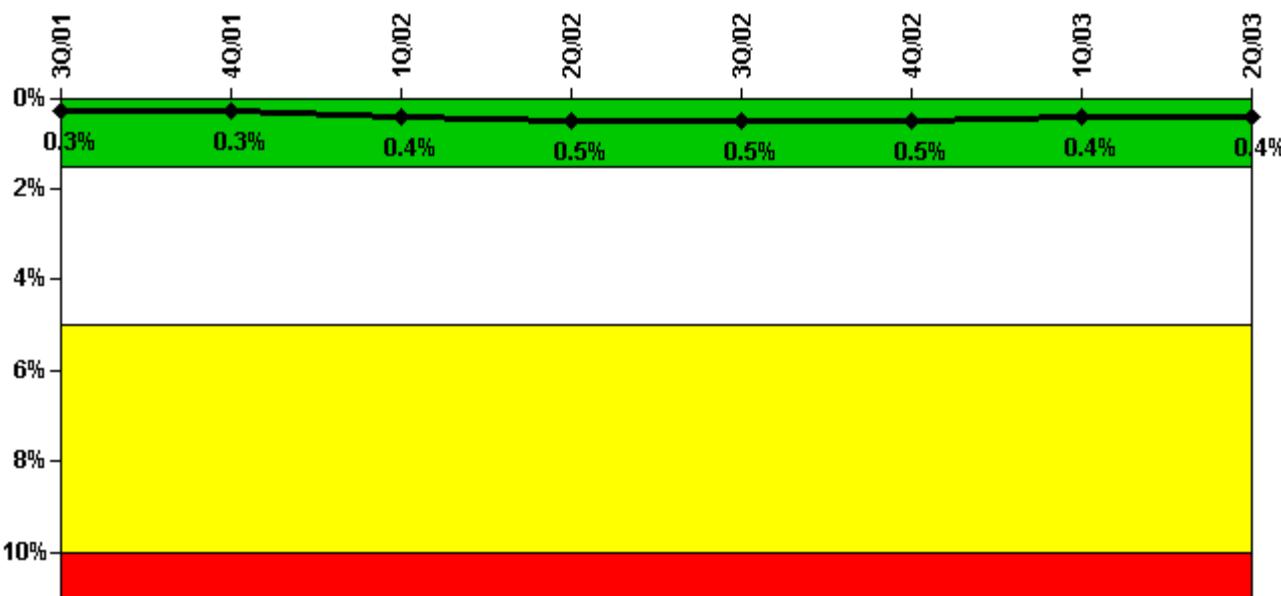
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	1.67	46.52	7.67	5.75	0.42	0.55	0.42	0.42
Unplanned unavailable hours	0	26.15	0	0	0	0	57.22	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51
<b>Indicator value</b>	<b>0.4%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>

### Licensee Comments:

2Q/03: T/2 Fault Exposure Hours were referenced in the comment fields for Q4/2002 and Q1/2003 as follows: October 2002 (88.958 hours), November 2002 (360 hours), December 2002 (372 hours), and January 2003 (148.742 hours).

## **Safety System Unavailability, Residual Heat Removal System**

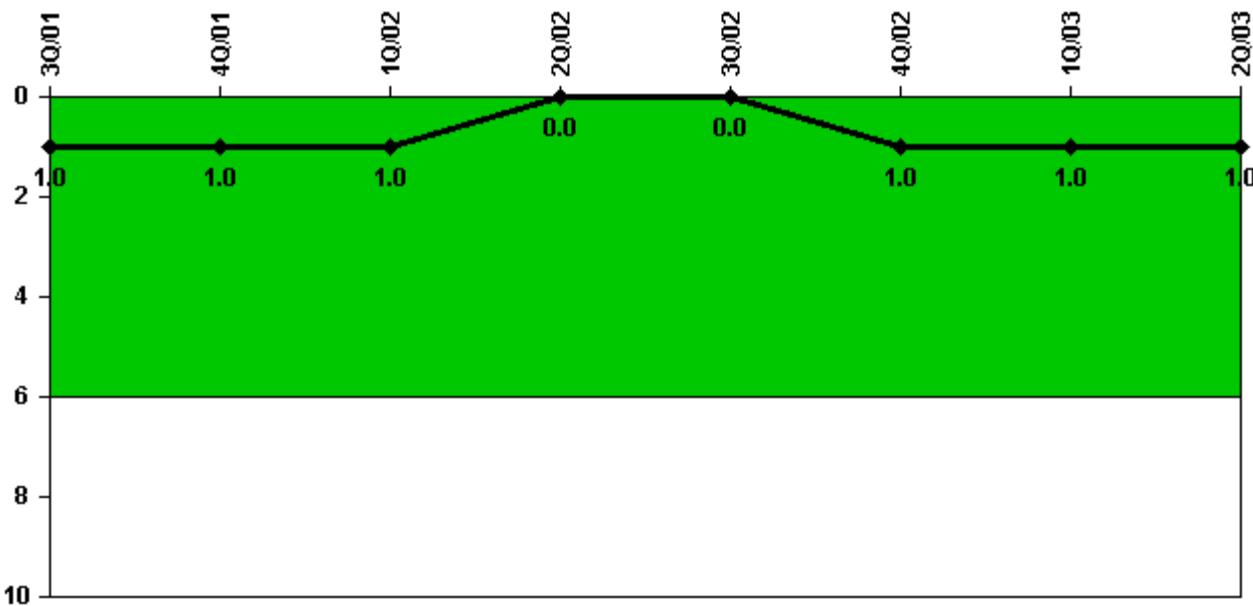


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	31.38	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0.83	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0	0	18.28	67.93	0	4.97	0	7.55
Unplanned unavailable hours	0	0	0	0.83	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

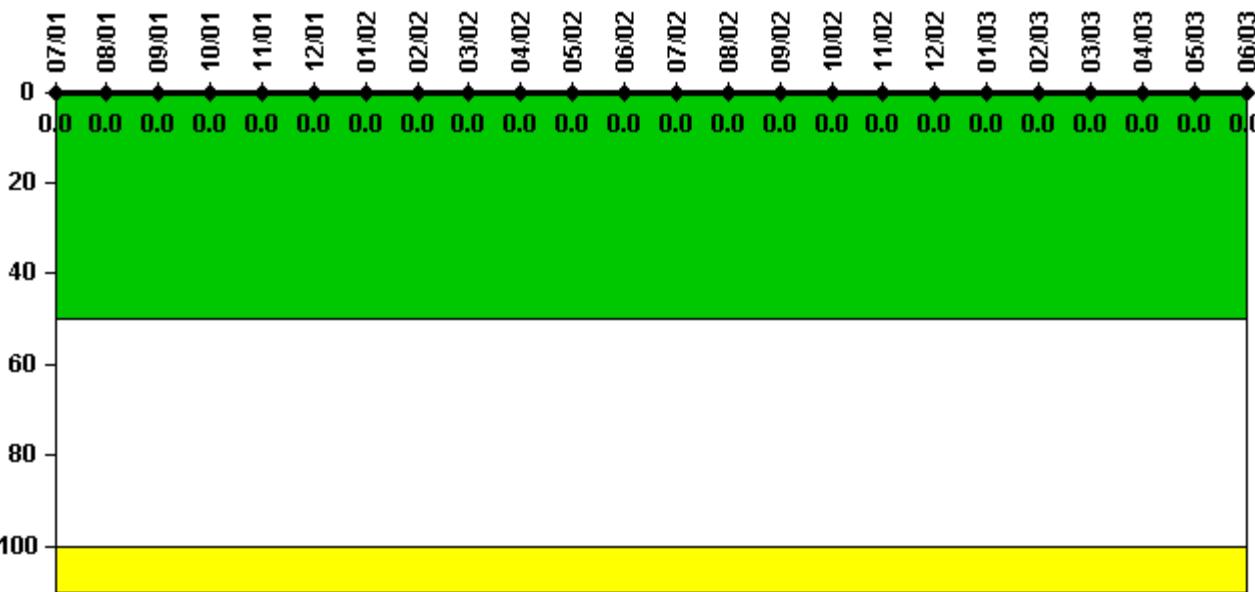
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	1	1	1	0	0	1	1	1

Licensee Comments: none

### Reactor Coolant System Activity



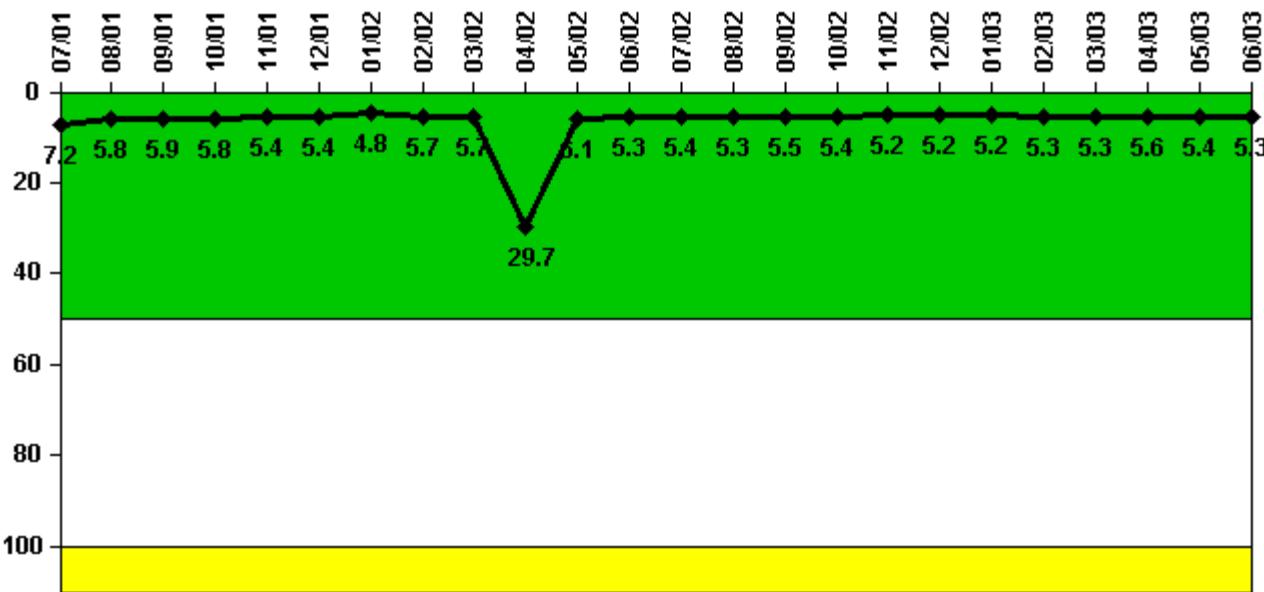
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000010	0.000020	0.000010	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060
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	0
Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004
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	0

Licensee Comments: none

### Reactor Coolant System Leakage

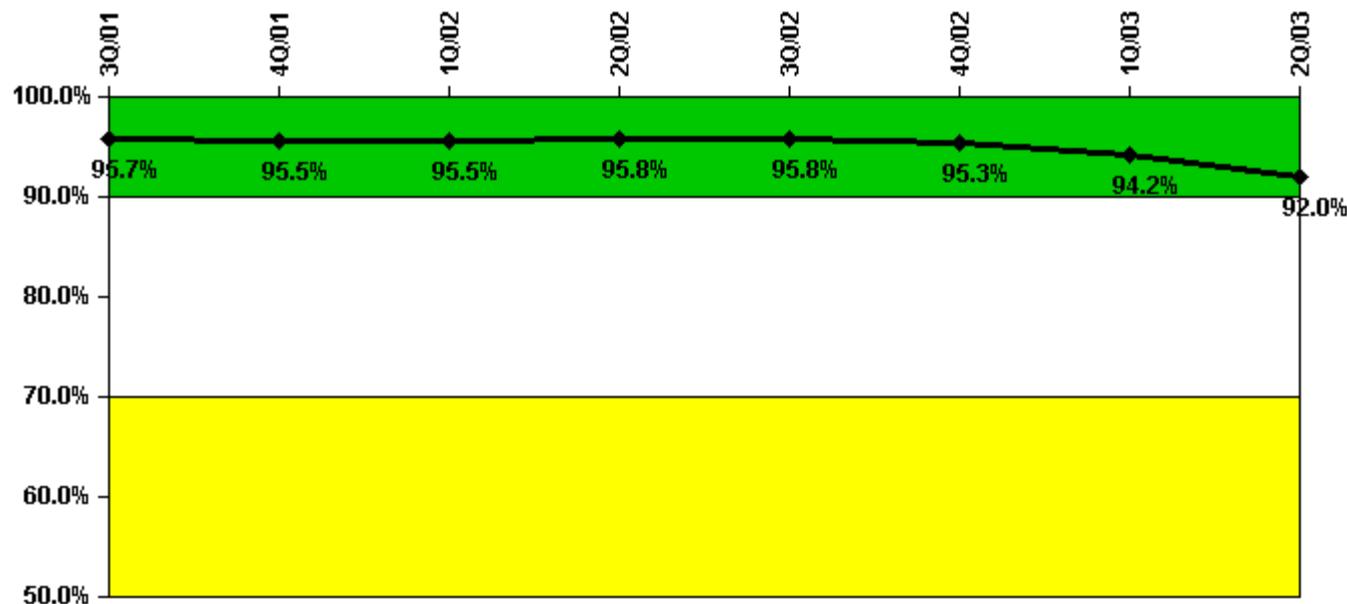


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	2.160	1.750	1.760	1.730	1.630	1.630	1.440	1.720	1.720	8.910	1.820	1.580
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	7.2	5.8	5.9	5.8	5.4	5.4	4.8	5.7	5.7	29.7	6.1	5.3
Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	1.620	1.590	1.640	1.610	1.560	1.560	1.570	1.580	1.580	1.680	1.610	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	5.4	5.3	5.5	5.4	5.2	5.2	5.2	5.3	5.3	5.6	5.4	5.3

Licensee Comments: none

**Drill/Exercise Performance**

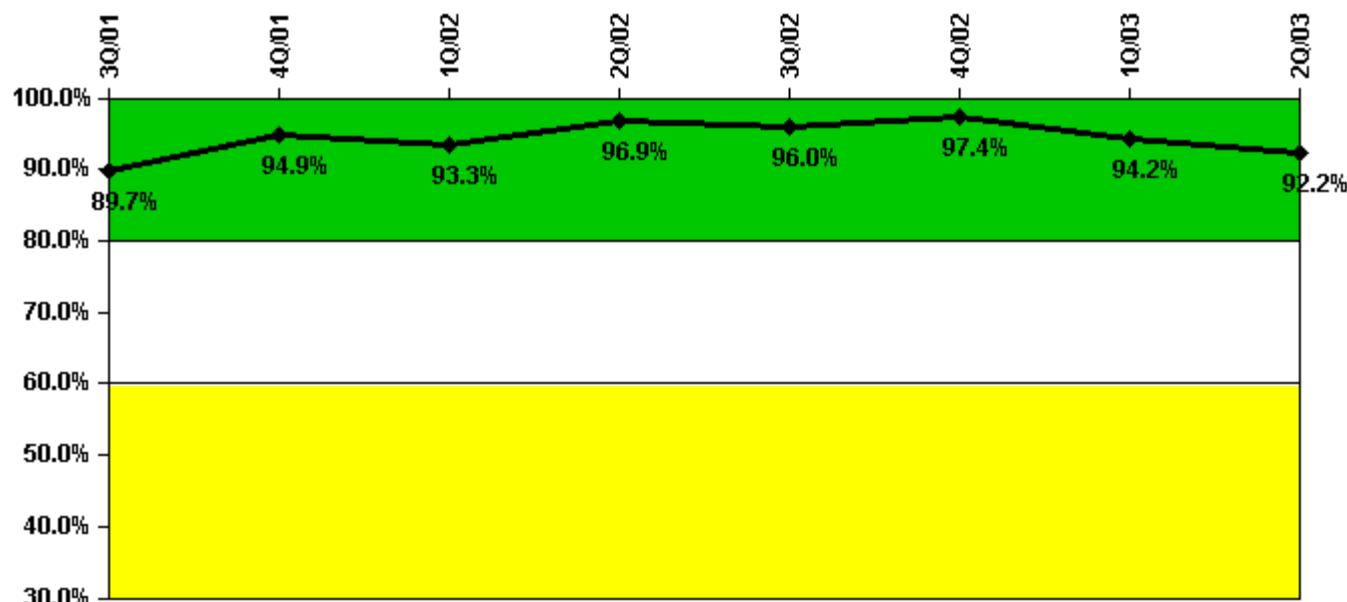
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	17.0	8.0	0	8.0	54.0	5.0	6.0	6.0
Total opportunities	19.0	8.0	0	8.0	56.0	6.0	8.0	8.0
Indicator value	95.7%	95.5%	95.5%	95.8%	95.8%	95.3%	94.2%	92.0%

Licensee Comments: none

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>
Participating Key personnel	122.0	131.0	126.0	123.0	119.0	114.0	113.0	107.0
Total Key personnel	136.0	138.0	135.0	127.0	124.0	117.0	120.0	116.0
<b>Indicator value</b>	<b>89.7%</b>	<b>94.9%</b>	<b>93.3%</b>	<b>96.9%</b>	<b>96.0%</b>	<b>97.4%</b>	<b>94.2%</b>	<b>92.2%</b>

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

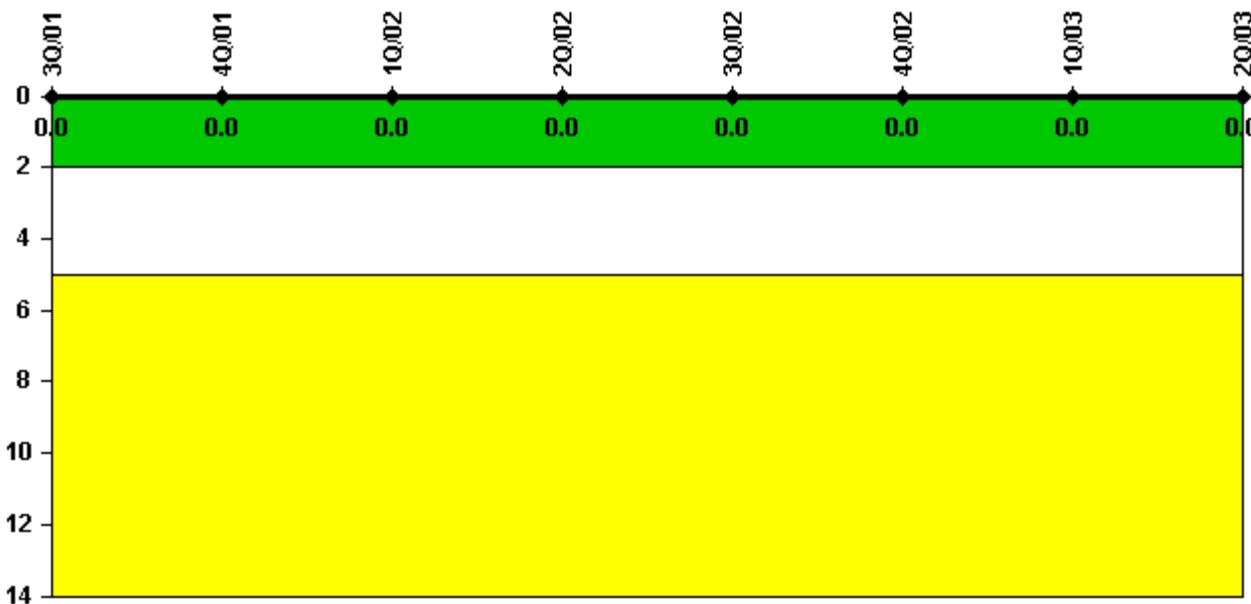
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

2Q/03: Plant Hatch does not use sirens as an emergency notification system.

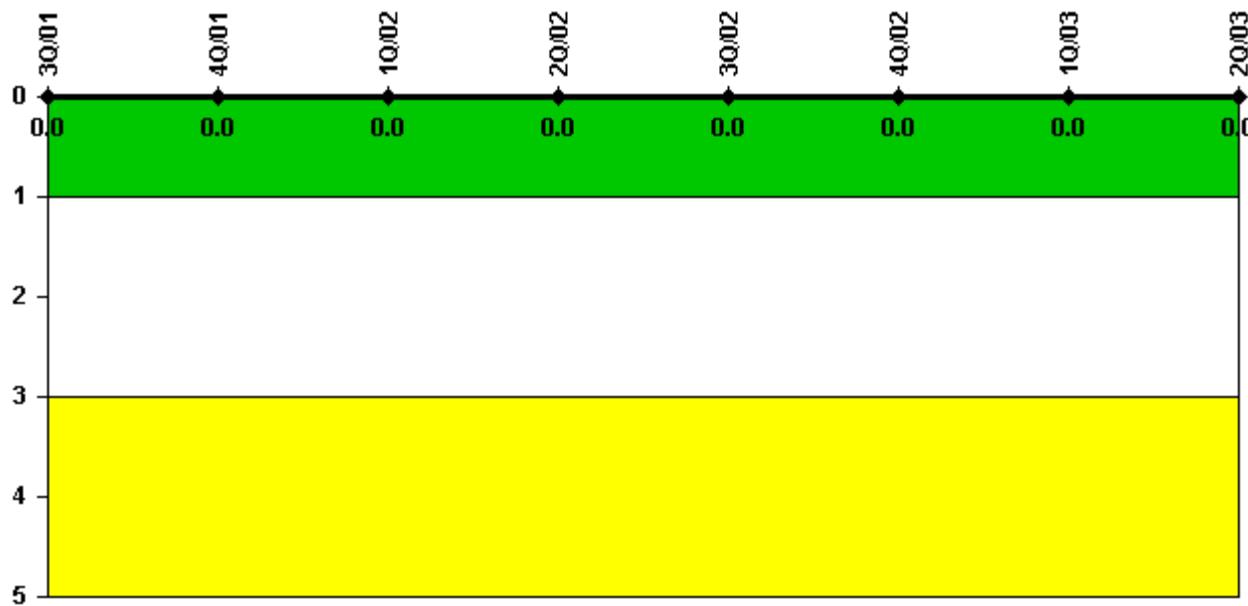
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
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

**RETS/ODCM Radiological Effluent**

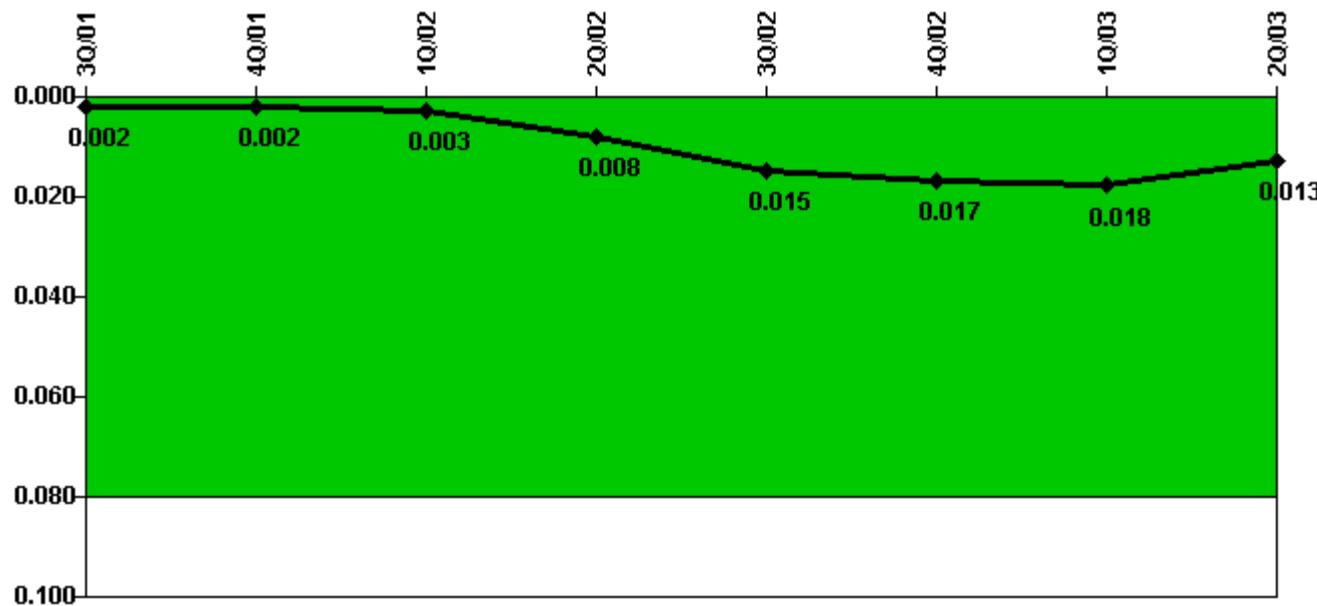
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index



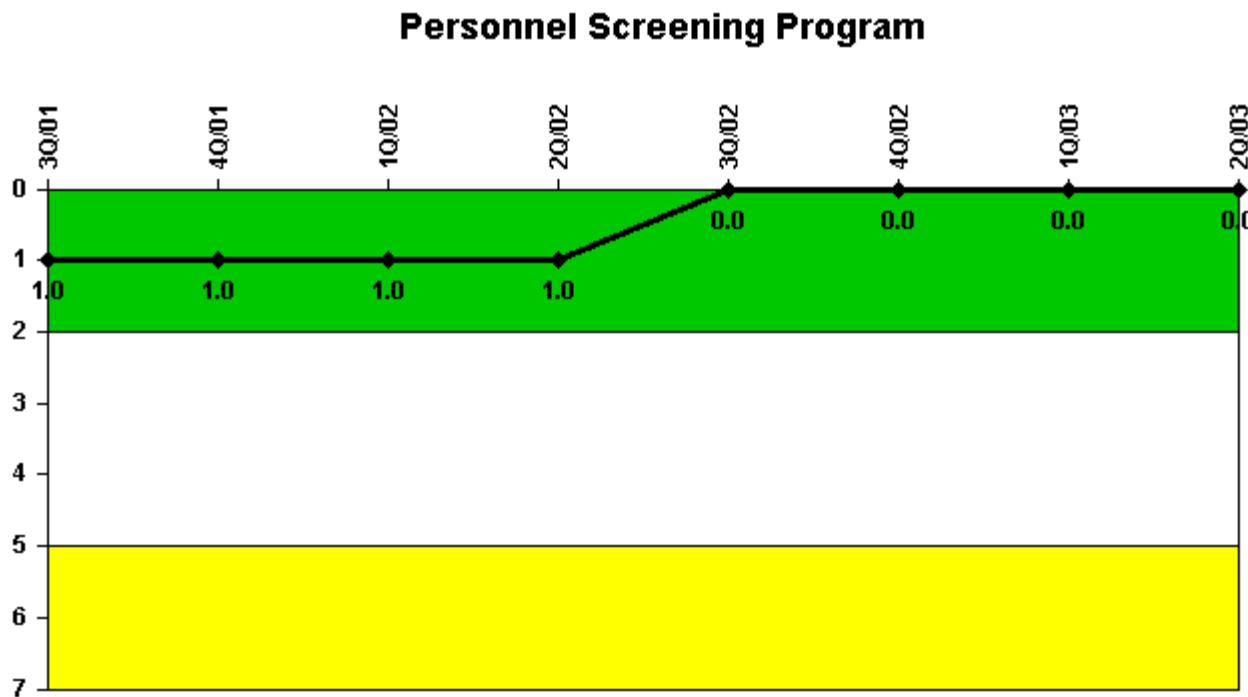
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	0	20.50	20.75	14.06	142.38	48.00	43.37	11.04
CCTV compensatory hours	9.0	0	0	87.5	2.4	0	0.7	2.2
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>	<b>0.018</b>	<b>0.013</b>

Licensee Comments: none

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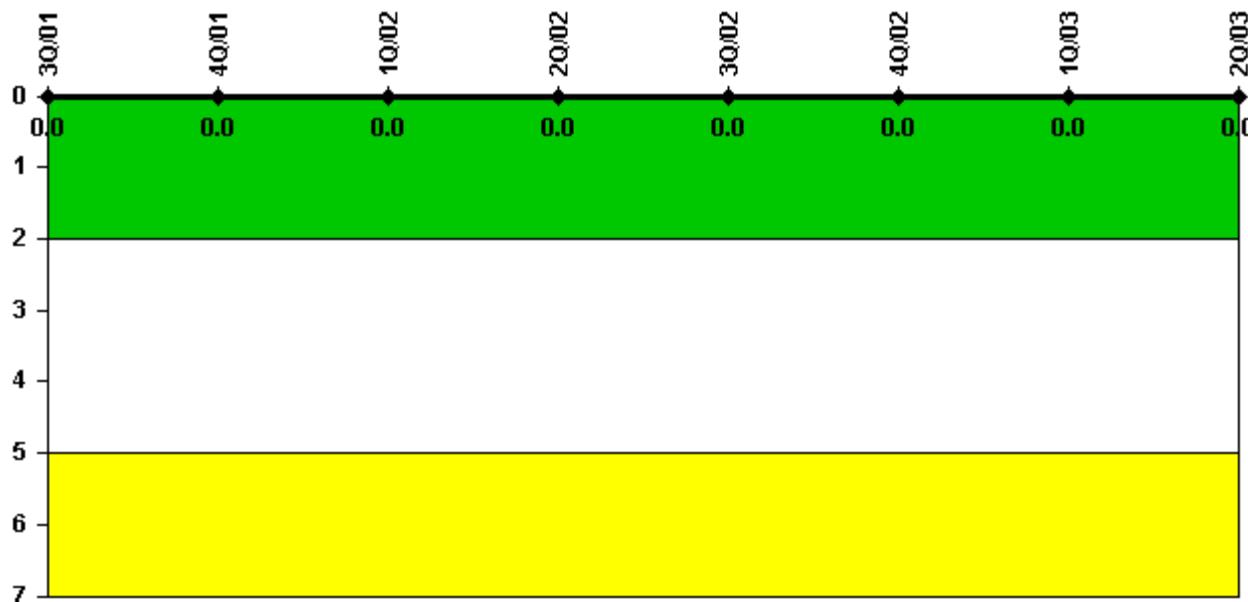


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

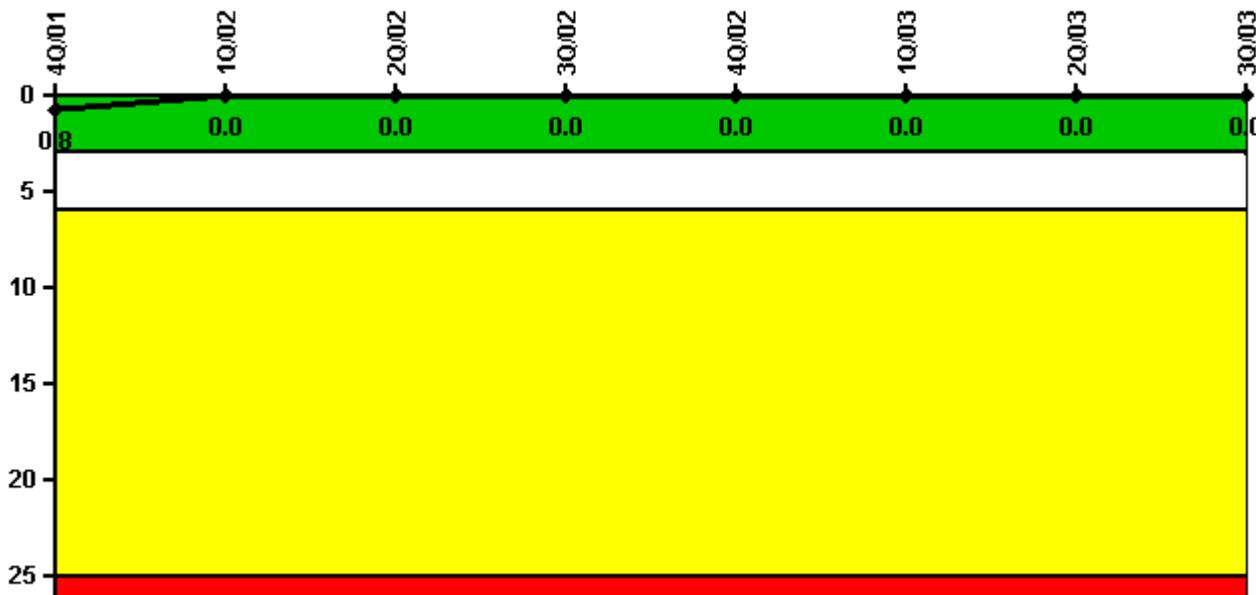
Last Modified: July 22, 2003

# Hatch 1

## 3Q/2003 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs

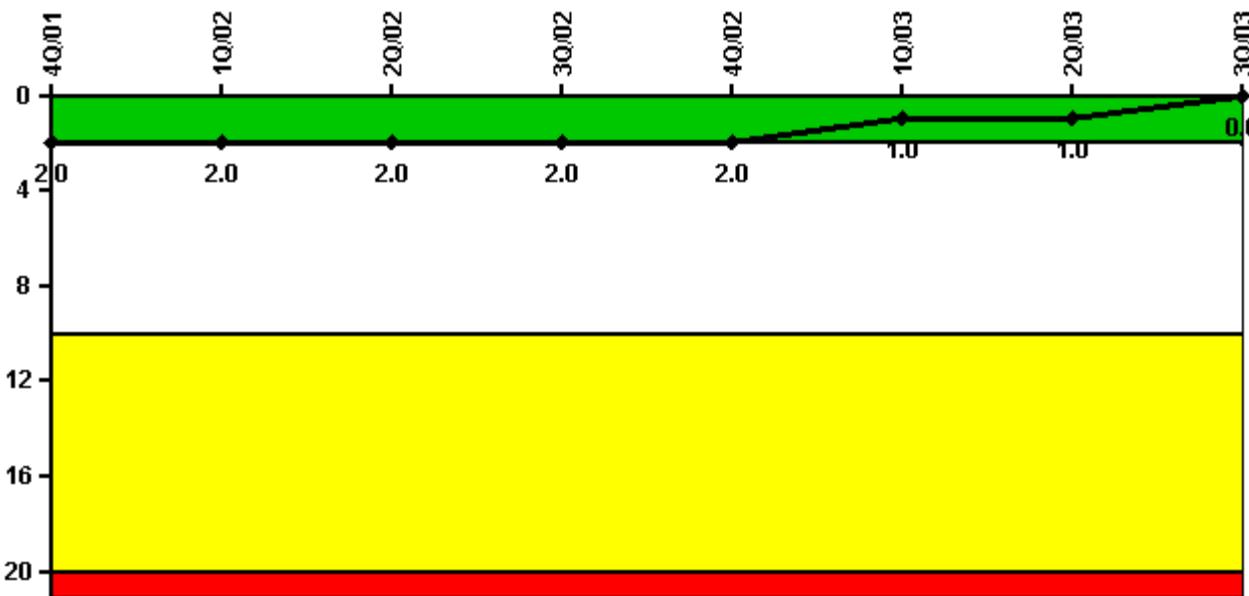


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

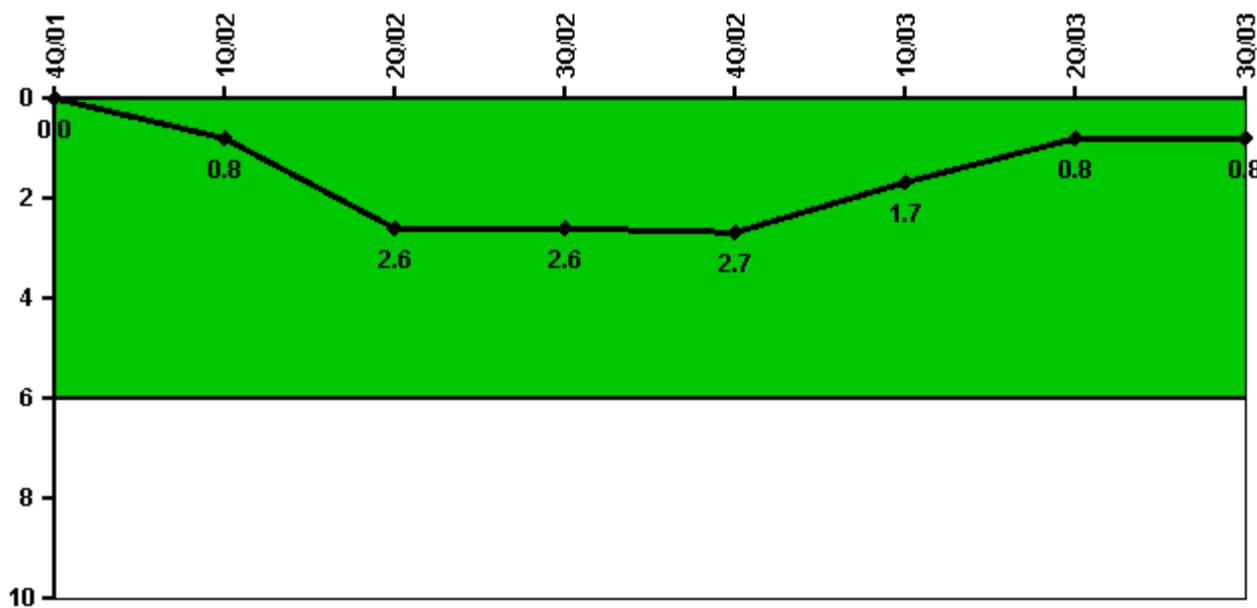
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



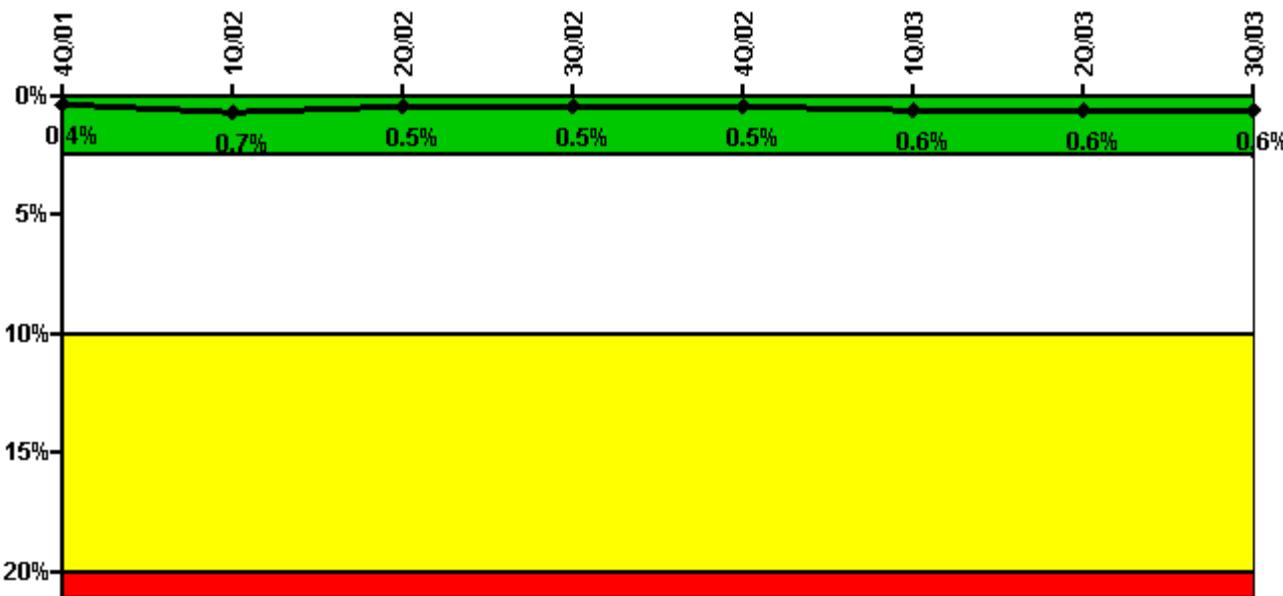
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	1.0	2.0	0	0	0	1.0	0
Critical hours	2209.0	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0
Indicator value	0	0.8	2.6	2.6	2.7	1.7	0.8	0.8

Licensee Comments: none

## **Safety System Unavailability, Emergency AC Power, >2EDG**



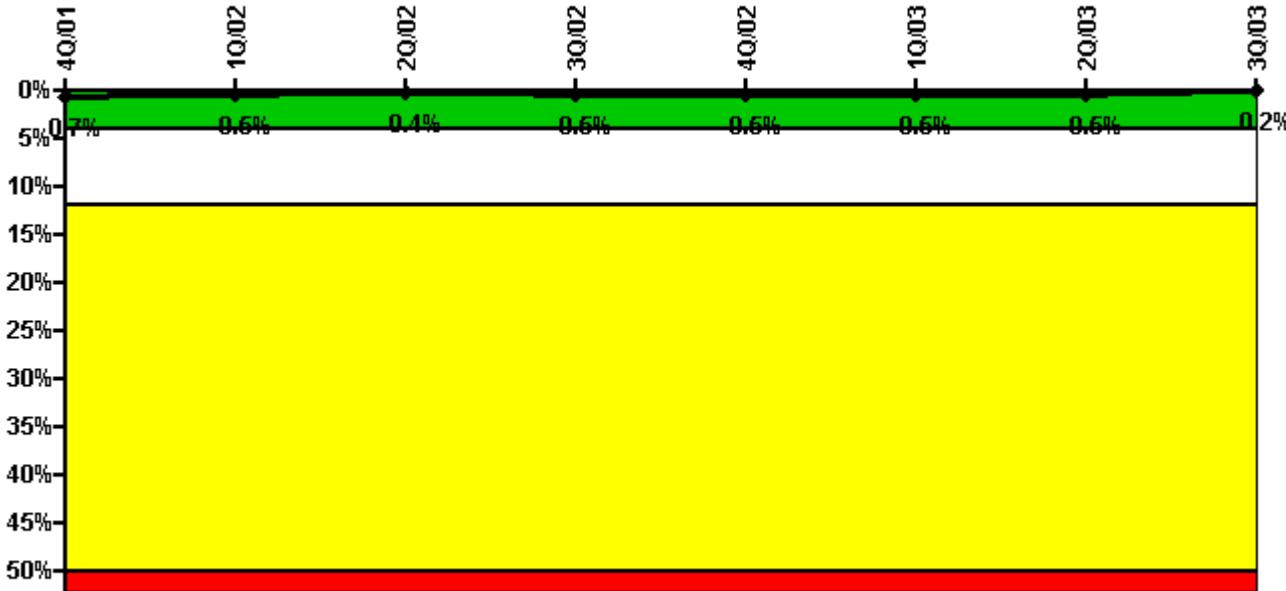
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

<b>Safety System Unavailability, Emergency AC Power, &gt;2EDG</b>		<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>
<b>Train 1</b>									
Planned unavailable hours		0	0.08	0	0	0	0.25	0	0
Unplanned unavailable hours		0	0	0	0	0	44.47	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>									
Planned unavailable hours		0	0.08	0	0	0	0.43	0	14.50
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 3</b>									
Planned unavailable hours		8.27	172.83	0	0	0	6.43	39.80	0
Unplanned unavailable hours		138.42	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>		<b>0.4%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



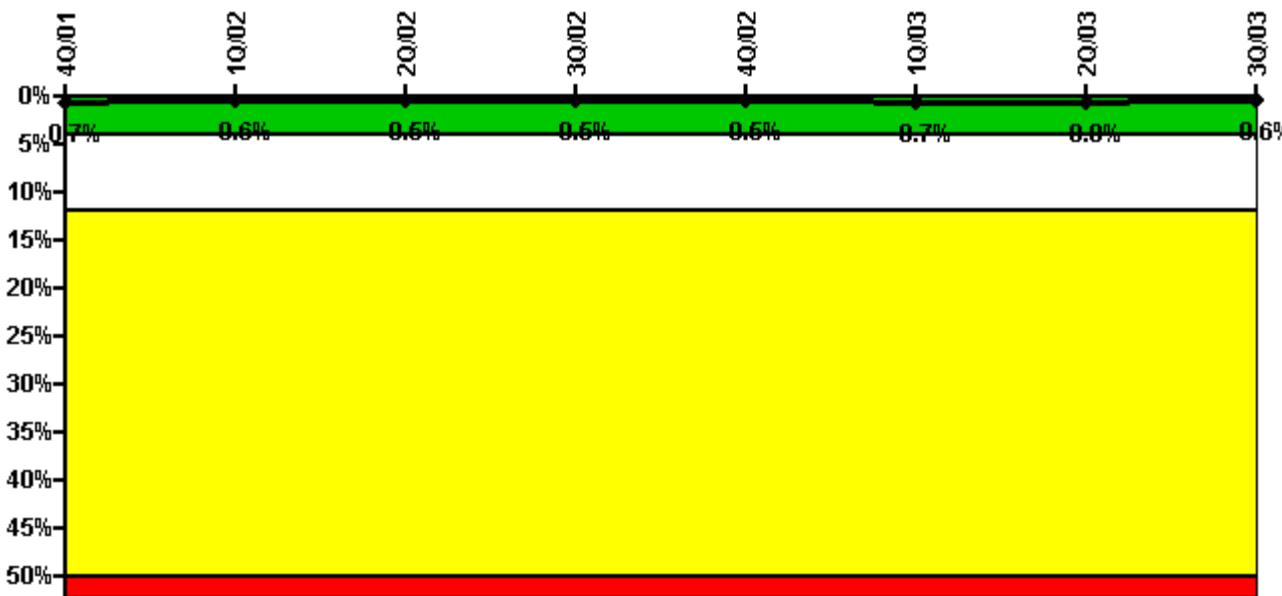
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	5.03	0	0	0
Unplanned unavailable hours	0	0	0	17.08	0	0	0	0
Fault exposure hours	0	0	0	11.58	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



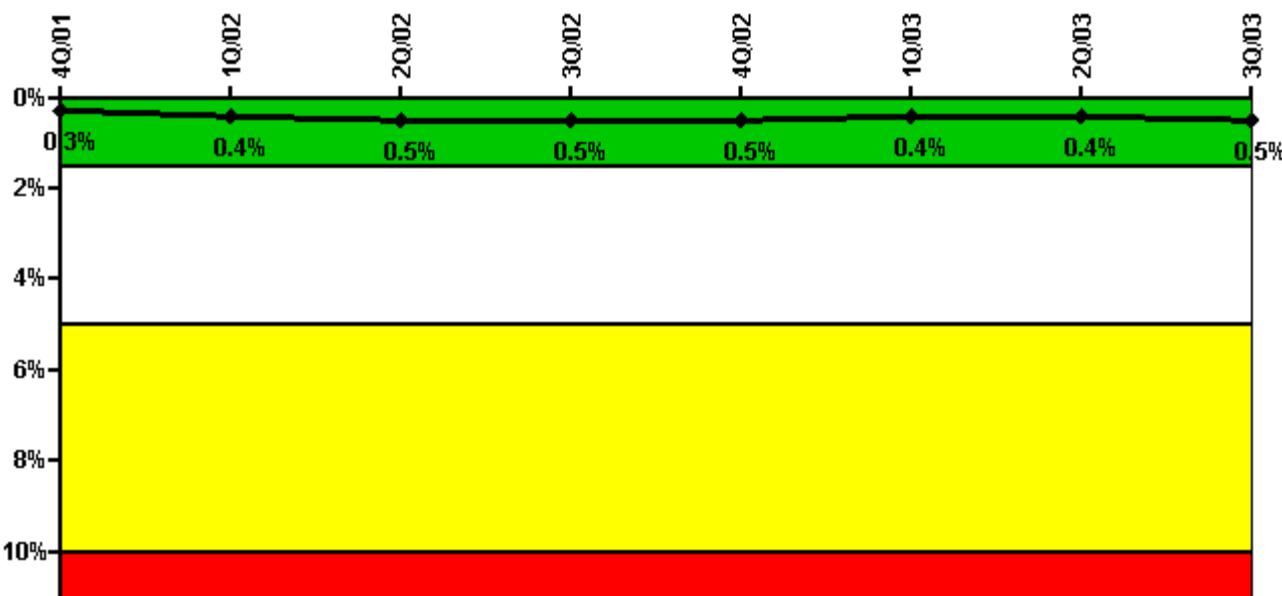
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	46.52	7.67	5.75	0.42	0.55	0.42	0.42	0.83
Unplanned unavailable hours	26.15	0	0	0	0	57.22	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>

Licensee Comments: none

## **Safety System Unavailability, Residual Heat Removal System**

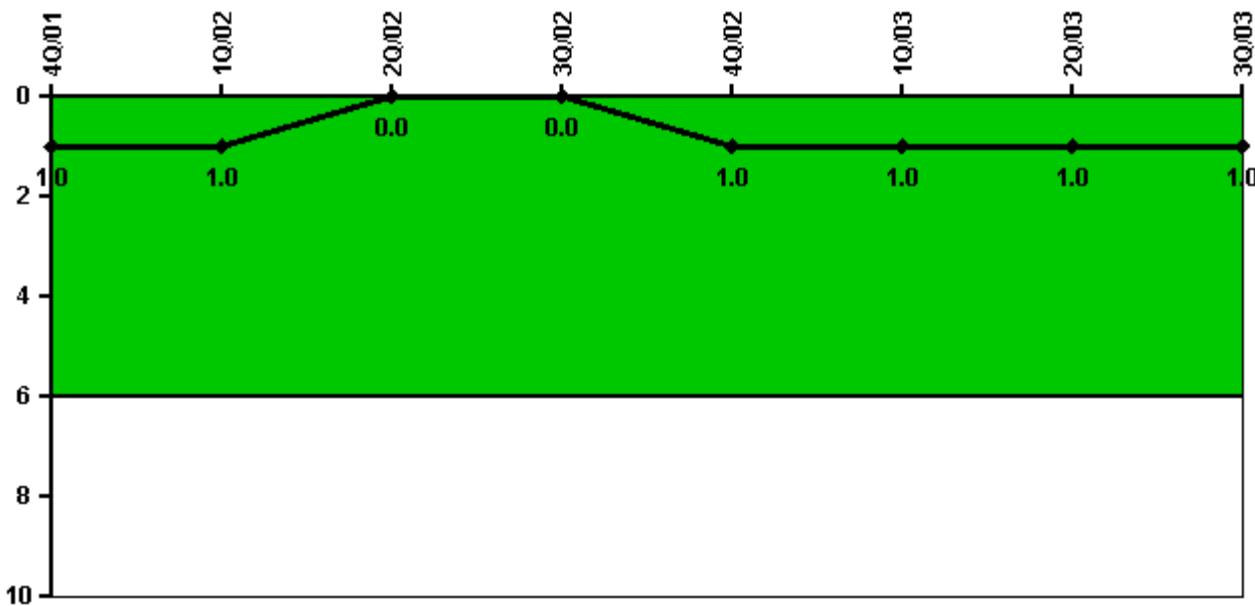


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	0	31.38	0	0	0	0	0	26.32
Unplanned unavailable hours	0	0	0.83	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	18.28	67.93	0	4.97	0	7.55	0
Unplanned unavailable hours	0	0	0.83	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.5%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

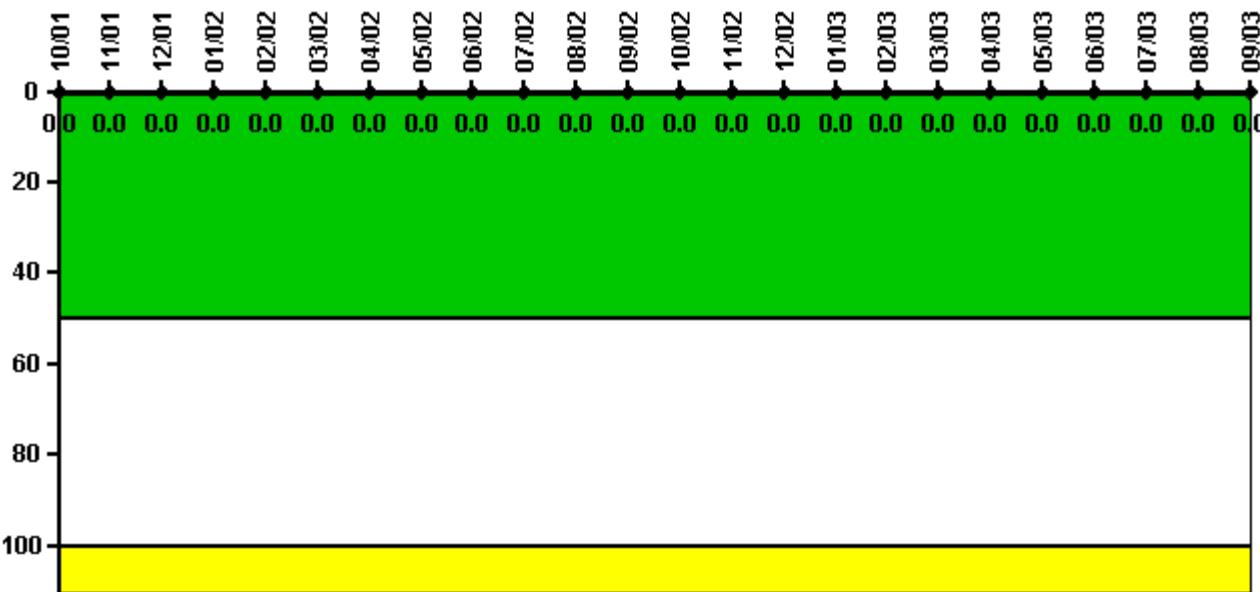
Thresholds: White > 6.0

**Notes**

Safety System Functional Failures (BWR)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	1	1	0	0	1	1	1	1

Licensee Comments: none

### Reactor Coolant System Activity



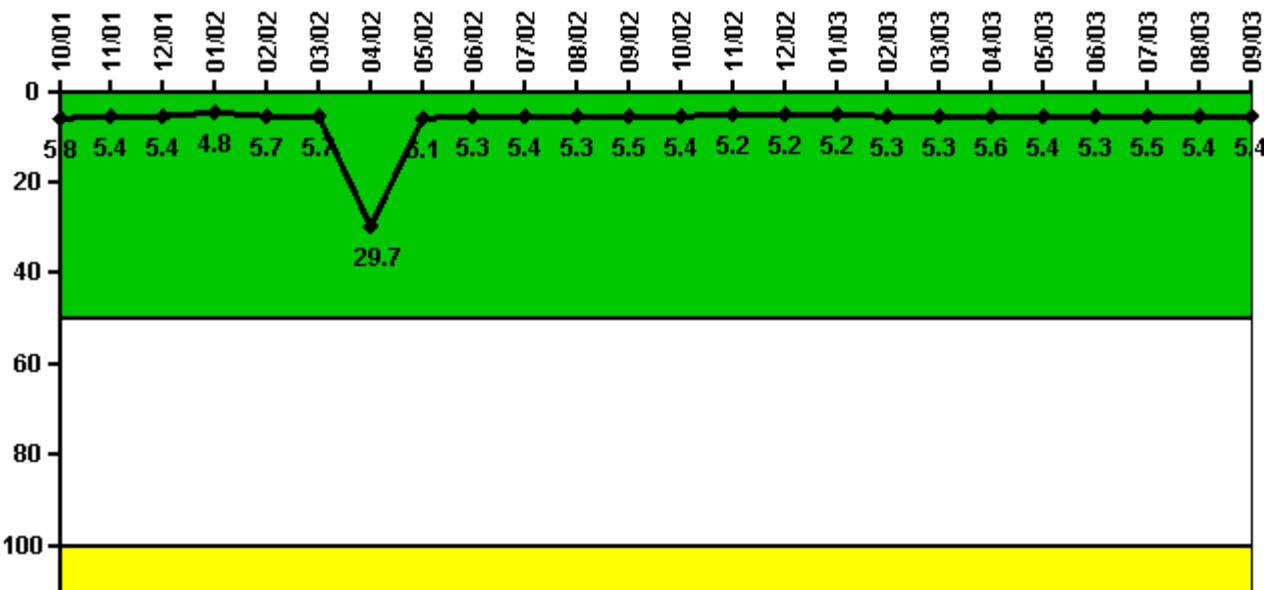
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000050	0.000030	0.000070	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage

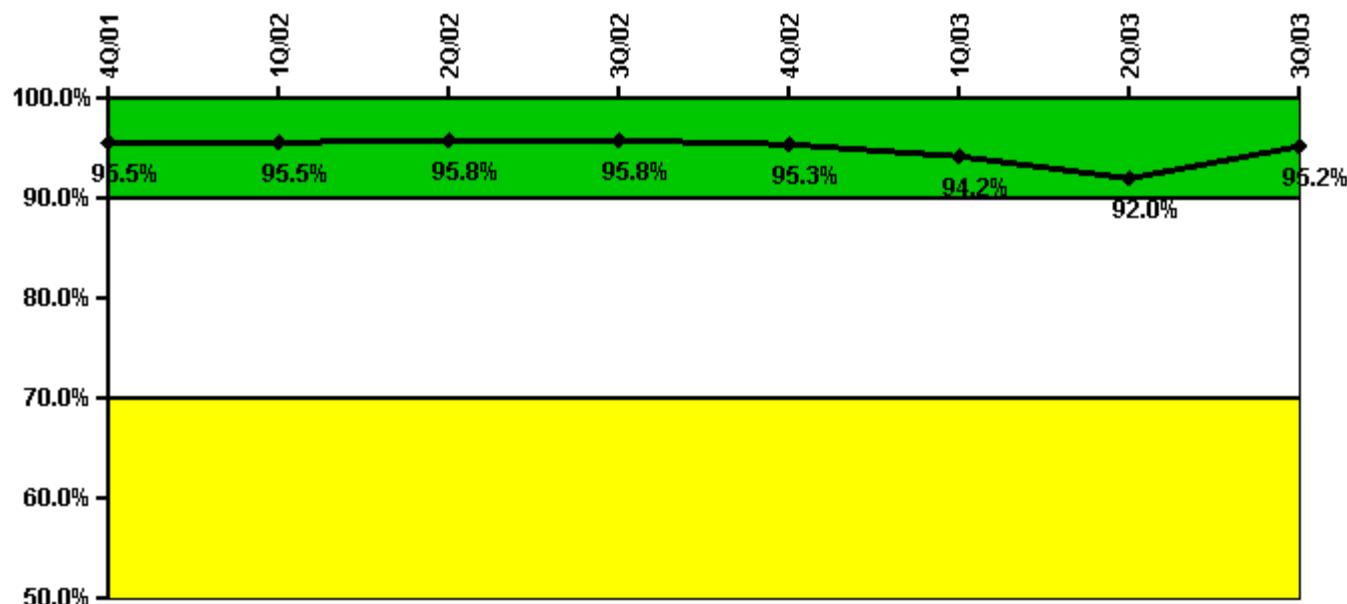


Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	1.730	1.630	1.630	1.440	1.720	1.720	8.910	1.820	1.580	1.620	1.590	1.640
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	5.8	5.4	5.4	4.8	5.7	5.7	29.7	6.1	5.3	5.4	5.3	5.5
Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	1.610	1.560	1.560	1.570	1.580	1.580	1.680	1.610	1.600	1.640	1.630	1.630
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	5.4	5.2	5.2	5.2	5.3	5.3	5.6	5.4	5.3	5.5	5.4	5.4

Licensee Comments: none

**Drill/Exercise Performance**

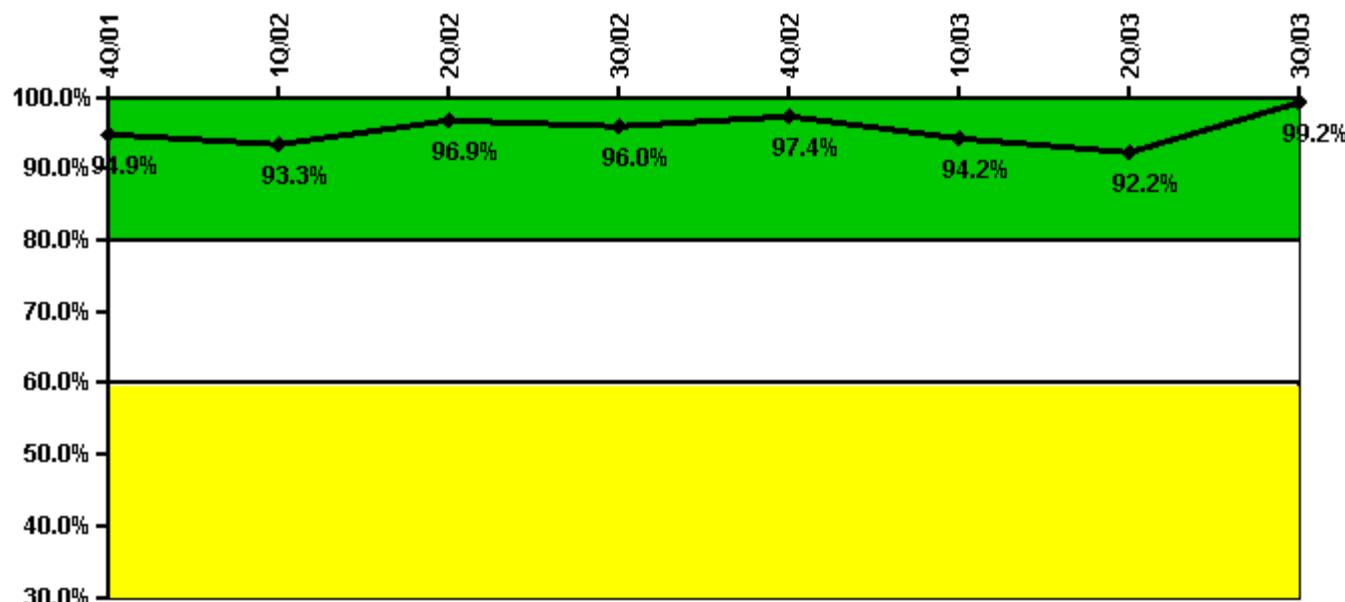
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	8.0	0	8.0	54.0	5.0	6.0	6.0	71.0
Total opportunities	8.0	0	8.0	56.0	6.0	8.0	8.0	72.0
Indicator value	95.5%	95.5%	95.8%	95.8%	95.3%	94.2%	92.0%	95.2%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	131.0	126.0	123.0	119.0	114.0	113.0	107.0	130.0
Total Key personnel	138.0	135.0	127.0	124.0	117.0	120.0	116.0	131.0
Indicator value	94.9%	93.3%	96.9%	96.0%	97.4%	94.2%	92.2%	99.2%

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

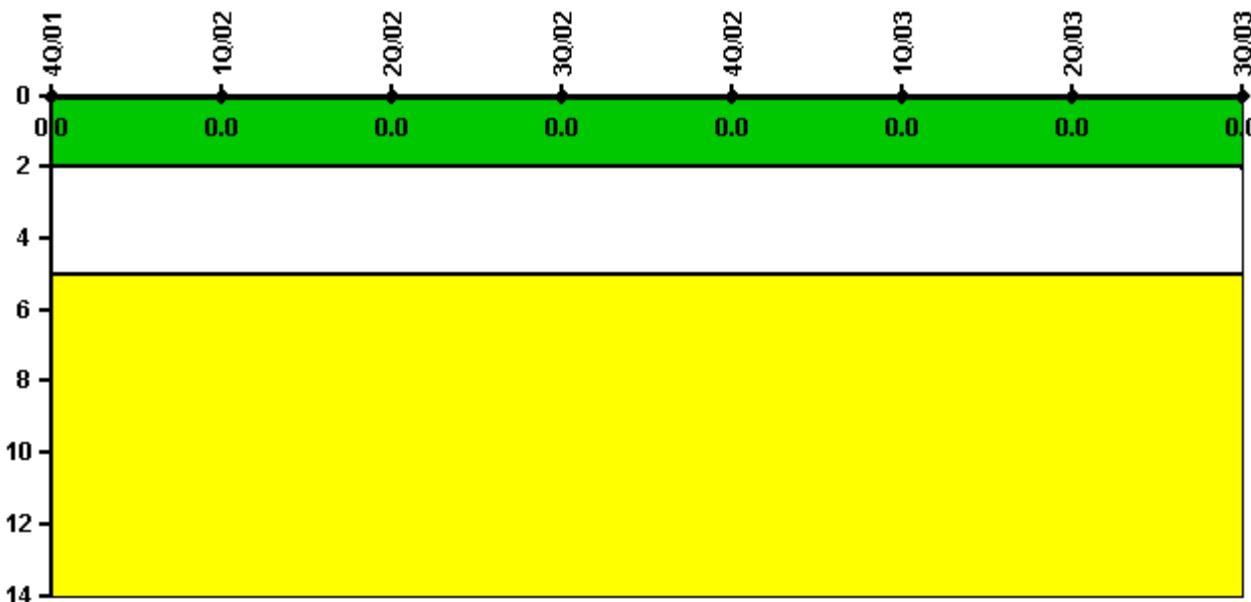
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

3Q/03: Plant Hatch does not use sirens as an emergency notification system.

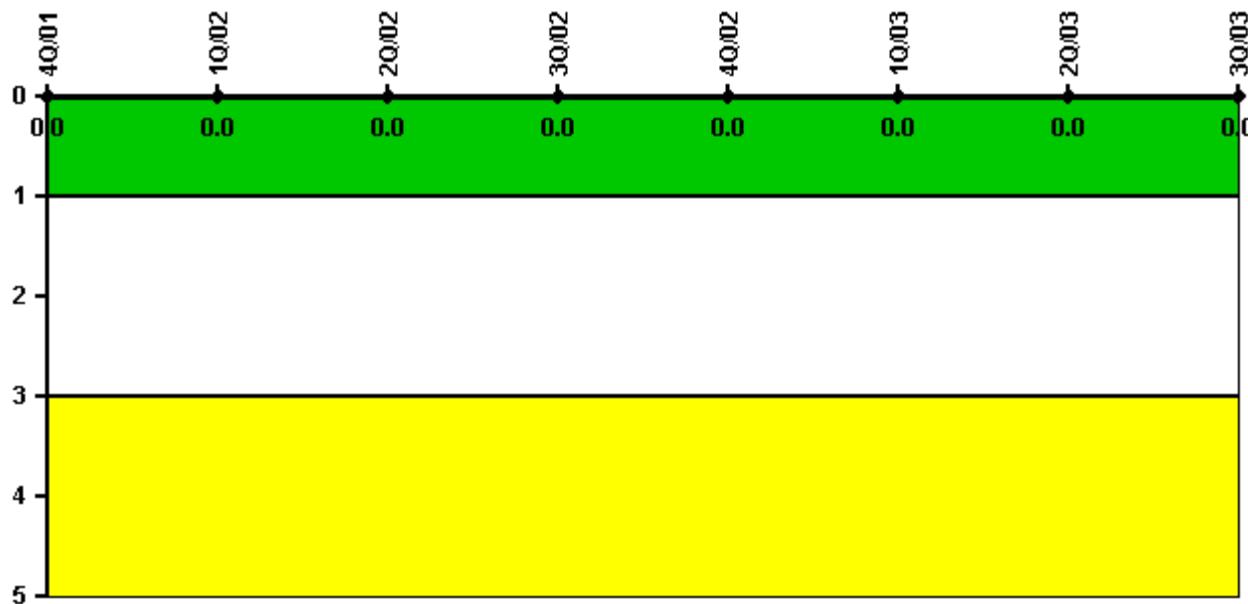
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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

**RETS/ODCM Radiological Effluent**

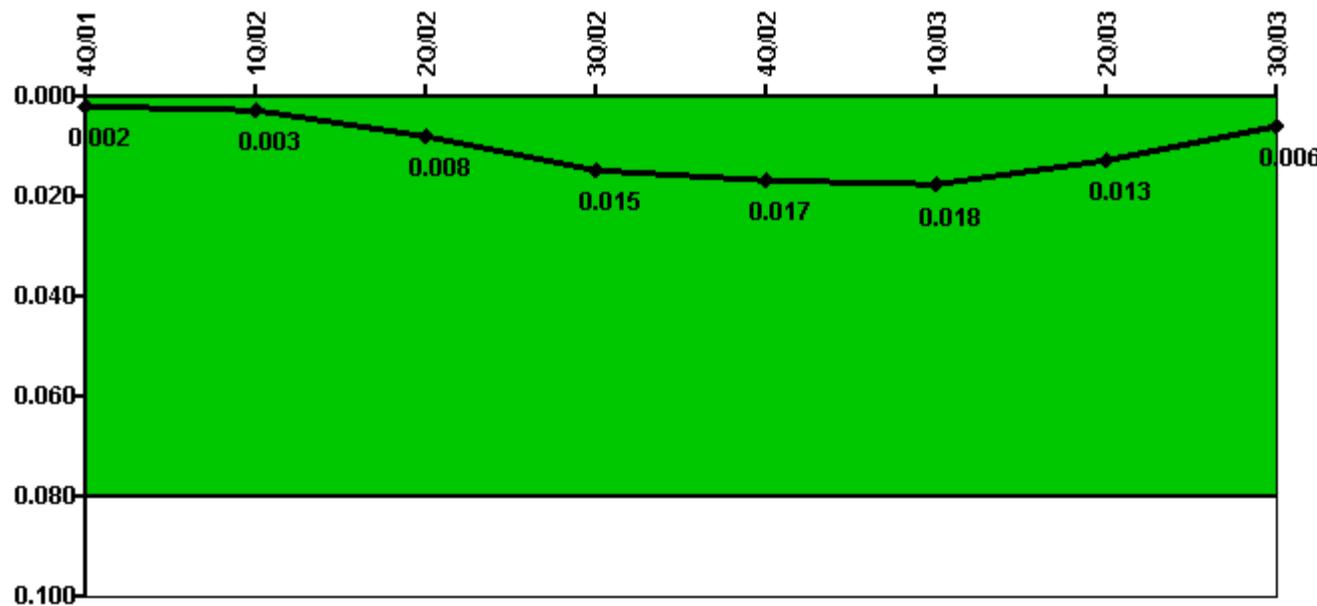
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index

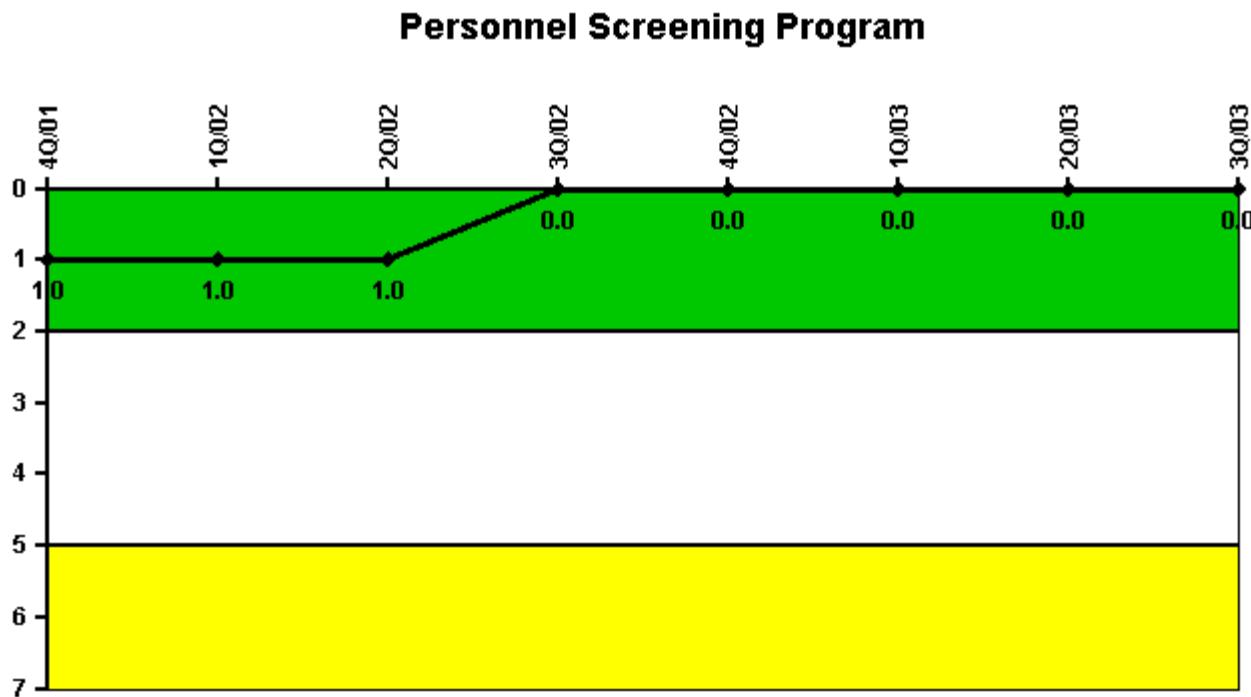


Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	20.50	20.75	14.06	142.38	48.00	43.37	11.04	0.95
CCTV compensatory hours	0	0	87.5	2.4	0	0.7	2.2	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.002</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>	<b>0.018</b>	<b>0.013</b>	<b>0.006</b>

Licensee Comments: none

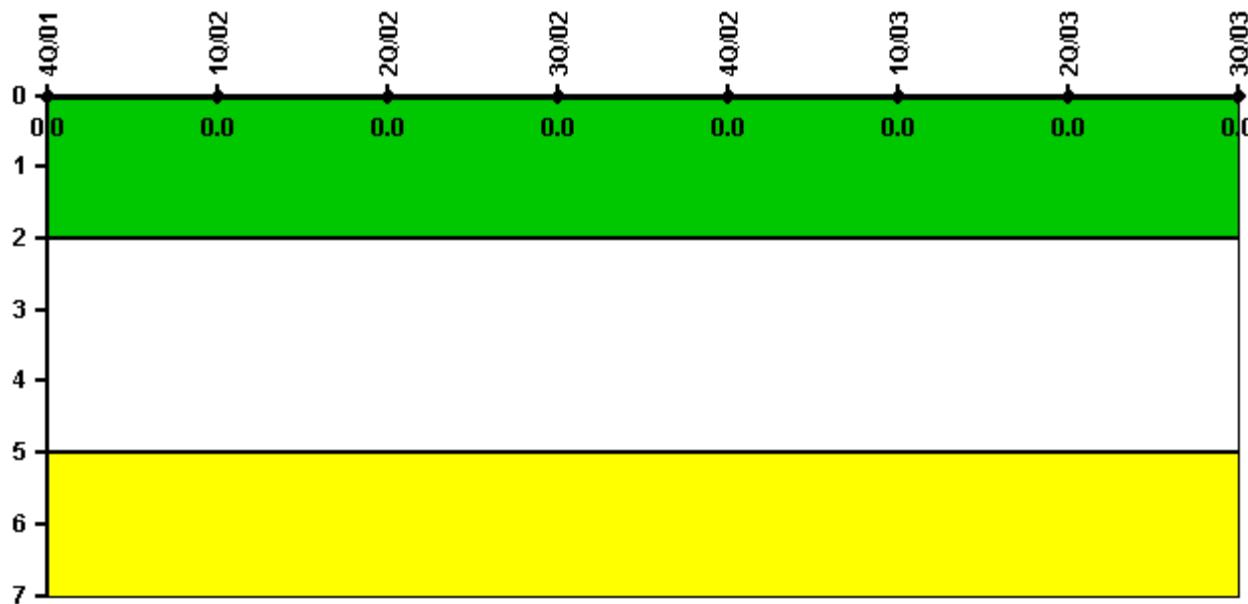


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	1	1	1	0	0	0	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

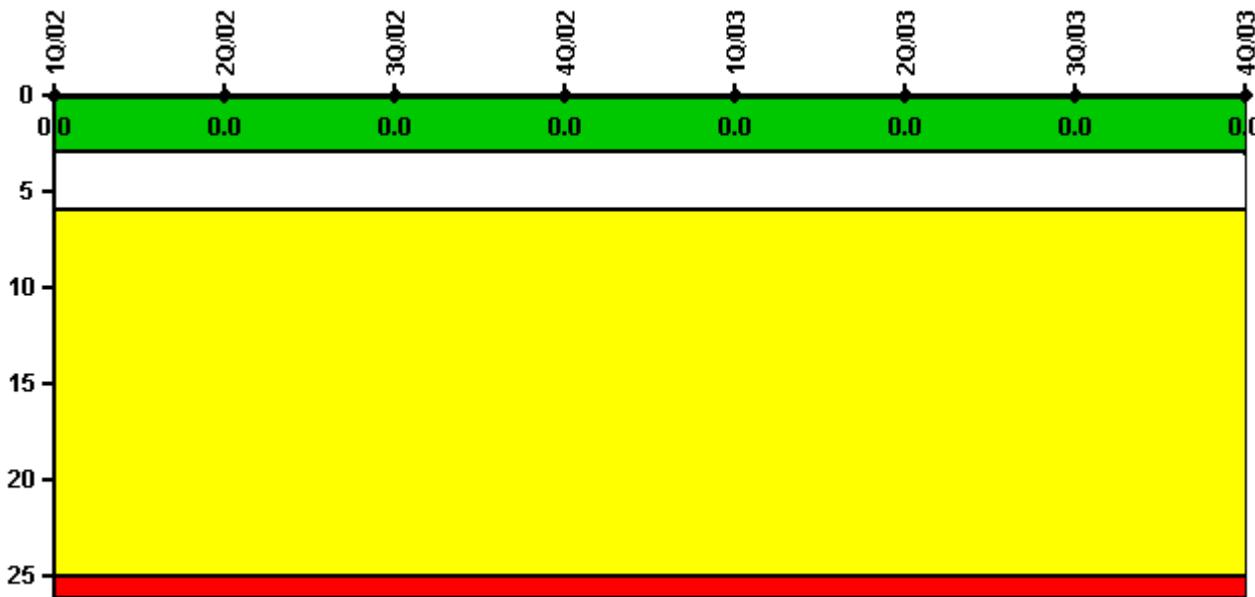
Last Modified: October 22, 2003

## Hatch 1

### 4Q/2003 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs

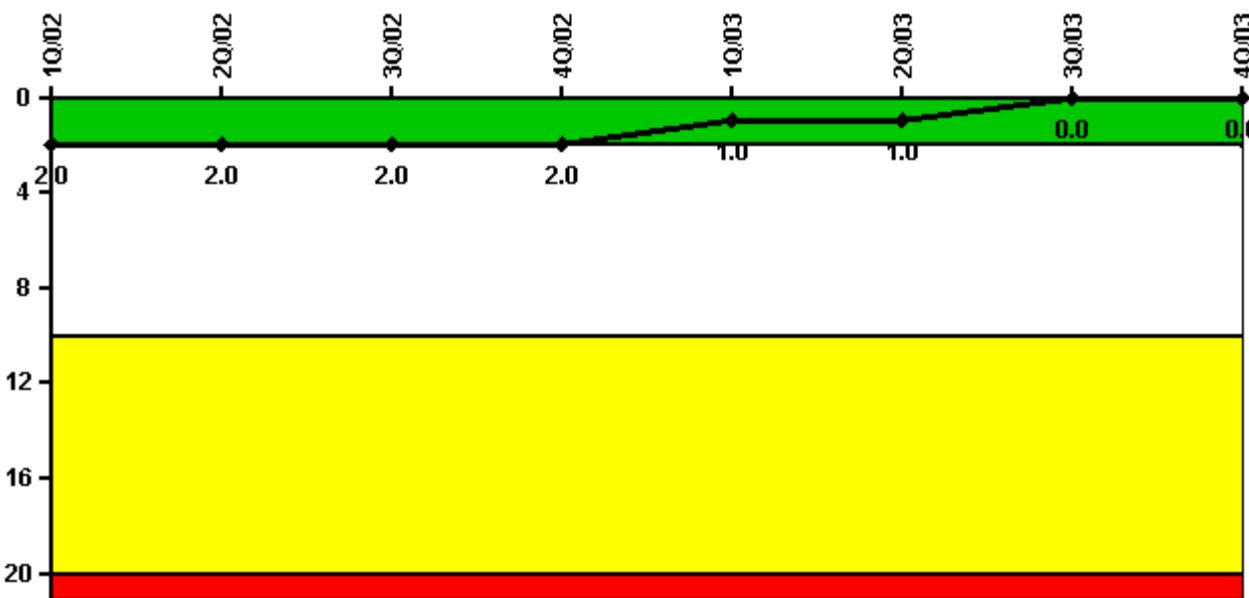


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

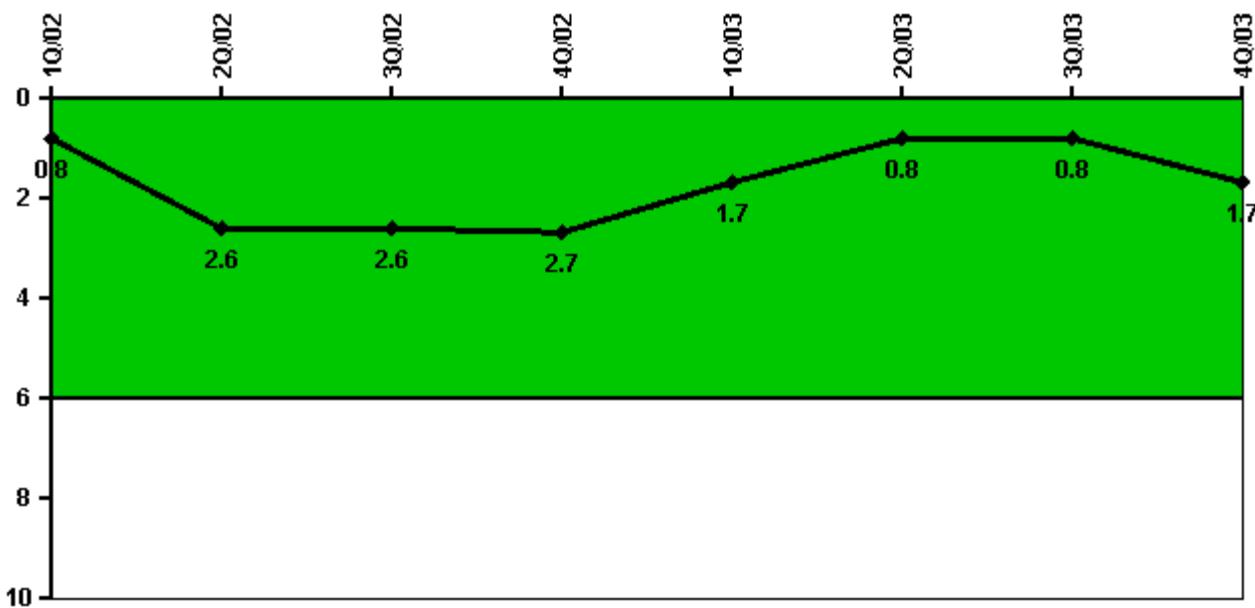
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	1.0	1.0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	1.0	2.0	0	0	0	1.0	0	1.0
Critical hours	1851.4	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0
Indicator value	0.8	2.6	2.6	2.7	1.7	0.8	0.8	1.7

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



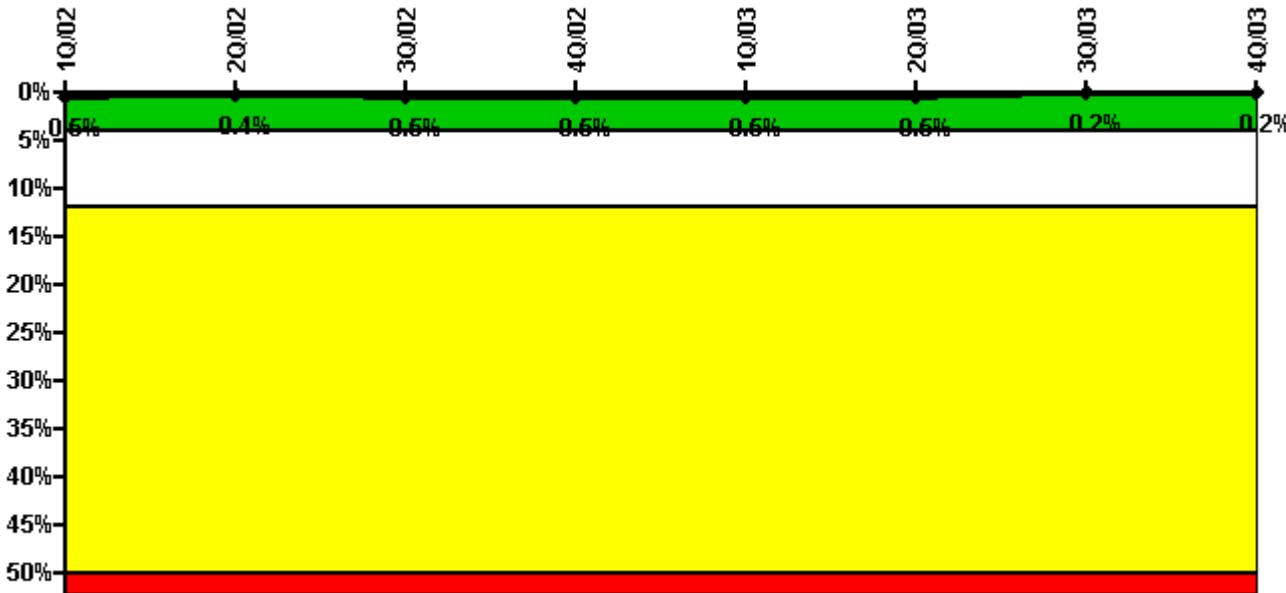
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	0.08	0	0	0	0.25	0	0	0
Unplanned unavailable hours	0	0	0	0	44.47	0	0	18.87
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0.08	0	0	0	0.43	0	14.50	15.97
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	172.83	0	0	0	6.43	39.80	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



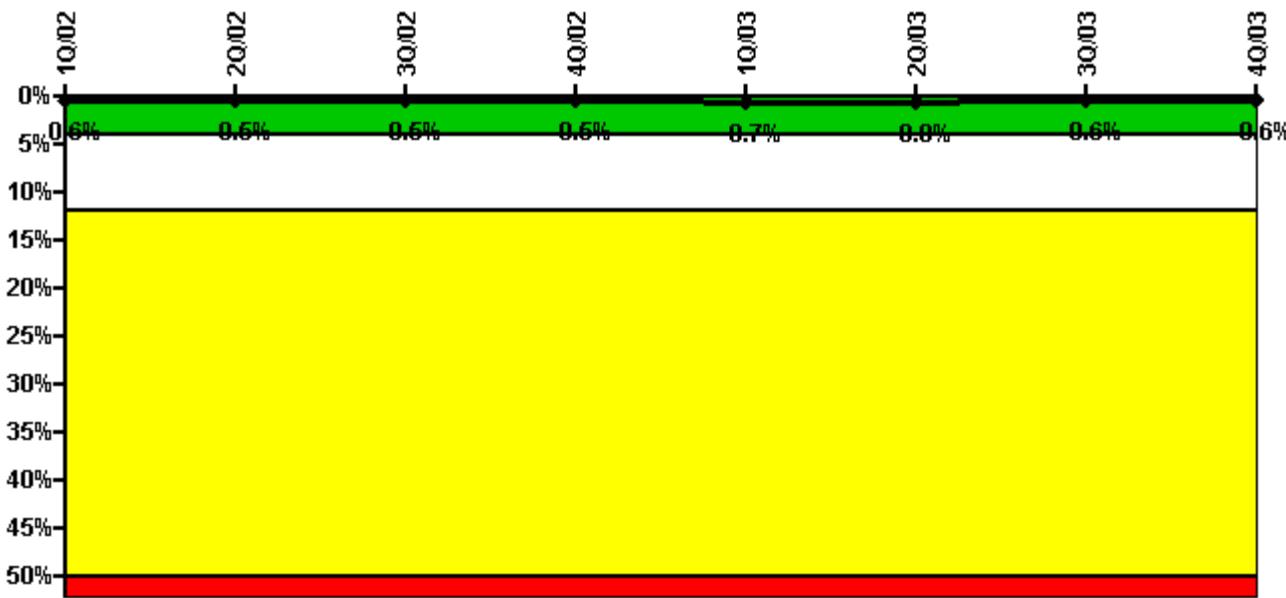
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	0	5.03	0	0	0	0
Unplanned unavailable hours	0	0	17.08	0	0	0	0	0
Fault exposure hours	0	0	11.58	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>

Licensee Comments: none

## **Safety System Unavailability, Heat Removal System (RCIC)**



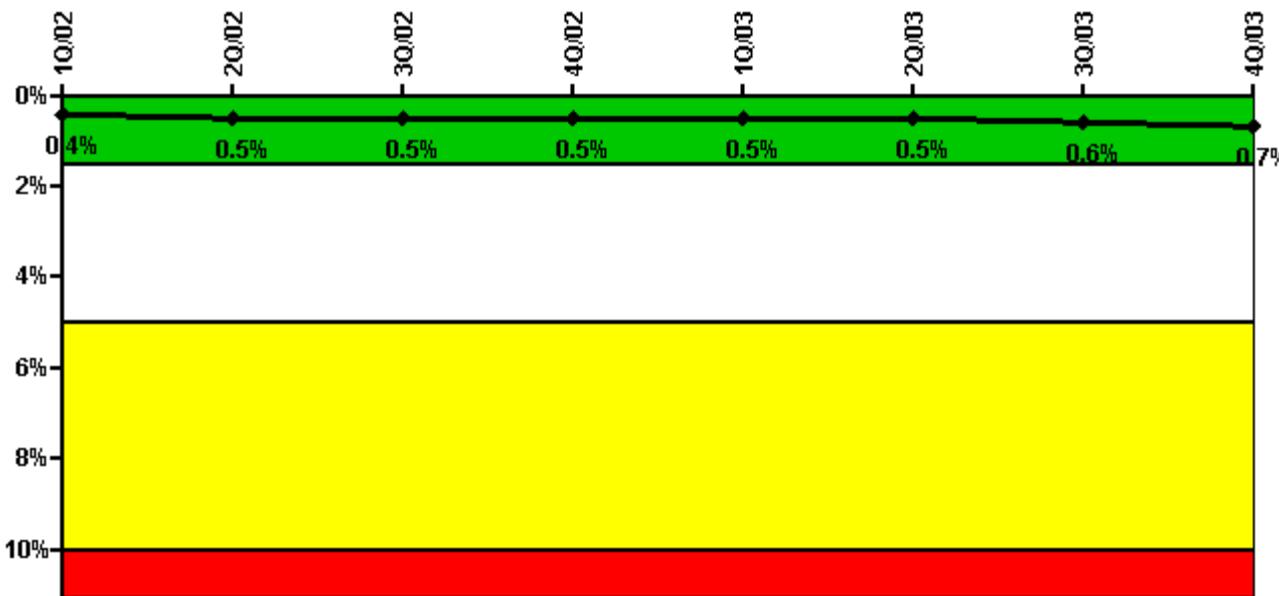
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	7.67	5.75	0.42	0.55	0.42	0.42	0.83	0.42
Unplanned unavailable hours	0	0	0	0	57.22	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1851.40	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	31.38	0	0	0	0	0	26.31	3.27
Unplanned unavailable hours	0	4.00	21.43	0	0	0	42.60	83.67
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	18.28	67.93	0	4.97	0	7.55	0	45.42
Unplanned unavailable hours	0	0.83	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>

Licensee Comments:

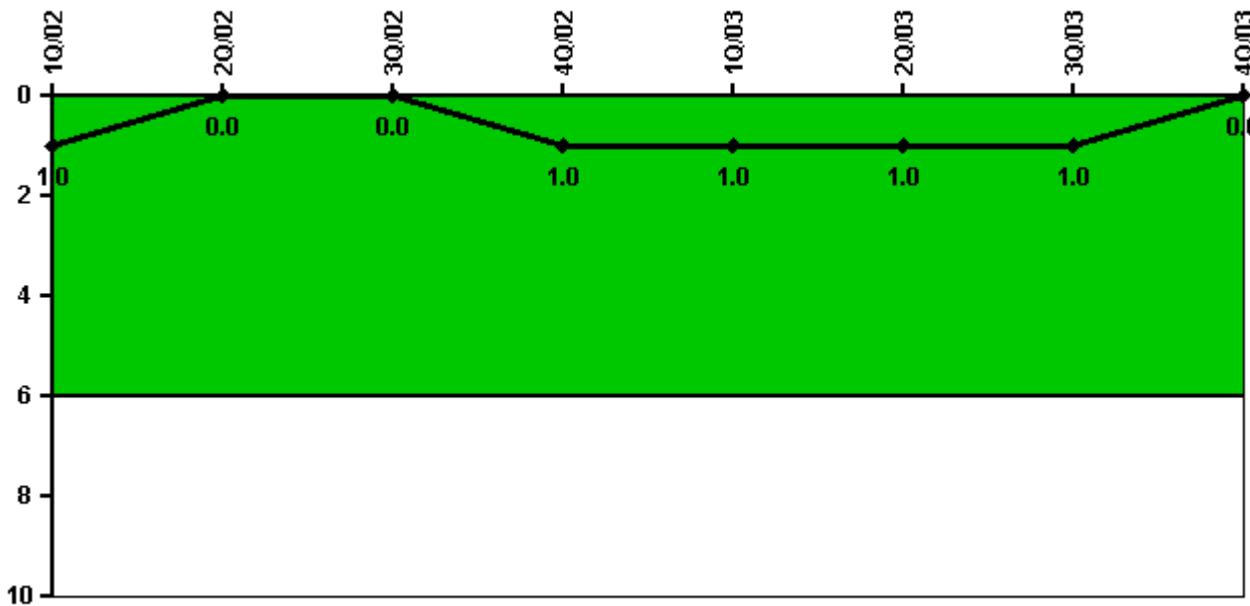
3Q/03: (4Q2003) 42.6 unplanned hours were added to August due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color.

3Q/02: Due to an engineering evaluation which concluded the removal of any one of the RHRSP pump motors would not create an overstressed condition during a seismic event, the following hours have been removed: 01/2000 (train 1) 59.667 planned hours; 04/2000 (train 2) 7.583 planned hours; 12/2001 (train 2) 126.717 unplanned hours; and 6/2002 (train 2) 30.833 planned hours. This did not affect the color of the indicator.

(4Q2003) 21.43 unplanned hours were added to July, due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color.

2Q/02: Due to an engineering evaluation, which concluded the removal of any one of the RHRSP pump motors would not create an overstressed condition during a seismic event, the 30.833 hours included in the 2Q2002 submittal were removed in the Q3/2002 sumittal. There was no affect to the color of the indicator. (4Q3003) 3.167 unplanned hours were added to May due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color.

### Safety System Functional Failures (BWR)



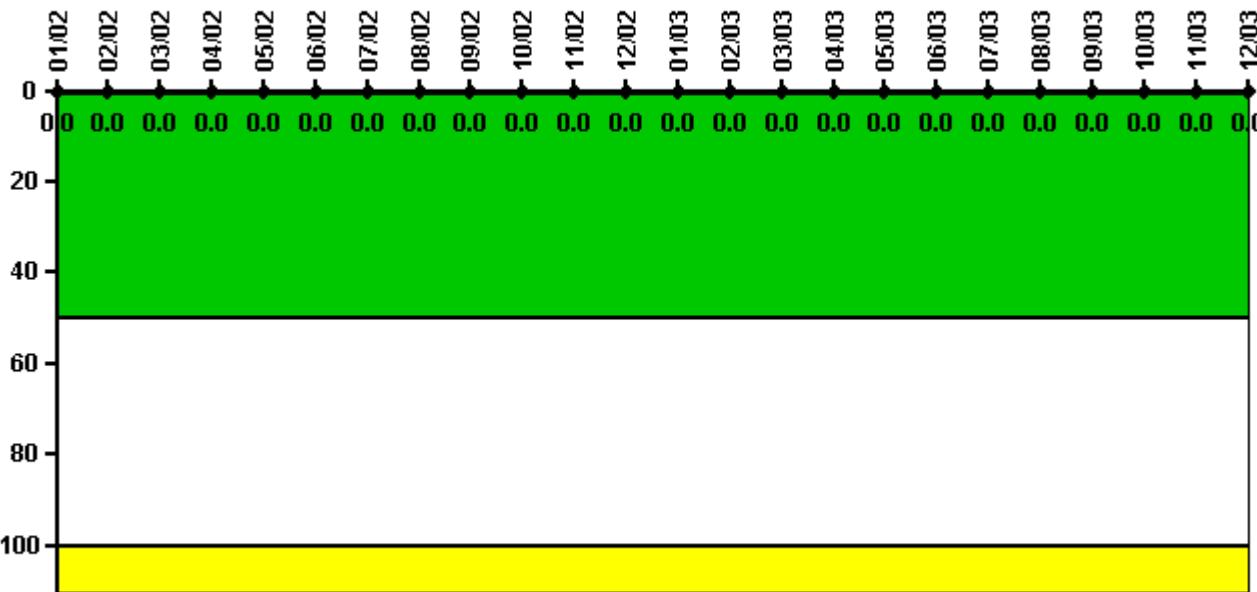
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	1	0	0	1	1	1	1	0

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000040	0.000040	0.000010	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

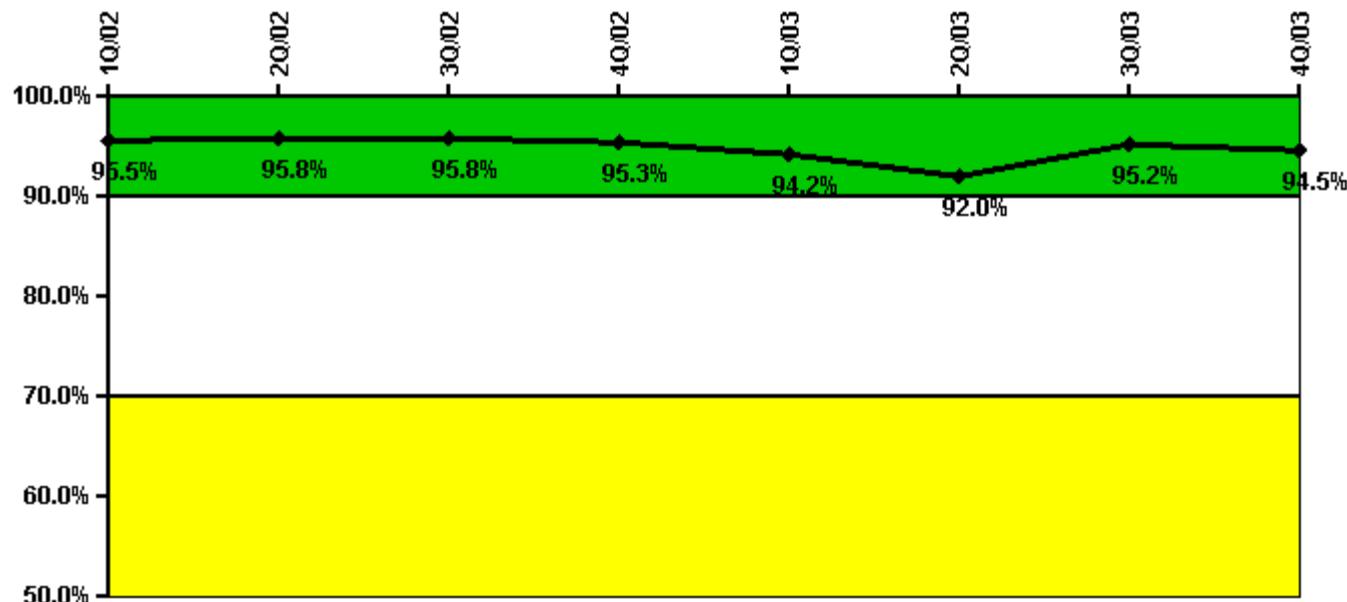
#### Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	1.440	1.720	1.720	8.910	1.820	1.580	1.620	1.590	1.640	1.610	1.560	1.560
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	4.8	5.7	5.7	29.7	6.1	5.3	5.4	5.3	5.5	5.4	5.2	5.2

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.570	1.580	1.580	1.680	1.610	1.600	1.640	1.630	1.630	1.590	1.590	1.590
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	5.2	5.3	5.3	5.6	5.4	5.3	5.5	5.4	5.4	5.3	5.3	5.3

Licensee Comments: none

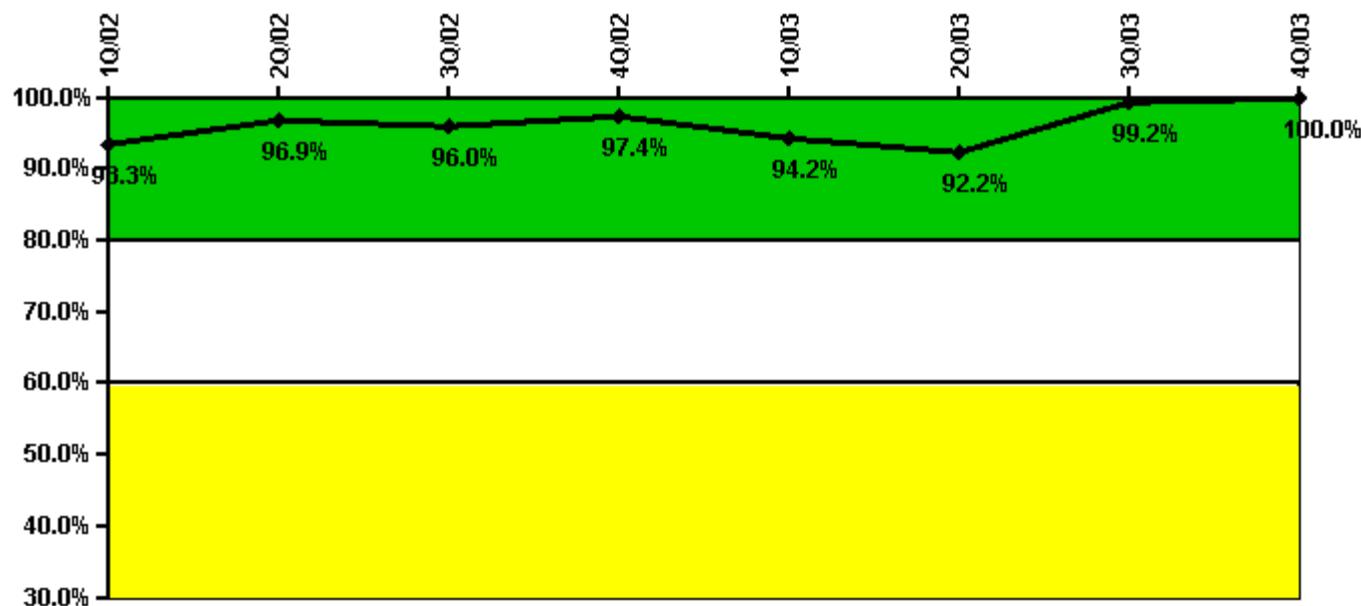
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	0	8.0	54.0	5.0	6.0	6.0	71.0	5.0
Total opportunities	0	8.0	56.0	6.0	8.0	8.0	72.0	6.0
Indicator value	95.5%	95.8%	95.8%	95.3%	94.2%	92.0%	95.2%	94.5%

Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	126.0	123.0	119.0	114.0	113.0	107.0	130.0	128.0
Total Key personnel	135.0	127.0	124.0	117.0	120.0	116.0	131.0	128.0
Indicator value	93.3%	96.9%	96.0%	97.4%	94.2%	92.2%	99.2%	100.0%

Licensee Comments: none

## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

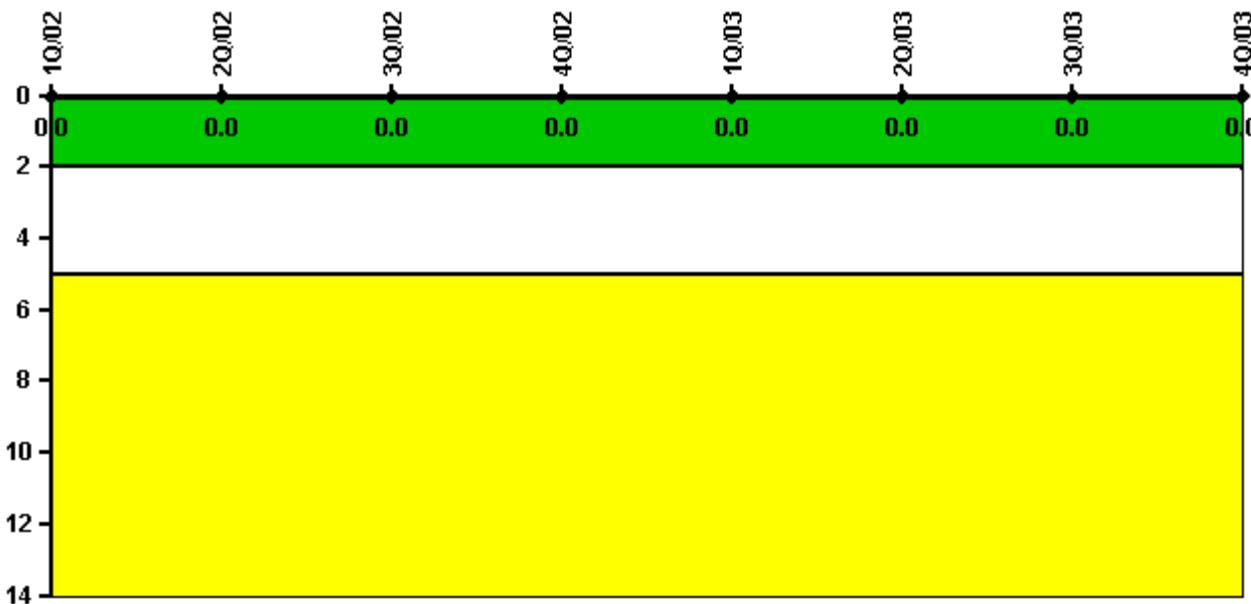
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

4Q/03: Plant Hatch does not use sirens as an emergency notification system.

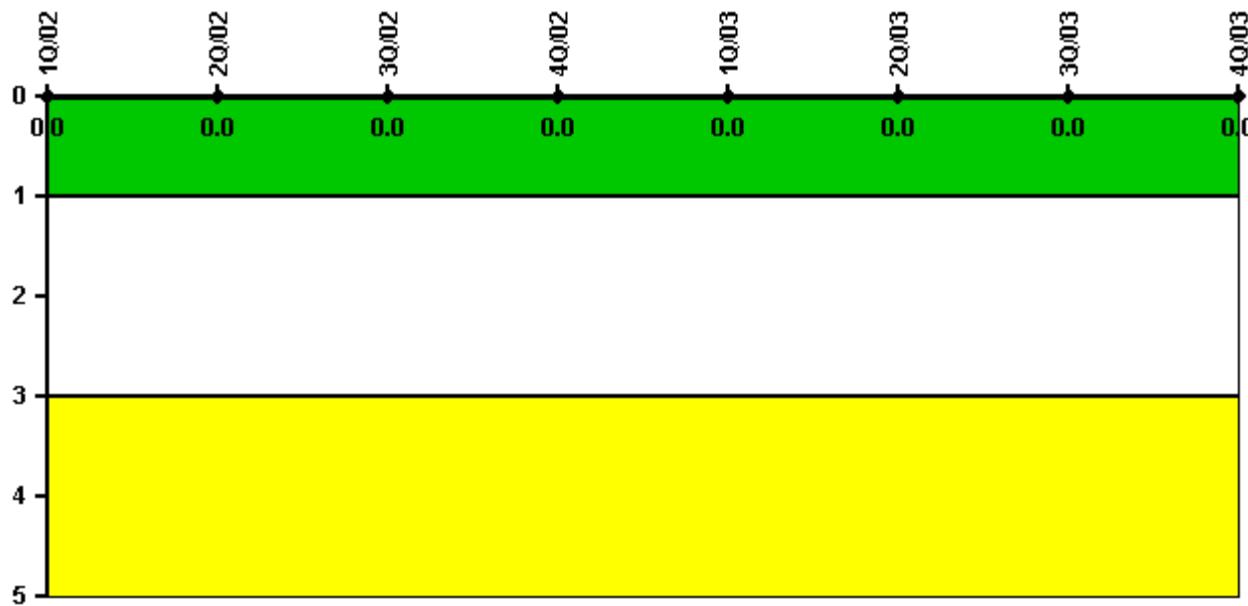
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
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

**RETS/ODCM Radiological Effluent**

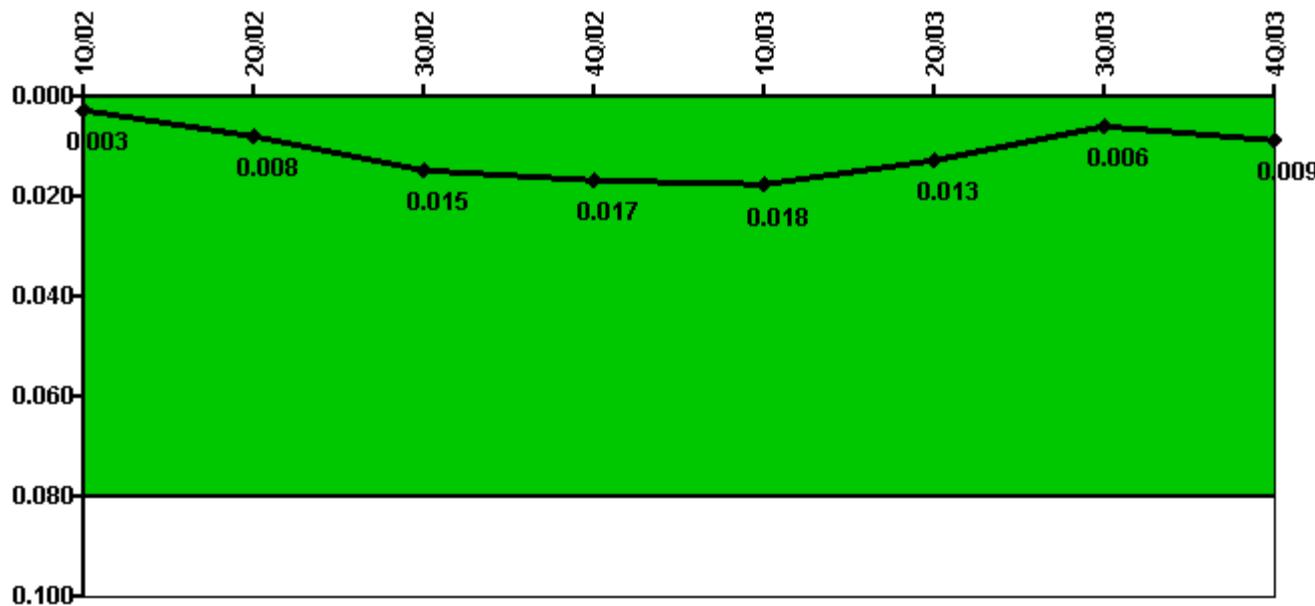
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Protected Area Security Performance Index



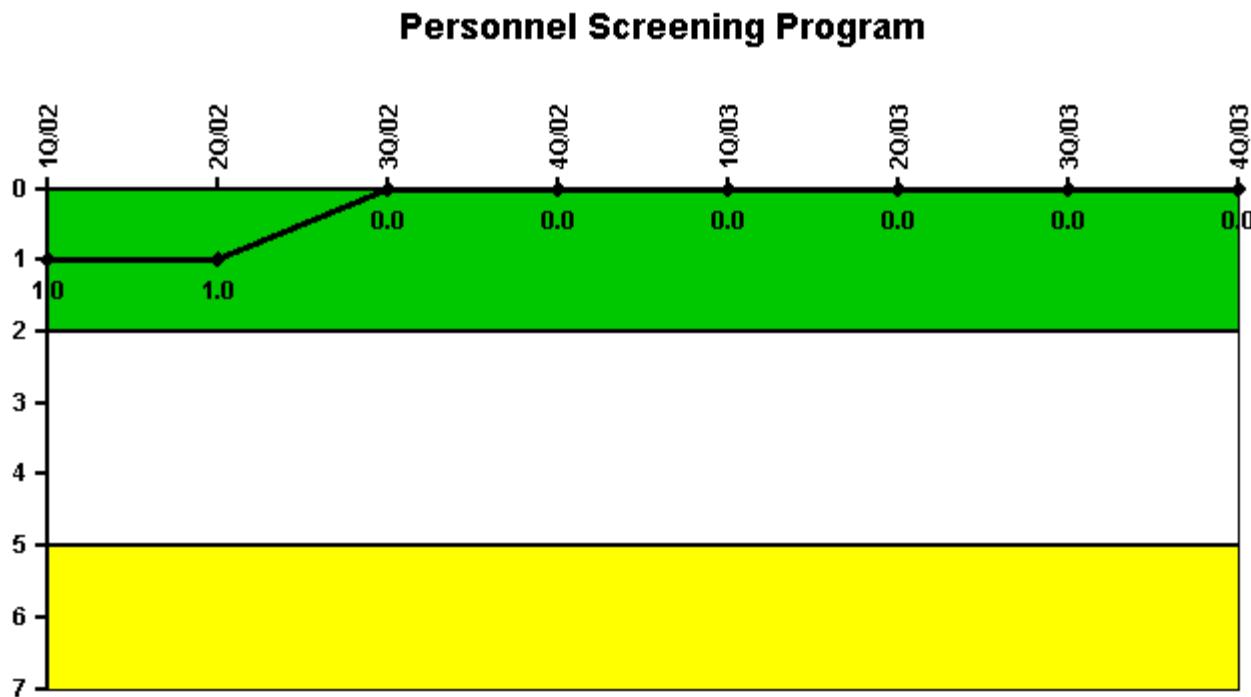
Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	20.75	14.06	142.38	48.00	43.37	11.04	0.95	111.33
CCTV compensatory hours	0	87.5	2.4	0	0.7	2.2	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.003</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>	<b>0.018</b>	<b>0.013</b>	<b>0.006</b>	<b>0.009</b>

Licensee Comments: none

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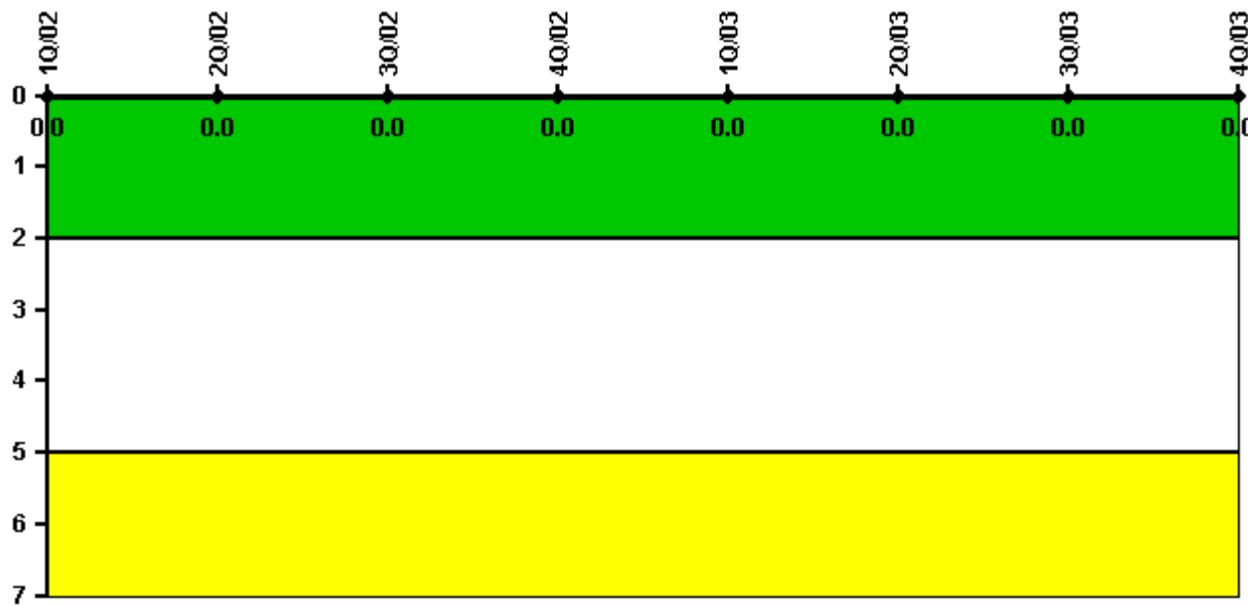


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	1	1	0	0	0	0	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



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

Last Modified: January 23, 2004

**Hatch 1****1Q/2004 Performance Indicators**

Licensee's General Comments: none

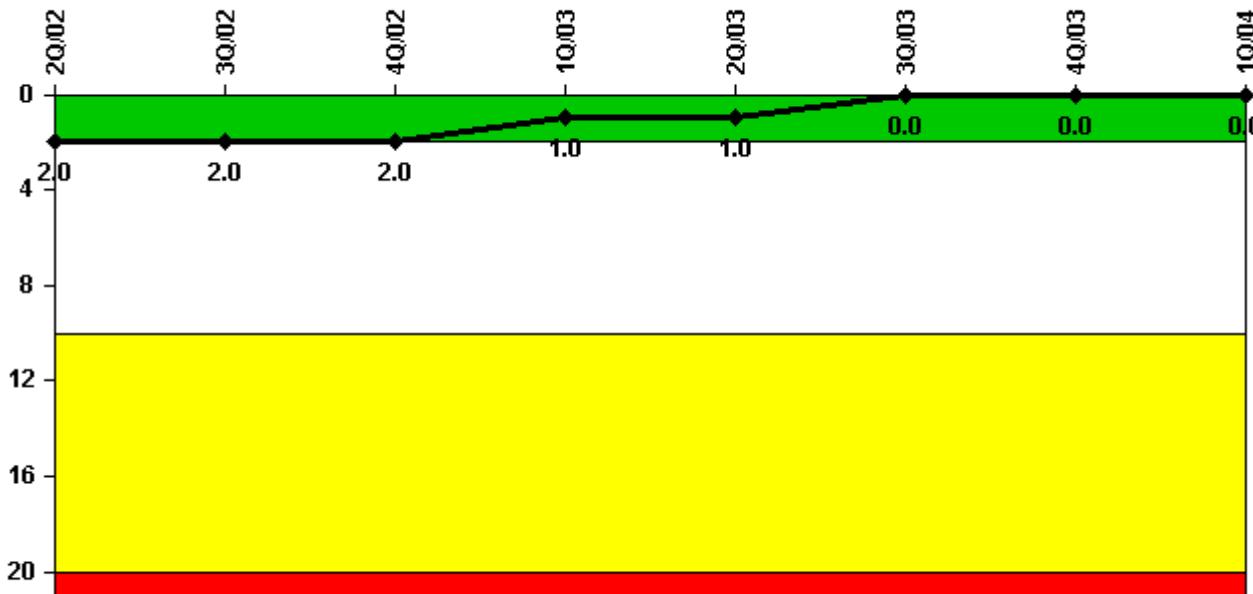
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

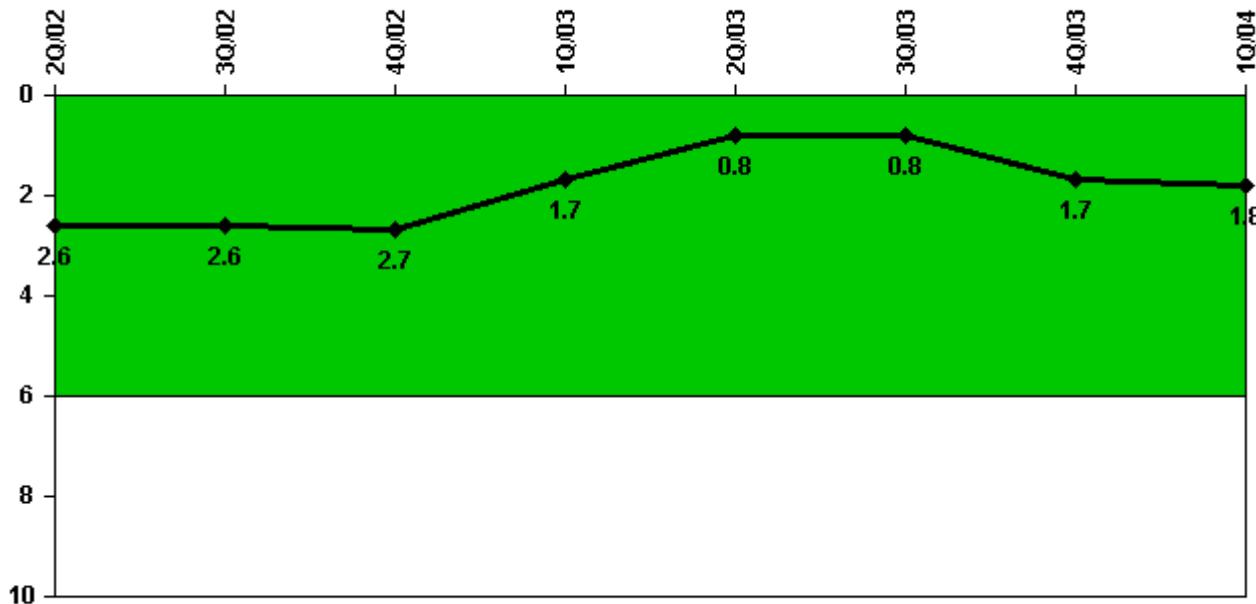
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



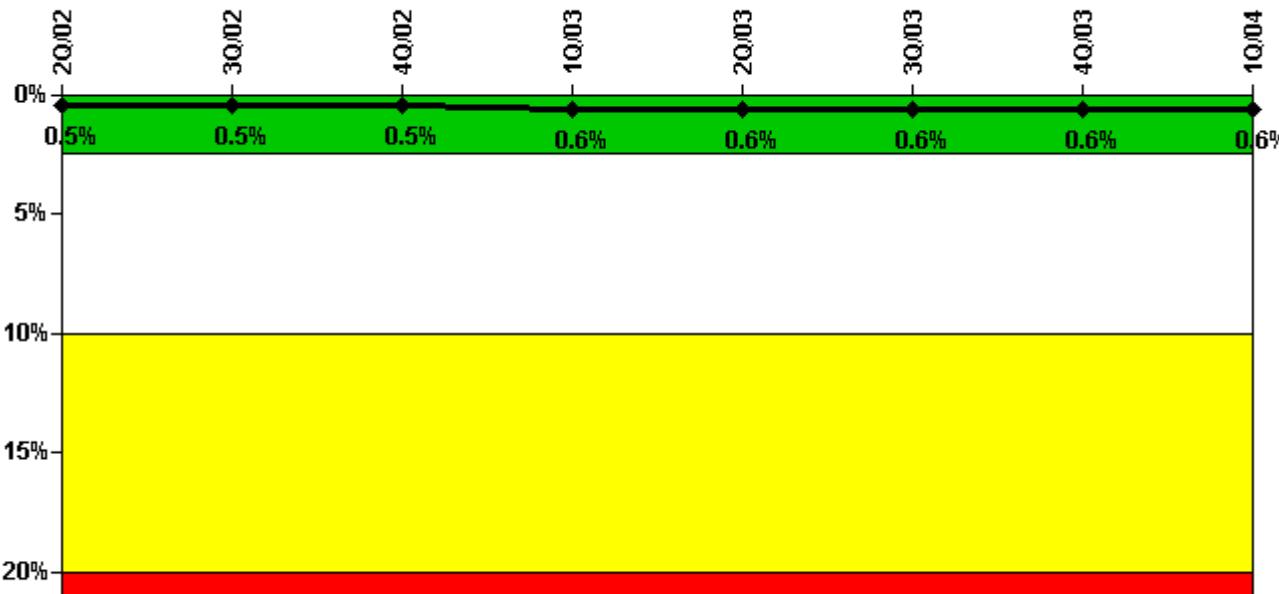
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	2.0	0	0	0	1.0	0	1.0	0
Critical hours	1718.4	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1
Indicator value	<b>2.6</b>	<b>2.6</b>	<b>2.7</b>	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0.25	0	0	0	0
Unplanned unavailable hours	0	0	0	44.47	0	0	18.87	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	0.43	0	14.50	15.97	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 3</b>								
Planned unavailable hours	0	0	0	6.43	39.80	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	5.03	0	0	0	0	0
Unplanned unavailable hours	0	17.08	0	0	0	0	0	0
Fault exposure hours	0	11.58	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



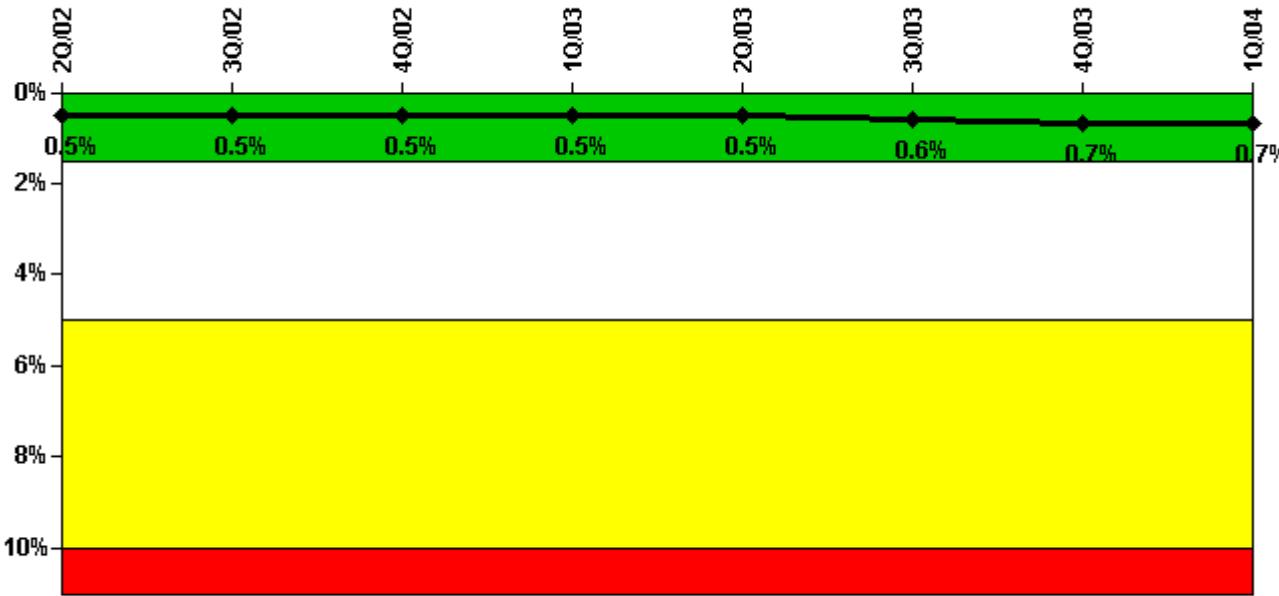
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	5.75	0.42	0.55	0.42	0.42	0.83	0.42	5.91
Unplanned unavailable hours	0	0	0	57.22	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1718.42	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	26.31	3.27	0
Unplanned unavailable hours	0.83	0	0	0	0	0	0	0
Fault exposure hours	3.17	21.43	0	0	0	42.60	83.67	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>								
Planned unavailable hours	67.93	0	4.97	0	7.55	0	45.42	11.66
Unplanned unavailable hours	0.83	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>

### Licensee Comments:

4Q/03: (1Q2004) There has been a change to the hours previously reported for the time the 'A' RHRSP pump was unavailable due to the discovery of the 'C' RHRSP pump being INOP due to corroded anchor bolt nuts. After further review, it was determined the out of service hours should be classified as Fault Exposure Hours instead of Unplanned hours. This was due to the system being in an undetected inoperable condition. This affected 83.667 hours in November 2003. This does not affect the color of the indicator.

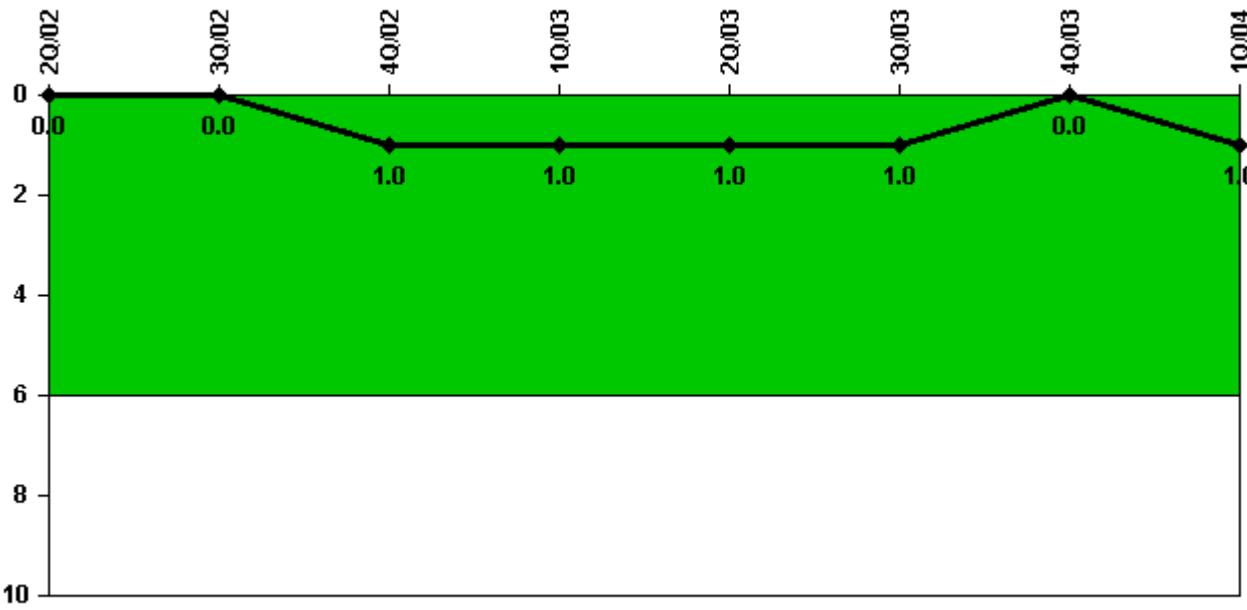
3Q/03: (4Q2003) 42.6 unplanned hours were added to August due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color. (1Q2004) There has been a change to the hours previously reported for the time the 'A' RHRSP pump was unavailable due to the discovery of the 'C' RHRSP pump being INOP due to corroded anchor bolt nuts. After further review, it was determined the out of service hours should be classified as Fault Exposure Hours instead of Unplanned hours. This was due to the system being in an undetected inoperable condition. This affected 42.6 hours in August 2003. This does not affect the color of the indicator.

3Q/02: Due to an engineering evaluation which concluded the removal of any one of the RHRSP pump motors would not create an overstressed condition during a seismic event, the following hours have been removed: 01/2000 (train 1) 59.667

planned hours; 04/2000 (train 2) 7.583 planned hours; 12/2001 (train 2) 126.717 unplanned hours; and 6/2002 (train 2) 30.833 planned hours. This did not affect the color of the indicator. (4Q2003) 21.43 unplanned hours were added to July, due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color. (1Q2004) There has been a change to the hours previously reported for the time the 'A' RHRSP pump was unavailable due to the discovery of the 'C' RHRSP pump being INOP due to corroded anchor bolt nuts. After further review, it was determined the out of service hours should be classified as Fault Exposure Hours instead of Unplanned hours. This was due to the system being in an undetected inoperable condition. This affected 21.433 hours in July 2002. This does not affect the color of the indicator.

2Q/02: Due to an engineering evaluation, which concluded the removal of any one of the RHRSP pump motors would not create an overstressed condition during a seismic event, the 30.833 hours included in the 2Q2002 submittal were removed in the Q3/2002 sumittal. There was no affect to the color of the indicator. (4Q2003) 3.167 unplanned hours were added to May due to the discovery of the 'C' RHRSP pump being inop since the last RFO (4/23/02) due to corroded anchor bolt nuts. The 'A' RHRSP pump was also unavailable at various times during this period. There was no change in indicator color. (1Q2004) There has been a change to the hours previously reported for the time the 'A' RHRSP pump was unavailable due to the discovery of the 'C' RHRSP pump being INOP due to corroded anchor bolt nuts. After further review, it was determined the out of service hours should be classified as Fault Exposure Hours instead of Unplanned hours. This was due to the system being in an undetected inoperable condition. This affected 3.167 hours in May 2002. This does not affect the color of the indicator.

### Safety System Functional Failures (BWR)



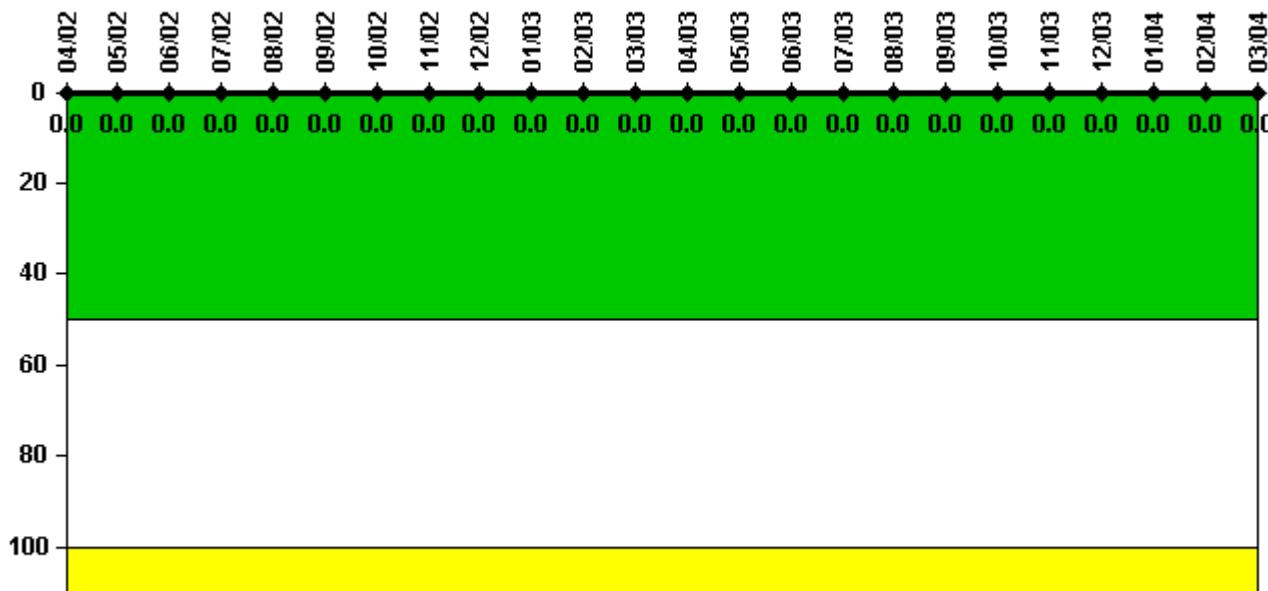
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	1	0	0	0	0	1
Indicator value	0	0	1	1	1	1	0	1

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

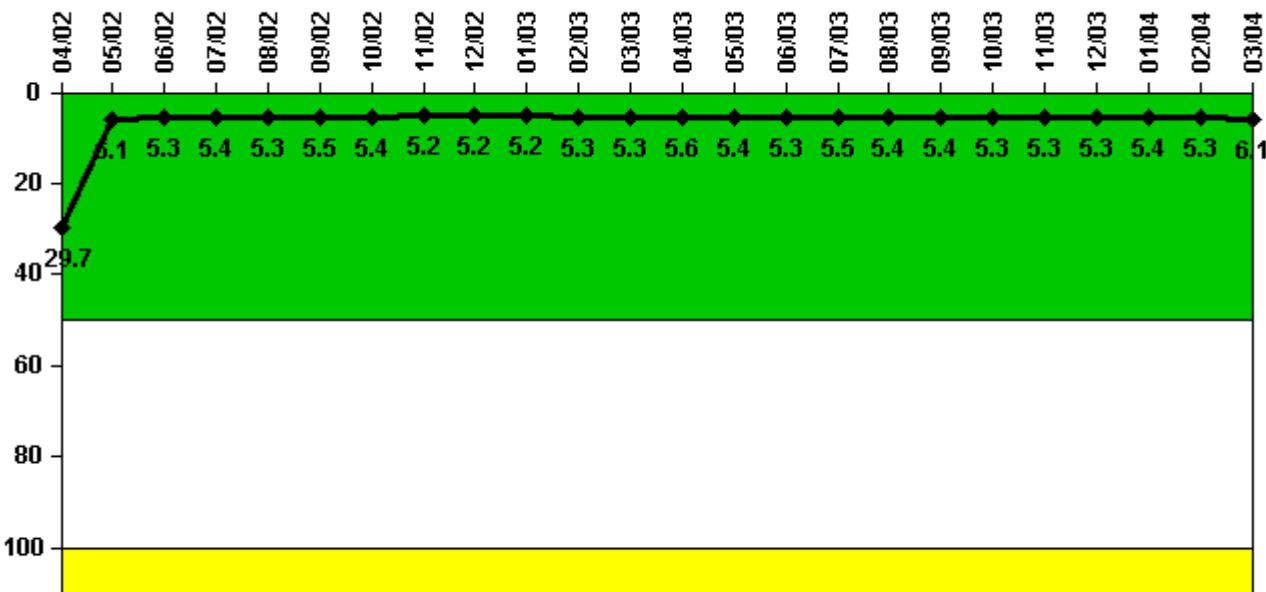
Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000004	0.000003	0.000060	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

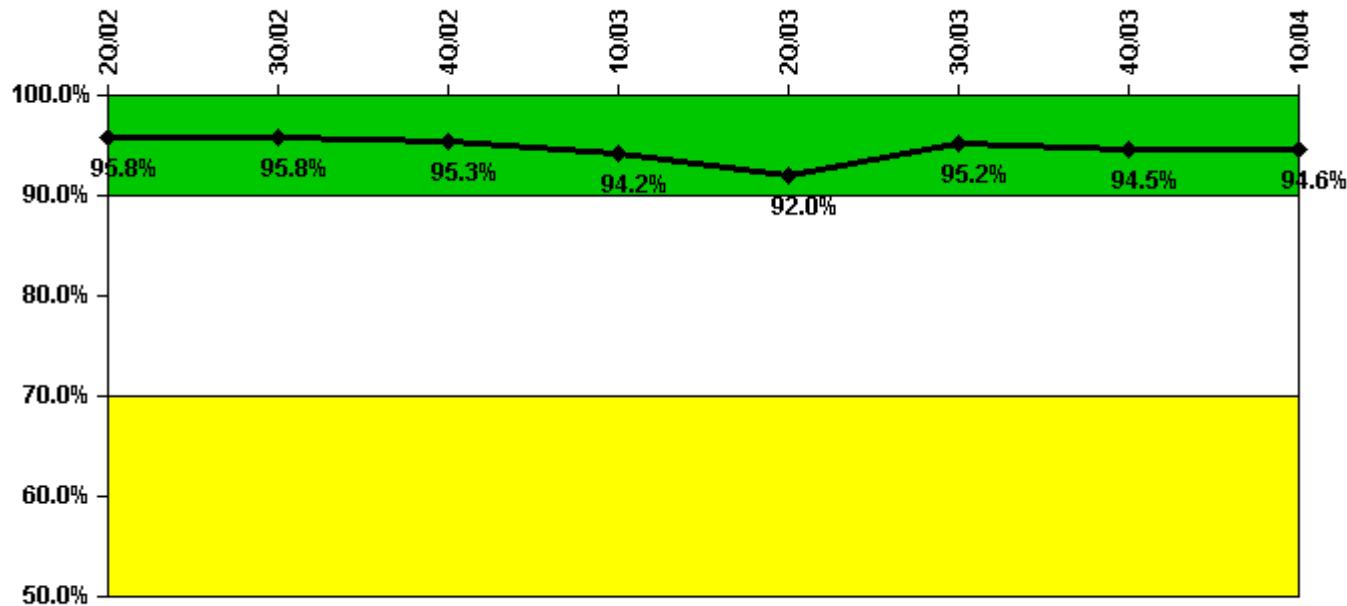
### Notes

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	8.910	1.820	1.580	1.620	1.590	1.640	1.610	1.560	1.560	1.570	1.580	1.580
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	<b>29.7</b>	<b>6.1</b>	<b>5.3</b>	<b>5.4</b>	<b>5.3</b>	<b>5.5</b>	<b>5.4</b>	<b>5.2</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.3</b>

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	1.680	1.610	1.600	1.640	1.630	1.630	1.590	1.590	1.590	1.630	1.580	1.820
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	<b>5.6</b>	<b>5.4</b>	<b>5.3</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.4</b>	<b>5.3</b>	<b>6.1</b>

Licensee Comments: none

**Drill/Exercise Performance**

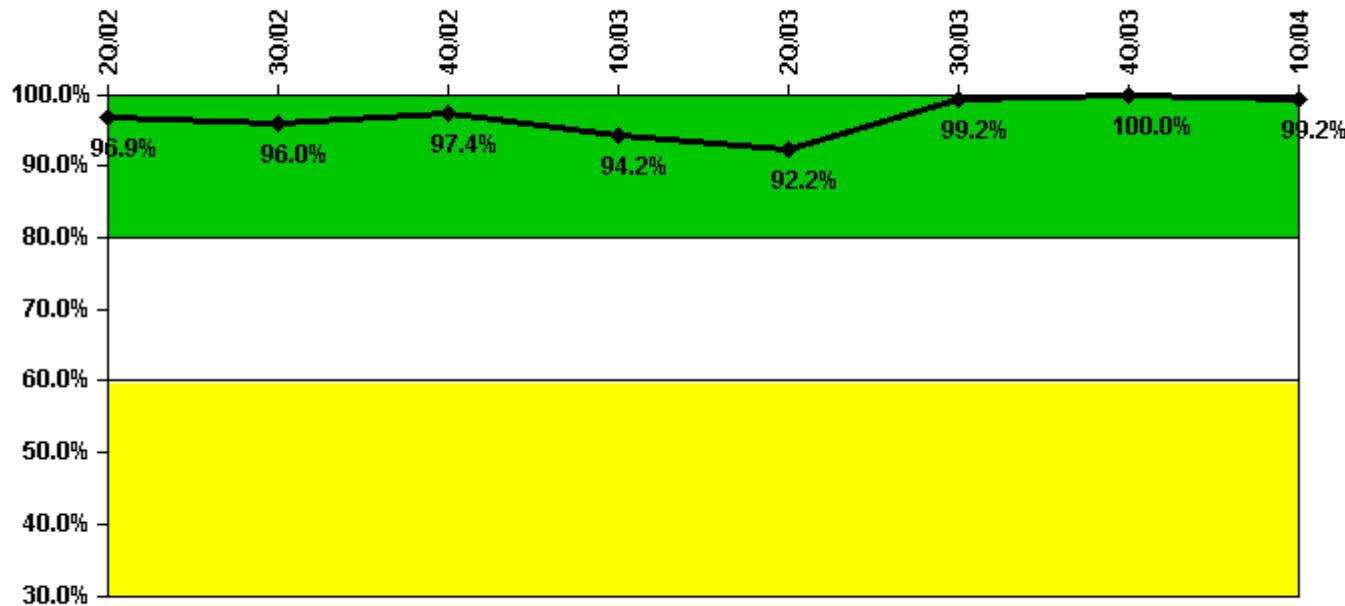
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	8.0	54.0	5.0	6.0	6.0	71.0	5.0	2.0
Total opportunities	8.0	56.0	6.0	8.0	8.0	72.0	6.0	2.0
Indicator value	95.8%	95.8%	95.3%	94.2%	92.0%	95.2%	94.5%	94.6%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	123.0	119.0	114.0	113.0	107.0	130.0	128.0	119.0
Total Key personnel	127.0	124.0	117.0	120.0	116.0	131.0	128.0	120.0
Indicator value	96.9%	96.0%	97.4%	94.2%	92.2%	99.2%	100.0%	99.2%

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

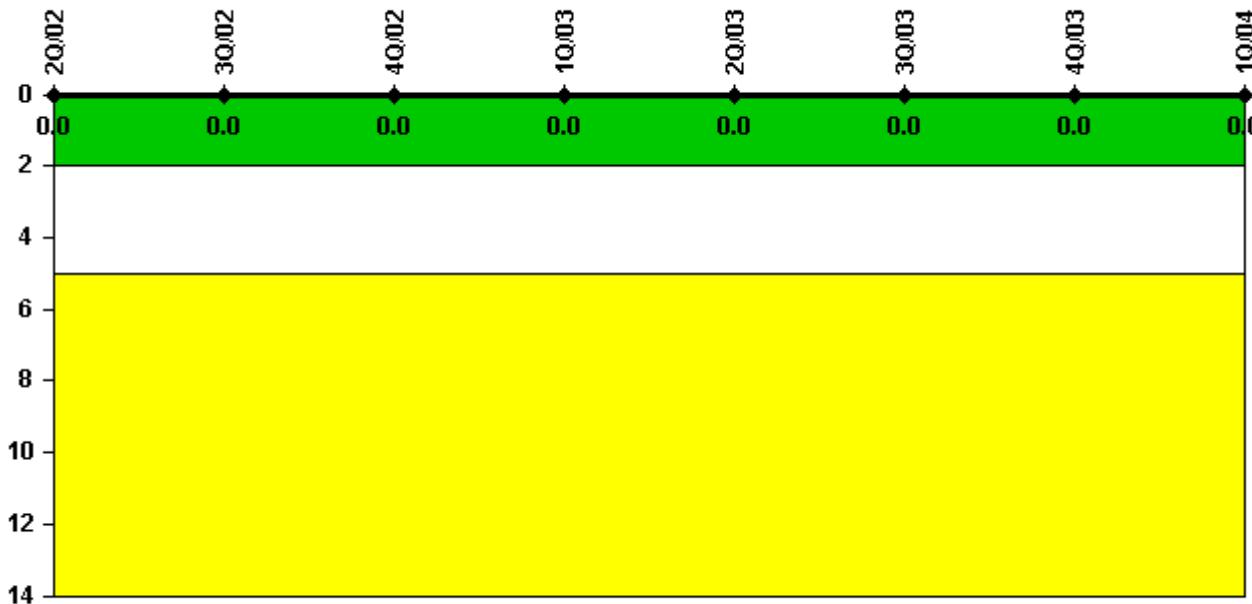
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

1Q/04: Plant Hatch does not use sirens as an emergency notification system.

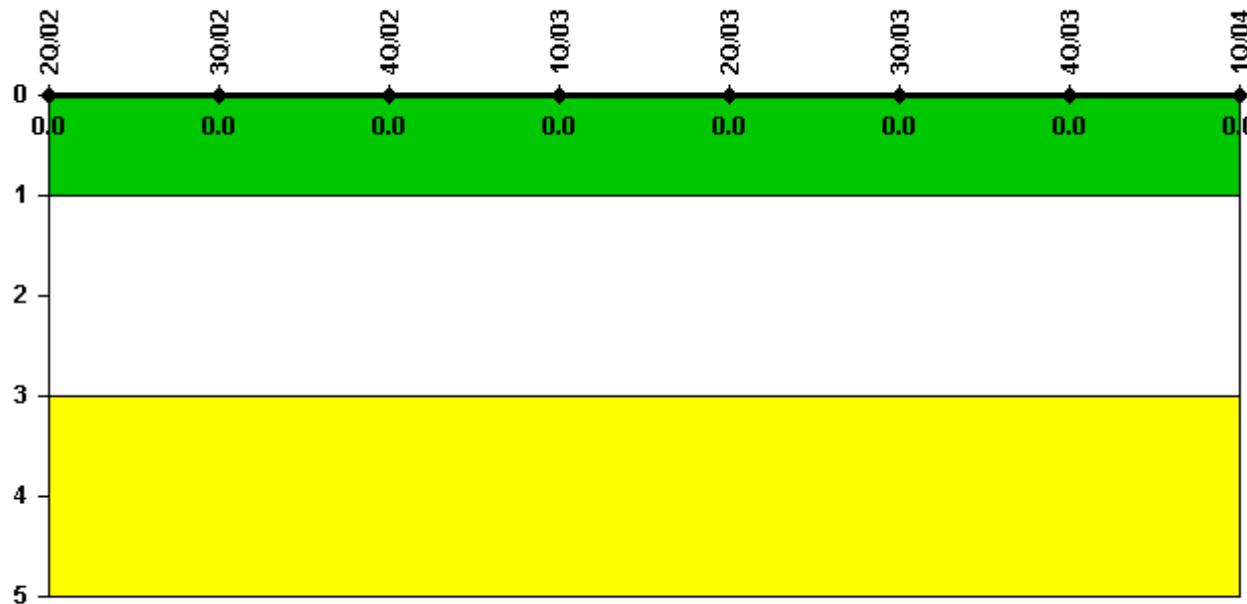
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
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

**RETS/ODCM Radiological Effluent**

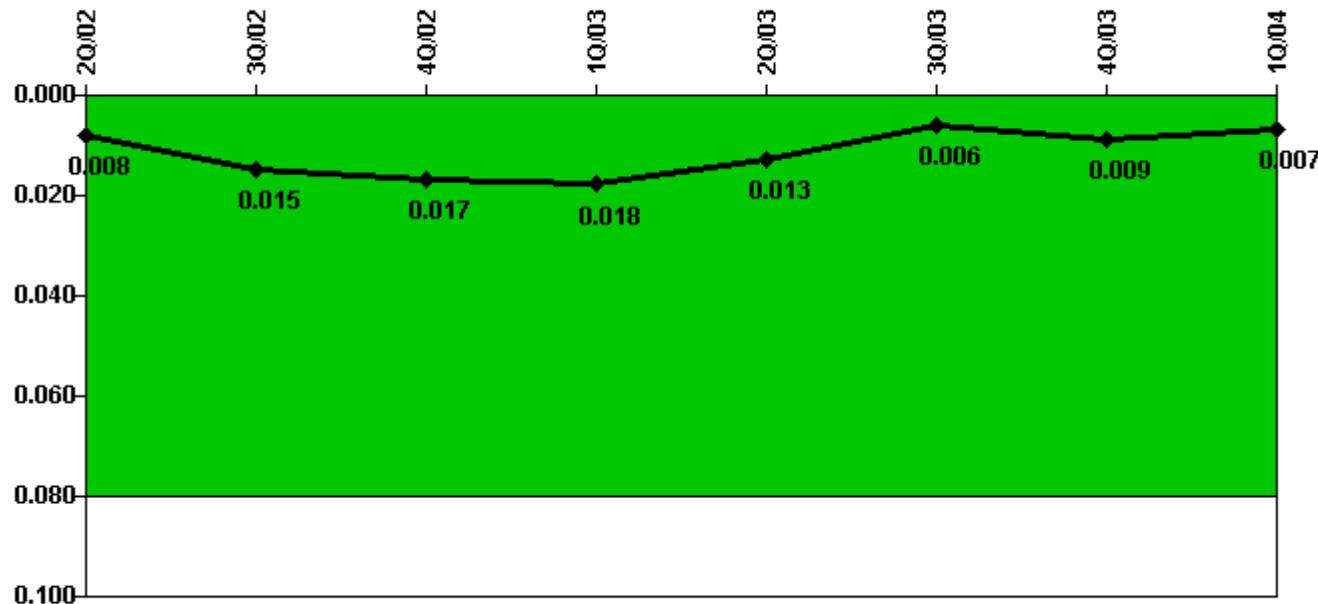
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Protected Area Security Performance Index

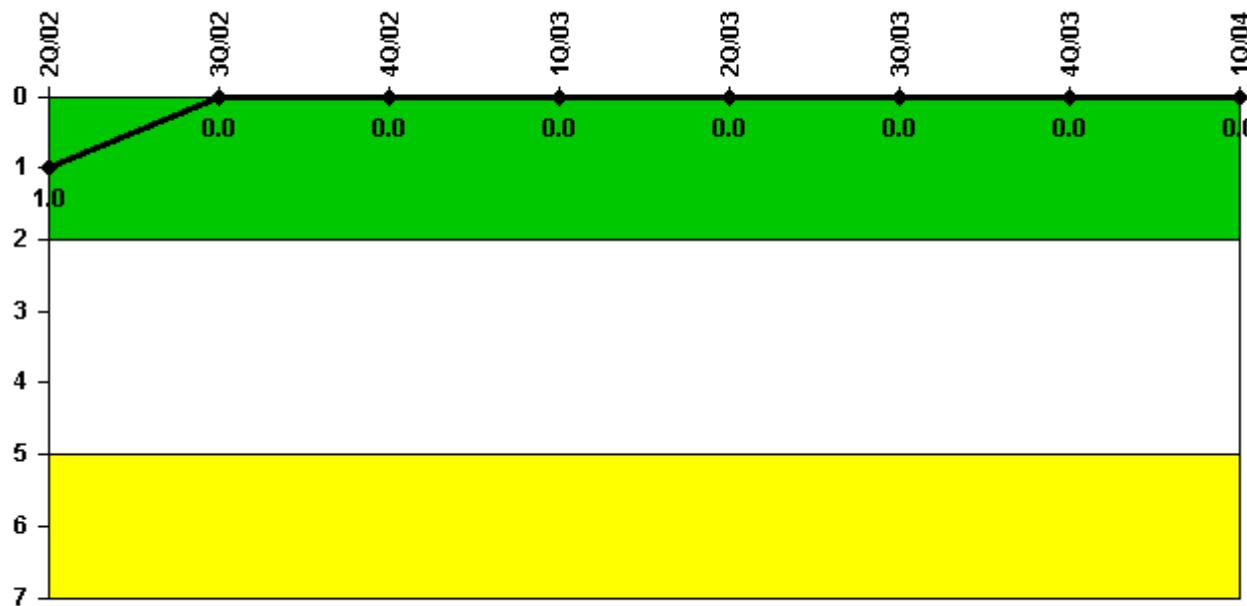


Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	14.06	142.38	48.00	43.37	11.04	0.95	111.33	0
CCTV compensatory hours	87.5	2.4	0	0.7	2.2	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.008</b>	<b>0.015</b>	<b>0.017</b>	<b>0.018</b>	<b>0.013</b>	<b>0.006</b>	<b>0.009</b>	<b>0.007</b>

Licensee Comments: none

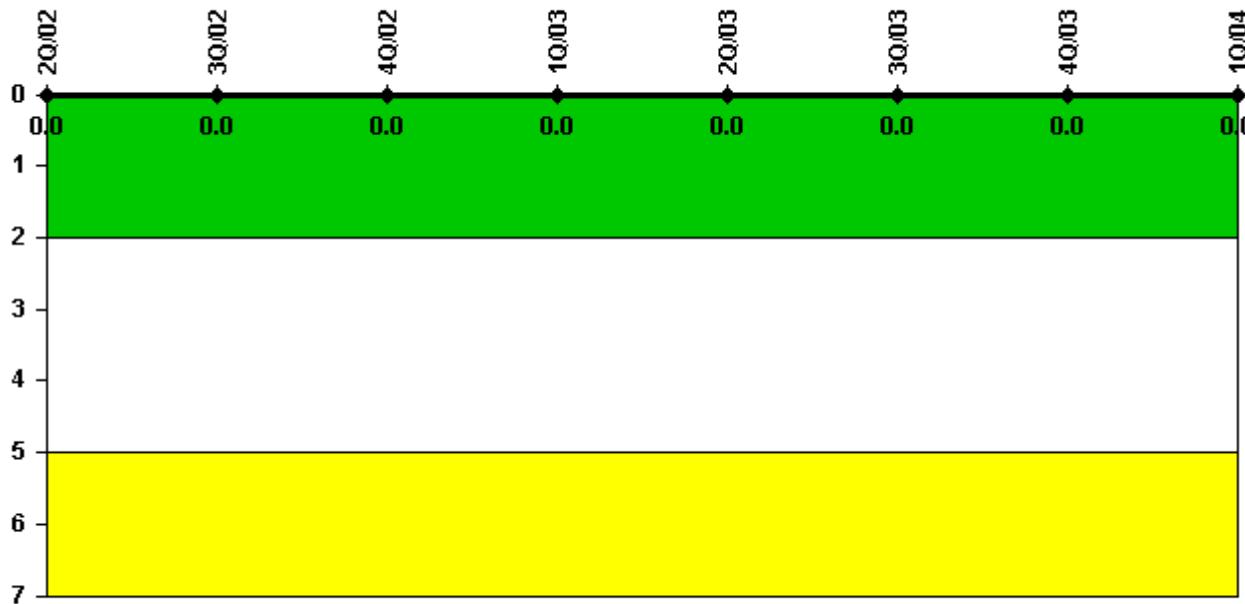
**Personnel Screening Program**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Personnel Screening Program	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments: none

**FFD/Personnel Reliability**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

FFD/Personnel Reliability	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program Failures	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none



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

Last Modified: April 22, 2004

**Hatch 1****2Q/2004 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

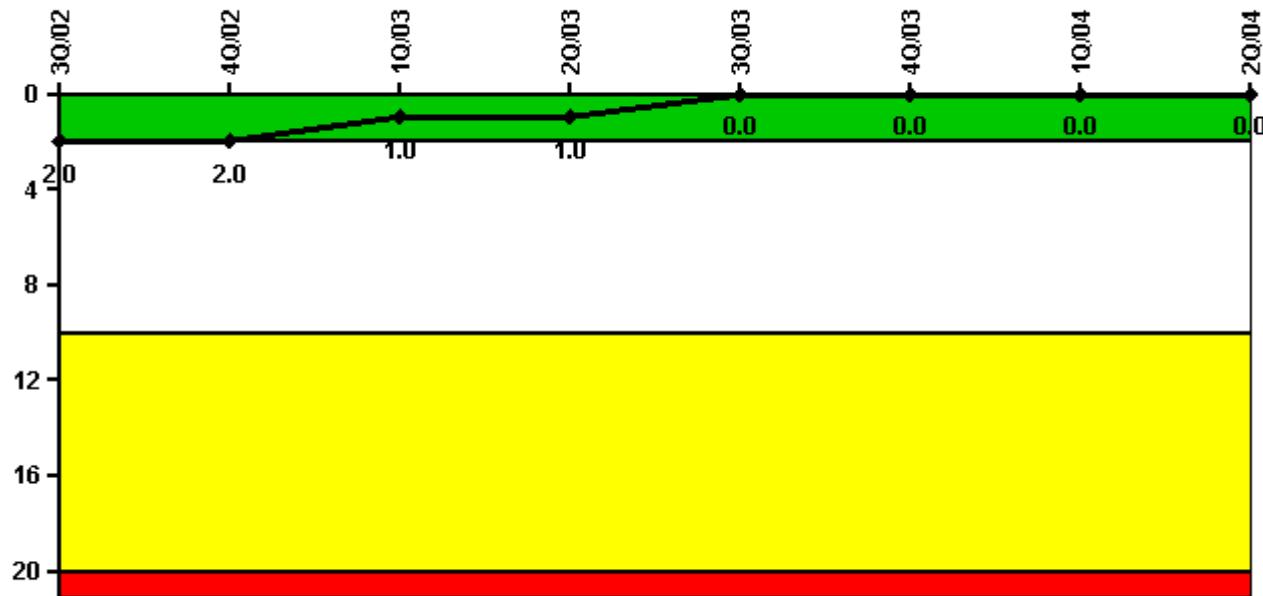
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



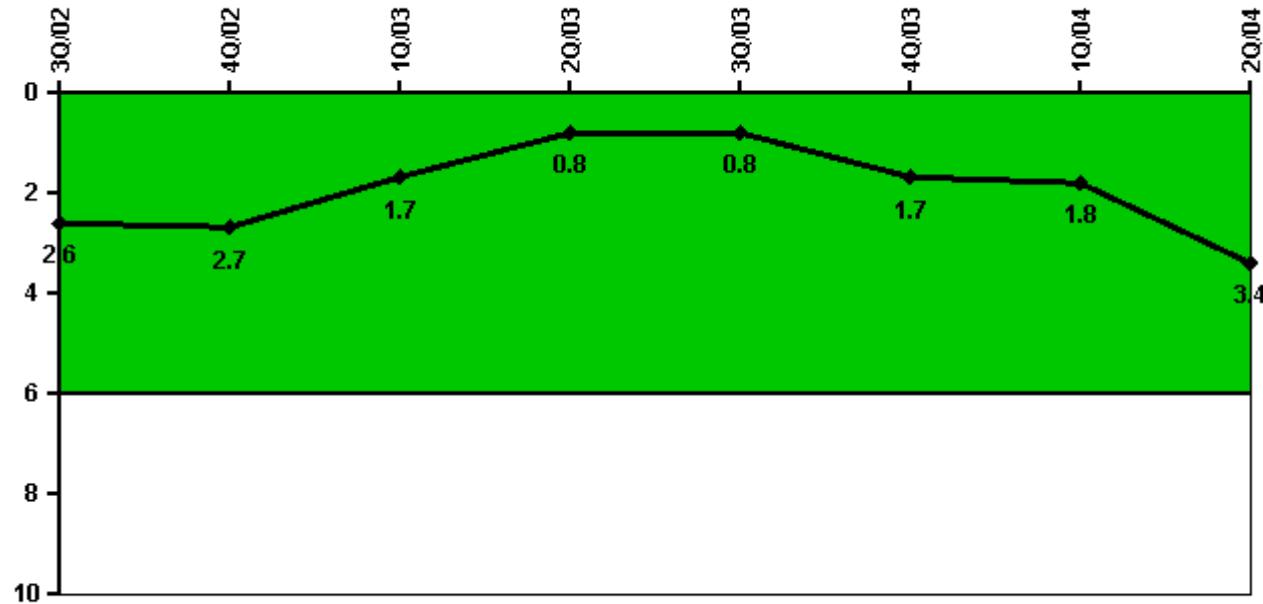
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	1.0	1.0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



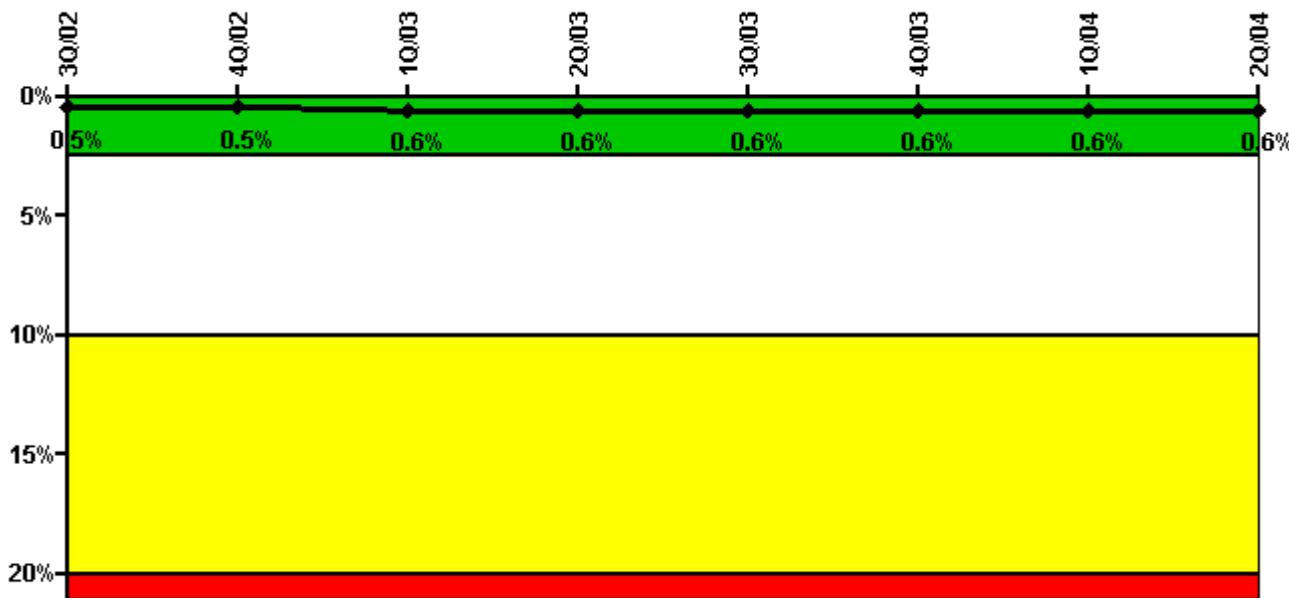
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	1.0	0	1.0	0	3.0
Critical hours	2208.0	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0
<b>Indicator value</b>	<b>2.6</b>	<b>2.7</b>	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



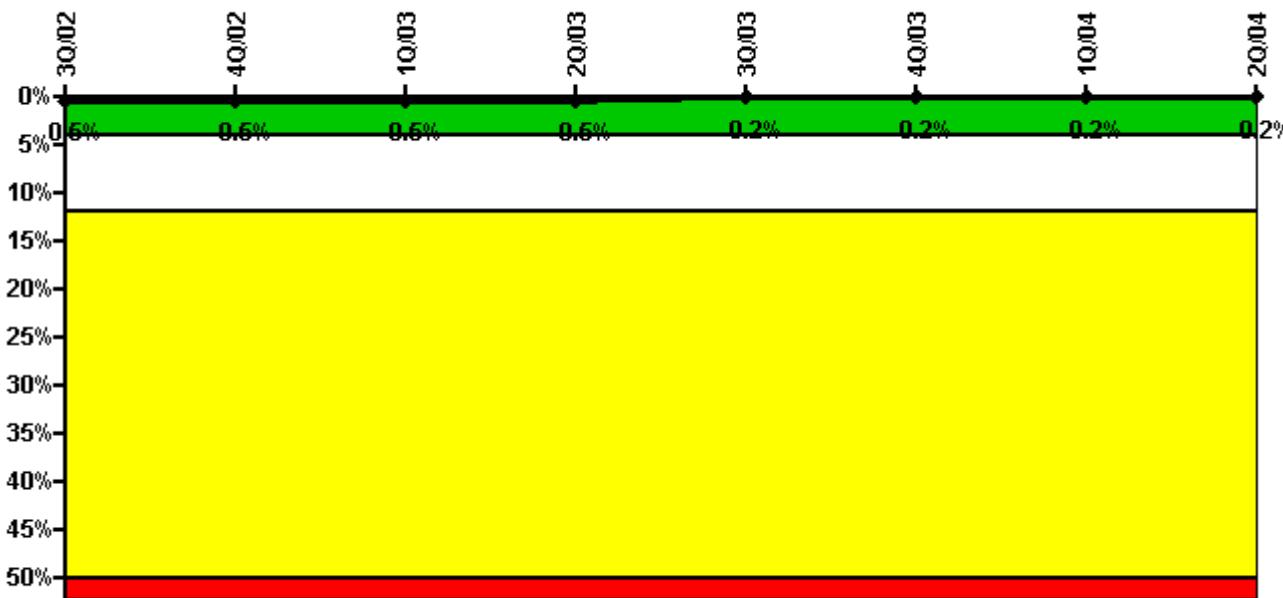
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0.25	0	0	0	0	0.43
Unplanned unavailable hours	0	0	44.47	0	0	18.87	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0.43	0	14.50	15.97	0	0.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	0	0	6.43	39.80	0	0	0	2.06
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



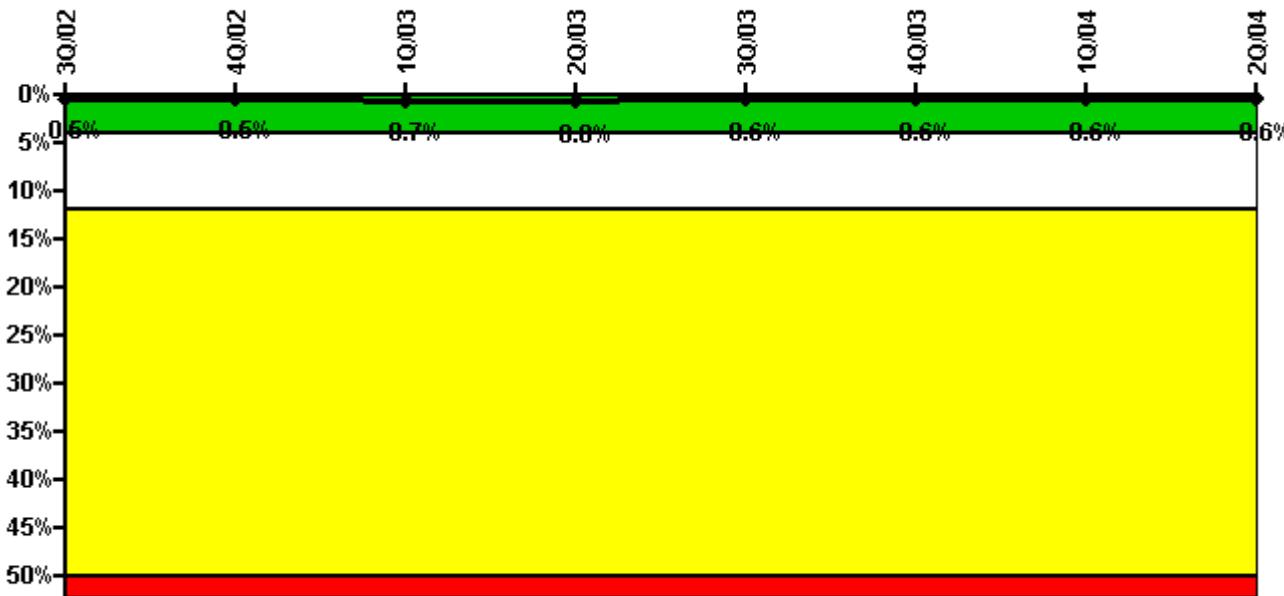
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	0	5.03	0	0	0	0	0	0
Unplanned unavailable hours	17.08	0	0	0	0	0	0	0
Fault exposure hours	11.58	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

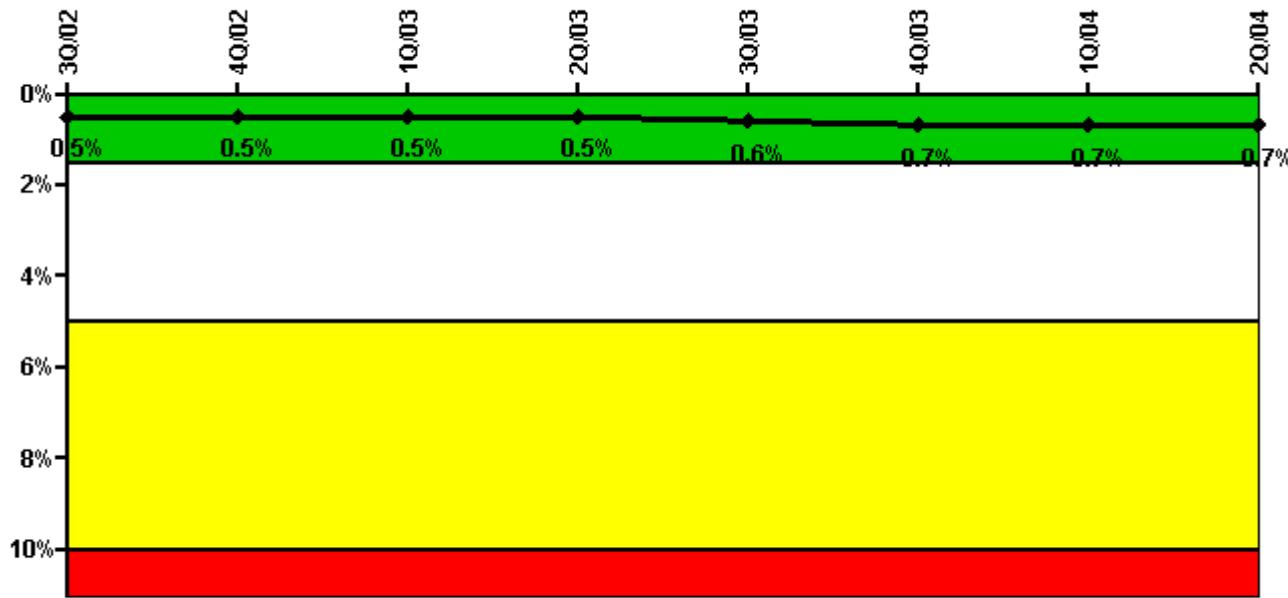
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	0.42	0.55	0.42	0.42	0.83	0.42	5.91	3.92
Unplanned unavailable hours	0	0	57.22	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments:

1Q/04: Unit 1 RCIC, 7956.733 hours of T/2 fault exposure hours.

## Safety System Unavailability, Residual Heat Removal System



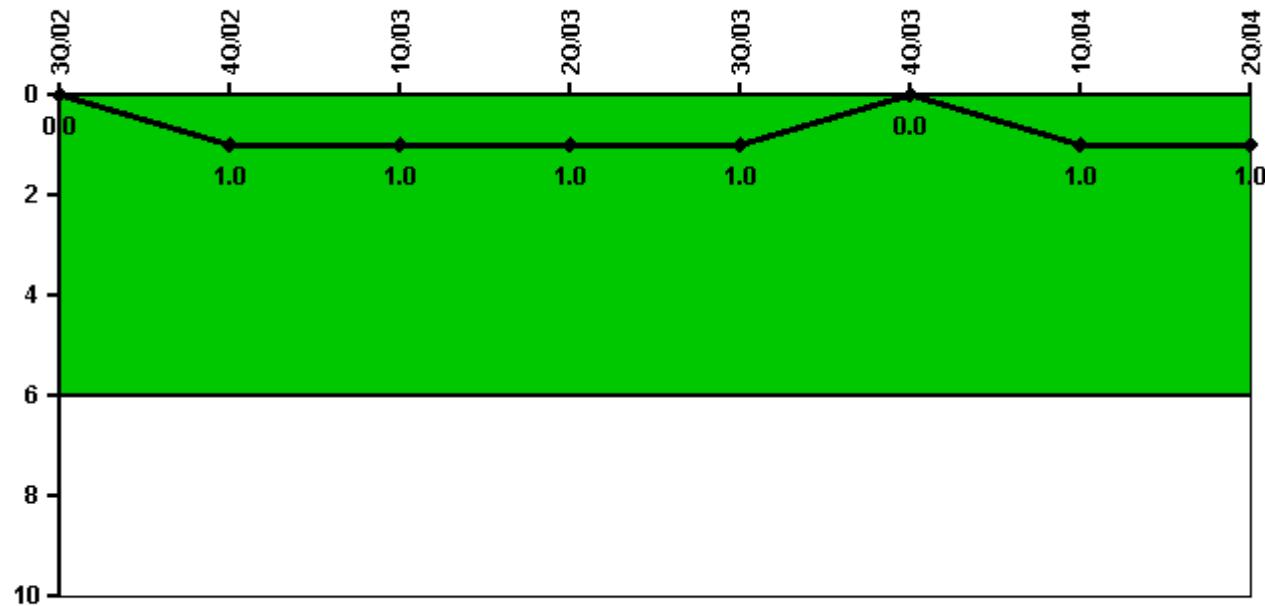
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	26.31	3.27	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	21.43	0	0	0	42.60	83.67	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0	4.97	0	7.55	0	45.42	11.66	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



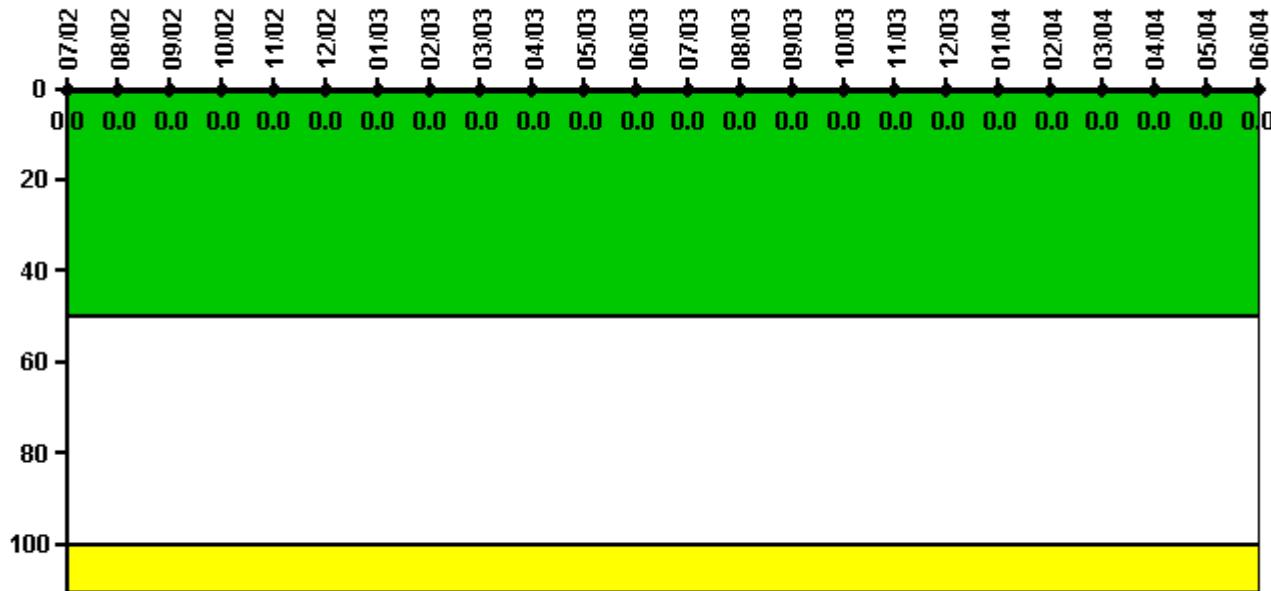
Thresholds: White > 6.0

#### Notes

Safety System Functional Failures (BWR)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Safety System Functional Failures	0	1	0	0	0	0	1	0
Indicator value	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

## Reactor Coolant System Activity



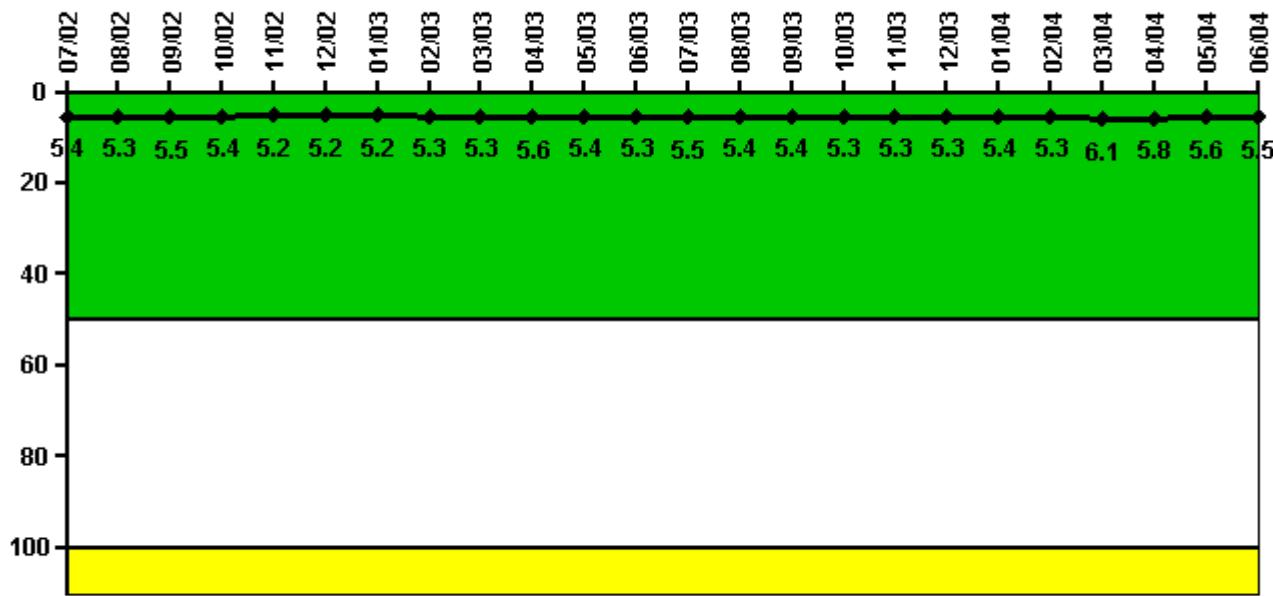
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000004	0.000005	0.000006	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



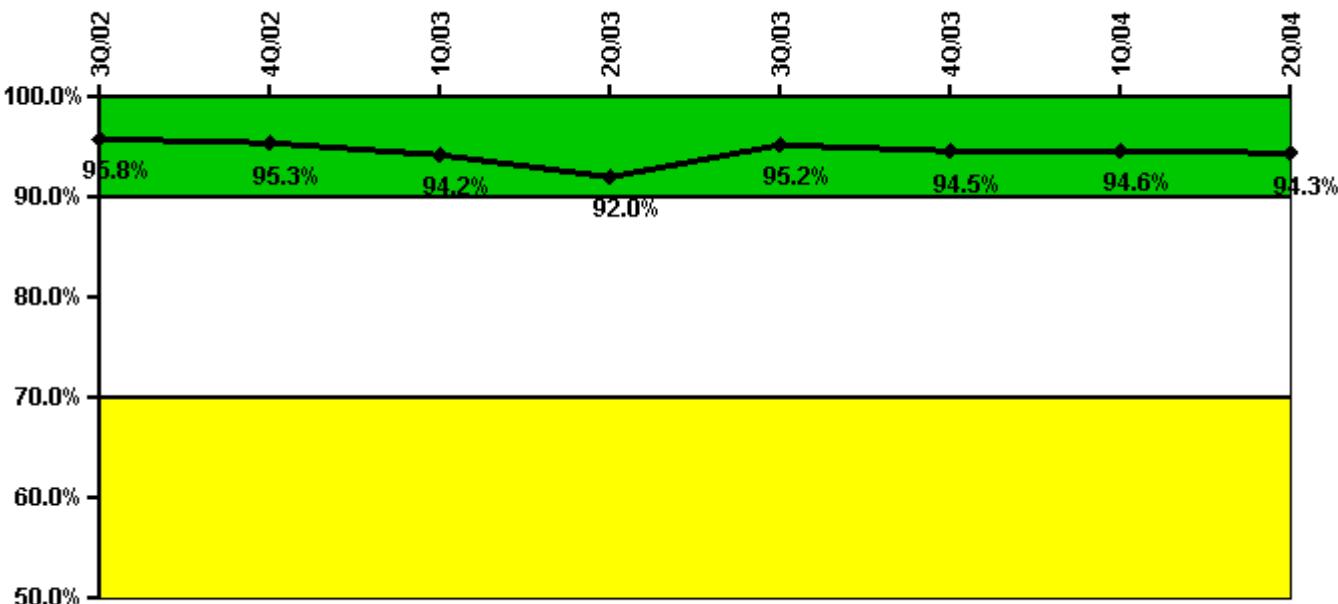
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	1.620	1.590	1.640	1.610	1.560	1.560	1.570	1.580	1.580	1.680	1.610	1.600
Indicator value	5.4	5.3	5.5	5.4	5.2	5.2	5.2	5.3	5.3	5.6	5.4	5.3
Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.640	1.630	1.630	1.590	1.590	1.590	1.630	1.580	1.820	1.730	1.690	1.660
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	5.5	5.4	5.4	5.3	5.3	5.3	5.4	5.3	6.1	5.8	5.6	5.5

Licensee Comments: none

### Drill/Exercise Performance



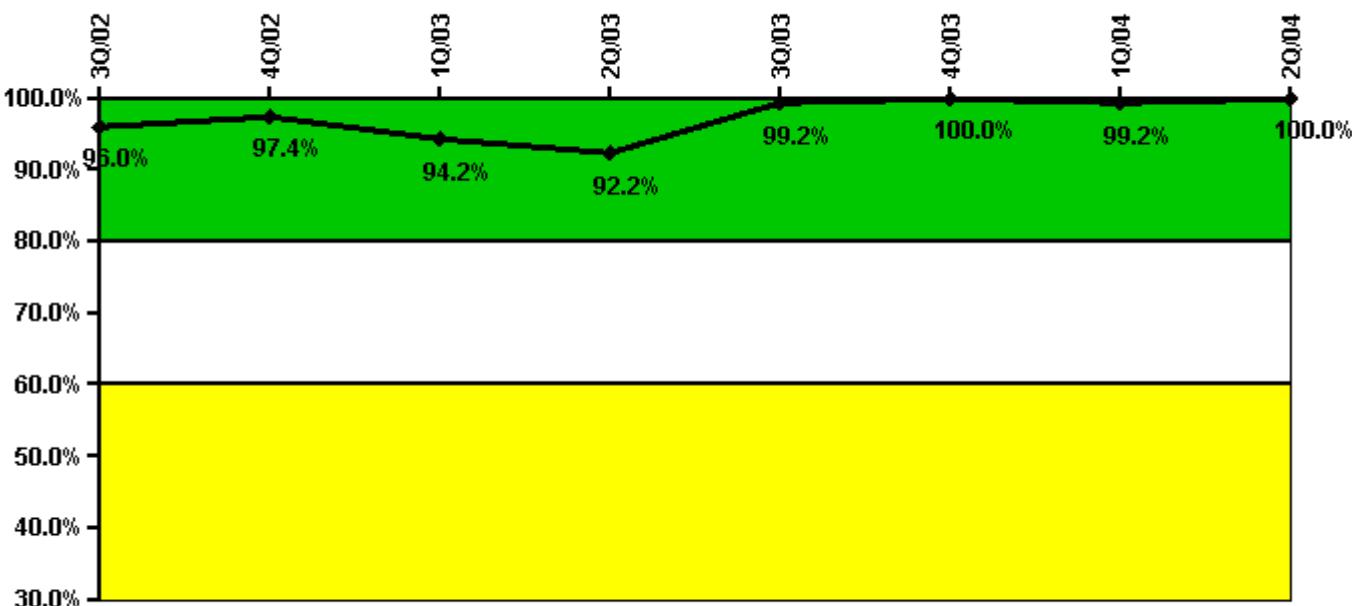
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	54.0	5.0	6.0	6.0	71.0	5.0	2.0	17.0
Total opportunities	56.0	6.0	8.0	8.0	72.0	6.0	2.0	18.0
<b>Indicator value</b>	<b>95.8%</b>	<b>95.3%</b>	<b>94.2%</b>	<b>92.0%</b>	<b>95.2%</b>	<b>94.5%</b>	<b>94.6%</b>	<b>94.3%</b>

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	119.0	114.0	113.0	107.0	130.0	128.0	119.0	116.0
Total Key personnel	124.0	117.0	120.0	116.0	131.0	128.0	120.0	116.0
<b>Indicator value</b>	<b>96.0%</b>	<b>97.4%</b>	<b>94.2%</b>	<b>92.2%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>

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**

<b>Alert &amp; Notification System</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

2Q/04: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

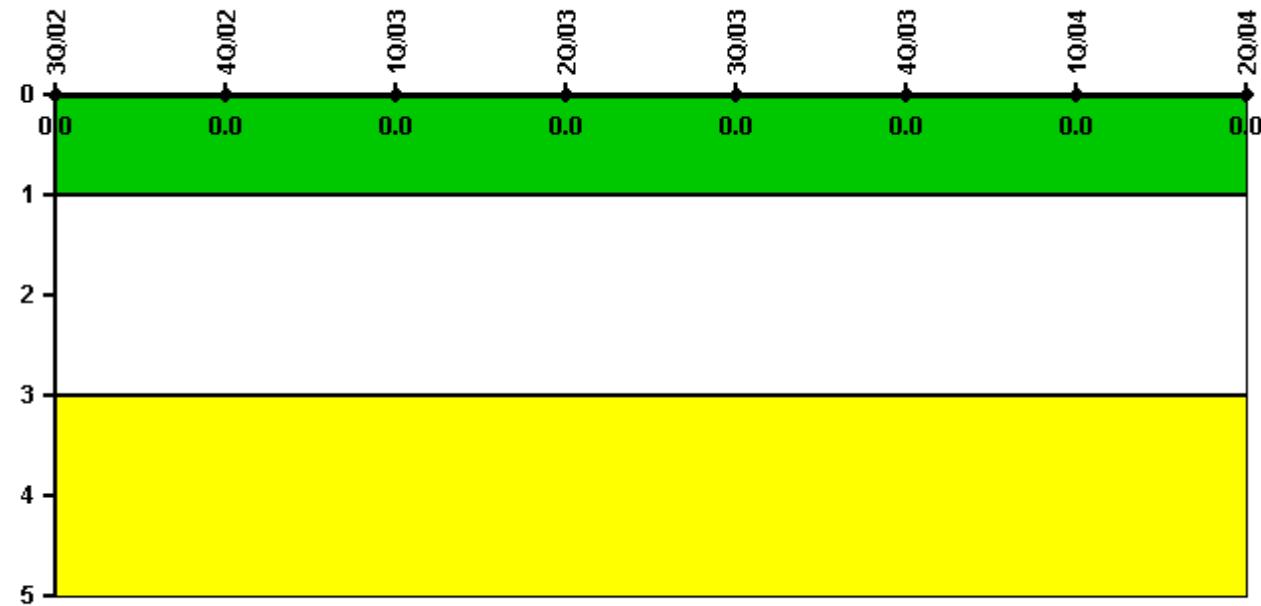


Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
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

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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

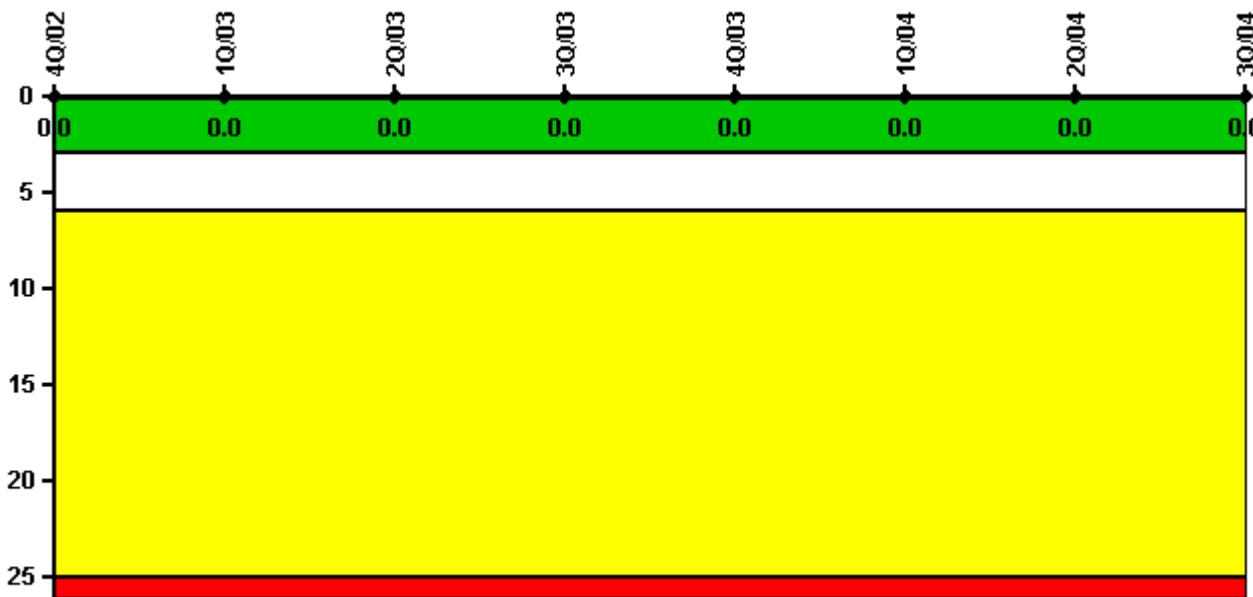


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: September 8, 2004

**Hatch 1****3Q/2004 Performance Indicators**

Licensee's General Comments: none

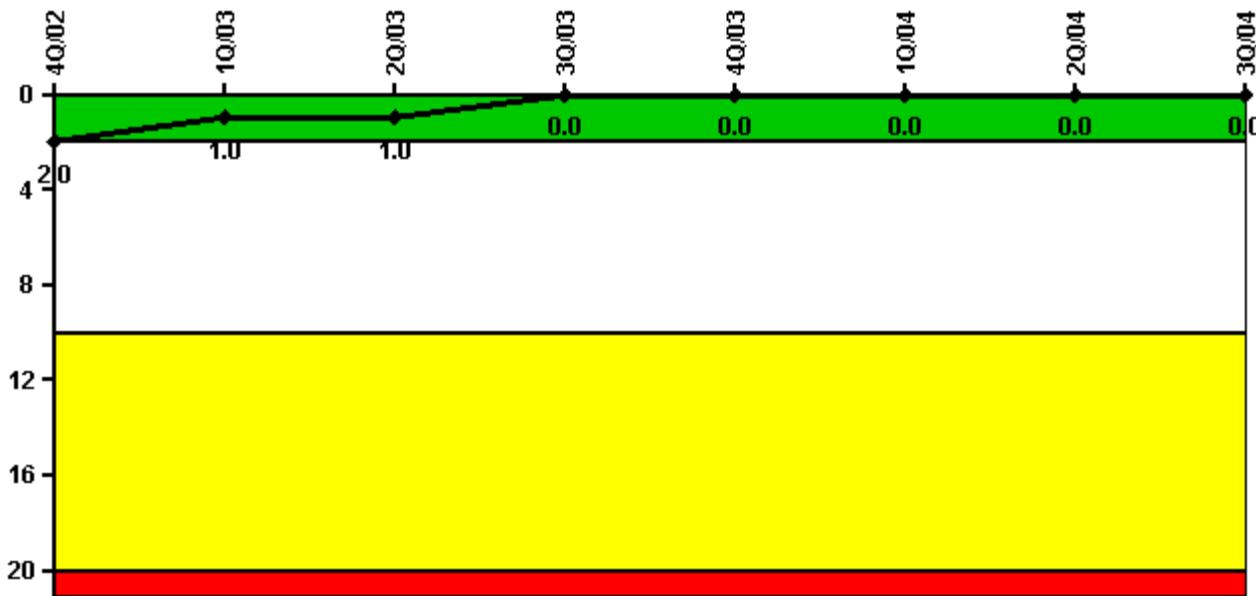
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

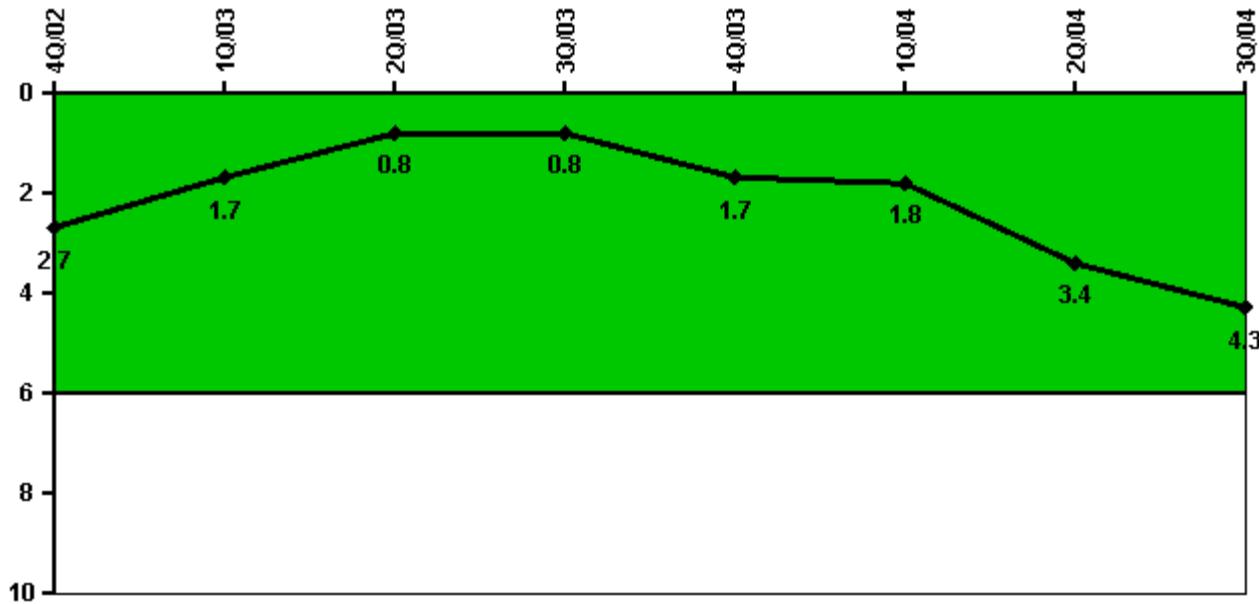
**Notes**

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	1.0	1.0	0	0	0	0	0

Licensee Comments: none

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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

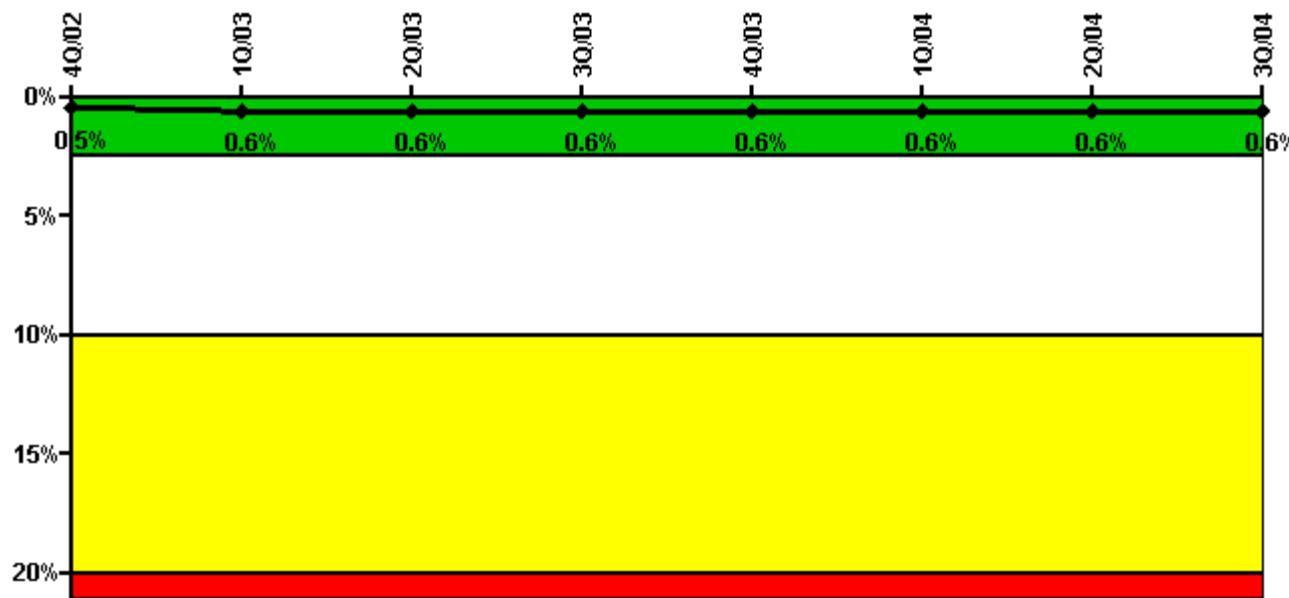
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	1.0	0	1.0	0	3.0	1.0
Critical hours	2126.1	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0
Indicator value	<b>2.7</b>	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0.25	0	0	0	0	0.43	0
Unplanned unavailable hours	0	44.47	0	0	18.87	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	0.43	0	14.50	15.97	0	0.15	32.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	0	6.43	39.80	0	0	0	2.06	1.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.6%</b>						

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

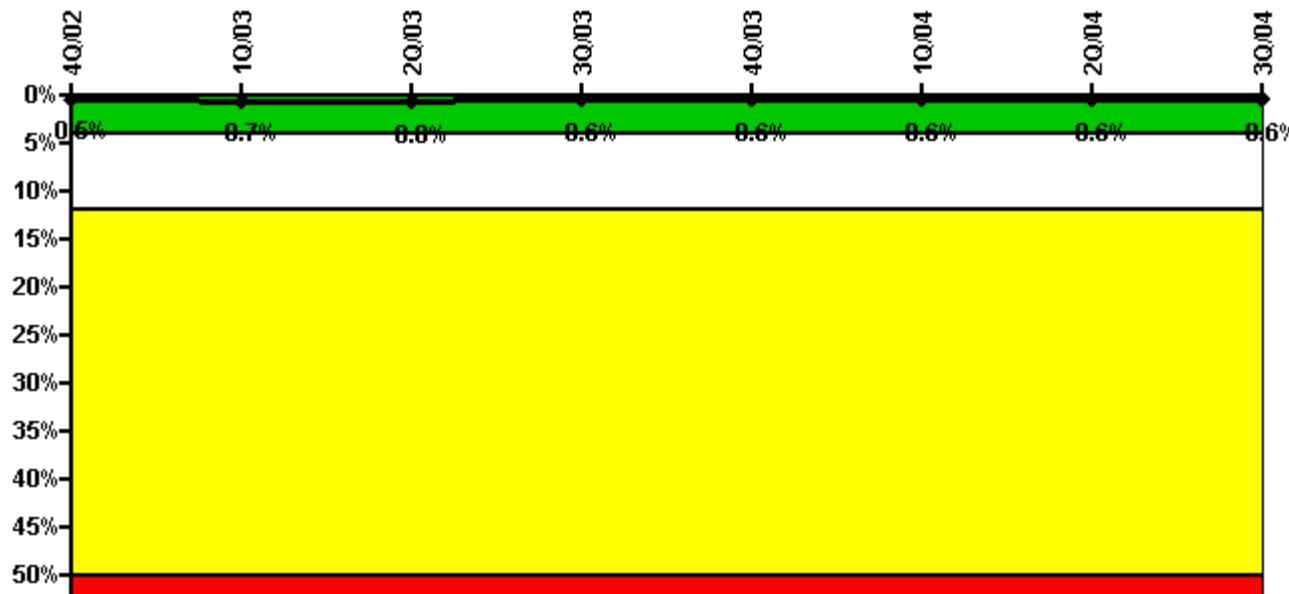
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	5.03	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>

Licensee Comments: none

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## Safety System Unavailability, Heat Removal System (RCIC)



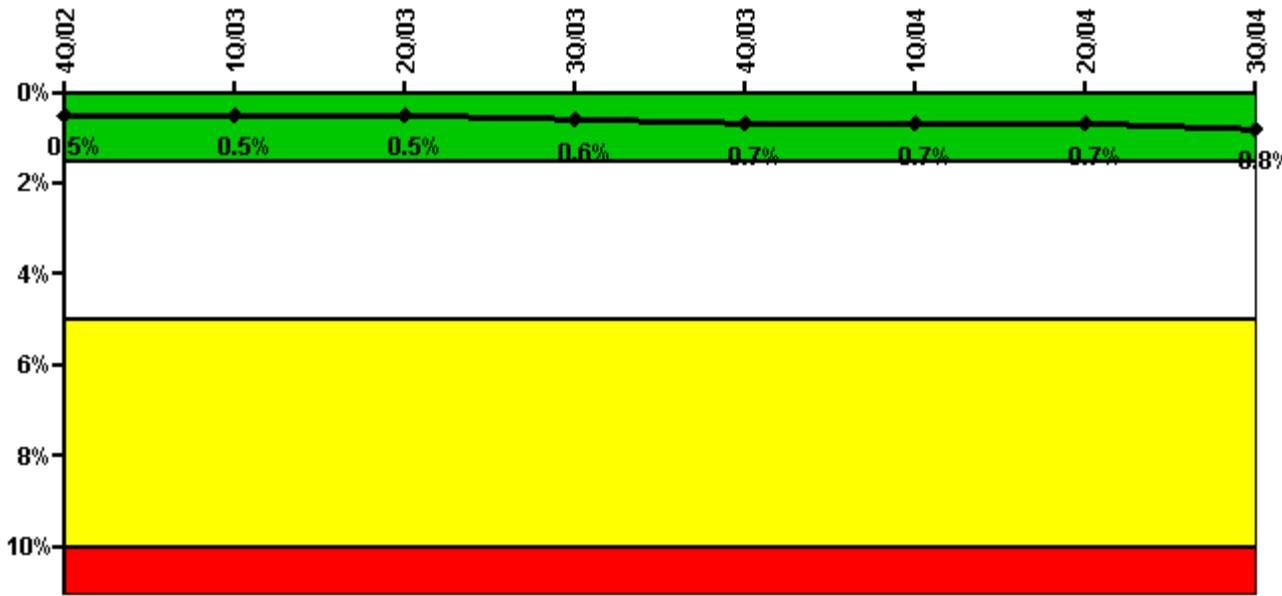
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	0.55	0.42	0.42	0.83	0.42	5.91	3.92	2.50
Unplanned unavailable hours	0	57.22	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2126.12	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

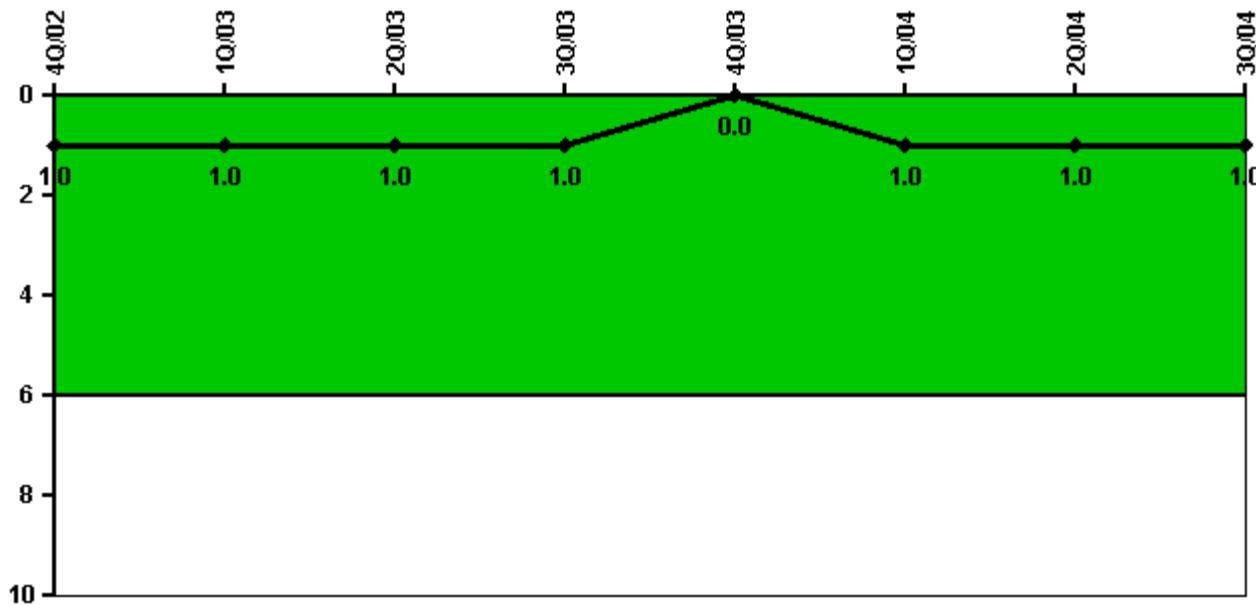


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0	26.31	3.27	0	0	25.99
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	42.60	83.67	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	4.97	0	7.55	0	45.42	11.66	0	20.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

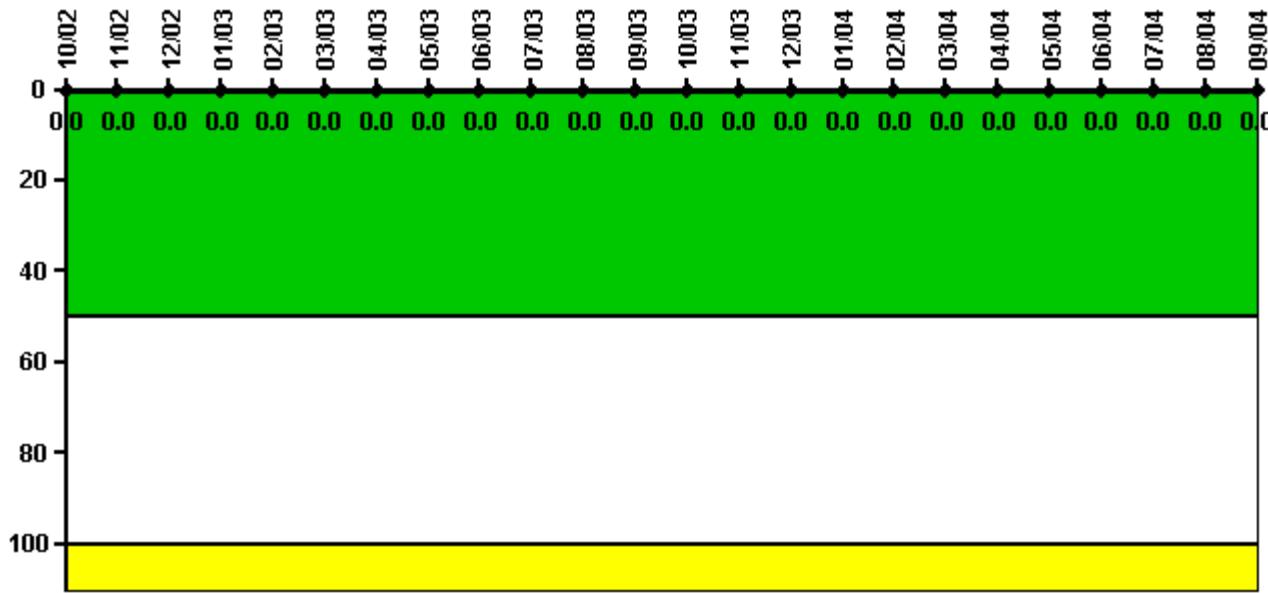
**Notes**

Safety System Functional Failures (BWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	1	1	1	1	0	1	1	1

Licensee Comments: none

---

## Reactor Coolant System Activity



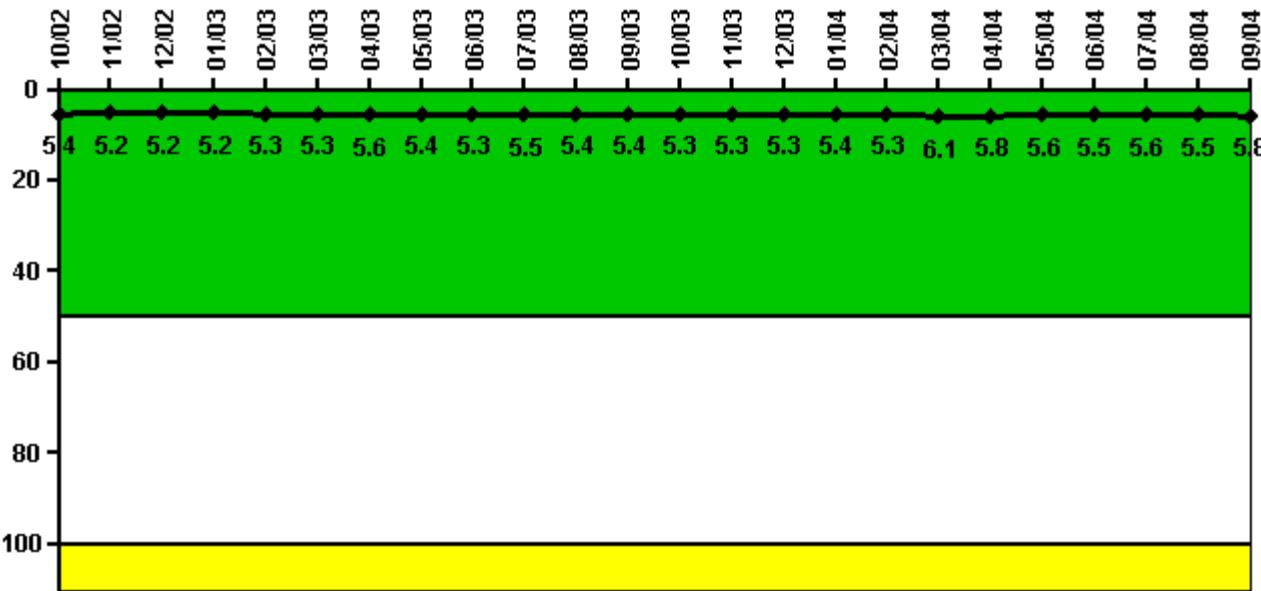
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000004	0.000004	0.000006	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010
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	0
Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



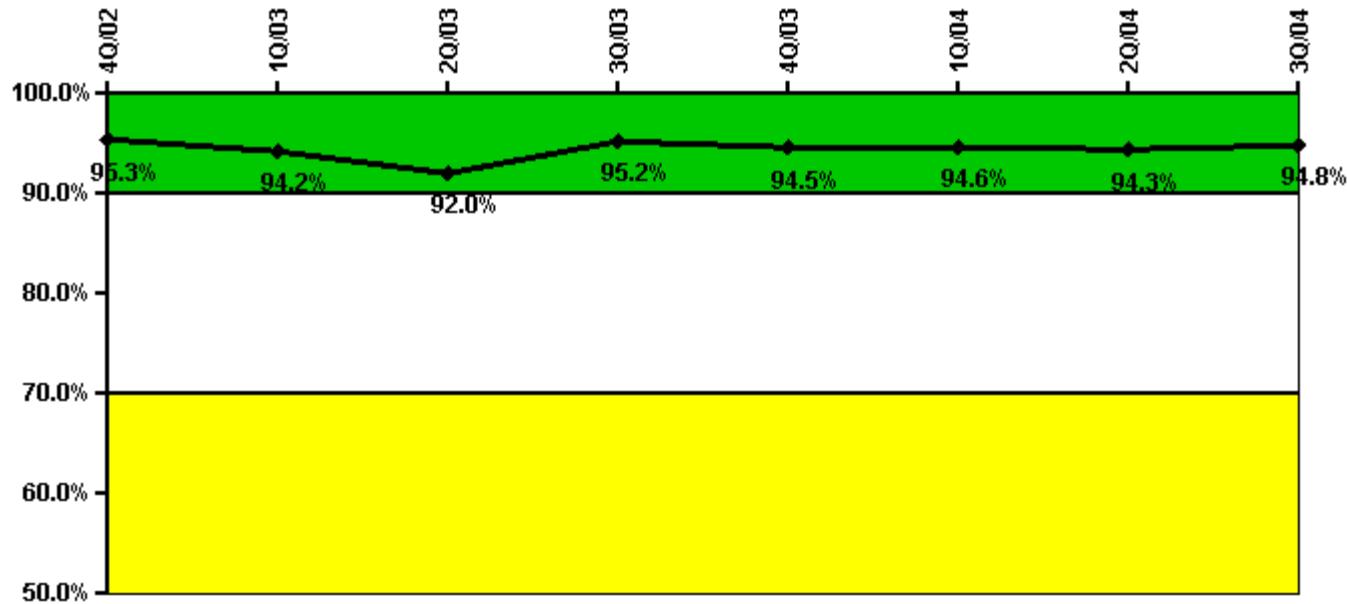
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	1.610	1.560	1.560	1.570	1.580	1.580	1.680	1.610	1.600	1.640	1.630	1.630
Indicator value	5.4	5.2	5.2	5.2	5.3	5.3	5.6	5.4	5.3	5.5	5.4	5.4
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	1.590	1.590	1.590	1.630	1.580	1.820	1.730	1.690	1.660	1.680	1.660	1.730
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	5.3	5.3	5.3	5.4	5.3	6.1	5.8	5.6	5.5	5.6	5.5	5.8

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

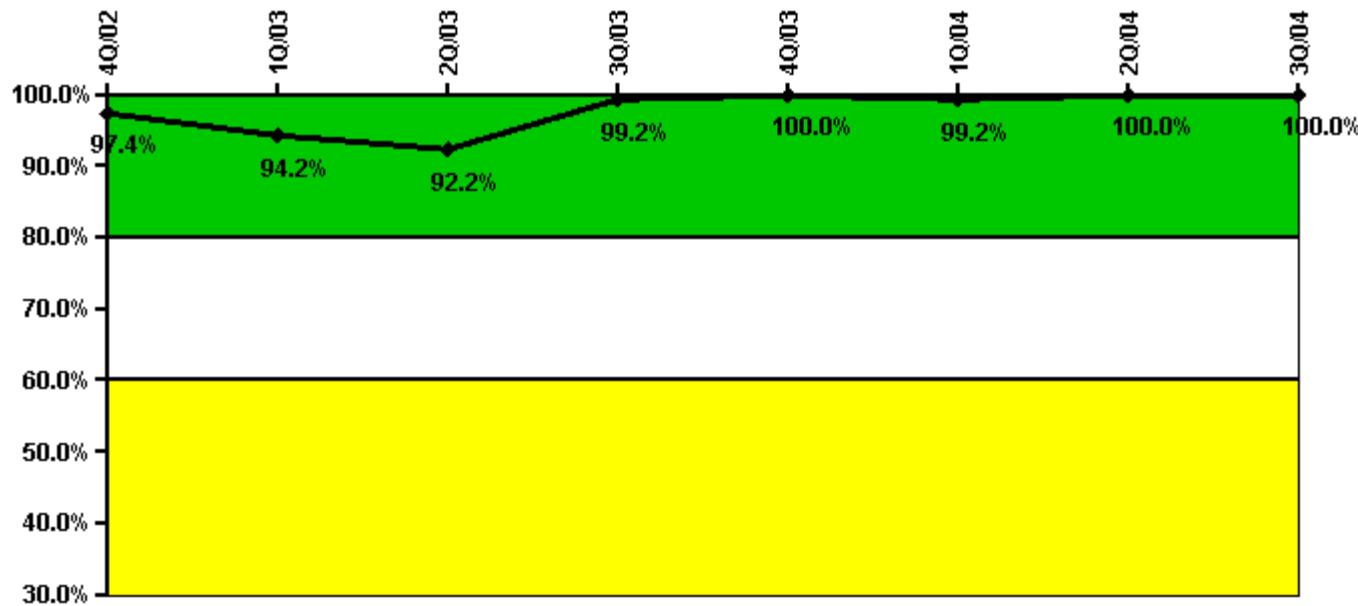
#### Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	5.0	6.0	6.0	71.0	5.0	2.0	17.0	34.0
Total opportunities	6.0	8.0	8.0	72.0	6.0	2.0	18.0	34.0
Indicator value	95.3%	94.2%	92.0%	95.2%	94.5%	94.6%	94.3%	94.8%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	114.0	113.0	107.0	130.0	128.0	119.0	116.0	111.0
Total Key personnel	117.0	120.0	116.0	131.0	128.0	120.0	116.0	111.0
Indicator value	97.4%	94.2%	92.2%	99.2%	100.0%	99.2%	100.0%	100.0%

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**

<b>Alert &amp; Notification System</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

3Q/04: Plant Hatch does not use sirens as an emergency notification system.

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**Occupational Exposure Control Effectiveness**

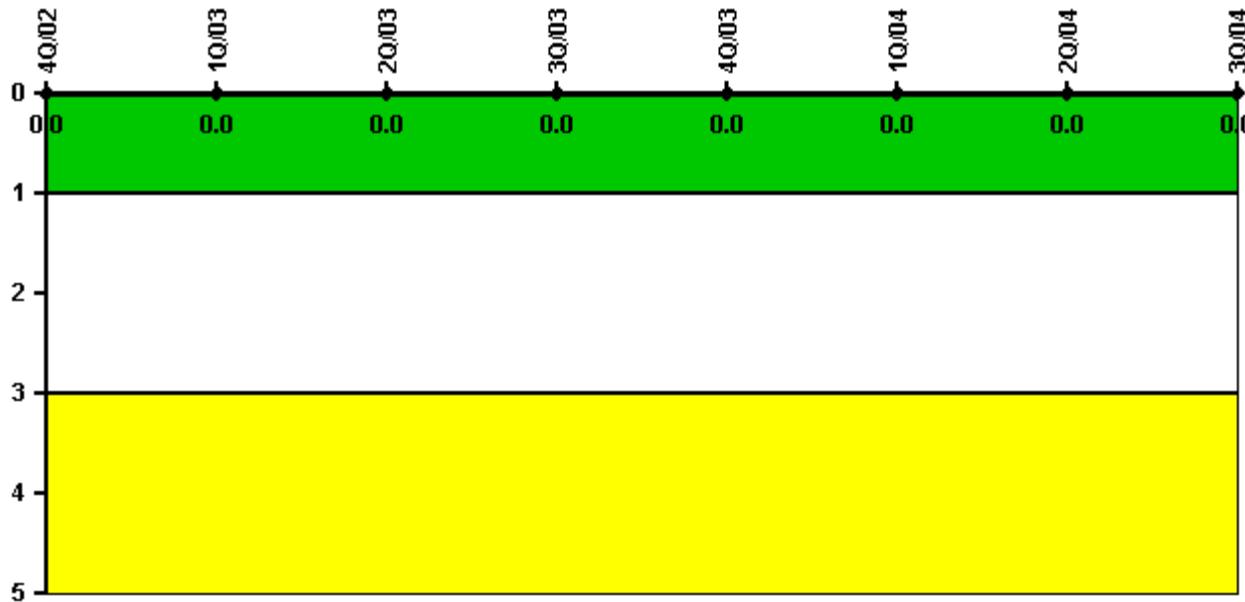
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

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](#)

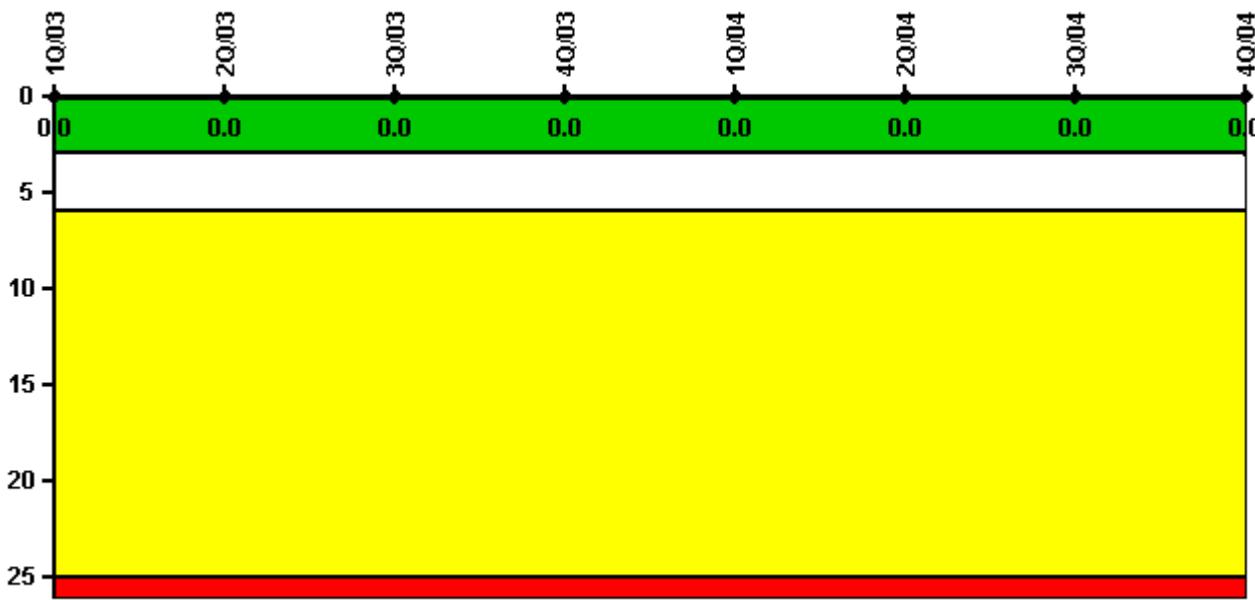
Last Modified: October 25, 2004

# Hatch 1

## 4Q/2004 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



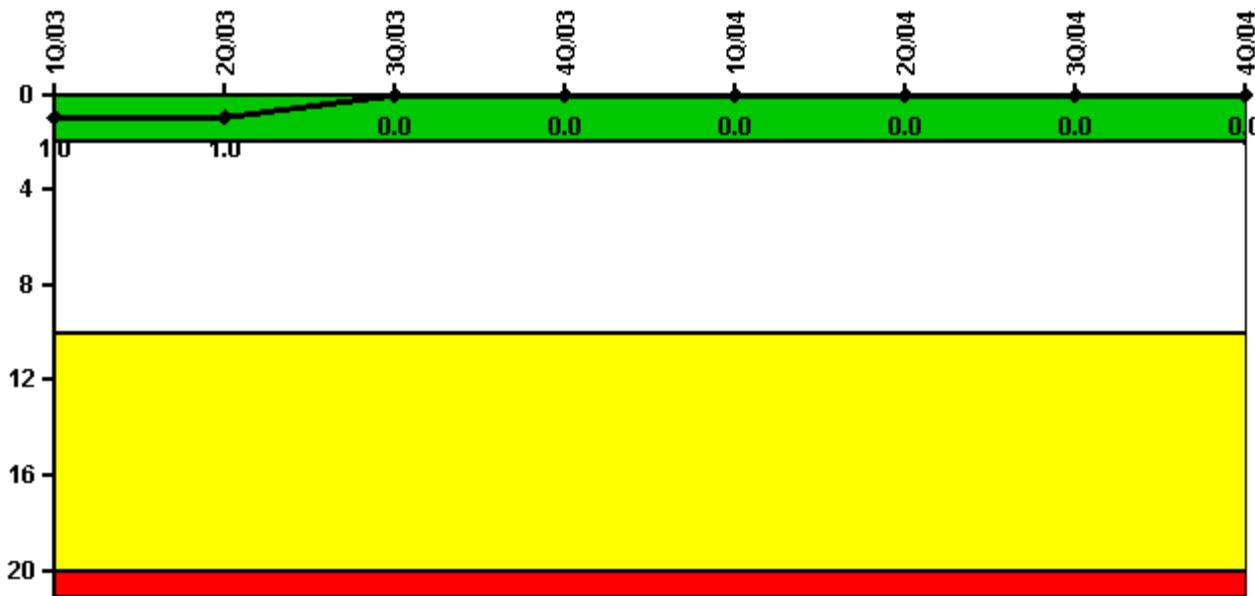
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

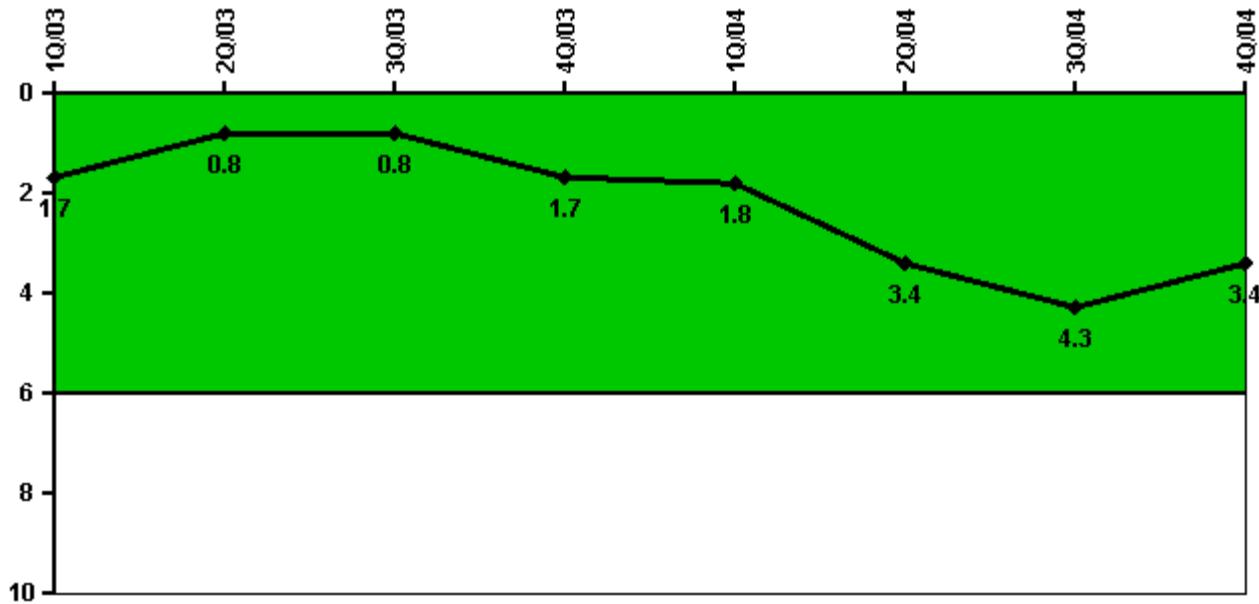
**Notes**

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

---

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

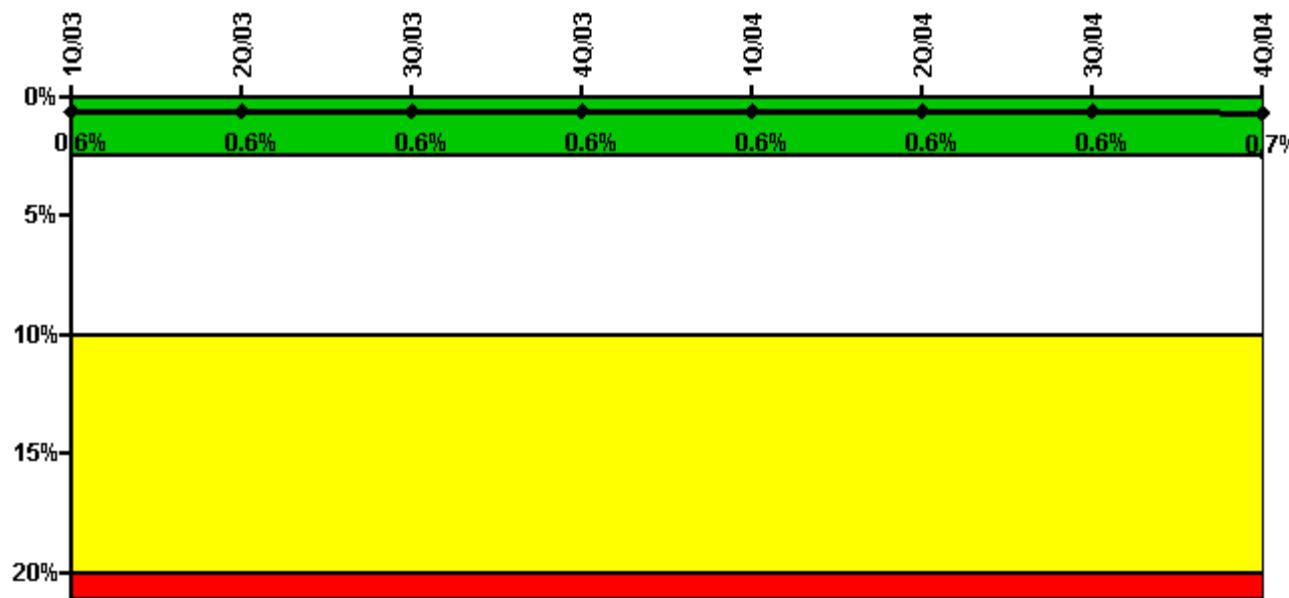
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	1.0	0	1.0	0	3.0	1.0	0
Critical hours	2160.0	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0
Indicator value	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0.25	0	0	0	0	0.43	0	0
Unplanned unavailable hours	44.47	0	0	18.87	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0.43	0	14.50	15.97	0	0.15	32.75	30.48
Unplanned unavailable hours	0	0	0	0	0	0	0	119.30
Fault exposure hours	0	0	0	0	0	0	0	24.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	6.43	39.80	0	0	0	2.06	1.55	33.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.7%</b>						

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

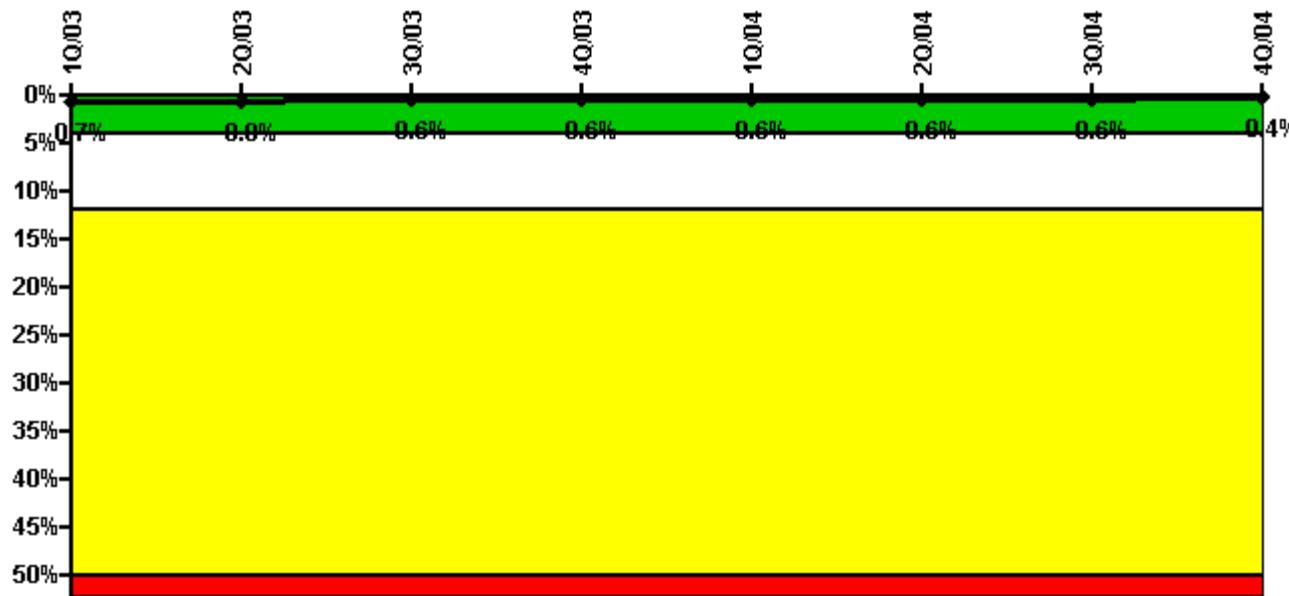
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>

Licensee Comments: none

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## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

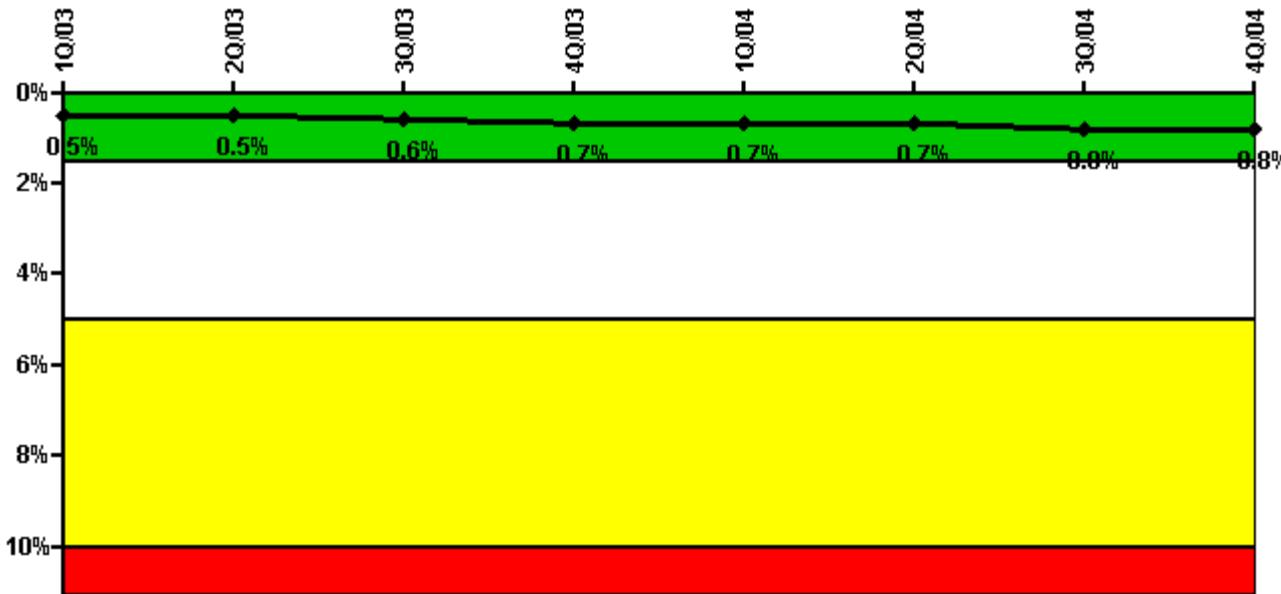
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0.42	0.42	0.83	0.42	5.91	3.92	2.50	0.52
Unplanned unavailable hours	57.22	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>

Licensee Comments: none

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## Safety System Unavailability, Residual Heat Removal System

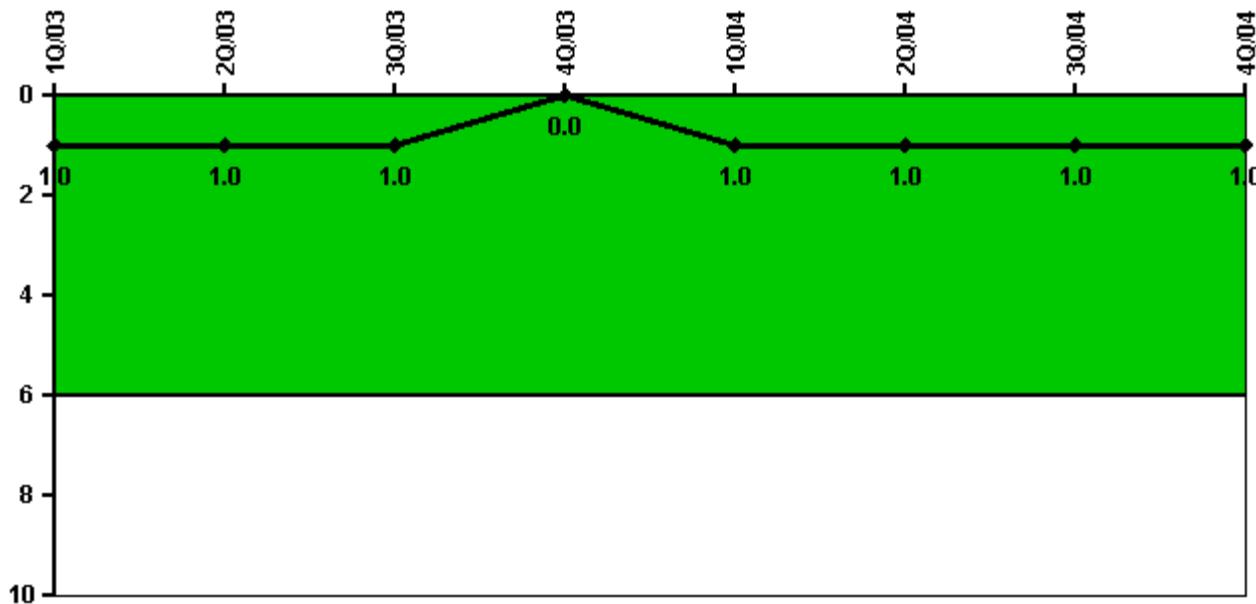


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	26.31	3.27	0	0	25.99	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	42.60	83.67	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	7.55	0	45.42	11.66	0	20.37	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

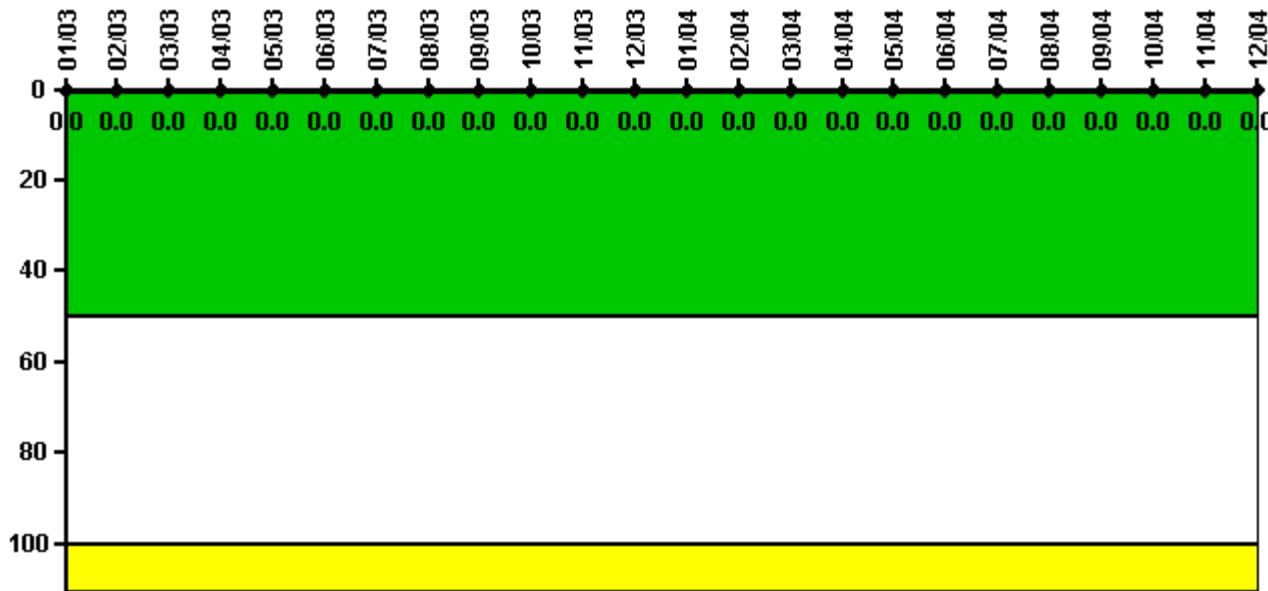
**Notes**

Safety System Functional Failures (BWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	1	1	1	0	1	1	1	1

Licensee Comments: none

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## Reactor Coolant System Activity



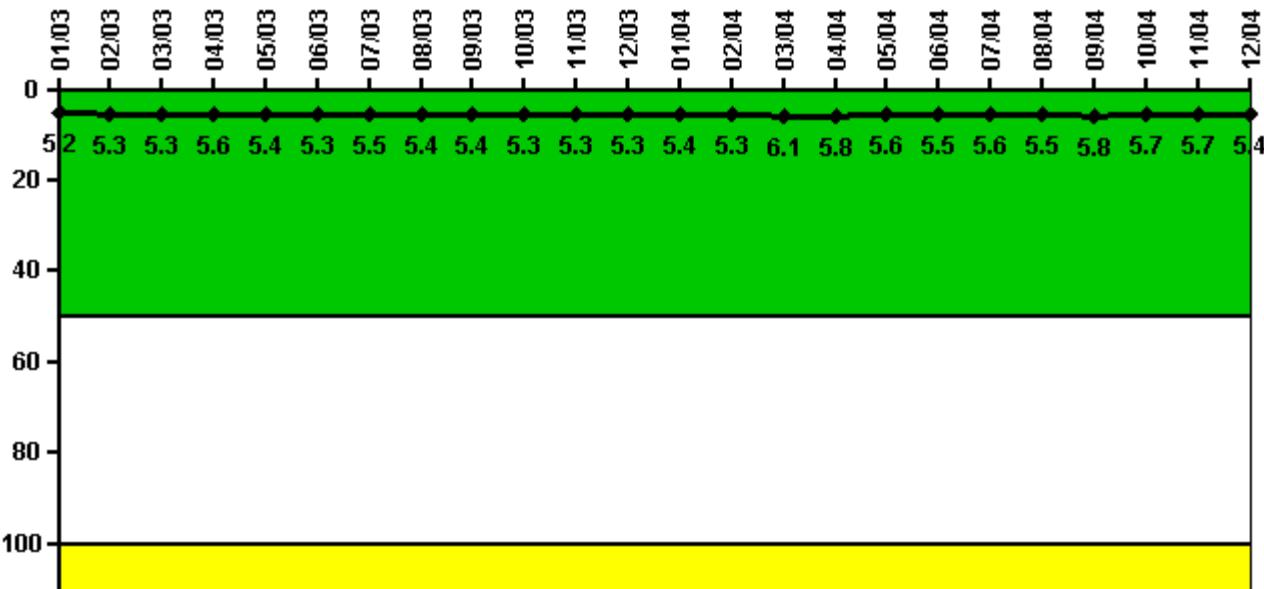
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000006	0.000005	0.000007	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



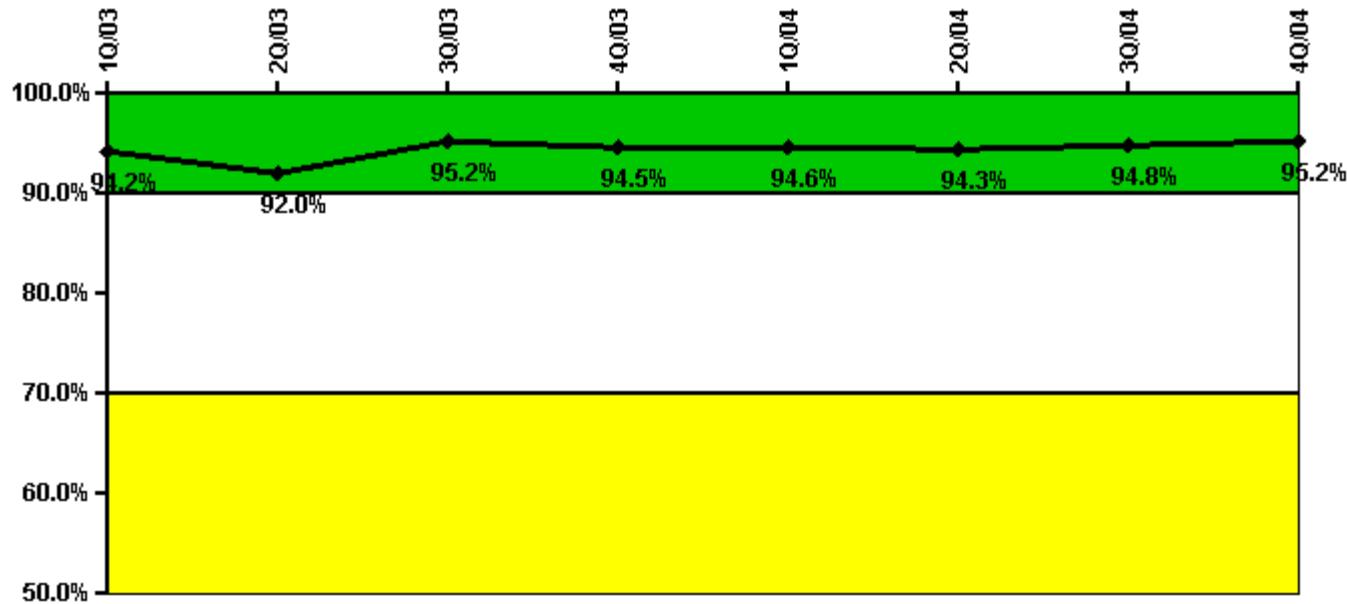
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.570	1.580	1.580	1.680	1.610	1.600	1.640	1.630	1.630	1.590	1.590	1.590
Indicator value	5.2	5.3	5.3	5.6	5.4	5.3	5.5	5.4	5.4	5.3	5.3	5.3
Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	1.630	1.580	1.820	1.730	1.690	1.660	1.680	1.660	1.730	1.720	1.700	1.630
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	5.4	5.3	6.1	5.8	5.6	5.5	5.6	5.5	5.8	5.7	5.7	5.4

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

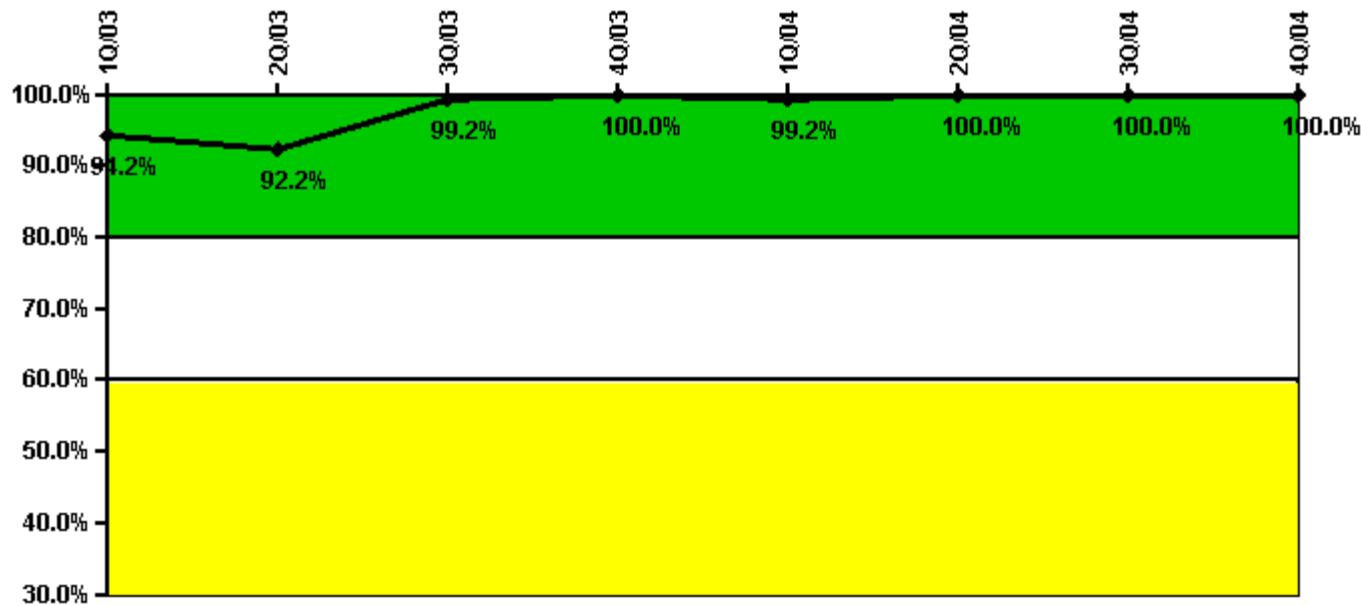
#### Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	6.0	6.0	71.0	5.0	2.0	17.0	34.0	18.0
Total opportunities	8.0	8.0	72.0	6.0	2.0	18.0	34.0	19.0
Indicator value	94.2%	92.0%	95.2%	94.5%	94.6%	94.3%	94.8%	95.2%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	113.0	107.0	130.0	128.0	119.0	116.0	111.0	114.0
Total Key personnel	120.0	116.0	131.0	128.0	120.0	116.0	111.0	114.0
Indicator value	94.2%	92.2%	99.2%	100.0%	99.2%	100.0%	100.0%	100.0%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

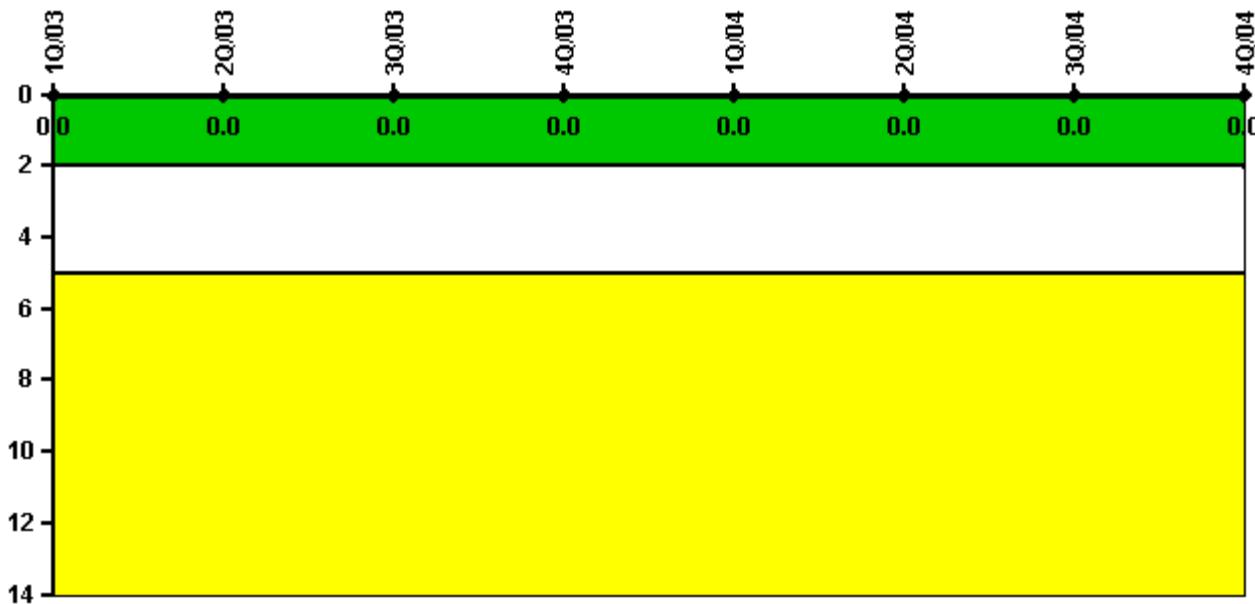
**Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/03</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

4Q/04: Plant Hatch does not use sirens as an emergency notification system.

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**Occupational Exposure Control Effectiveness**

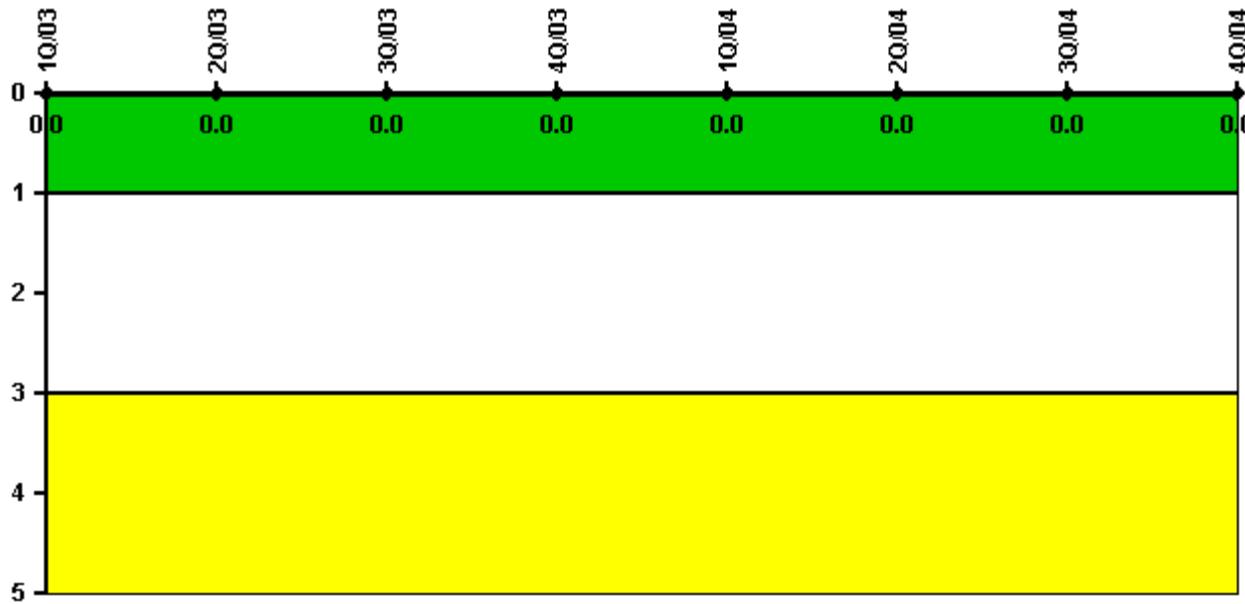
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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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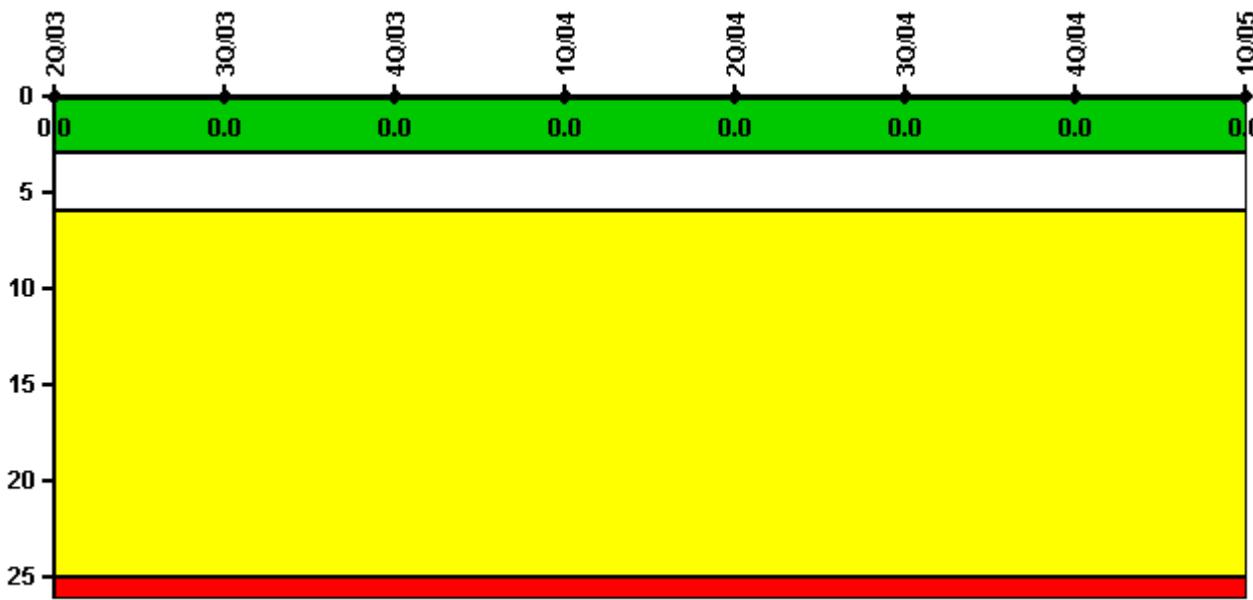


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 9, 2005

**Hatch 1****1Q/2005 Performance Indicators**

Licensee's General Comments: none

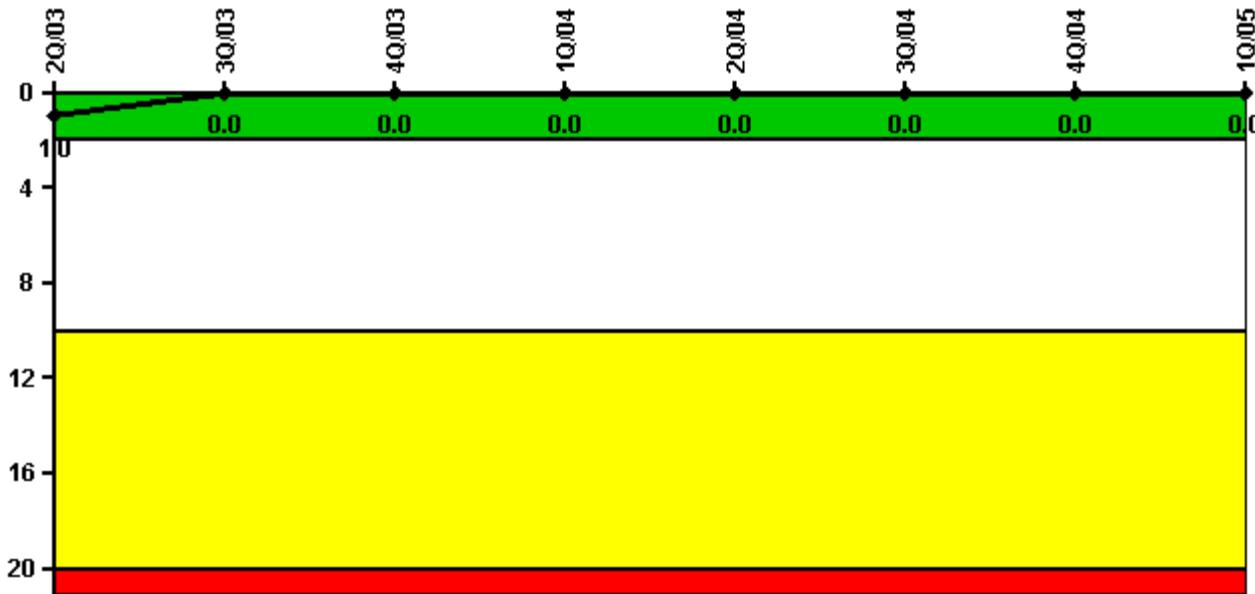
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

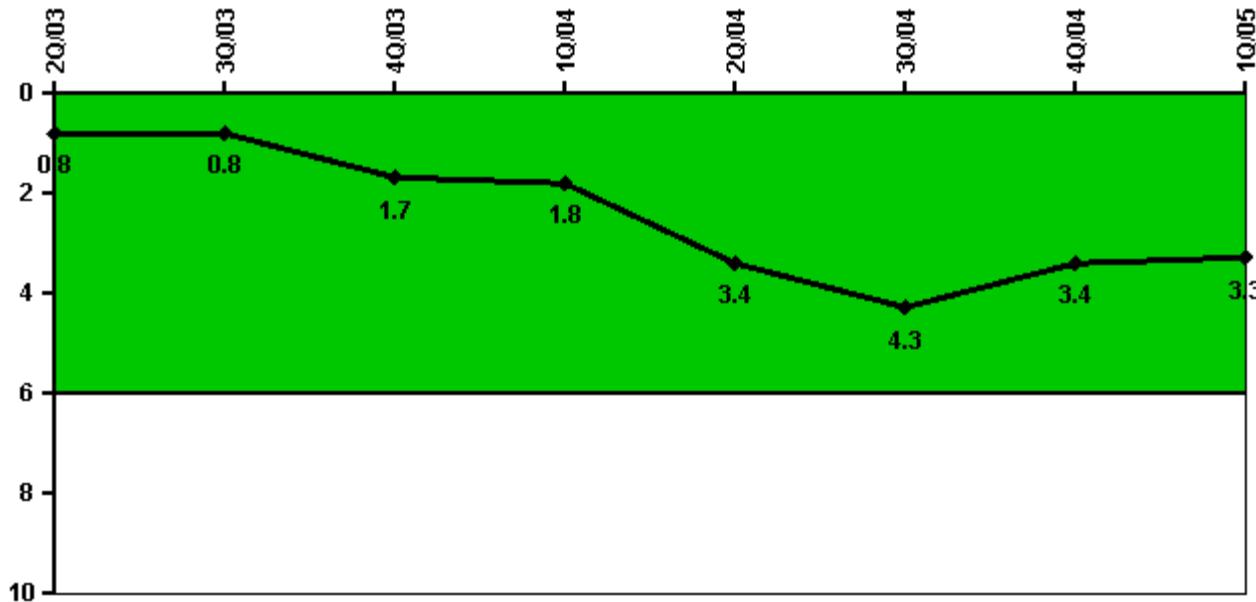
**Notes**

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

---

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

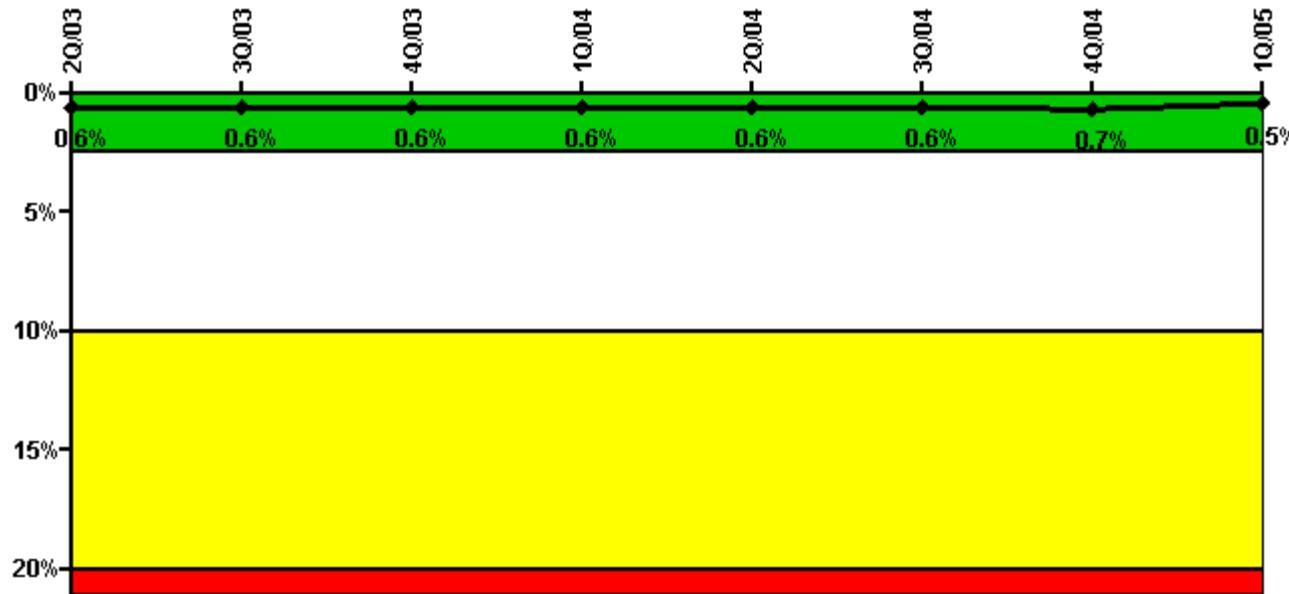
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	1.0	0	1.0	0	3.0	1.0	0	0
Critical hours	1877.5	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2
Indicator value	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

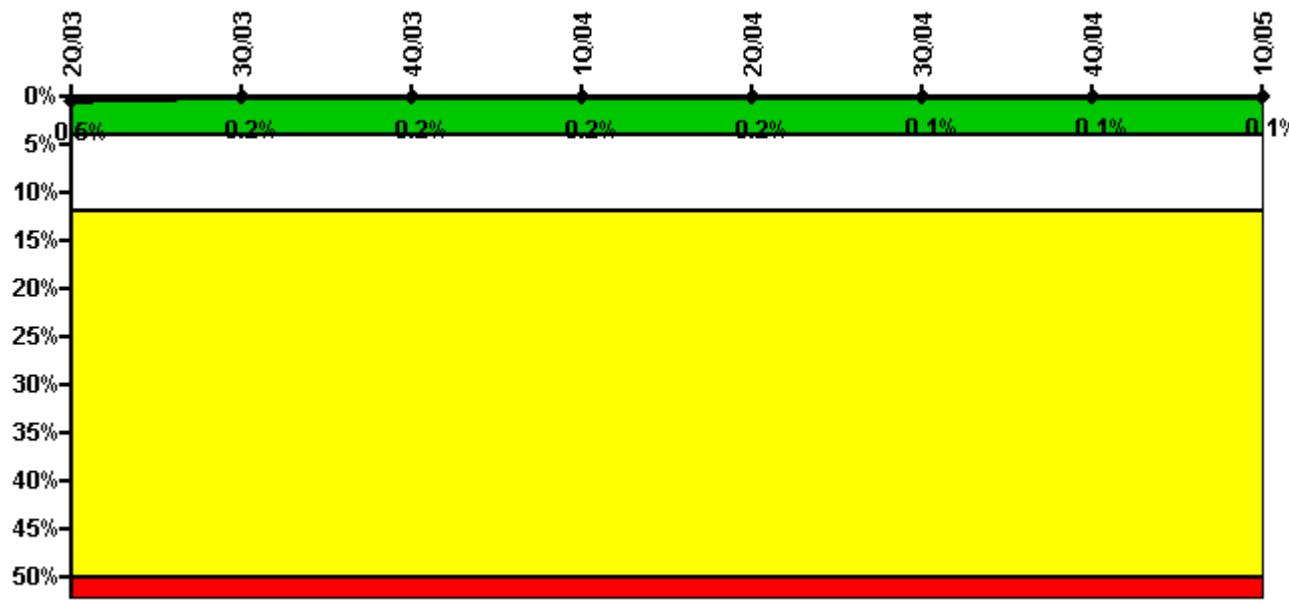
### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0.43	0	0	5.87
Unplanned unavailable hours	0	0	18.87	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	14.50	15.97	0	0.15	32.75	30.48	32.43
Unplanned unavailable hours	0	0	0	0	0	0	119.30	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	39.80	0	0	0	2.06	1.55	33.08	7.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.5%</b>

### Licensee Comments:

4Q/04: Train 2, Fault Exposure (Oct. 2004): This was originally entered as 24 hours in the fault exposure column and as 12 hours in the T/2 column. Since this was T/2 fault exposure, it should only be in the T/2 column as 12 hours.

## Safety System Unavailability, High Pressure Injection System (HPCI)



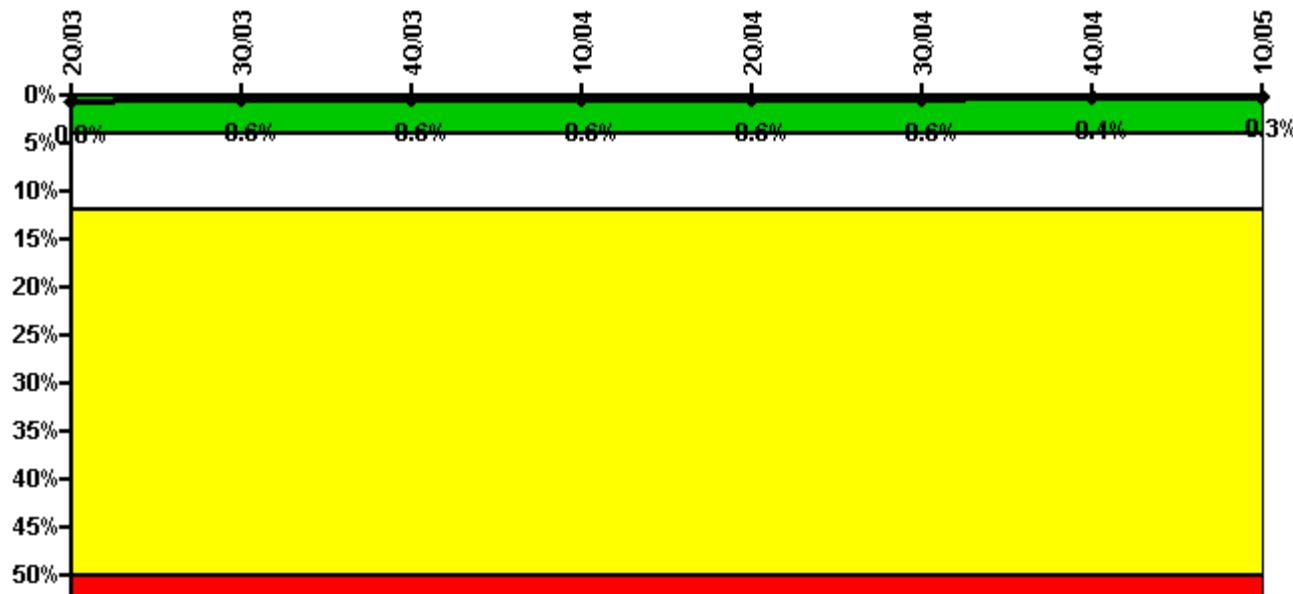
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18
<b>Indicator value</b>	<b>0.5%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

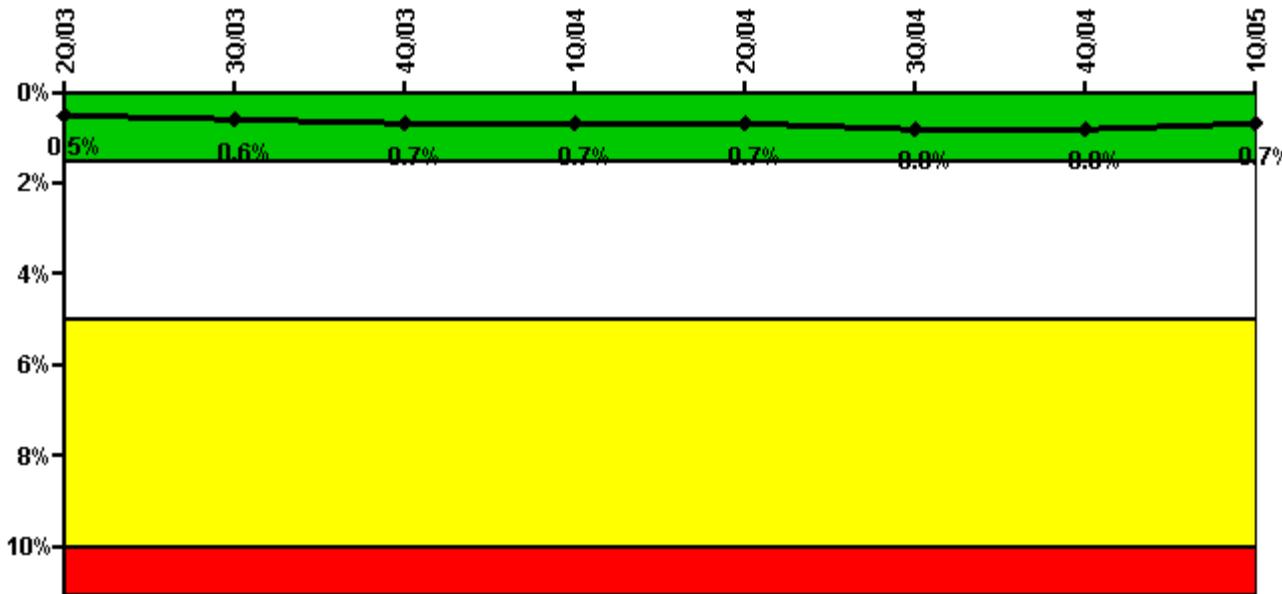
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	0.42	0.83	0.42	5.91	3.92	2.50	0.52	0.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1877.51	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18
<b>Indicator value</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>

Licensee Comments: none

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## Safety System Unavailability, Residual Heat Removal System

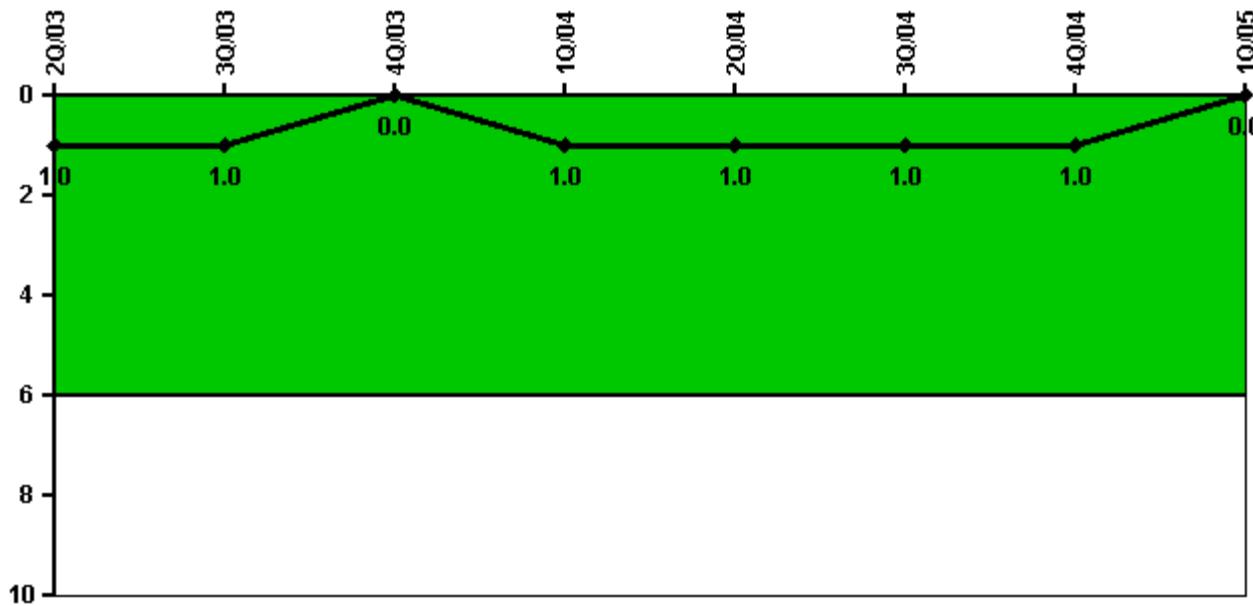


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	0	26.31	3.27	0	0	25.99	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	42.60	83.67	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	7.55	0	45.42	11.66	0	20.37	0	0.24
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

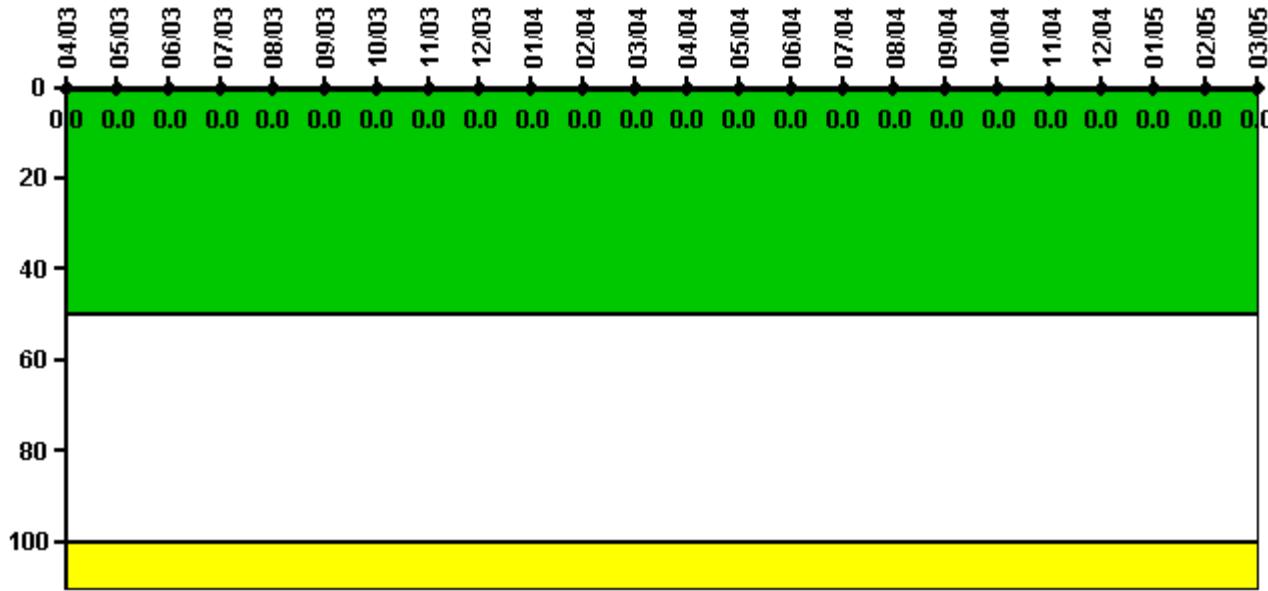
**Notes**

Safety System Functional Failures (BWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	1	1	0	1	1	1	1	0

Licensee Comments: none

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## Reactor Coolant System Activity



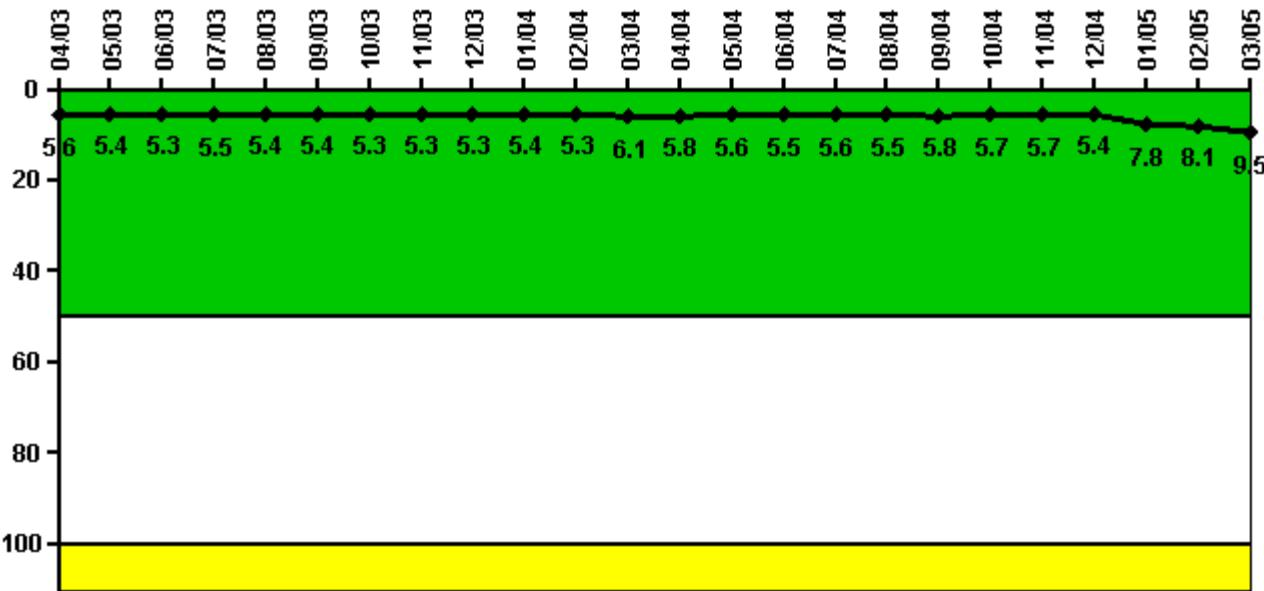
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000007	0.000009	0.000004	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006
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	0
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



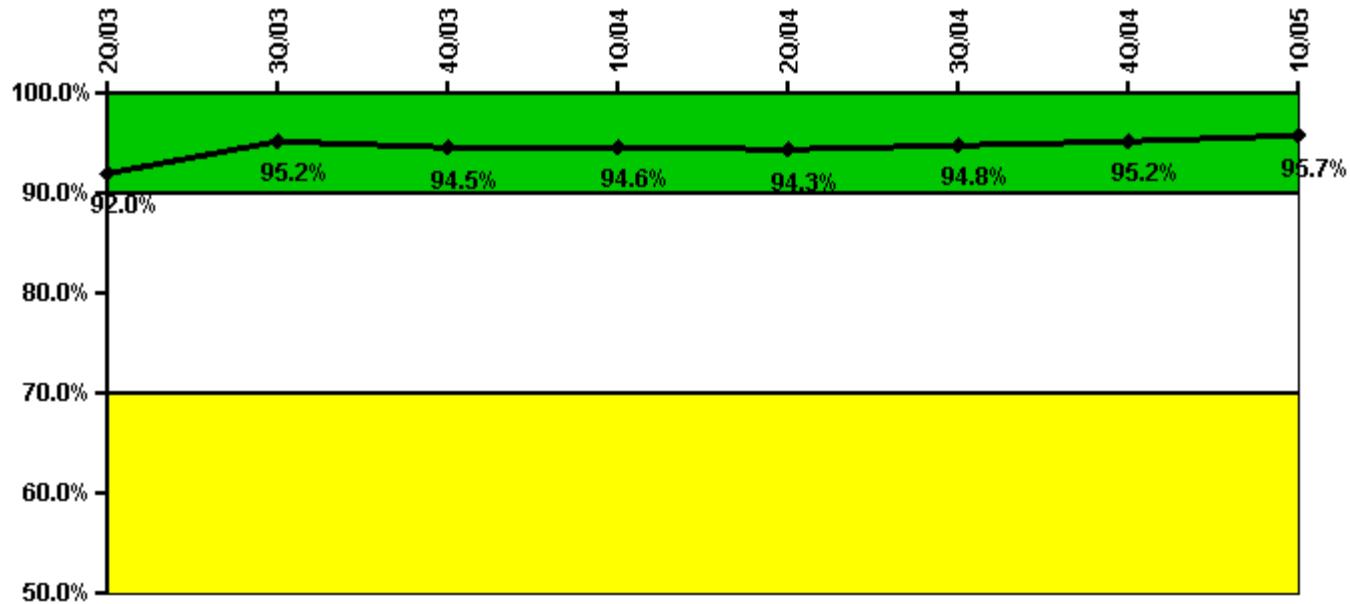
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	1.680	1.610	1.600	1.640	1.630	1.630	1.590	1.590	1.590	1.630	1.580	1.820
Indicator value	<b>5.6</b>	<b>5.4</b>	<b>5.3</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.4</b>	<b>5.3</b>	<b>6.1</b>
Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	1.730	1.690	1.660	1.680	1.660	1.730	1.720	1.700	1.630	2.350	2.420	2.860
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	<b>5.8</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.5</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.4</b>	<b>7.8</b>	<b>8.1</b>	<b>9.5</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

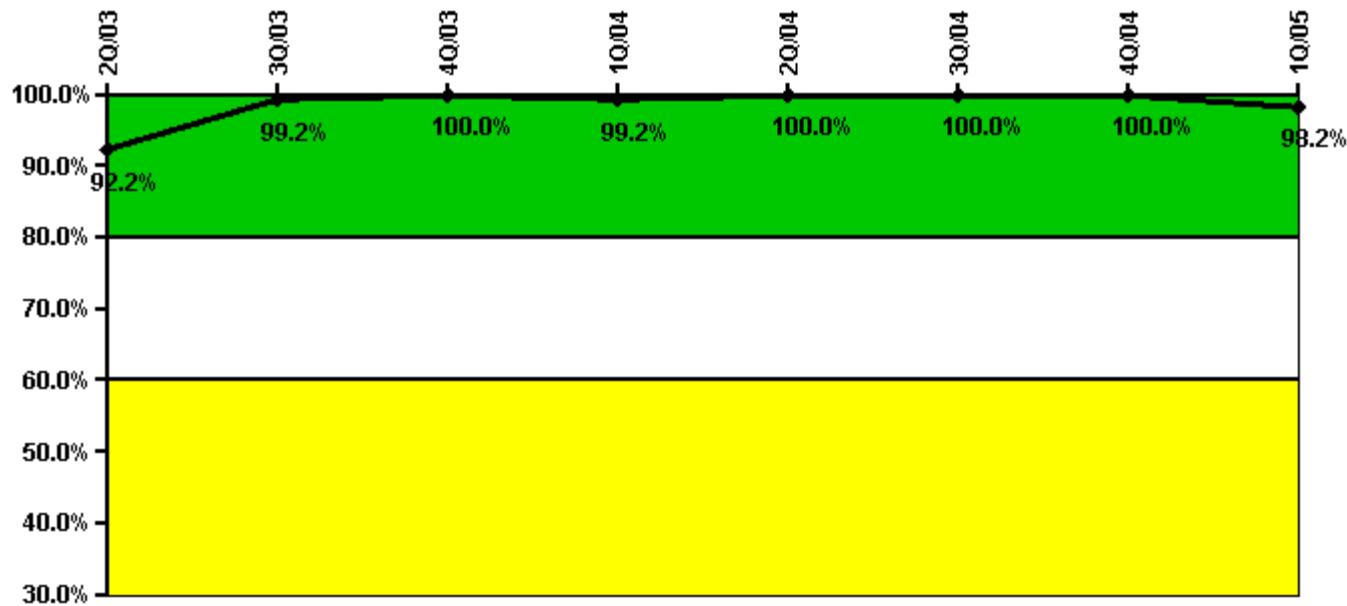
#### Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	6.0	71.0	5.0	2.0	17.0	34.0	18.0	1.0
Total opportunities	8.0	72.0	6.0	2.0	18.0	34.0	19.0	2.0
Indicator value	92.0%	95.2%	94.5%	94.6%	94.3%	94.8%	95.2%	95.7%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	107.0	130.0	128.0	119.0	116.0	111.0	114.0	109.0
Total Key personnel	116.0	131.0	128.0	120.0	116.0	111.0	114.0	111.0
Indicator value	92.2%	99.2%	100.0%	99.2%	100.0%	100.0%	100.0%	98.2%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

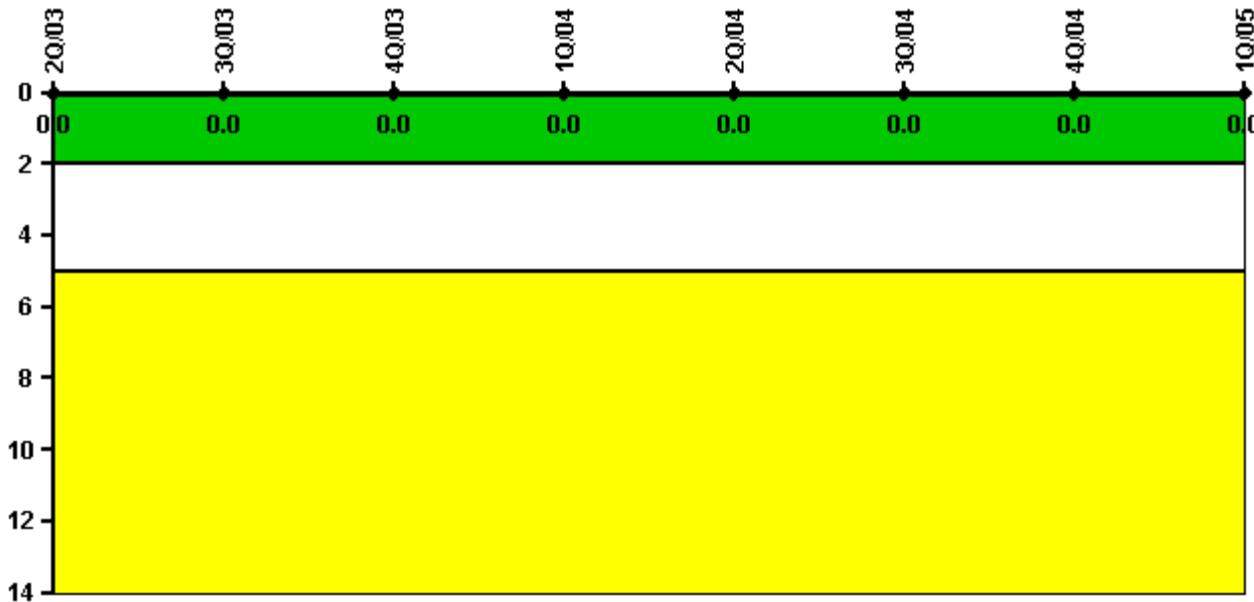
**Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/03</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>	<b>1Q/05</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

1Q/05: Plant Hatch does not use sirens as an emergency notification system.

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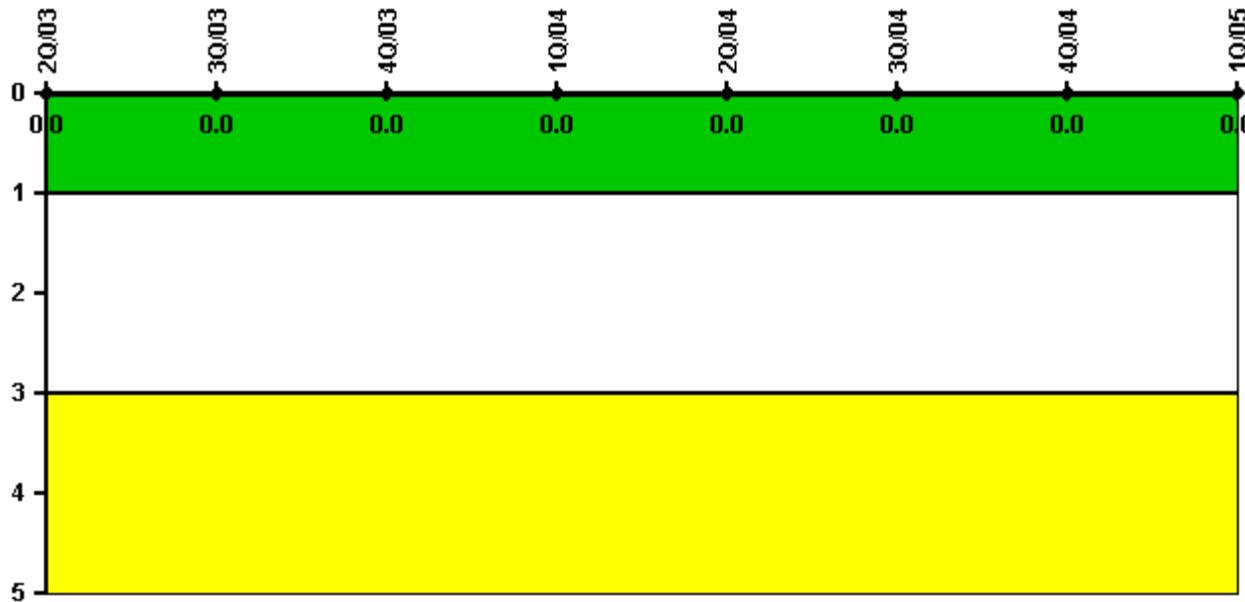
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
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

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
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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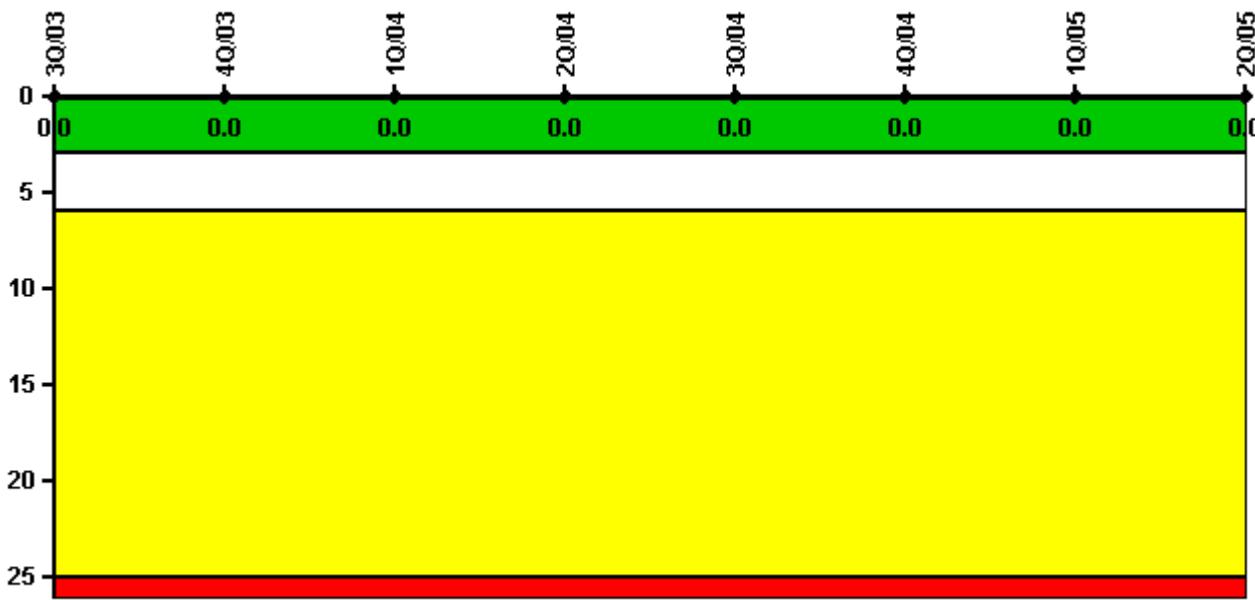


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 17, 2005

**Hatch 1****2Q/2005 Performance Indicators**

Licensee's General Comments: none

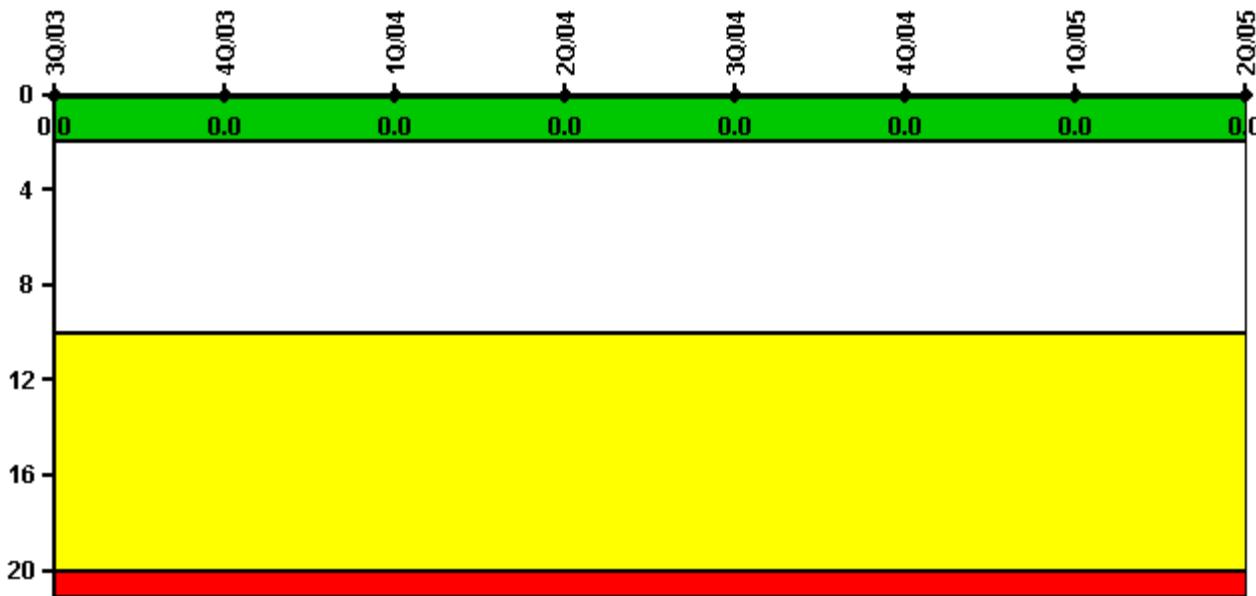
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

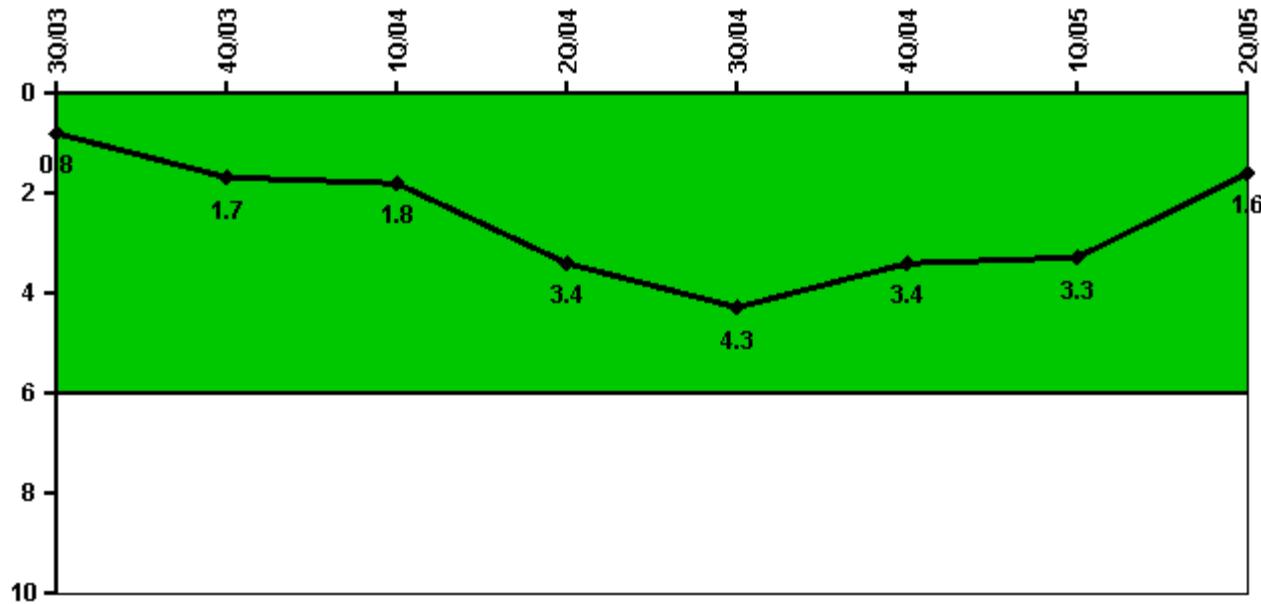
**Notes**

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

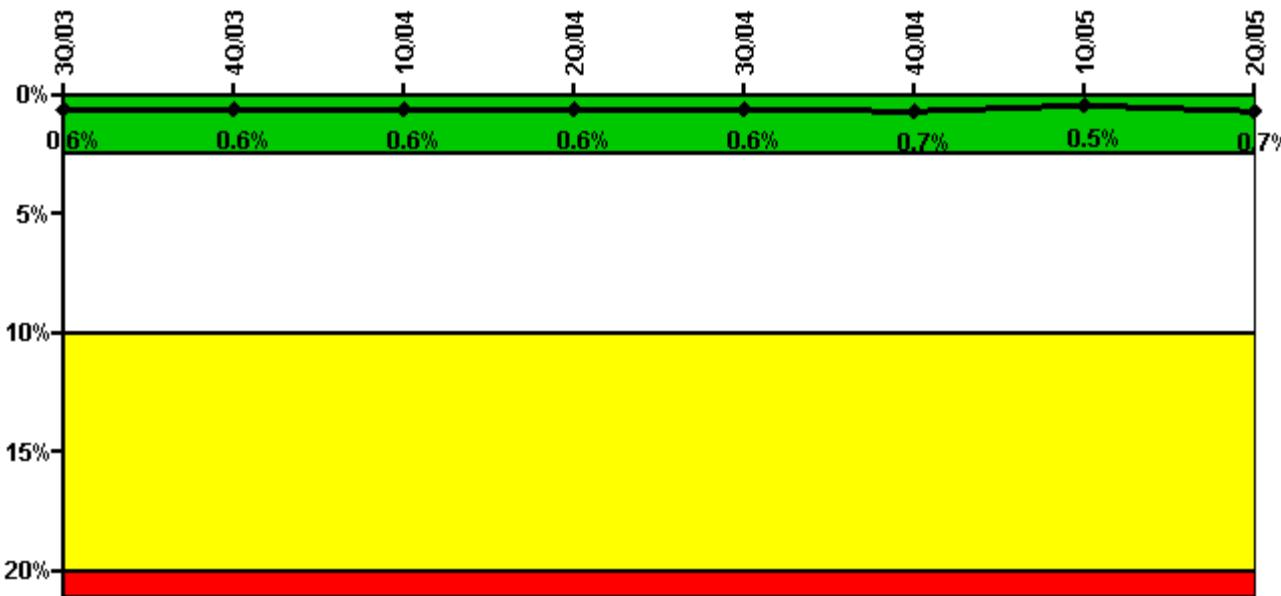
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	0	3.0	1.0	0	0	1.0
Critical hours	2208.0	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0
Indicator value	<b>0.8</b>	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>	<b>1.6</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0.43	0	0	5.87	105.72
Unplanned unavailable hours	0	18.87	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	14.50	15.97	0	0.15	32.75	30.48	32.43	0.17
Unplanned unavailable hours	0	0	0	0	0	119.30	0	9.02
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	0	0	0	2.06	1.55	33.08	7.10	1.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



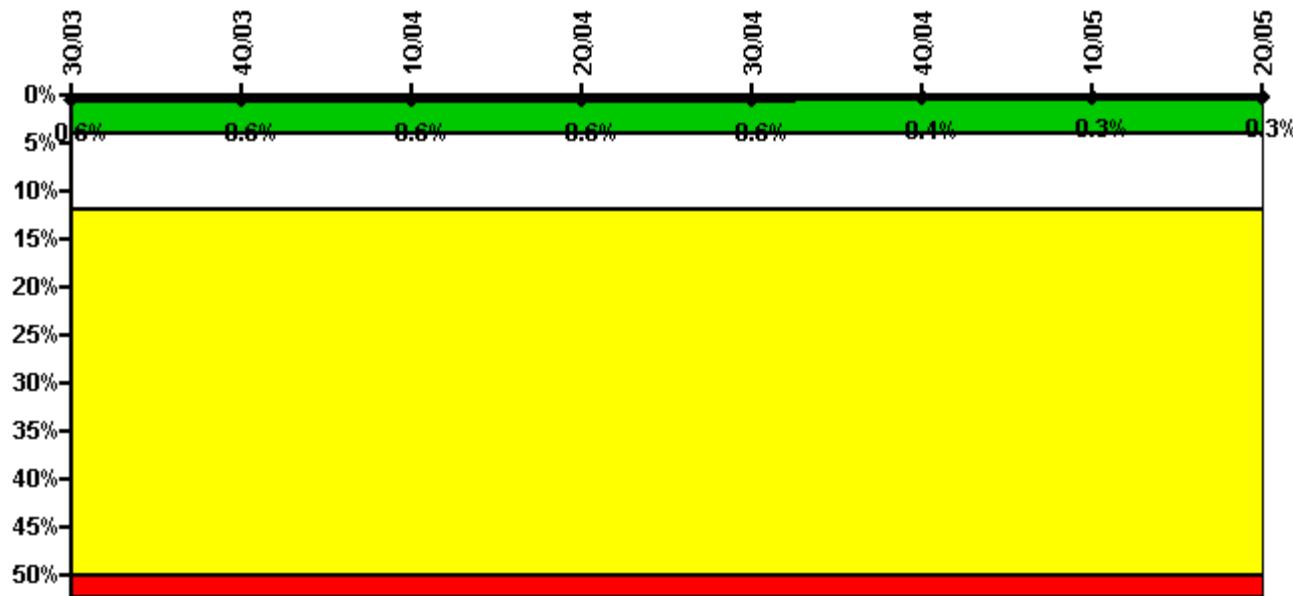
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

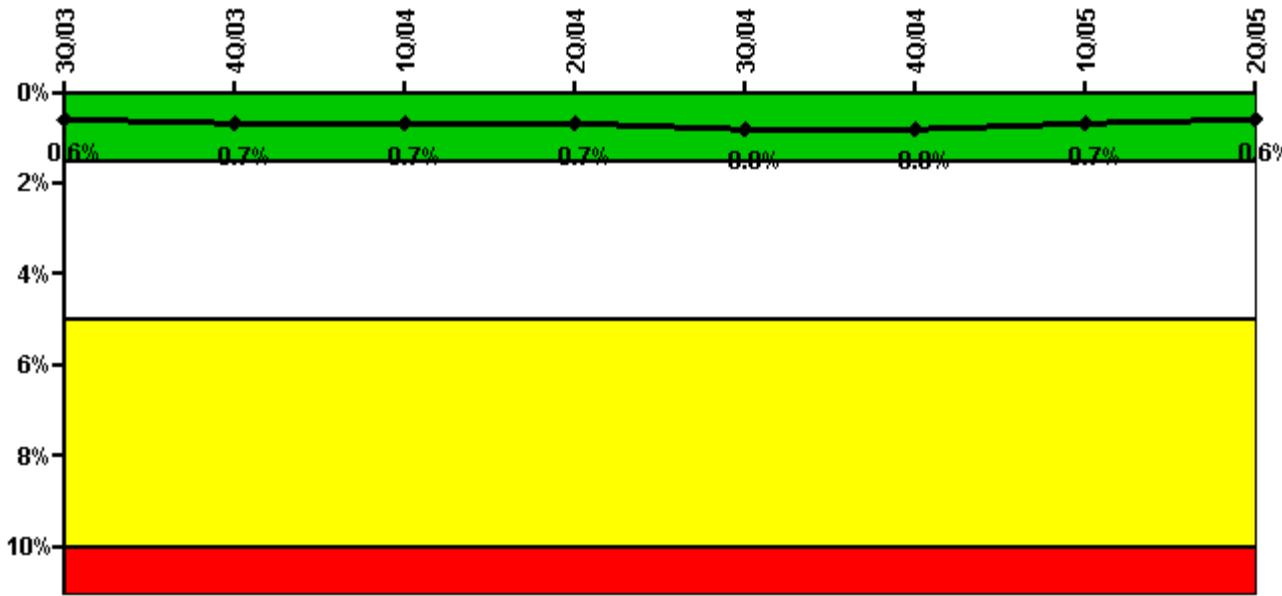
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	0.83	0.42	5.91	3.92	2.50	0.52	0.45	14.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

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## **Safety System Unavailability, Residual Heat Removal System**

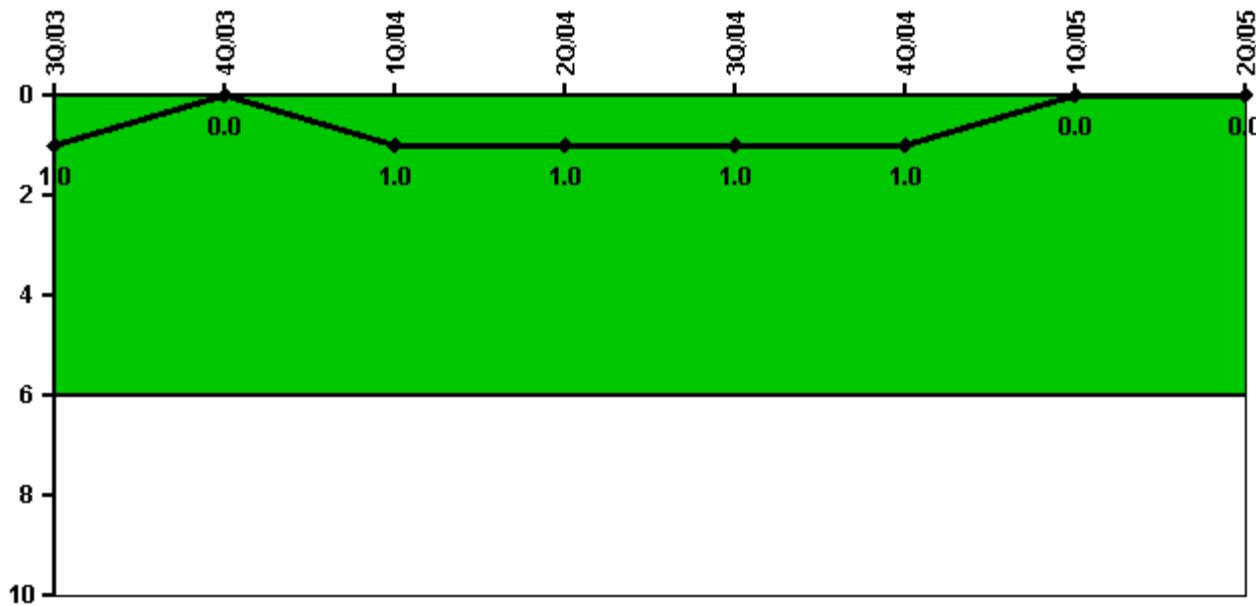


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	26.31	3.27	0	0	25.99	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	42.60	83.67	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0	45.42	11.66	0	20.37	0	0.24	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.6%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

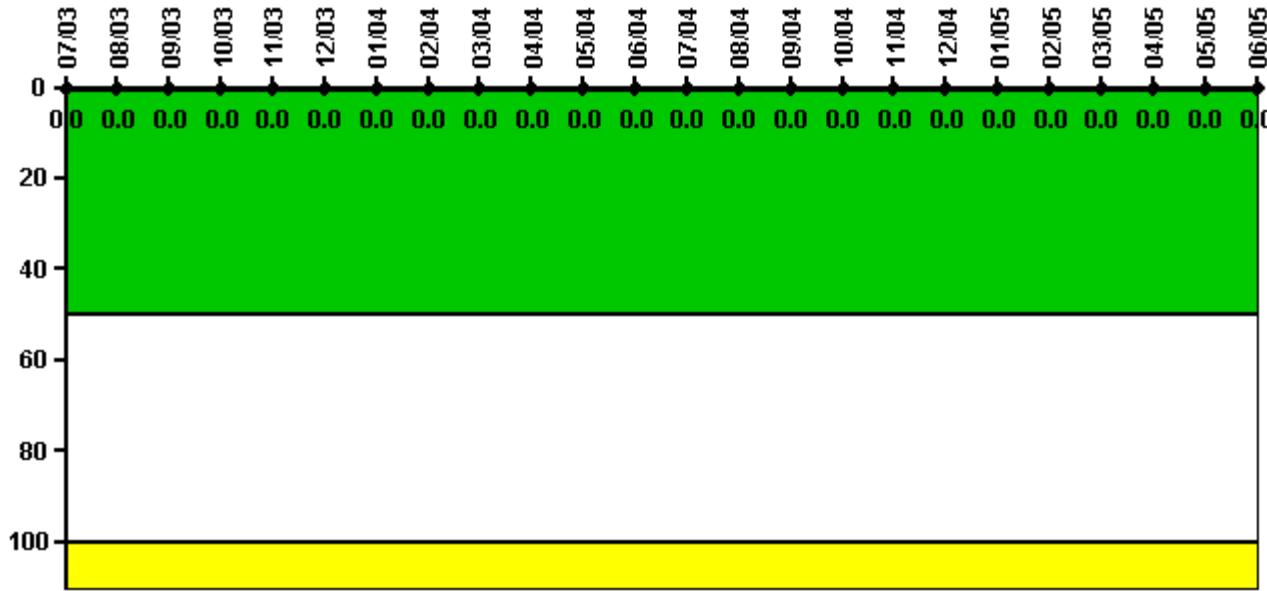
**Notes**

Safety System Functional Failures (BWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	1	0	1	1	1	1	0	0

Licensee Comments: none

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## Reactor Coolant System Activity



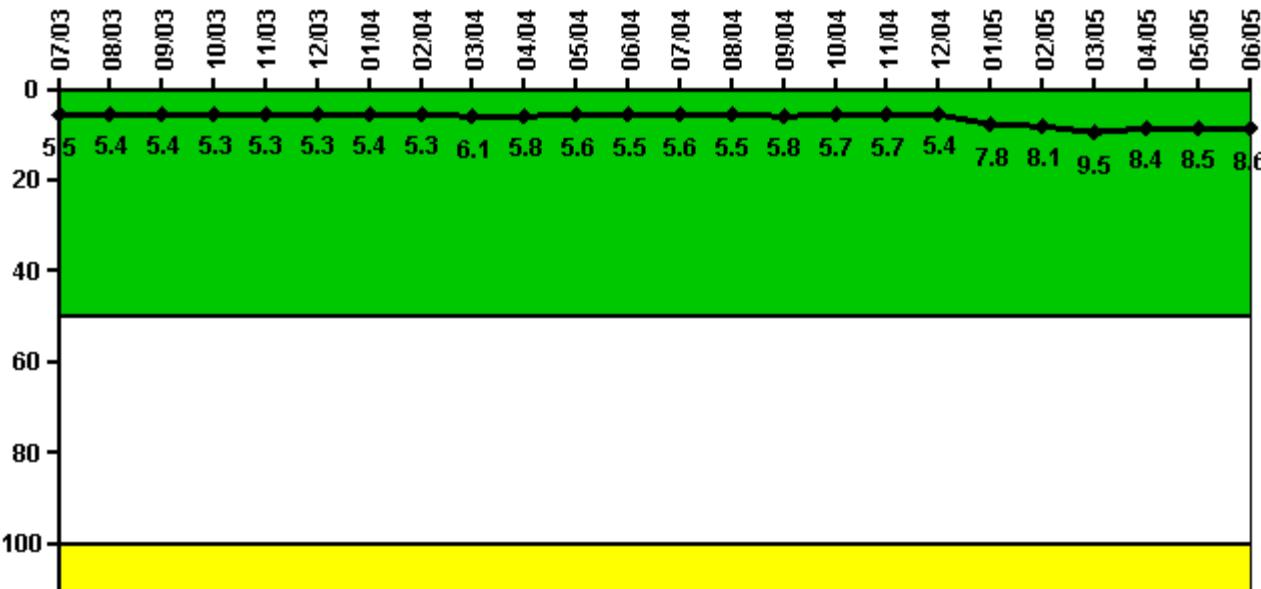
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000008	0.000006	0.000010	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



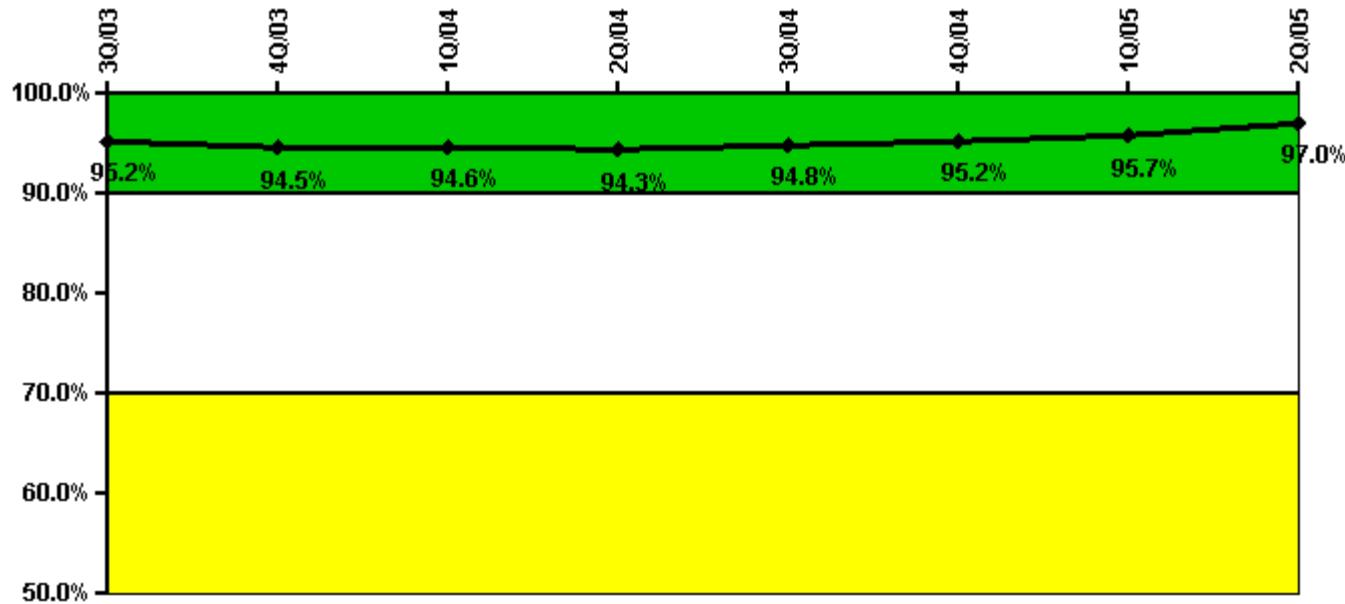
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.640	1.630	1.630	1.590	1.590	1.590	1.630	1.580	1.820	1.730	1.690	1.660
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	5.5	5.4	5.4	5.3	5.3	5.3	5.4	5.3	6.1	5.8	5.6	5.5
Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	1.680	1.660	1.730	1.720	1.700	1.630	2.350	2.420	2.860	2.530	2.560	2.580
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	5.6	5.5	5.8	5.7	5.7	5.4	7.8	8.1	9.5	8.4	8.5	8.6

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

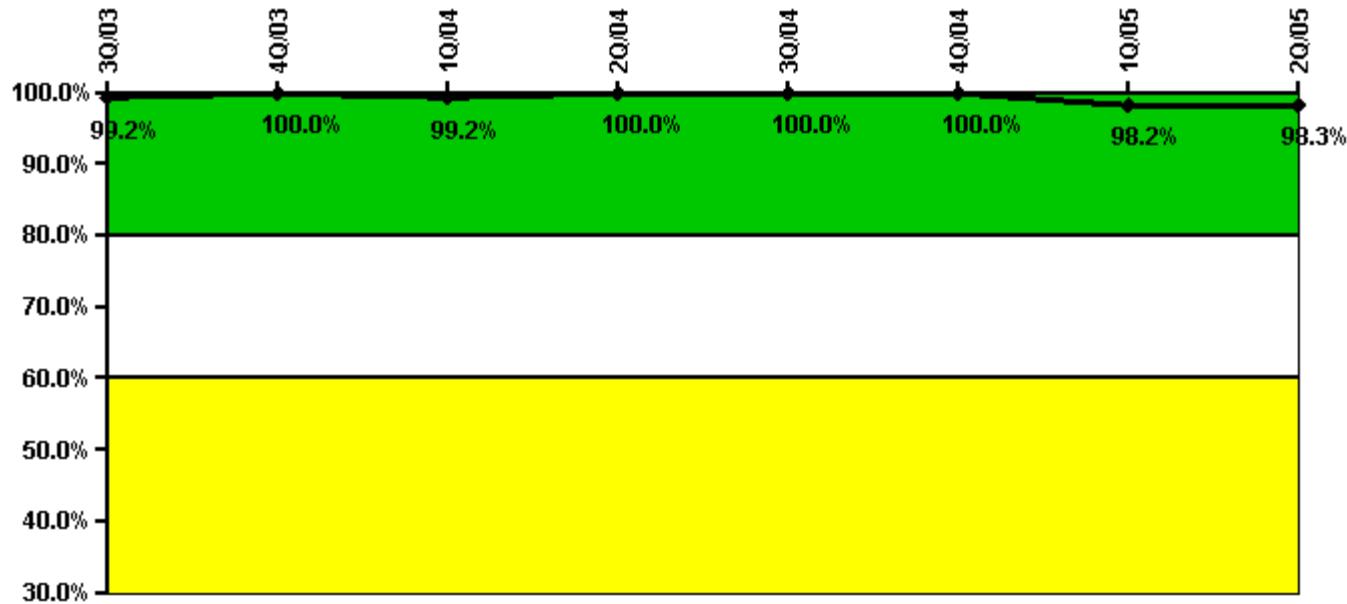
#### Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	71.0	5.0	2.0	17.0	34.0	18.0	1.0	14.0
Total opportunities	72.0	6.0	2.0	18.0	34.0	19.0	2.0	14.0
Indicator value	95.2%	94.5%	94.6%	94.3%	94.8%	95.2%	95.7%	97.0%

Licensee Comments: none

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### ERO Drill Participation



#### Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	130.0	128.0	119.0	116.0	111.0	114.0	109.0	119.0
Total Key personnel	131.0	128.0	120.0	116.0	111.0	114.0	111.0	121.0
Indicator value	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.2%</b>	<b>98.3%</b>

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

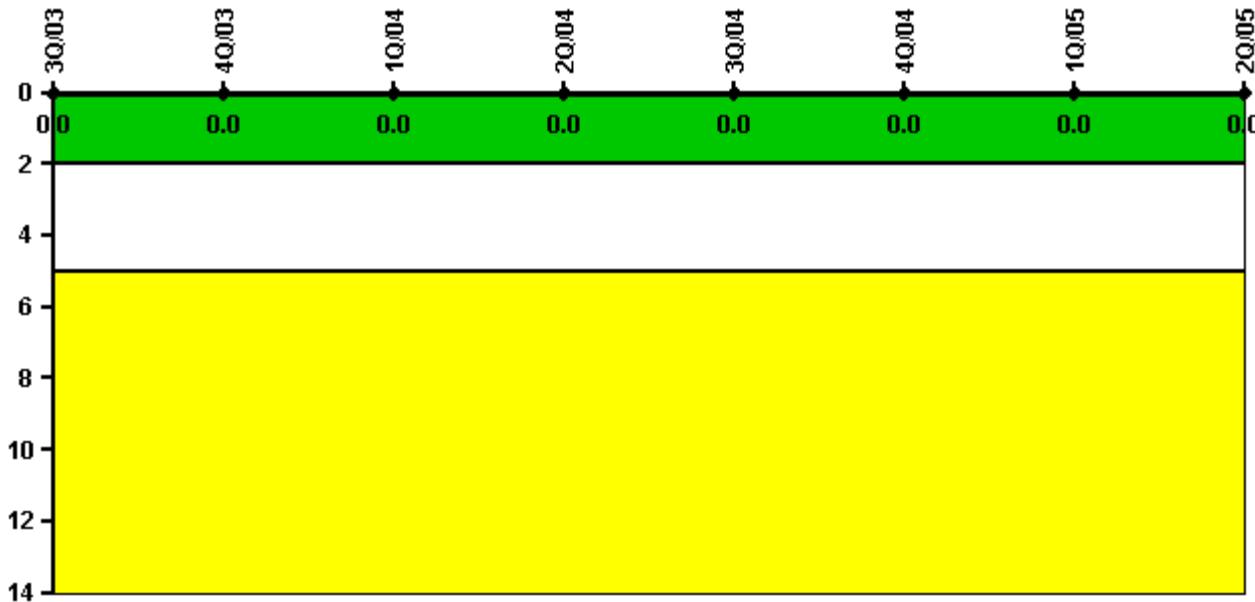
**Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/03</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>	<b>1Q/05</b>	<b>2Q/05</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

2Q/05: Plant Hatch does not use sirens as an emergency notification system.

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**Occupational Exposure Control Effectiveness**

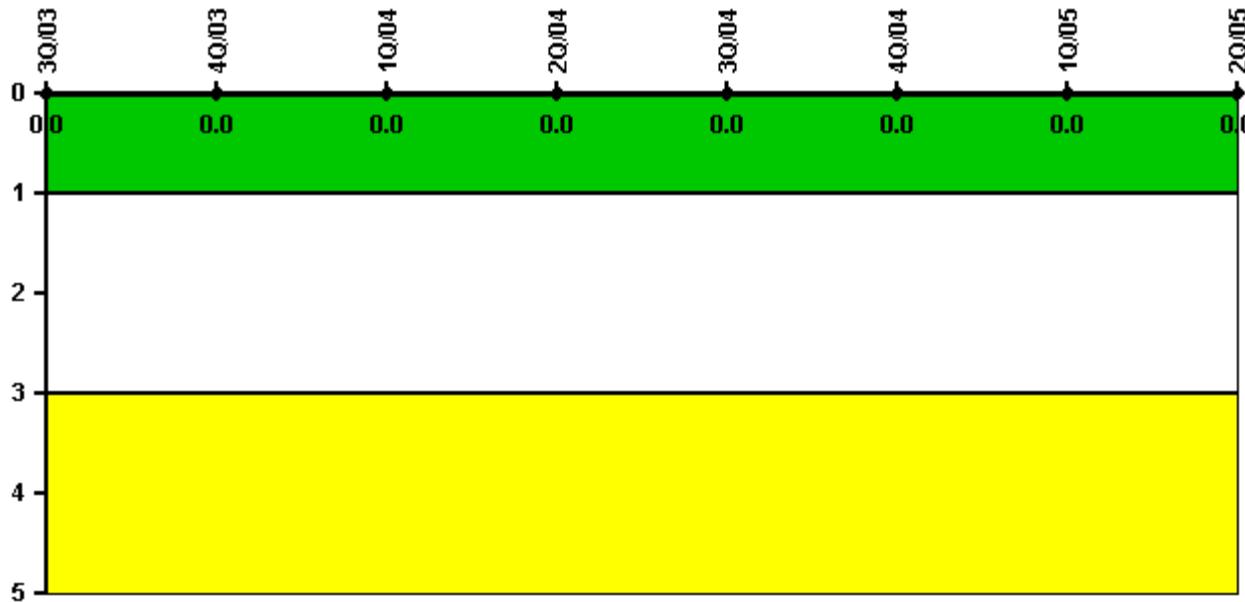
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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

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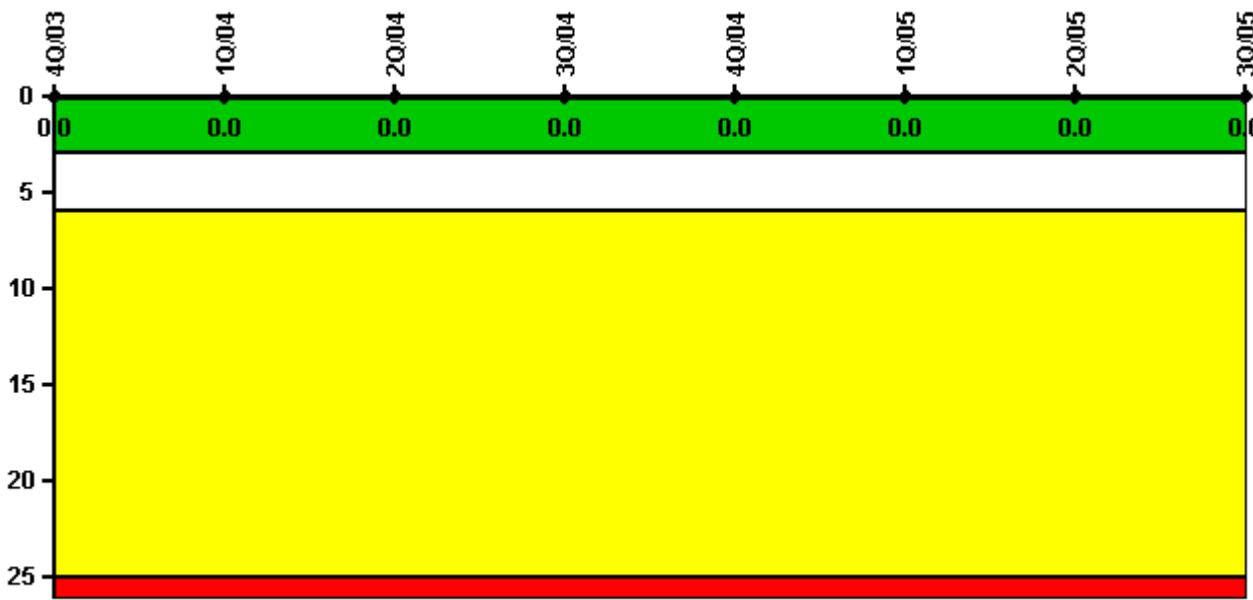


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 3, 2005

**Hatch 1****3Q/2005 Performance Indicators**

Licensee's General Comments: none

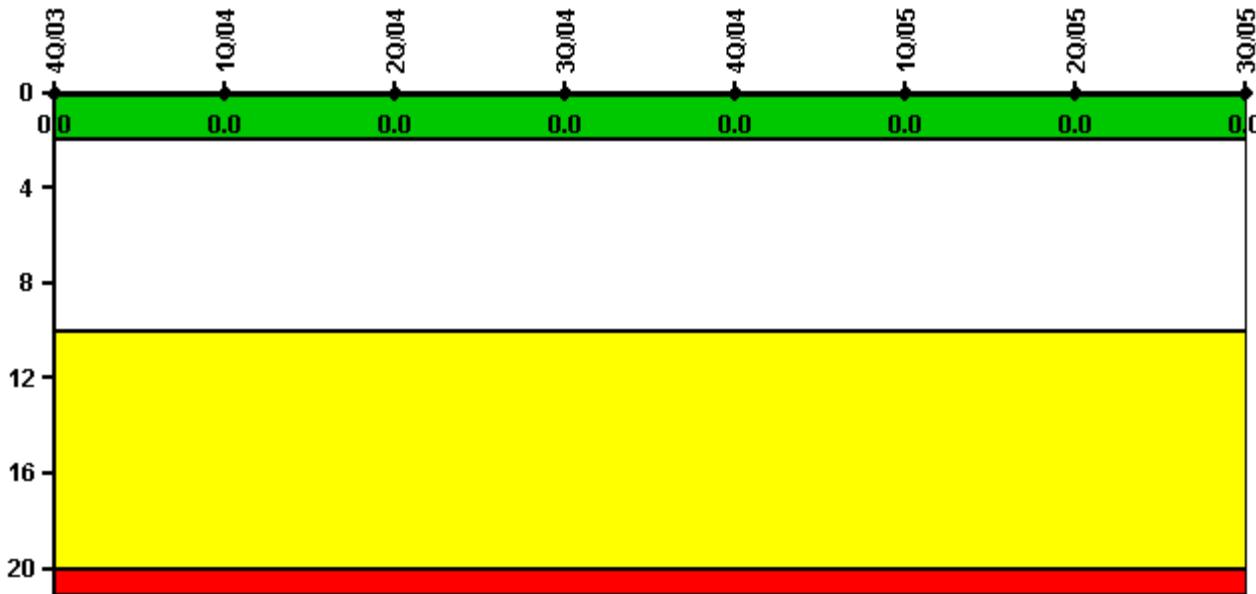
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

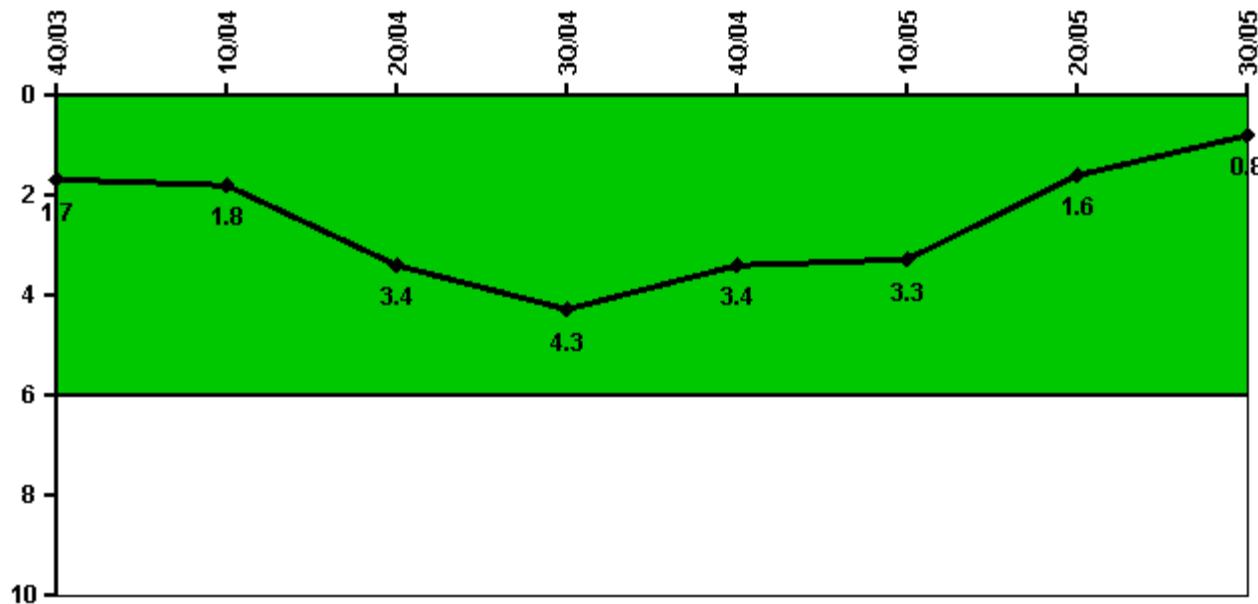
**Notes**

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

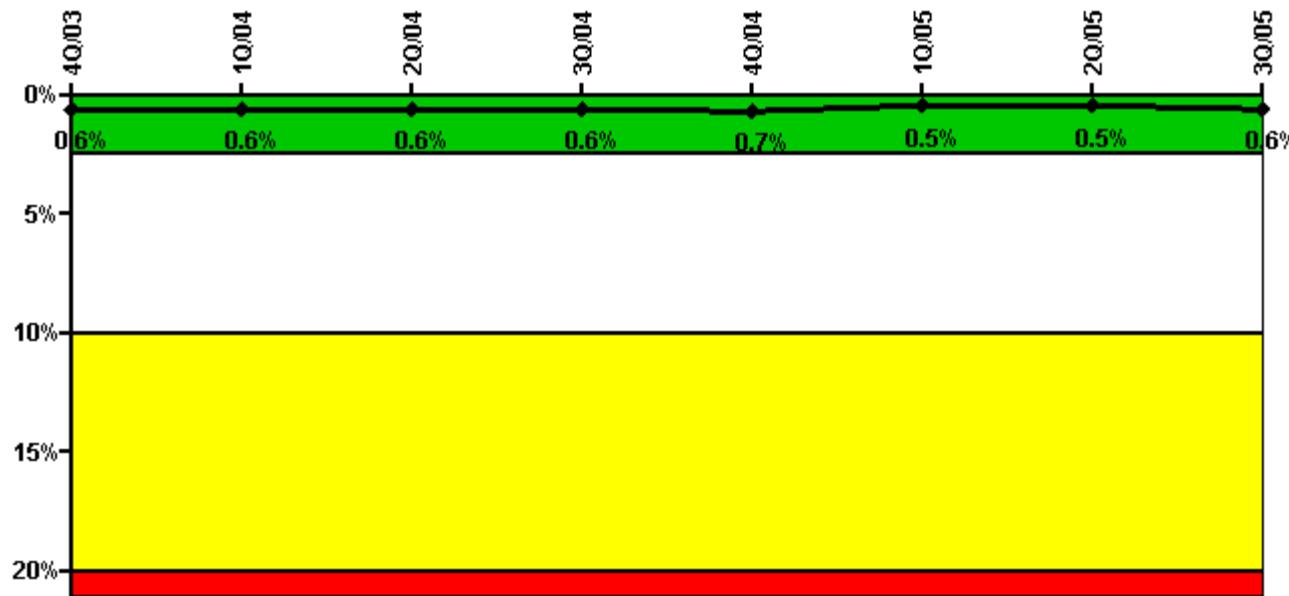
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	1.0	0	3.0	1.0	0	0	1.0	0
Critical hours	2209.0	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0
Indicator value	<b>1.7</b>	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>	<b>1.6</b>	<b>0.8</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

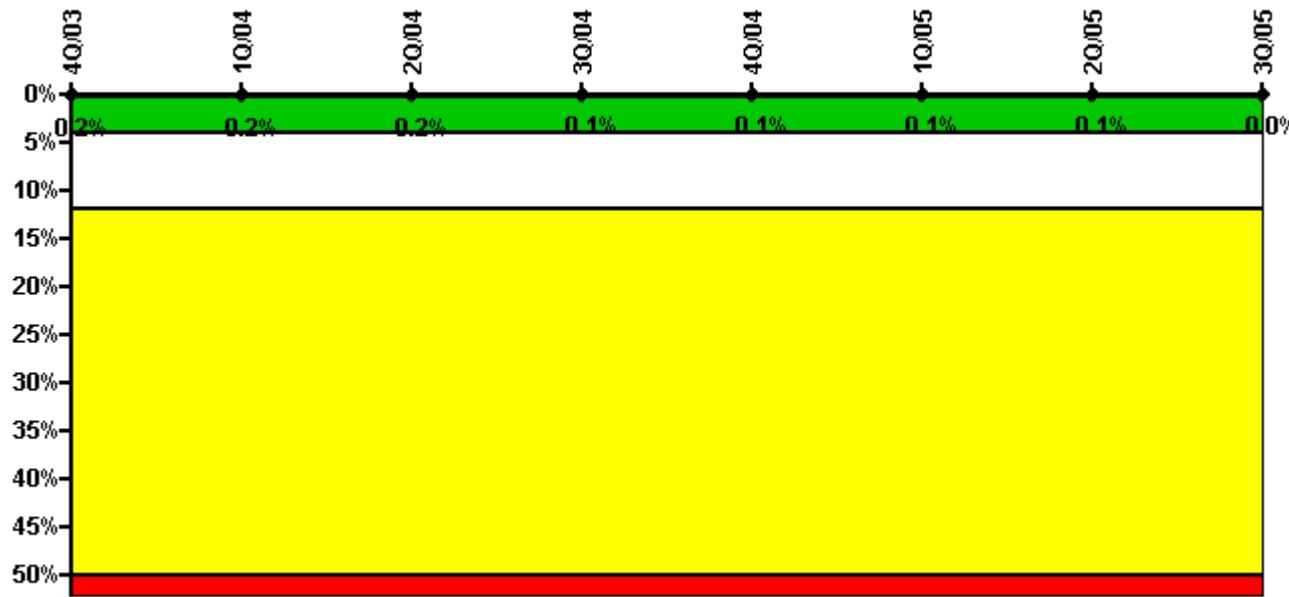
Safety System Unavailability, Emergency AC Power, >2EDG	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0.43	0	0	5.87	11.52	5.72
Unplanned unavailable hours	18.87	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	15.97	0	0.15	32.75	30.48	32.43	0.17	5.72
Unplanned unavailable hours	0	0	0	0	119.30	0	9.02	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	0	0	2.06	1.55	33.08	7.10	1.80	5.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>

### Licensee Comments:

3Q/05: 2005-07, Trains 1 & 2: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

2Q/05: Changed April data from 105.567 planned hours to 11.367 planned hours due to 94.2 hours of a system outage for a overhaul being counted in the hours for the 1A EDG

## Safety System Unavailability, High Pressure Injection System (HPCI)



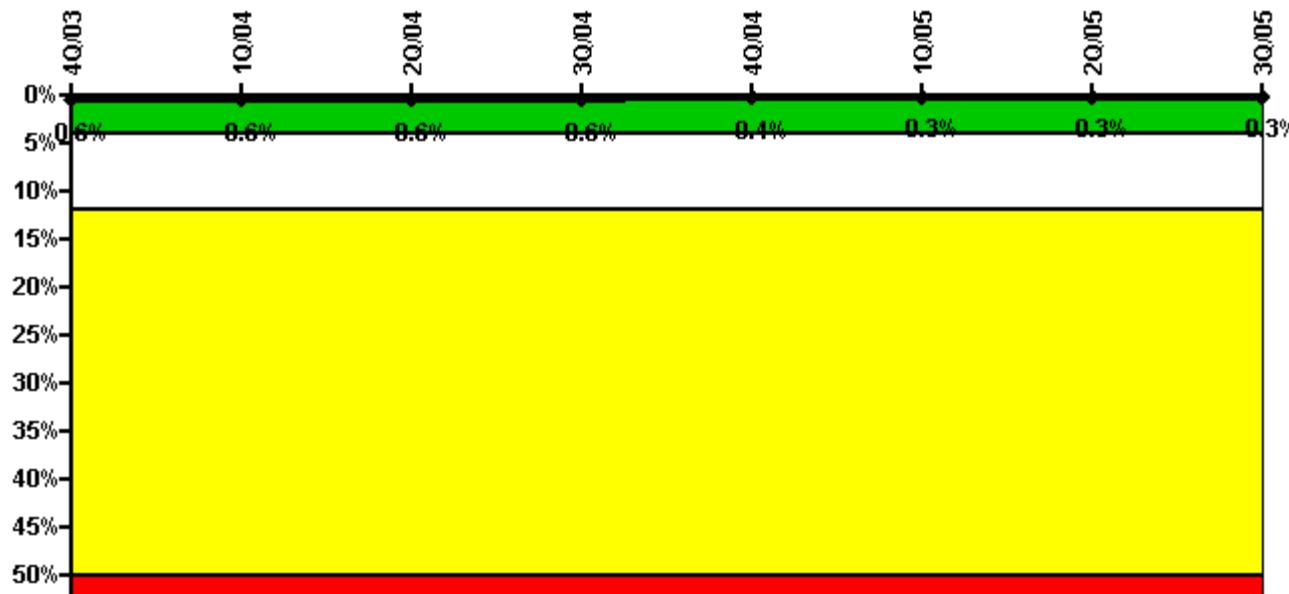
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0%</b>

Licensee Comments:

3Q/05: 2005-08: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

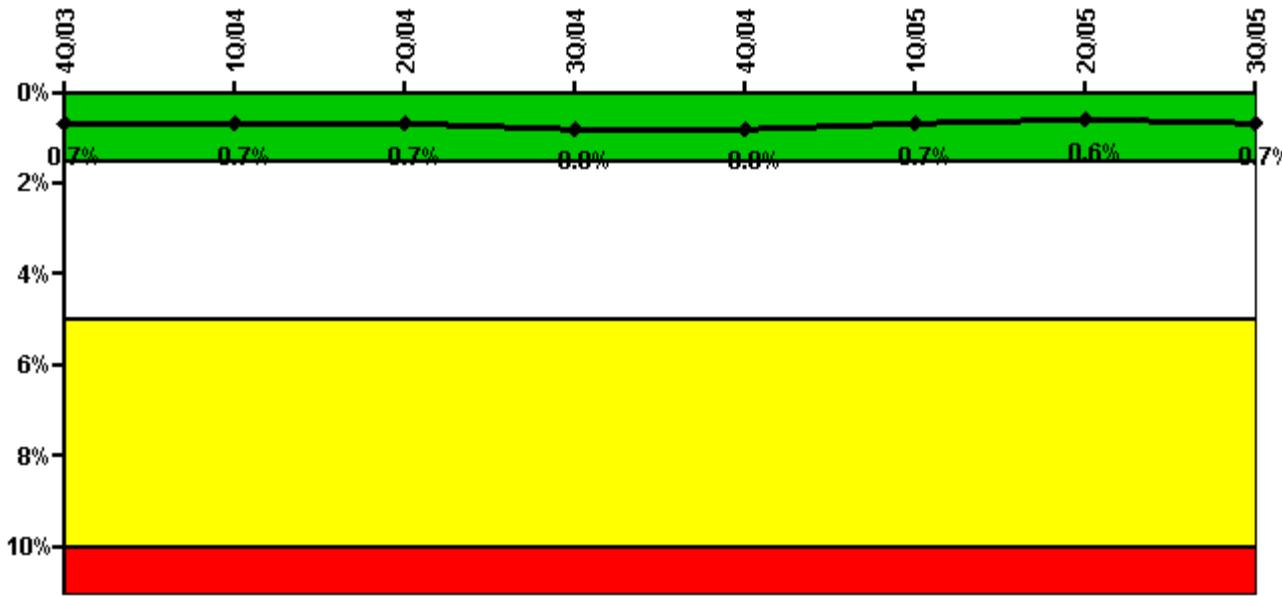
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	0.42	5.91	3.92	2.50	0.52	0.45	14.08	0.42
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

### Licensee Comments:

3Q/05: 2008-07: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Unavailability, Residual Heat Removal System



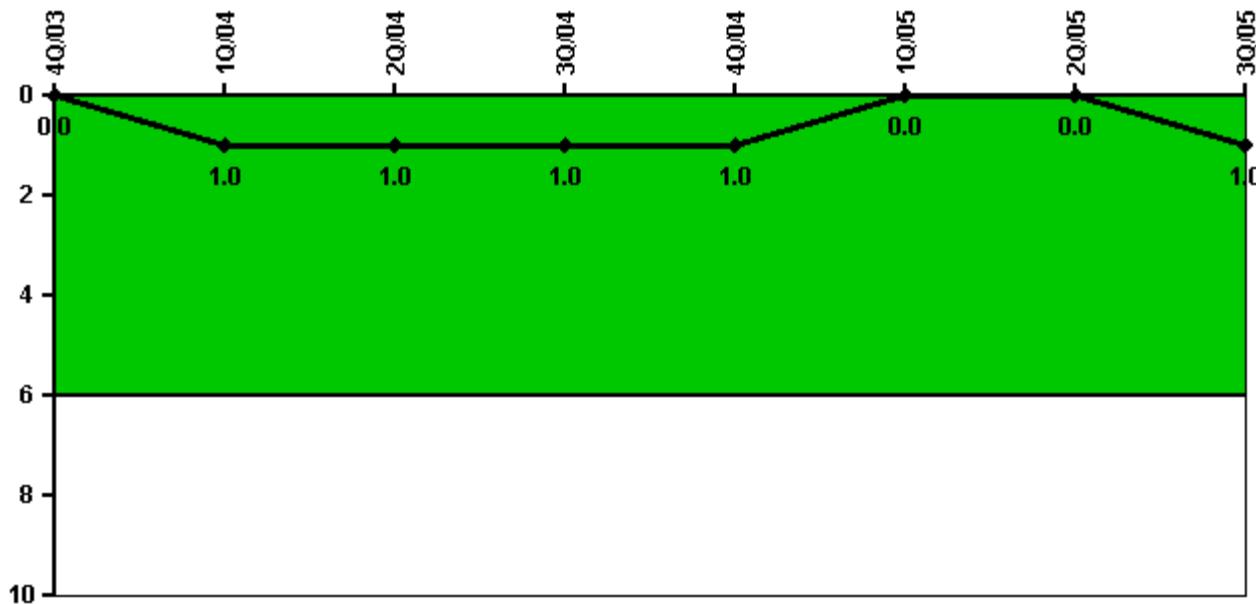
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	3.27	0	0	25.99	0	0	0	115.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	83.67	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	45.42	11.66	0	20.37	0	0.24	0	1.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>

### Licensee Comments:

3Q/05: 2005-07, Trains 1 & 2; 2005-08, Train 1; 2005-09, Train 2: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

**Notes**

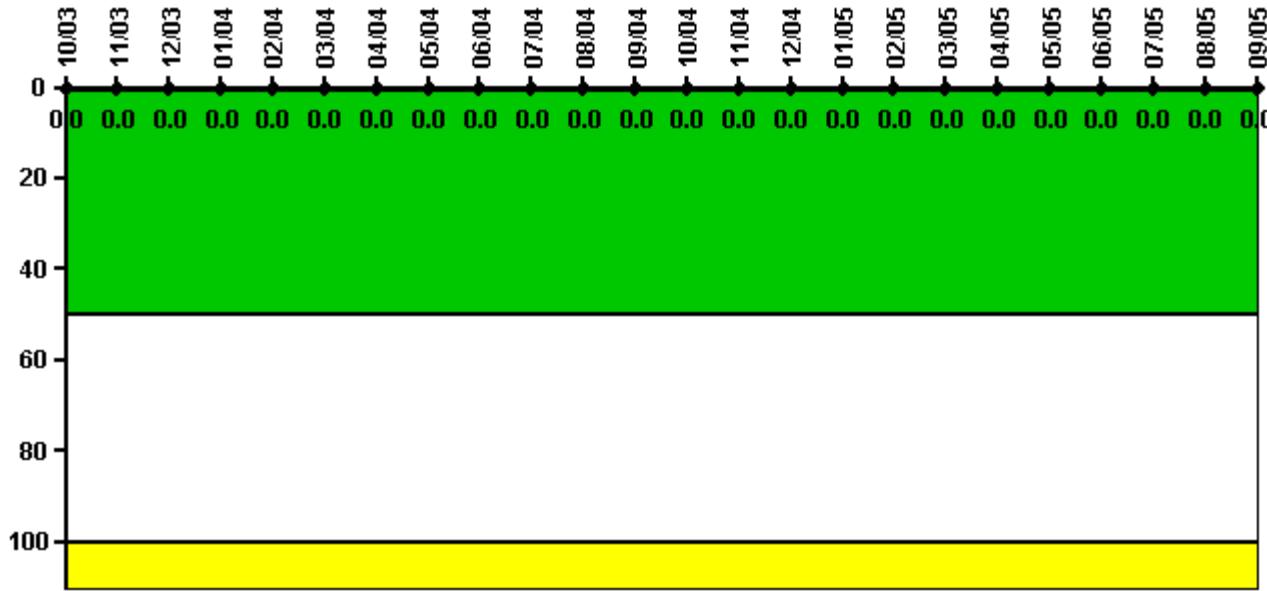
Safety System Functional Failures (BWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	0	1	1	1	1	0	0	1

Licensee Comments:

3Q/05: LER reported in August is LER 2005-001.

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## Reactor Coolant System Activity



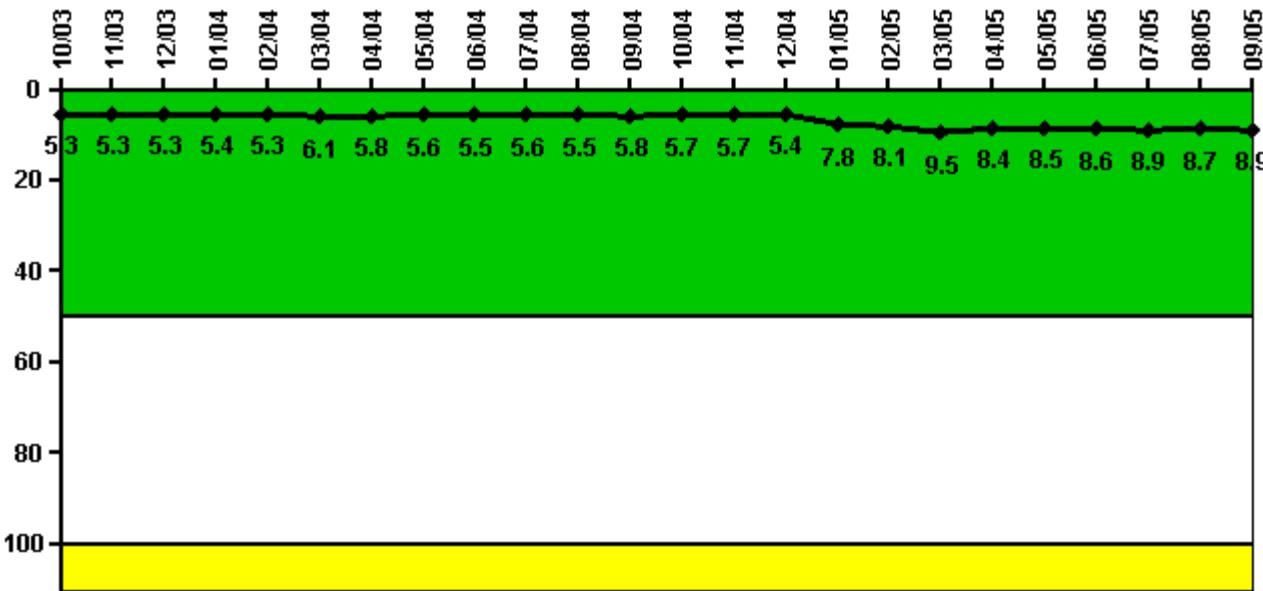
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000020	0.000020	0.000010	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009	0.000010	0.000010	0.000010
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



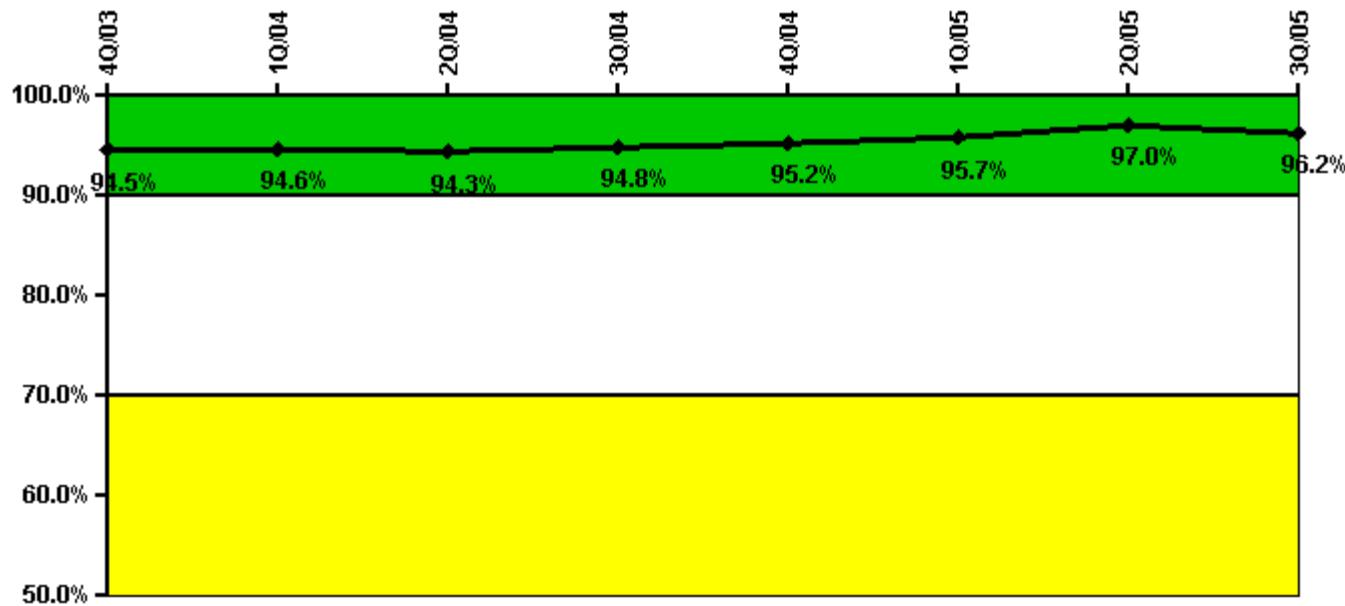
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	1.590	1.590	1.590	1.630	1.580	1.820	1.730	1.690	1.660	1.680	1.660	1.730
Indicator value	5.3	5.3	5.3	5.4	5.3	6.1	5.8	5.6	5.5	5.6	5.5	5.8
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	1.720	1.700	1.630	2.350	2.420	2.860	2.530	2.560	2.580	2.670	2.600	2.670
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	5.7	5.4	7.8	8.1	9.5	8.4	8.5	8.6	8.9	8.7	8.9

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

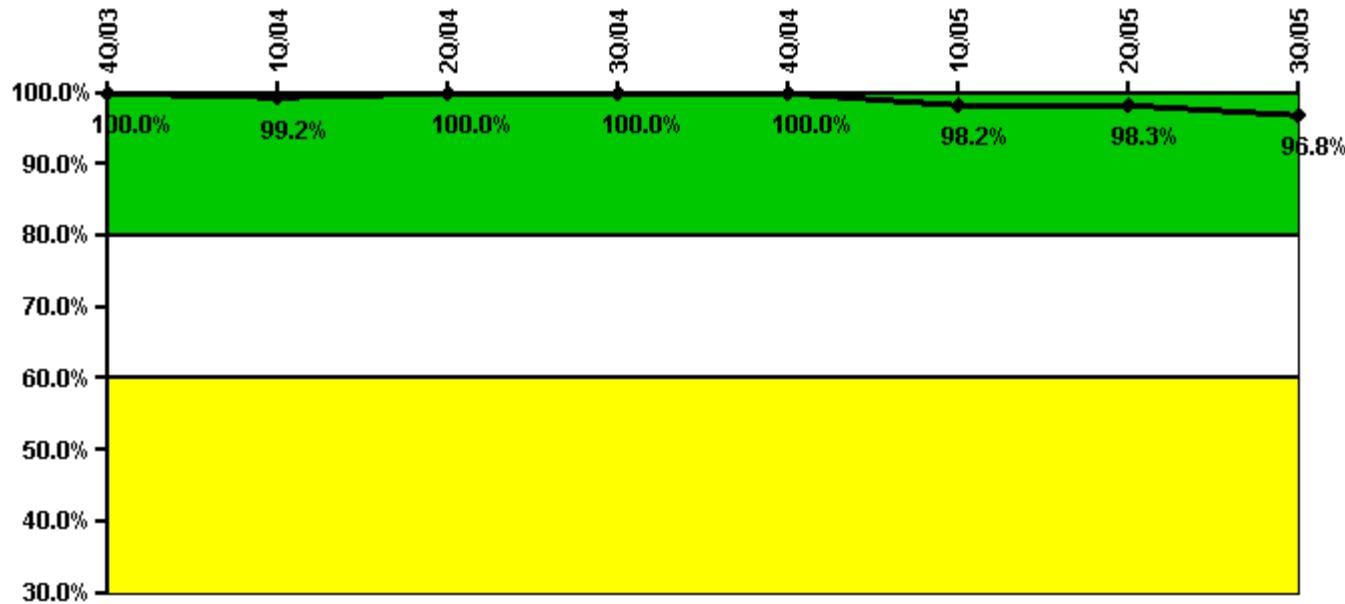
#### Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	5.0	2.0	17.0	34.0	18.0	1.0	14.0	37.0
Total opportunities	6.0	2.0	18.0	34.0	19.0	2.0	14.0	38.0
Indicator value	94.5%	94.6%	94.3%	94.8%	95.2%	95.7%	97.0%	96.2%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	128.0	119.0	116.0	111.0	114.0	109.0	119.0	120.0
Total Key personnel	128.0	120.0	116.0	111.0	114.0	111.0	121.0	124.0
Indicator value	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>96.8%</b>

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

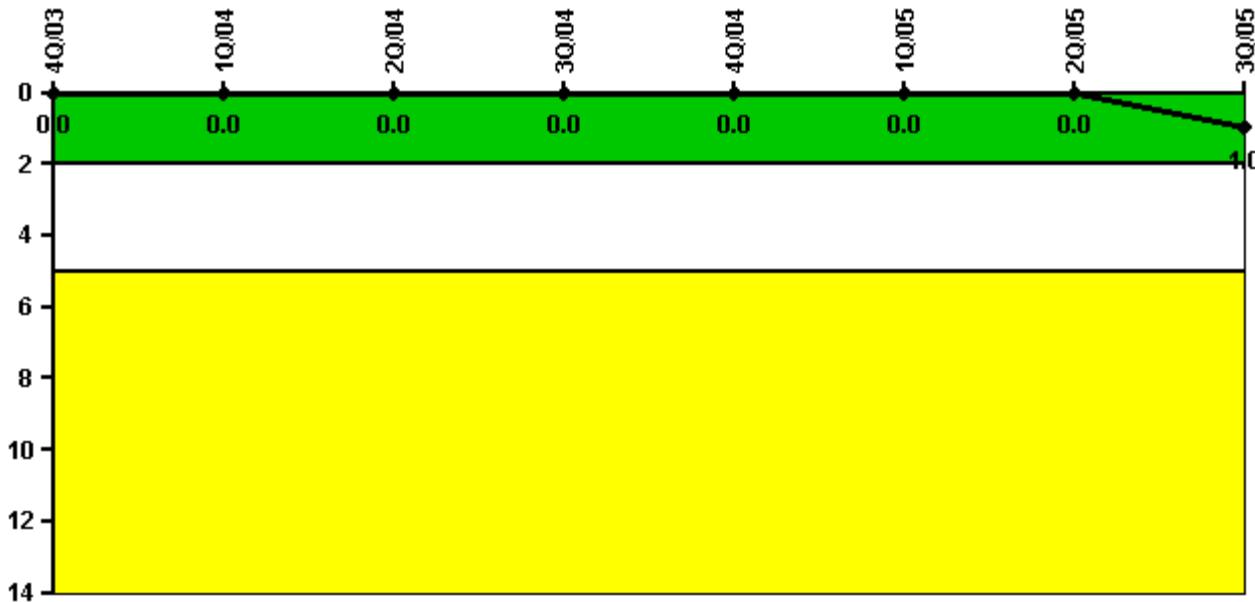
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/03</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>	<b>1Q/05</b>	<b>2Q/05</b>	<b>3Q/05</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

3Q/05: Plant Hatch does not use sirens as an emergency notification system.

**Occupational Exposure Control Effectiveness**

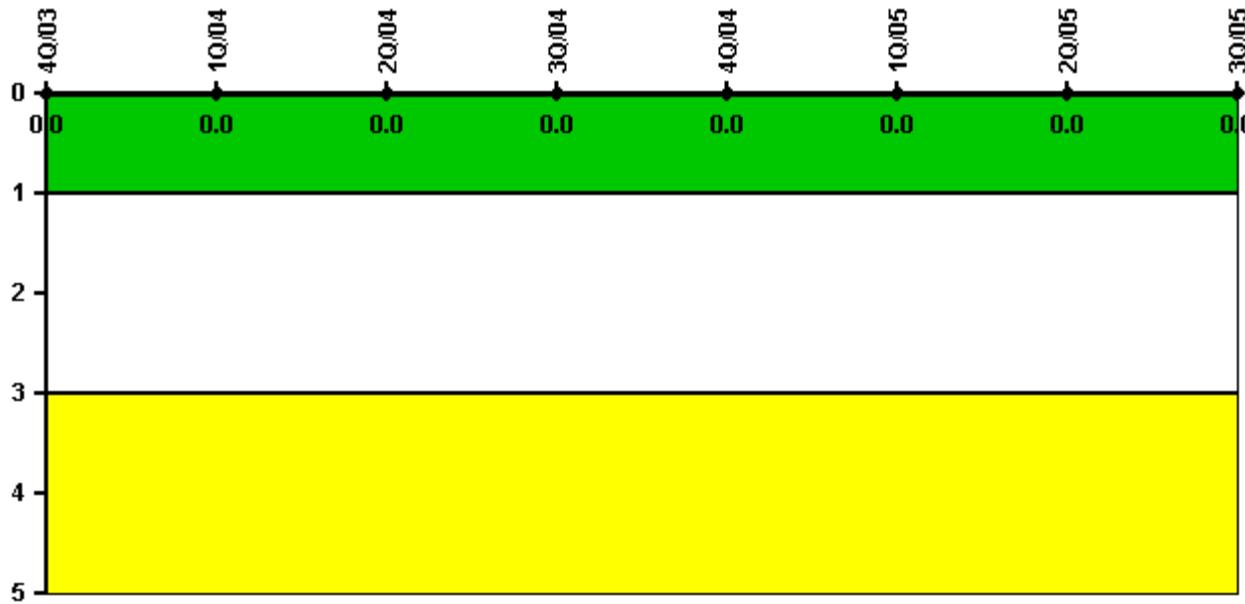
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
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	1
<b>Indicator value</b>	<b>0</b>	<b>1</b>						

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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

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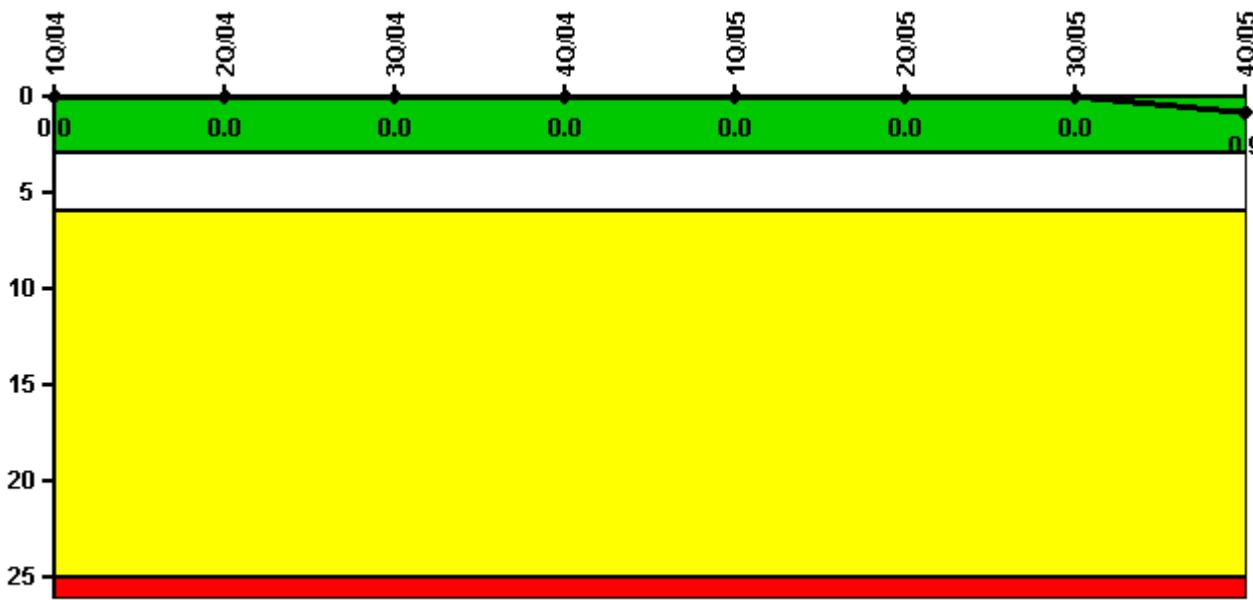


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: November 3, 2005

**Hatch 1****4Q/2005 Performance Indicators**

Licensee's General Comments: none

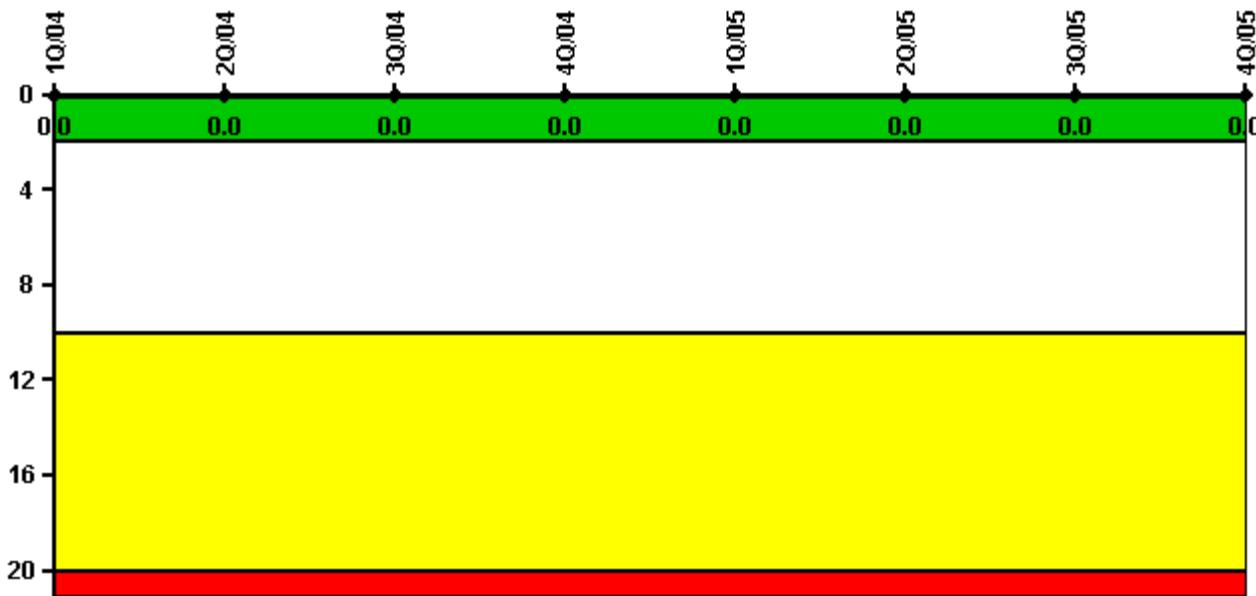
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

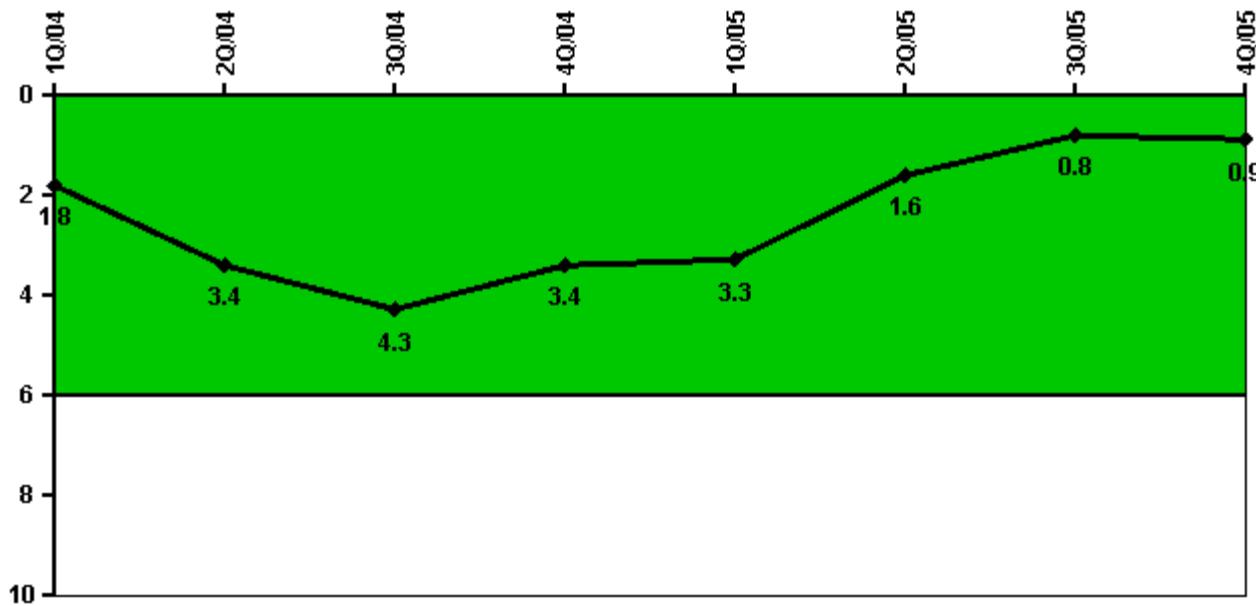
**Notes**

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

---

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

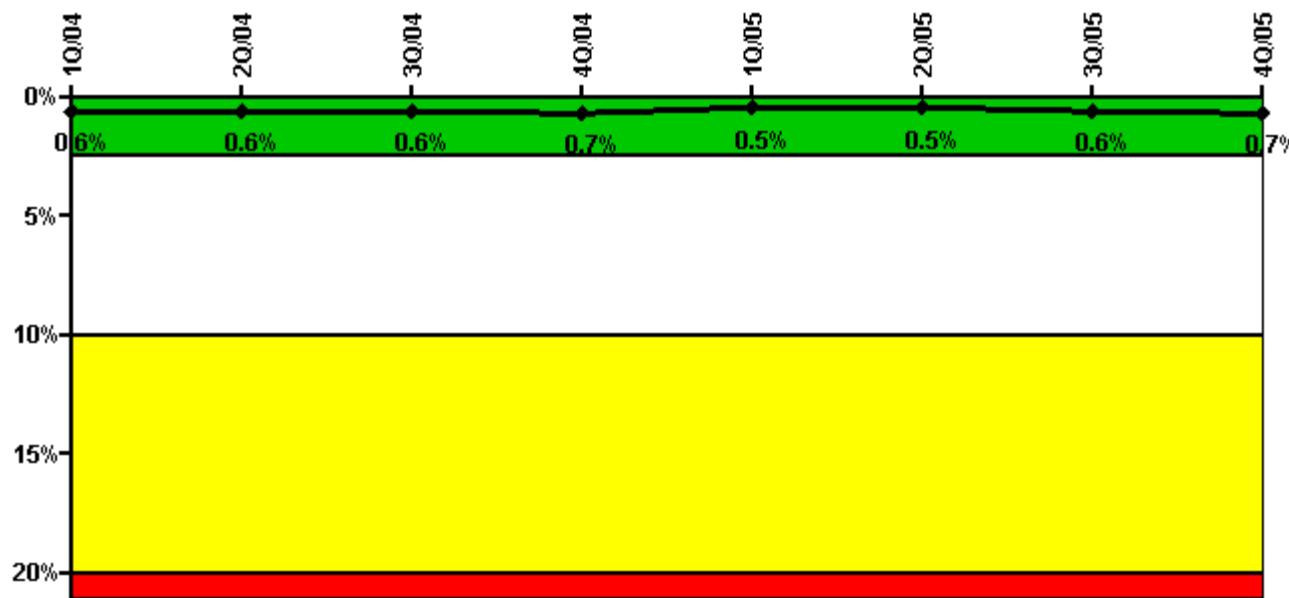
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	3.0	1.0	0	0	1.0	0	0
Critical hours	1519.1	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2
Indicator value	<b>1.8</b>	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>

Licensee Comments: none

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## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0.43	0	0	5.87	11.52	5.72	24.01
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	0.15	32.75	30.48	32.43	0.17	5.72	7.64
Unplanned unavailable hours	0	0	0	119.30	0	9.02	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	0	2.06	1.55	33.08	7.10	1.80	5.48	54.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

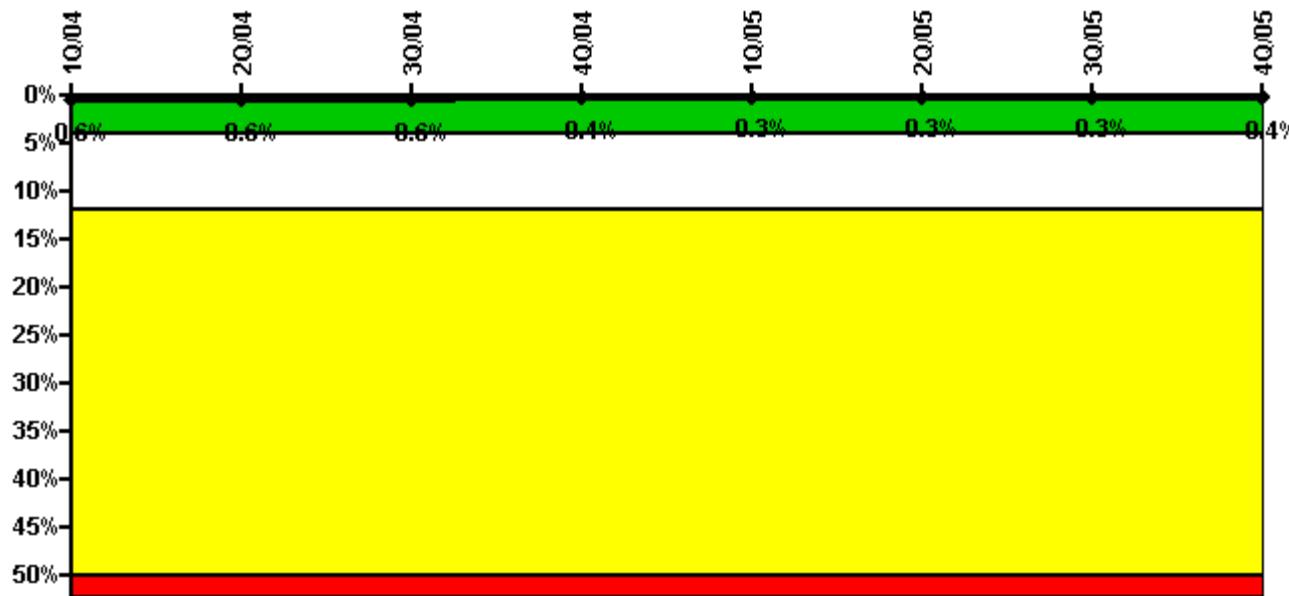
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00	1846.15
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0%</b>	<b>0%</b>

Licensee Comments: none

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## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

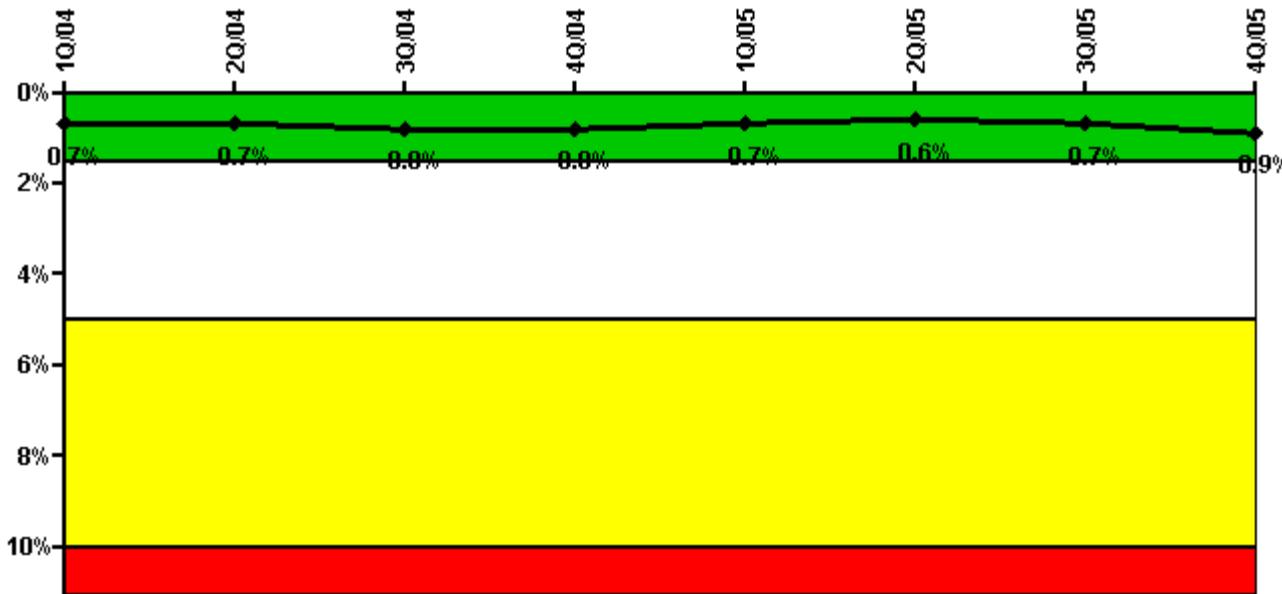
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	5.91	3.92	2.50	0.52	0.45	14.08	0.42	0.68
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1519.13	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00	1846.15
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>

Licensee Comments: none

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## Safety System Unavailability, Residual Heat Removal System

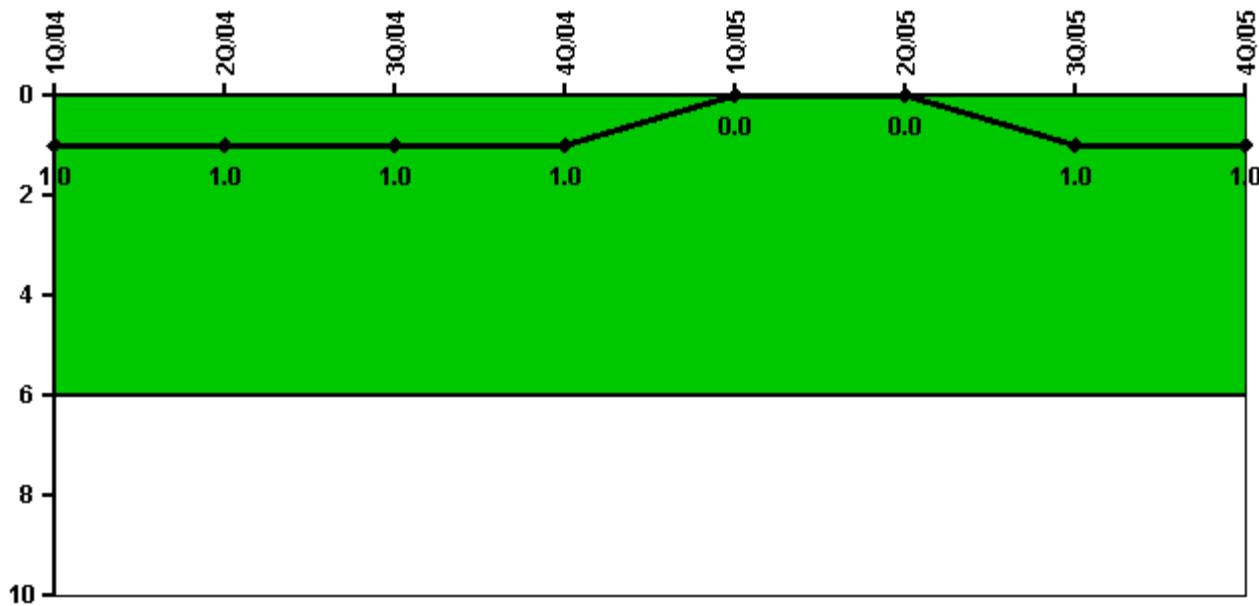


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	0	0	25.99	0	0	0	115.65	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	11.66	0	20.37	0	0.24	0	1.33	71.86
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.9%</b>

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

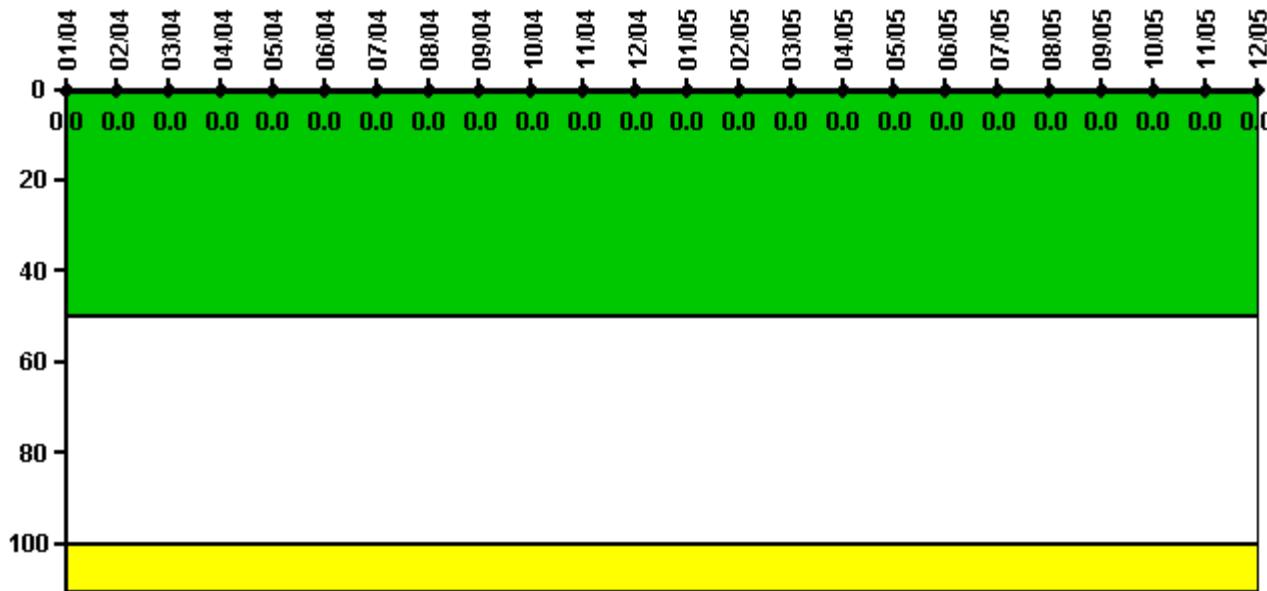
**Notes**

Safety System Functional Failures (BWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	1	0	0	0	0	0	1	0
Indicator value	1	1	1	1	0	0	1	1

Licensee Comments: none

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## Reactor Coolant System Activity



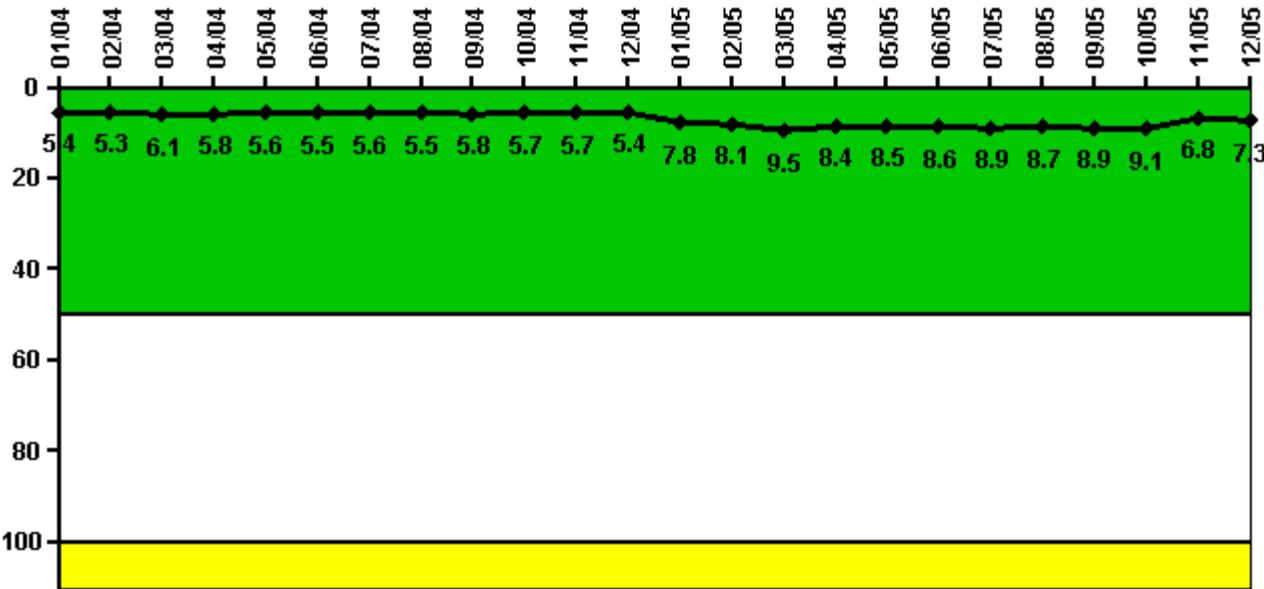
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000010	0.000020	0.000006	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007
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
<b>Indicator value</b>	<b>0</b>											
Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009	0.000010	0.000010	0.000010	0.000009	0.000006	0.000005
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



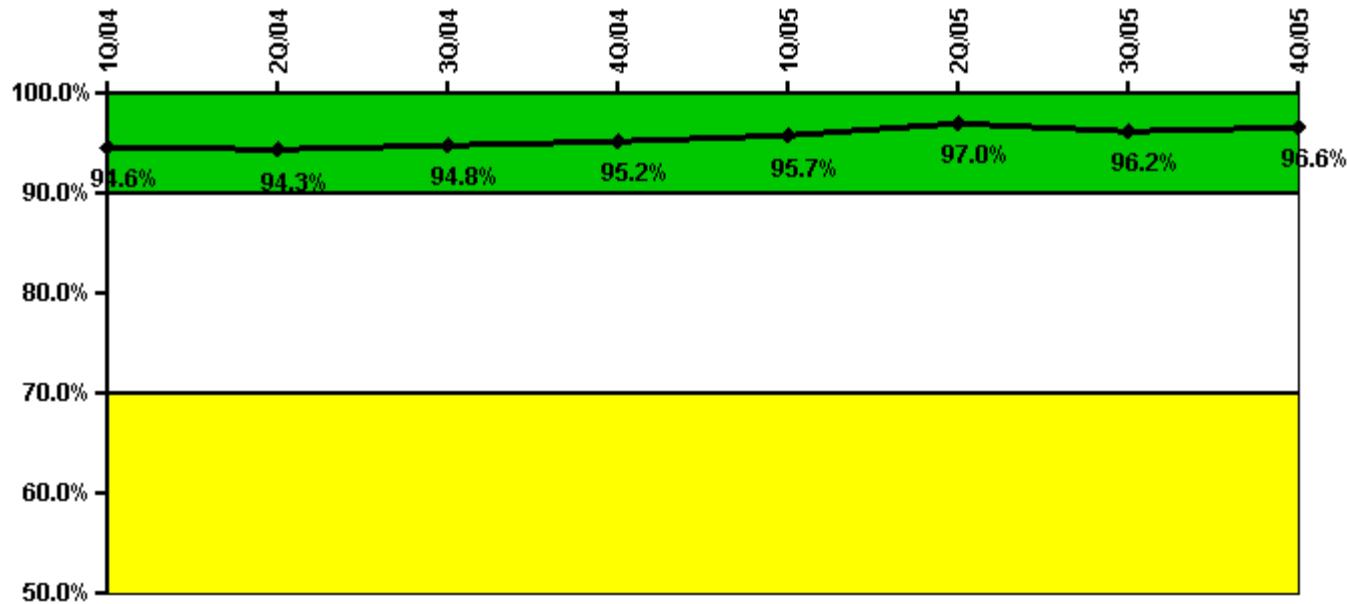
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	1.630	1.580	1.820	1.730	1.690	1.660	1.680	1.660	1.730	1.720	1.700	1.630
Indicator value	5.4	5.3	6.1	5.8	5.6	5.5	5.6	5.5	5.8	5.7	5.7	5.4
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	2.350	2.420	2.860	2.530	2.560	2.580	2.670	2.600	2.670	2.730	2.050	2.190
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	7.8	8.1	9.5	8.4	8.5	8.6	8.9	8.7	8.9	9.1	6.8	7.3

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

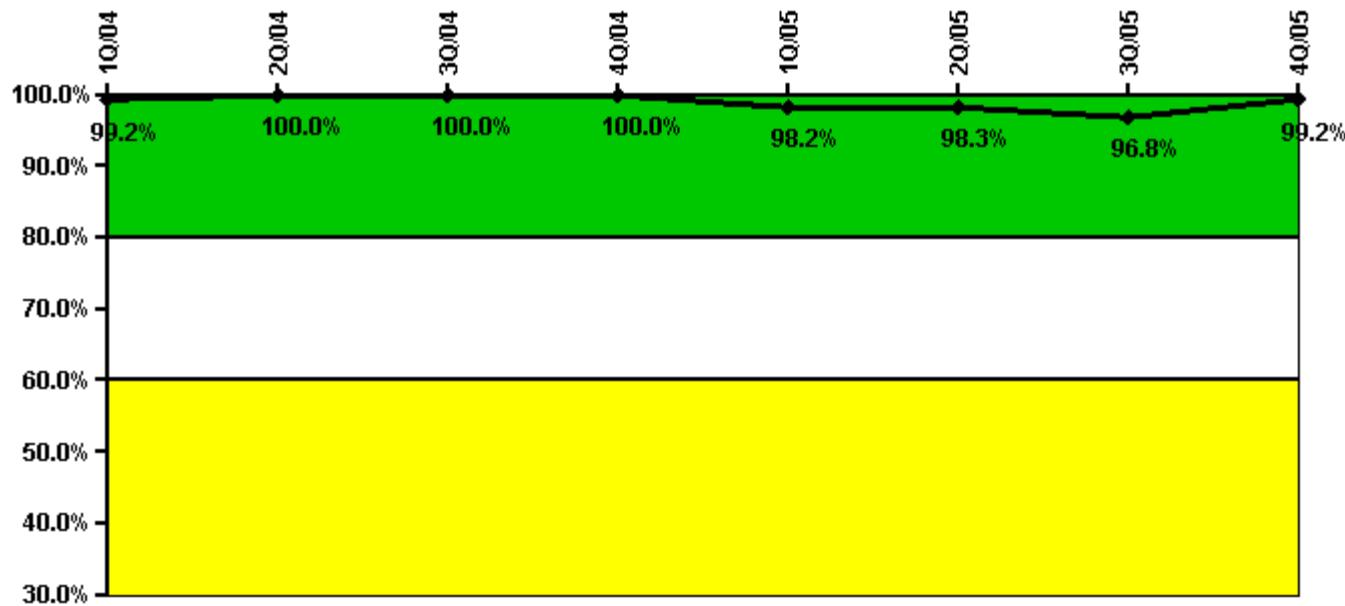
#### Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	2.0	17.0	34.0	18.0	1.0	14.0	37.0	19.0
Total opportunities	2.0	18.0	34.0	19.0	2.0	14.0	38.0	20.0
Indicator value	94.6%	94.3%	94.8%	95.2%	95.7%	97.0%	96.2%	96.6%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	119.0	116.0	111.0	114.0	109.0	119.0	120.0	128.0
Total Key personnel	120.0	116.0	111.0	114.0	111.0	121.0	124.0	129.0
<b>Indicator value</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>96.8%</b>	<b>99.2%</b>

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

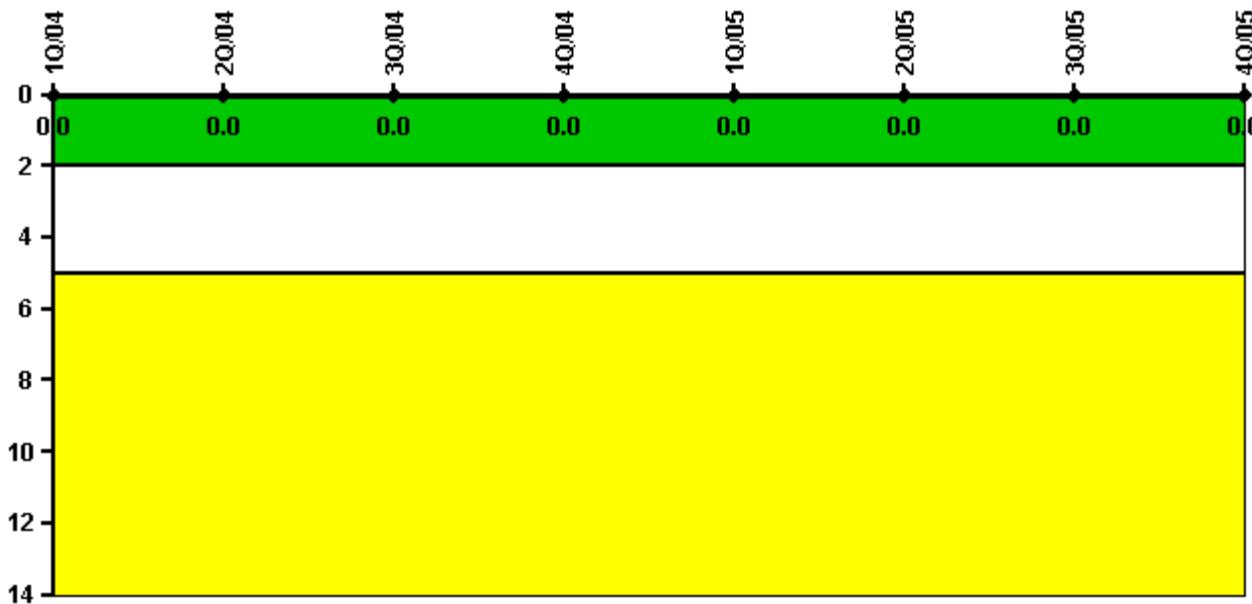
<b>Alert &amp; Notification System</b>	<b>1Q/04</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>	<b>1Q/05</b>	<b>2Q/05</b>	<b>3Q/05</b>	<b>4Q/05</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

4Q/05: 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

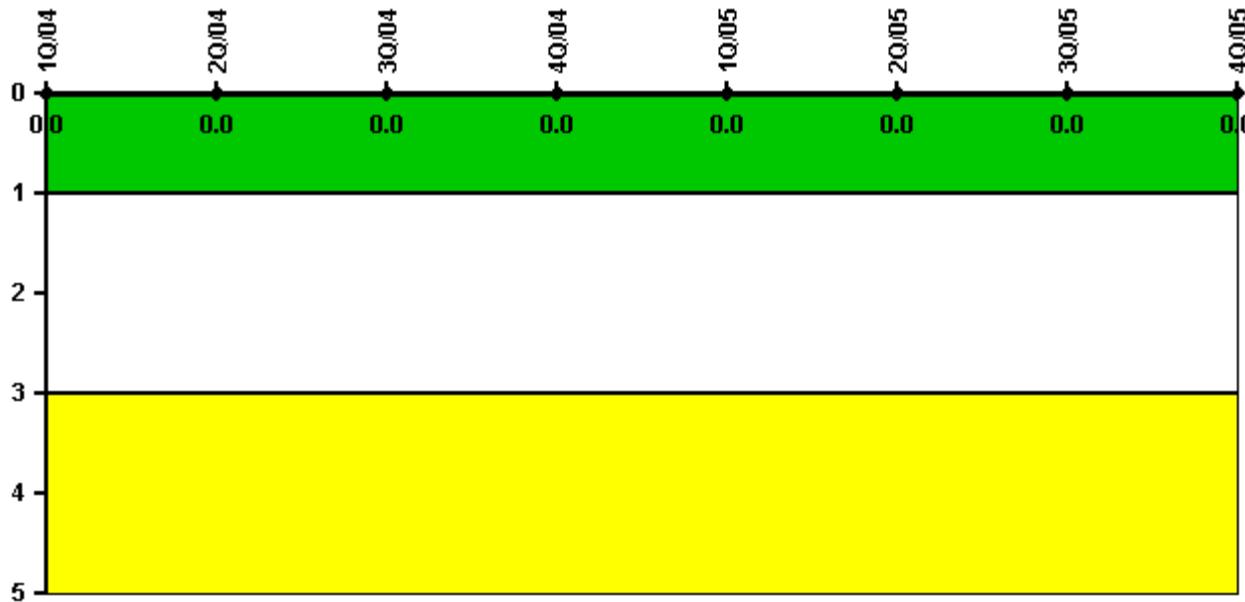
### Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
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:

4Q/05: Exp. reported for 9/05 has been retracted due to Environmental lab investigations where completed experiments provide sufficient evidence that sweat may cause very high spurious reads. Sweat is considered to be the likely cause seen on workers at Hatch.

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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

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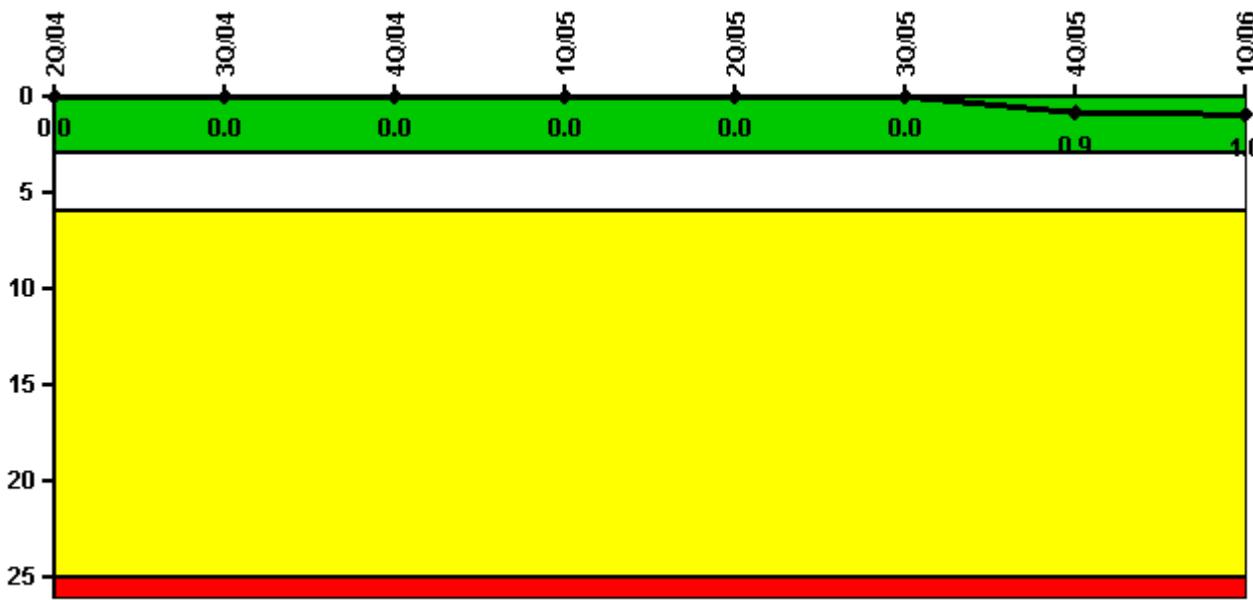


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 30, 2006

**Hatch 1****1Q/2006 Performance Indicators**

Licensee's General Comments: none

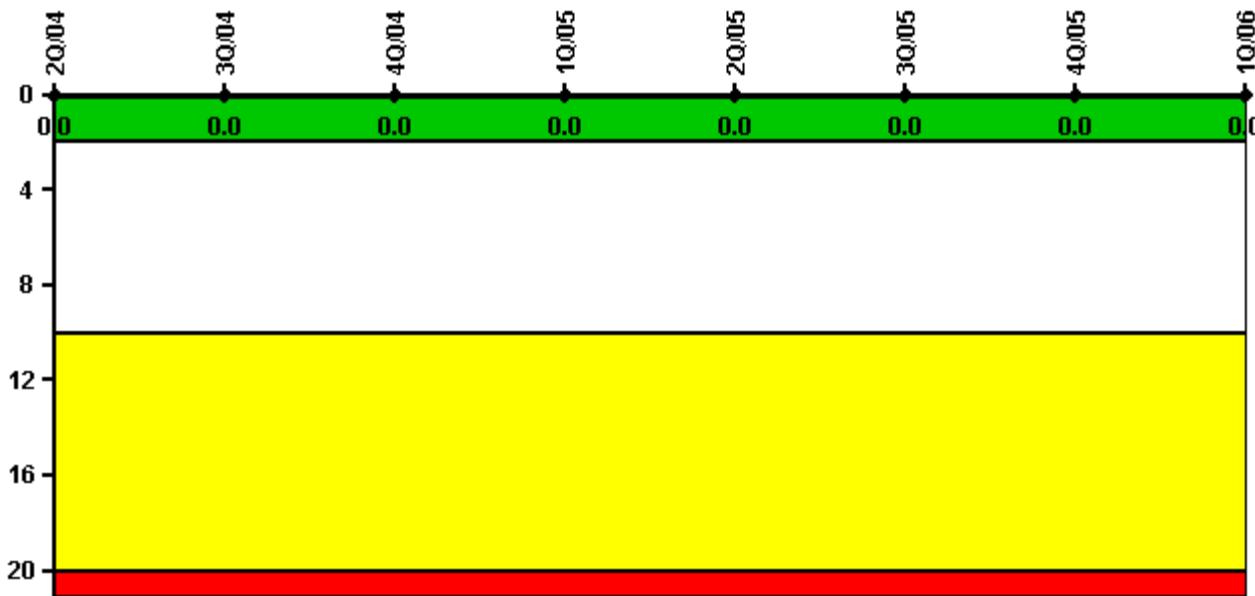
**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>1.0</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

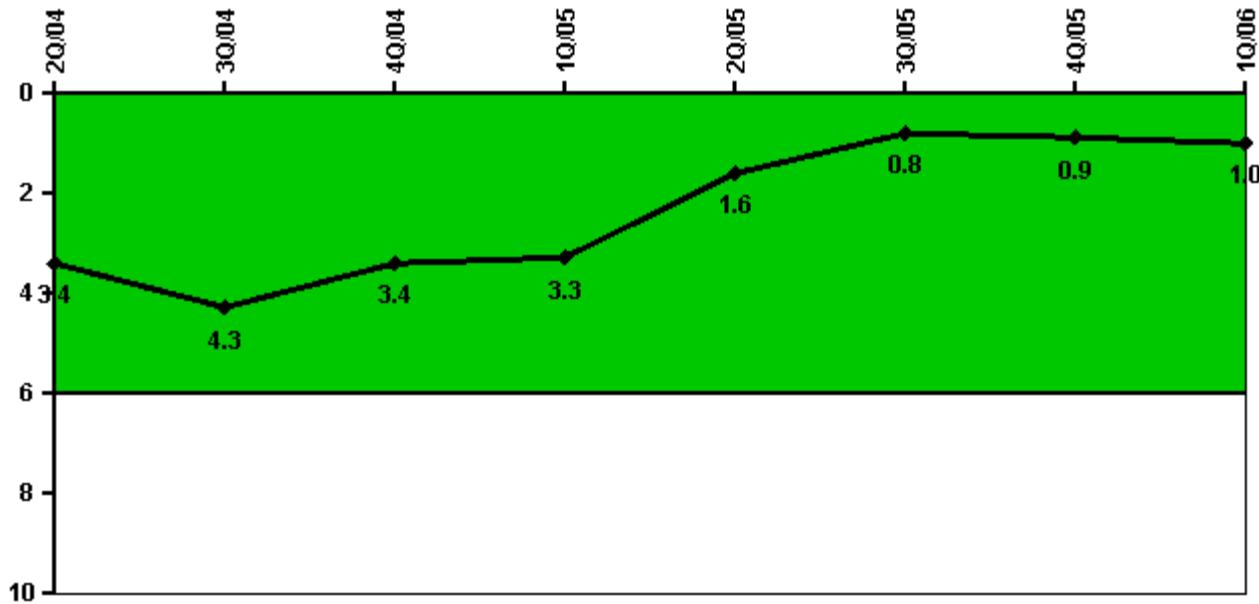
**Notes**

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

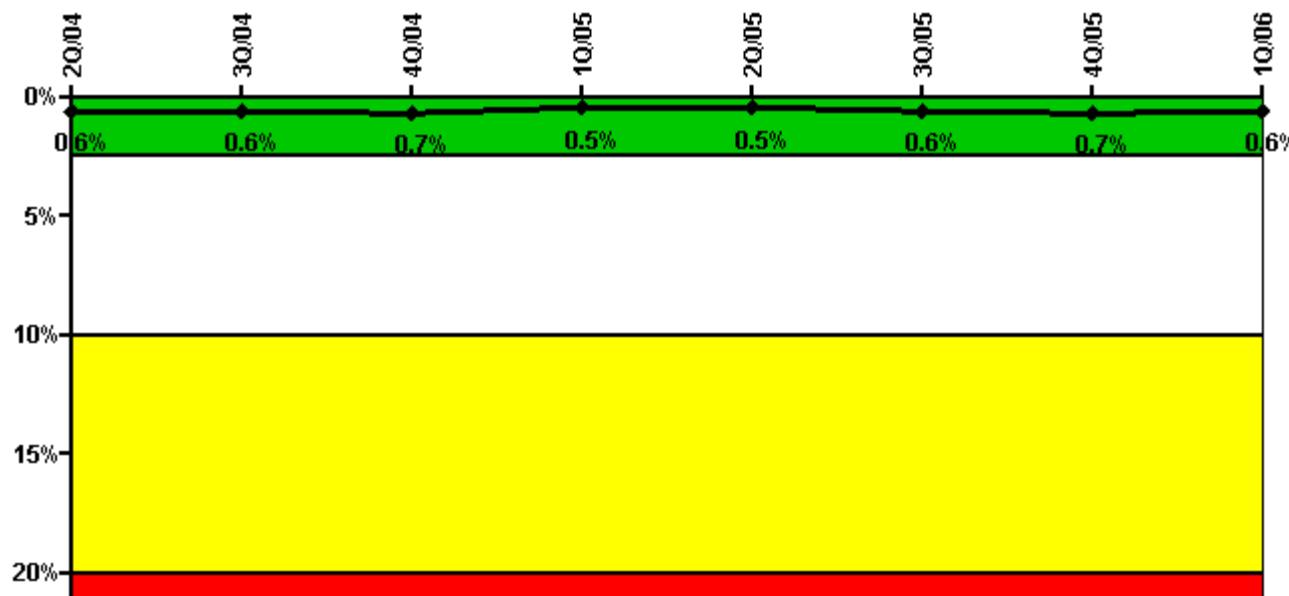
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	3.0	1.0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1
Indicator value	<b>3.4</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>

Licensee Comments: none

---

## Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0.43	0	0	5.87	11.52	5.72	24.01	3.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0.15	32.75	30.48	32.43	0.17	5.72	7.64	4.13
Unplanned unavailable hours	0	0	119.30	0	9.02	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	2.06	1.55	33.08	7.10	1.80	5.48	54.08	3.95
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.6%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

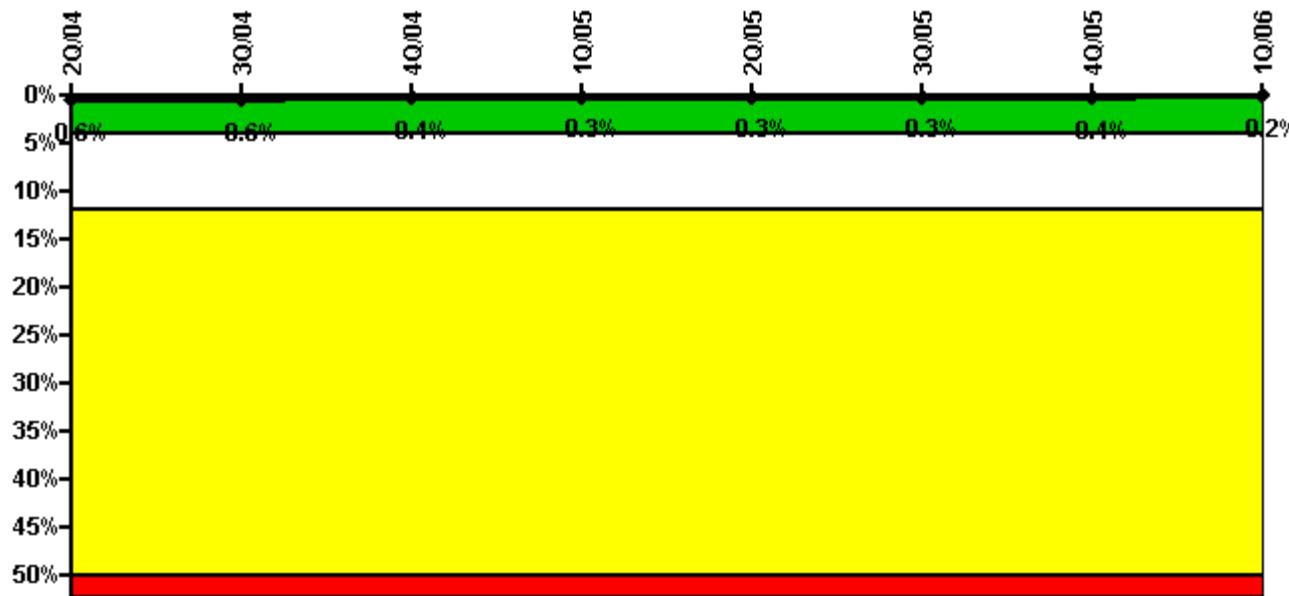
### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0	122.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00	1846.15	1104.10
<b>Indicator value</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0%</b>	<b>0%</b>	<b>0.5%</b>

Licensee Comments: none

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## Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

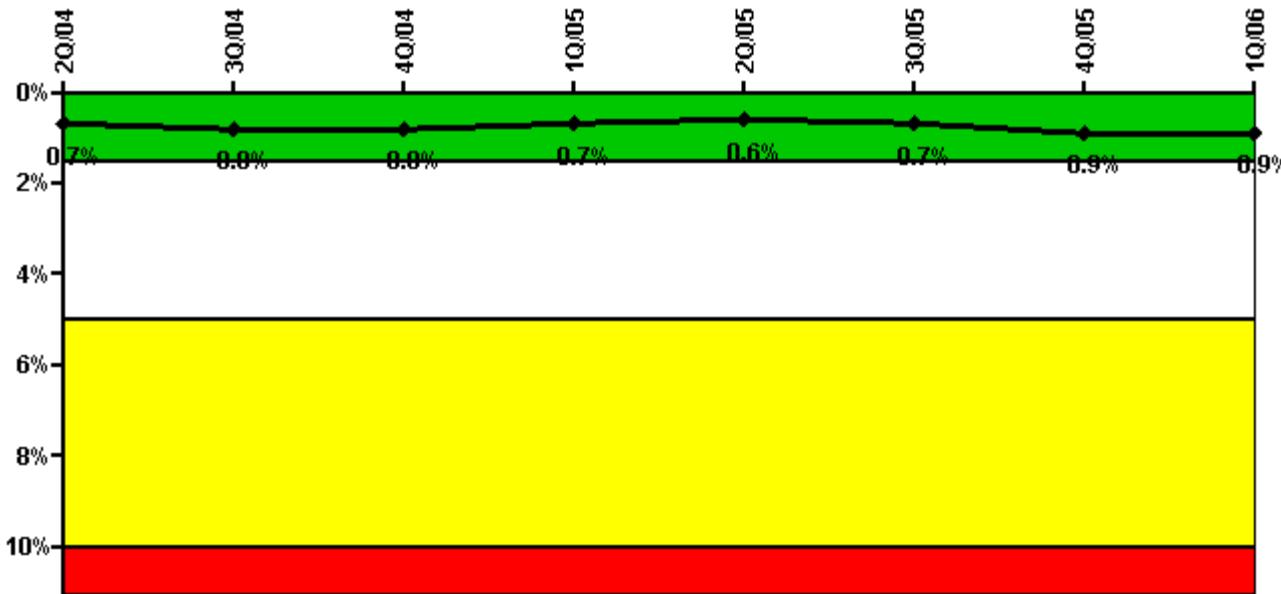
### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	3.92	2.50	0.52	0.45	14.08	0.42	0.68	1.07
Unplanned unavailable hours	0	0	0	0	0	0	0	25.33
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1962.18	2183.00	2208.00	1846.15	1104.10
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.2%</b>

Licensee Comments: none

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## Safety System Unavailability, Residual Heat Removal System



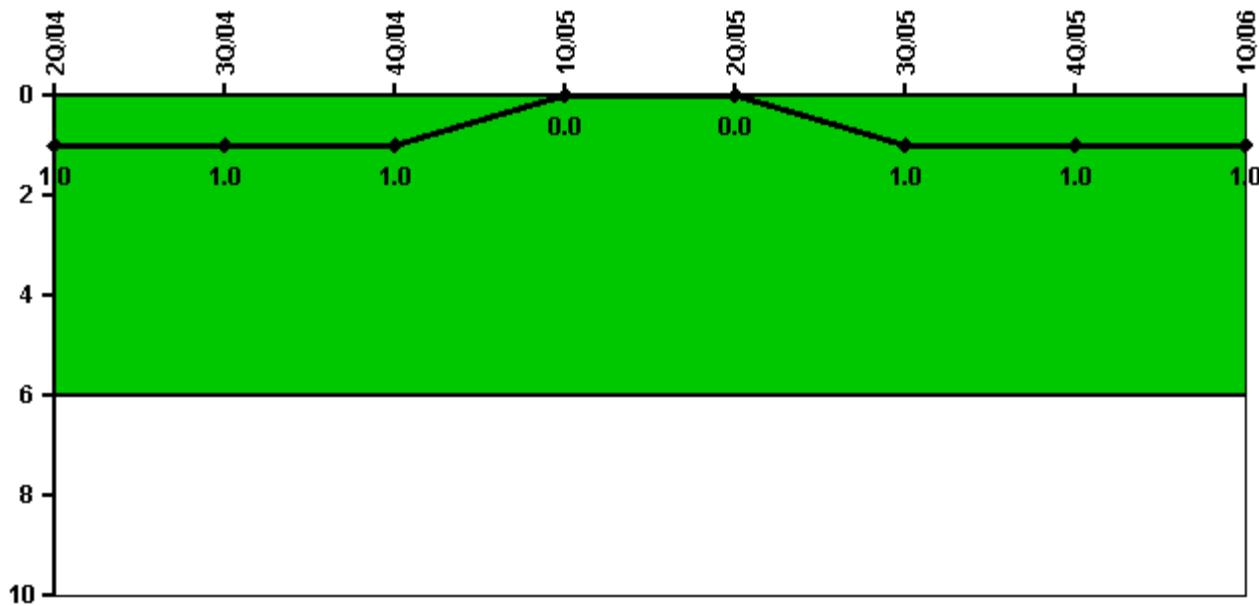
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0	25.99	0	0	0	115.65	0	2.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	20.37	0	0.24	0	1.33	71.86	21.41
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.9%</b>	<b>0.9%</b>

### Licensee Comments:

1Q/06: Shut Down Cooling out of service hours excluded and credit taken for Decay Heat Removal (DHR). FAQ initiated for NRC approval of DHR and exception to FAQ 391. This applies to both trains for the months of Feb. and March.

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

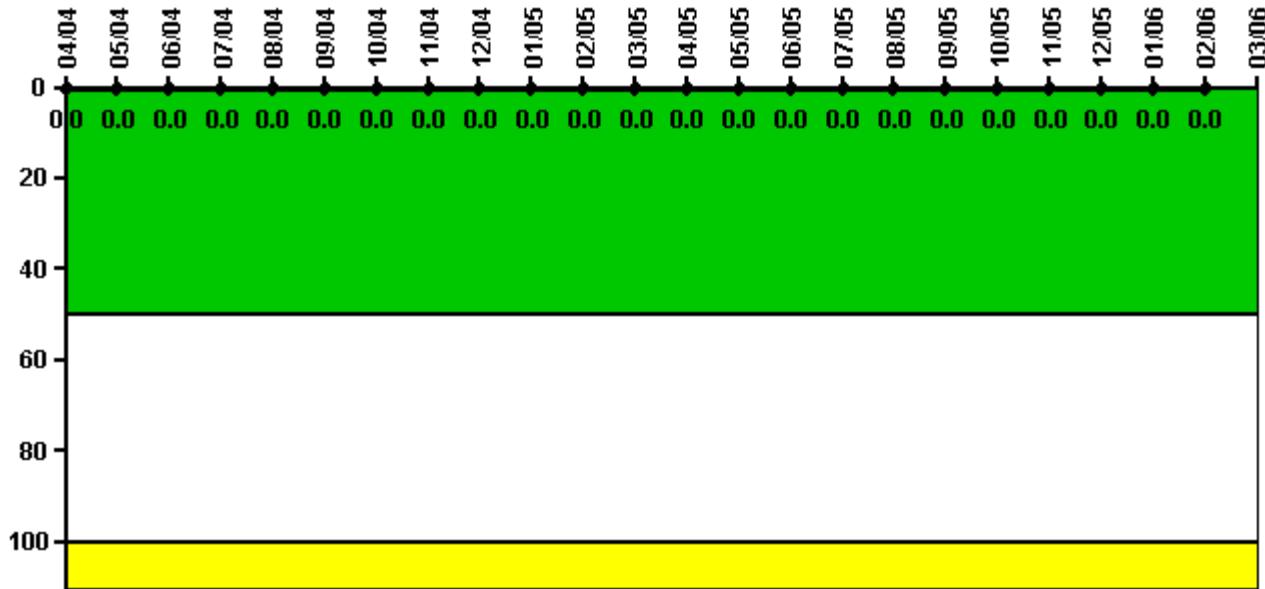
**Notes**

Safety System Functional Failures (BWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	1	1	1	0	0	1	1	1

Licensee Comments: none

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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

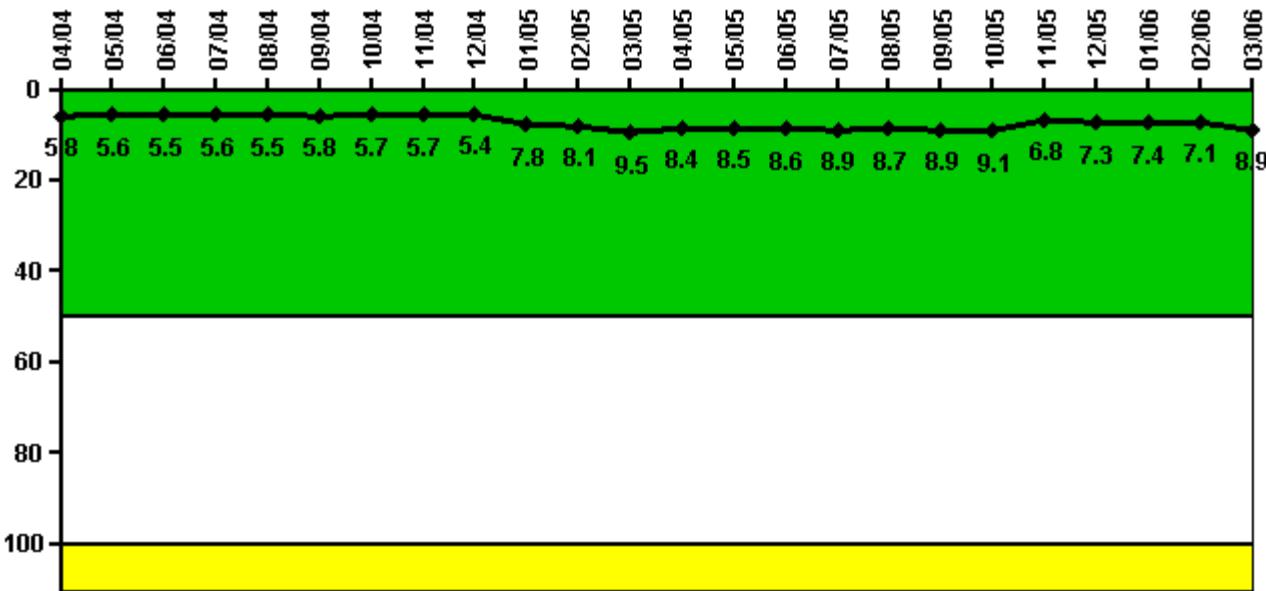
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.000005	0.000005	0.000006	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000008	0.000010	0.000009	0.000010	0.000010	0.000010	0.000009	0.000006	0.000005	0.000006	0.000009	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

Licensee Comments: none

## Reactor Coolant System Leakage



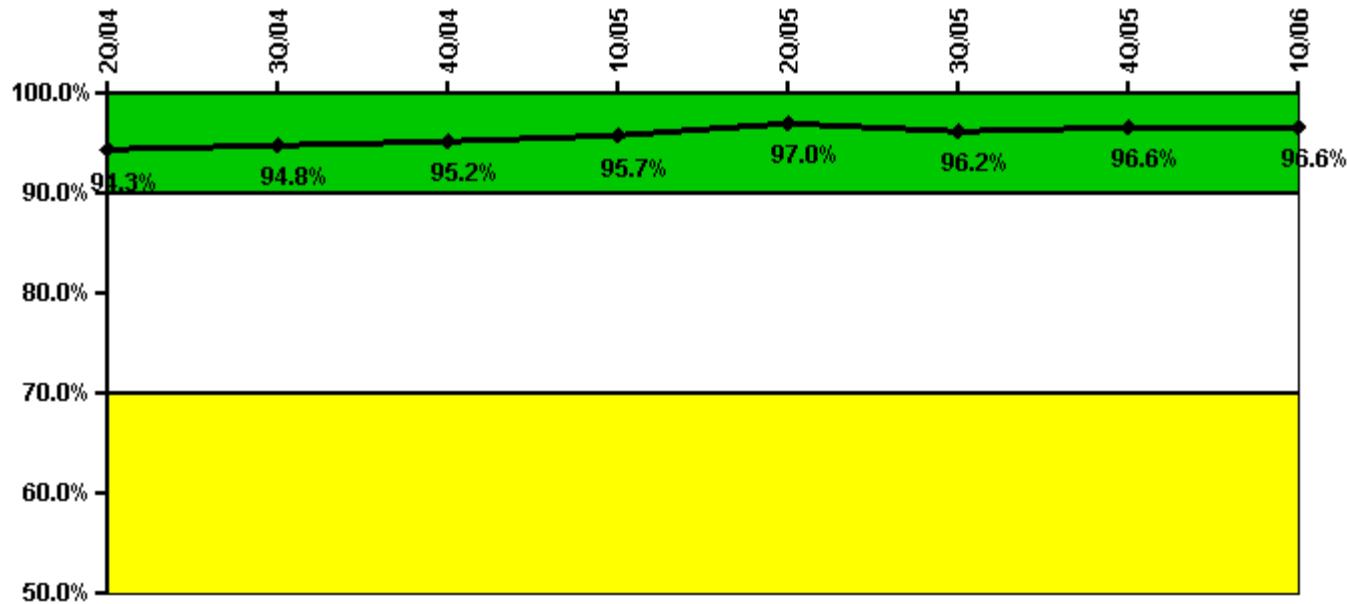
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	1.730	1.690	1.660	1.680	1.660	1.730	1.720	1.700	1.630	2.350	2.420	2.860
Indicator value	5.8	5.6	5.5	5.6	5.5	5.8	5.7	5.7	5.4	7.8	8.1	9.5
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	2.530	2.560	2.580	2.670	2.600	2.670	2.730	2.050	2.190	2.210	2.140	2.680
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	8.4	8.5	8.6	8.9	8.7	8.9	9.1	6.8	7.3	7.4	7.1	8.9

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

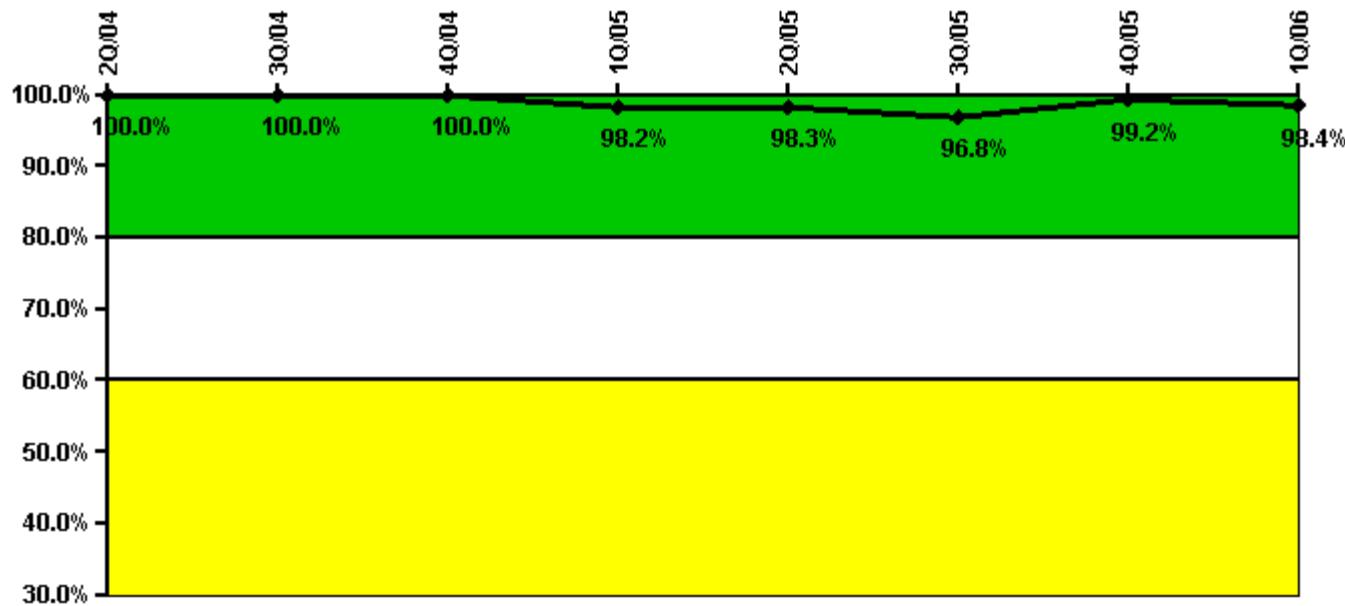
#### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	17.0	34.0	18.0	1.0	14.0	37.0	19.0	4.0
Total opportunities	18.0	34.0	19.0	2.0	14.0	38.0	20.0	4.0
Indicator value	94.3%	94.8%	95.2%	95.7%	97.0%	96.2%	96.6%	96.6%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	116.0	111.0	114.0	109.0	119.0	120.0	128.0	124.0
Total Key personnel	116.0	111.0	114.0	111.0	121.0	124.0	129.0	126.0
Indicator value	100.0%	100.0%	100.0%	98.2%	98.3%	96.8%	99.2%	98.4%

Licensee Comments: none

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**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/04</b>	<b>3Q/04</b>	<b>4Q/04</b>	<b>1Q/05</b>	<b>2Q/05</b>	<b>3Q/05</b>	<b>4Q/05</b>	<b>1Q/06</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

1Q/06: Plant Hatch does not use sirens as an emergency notification system.

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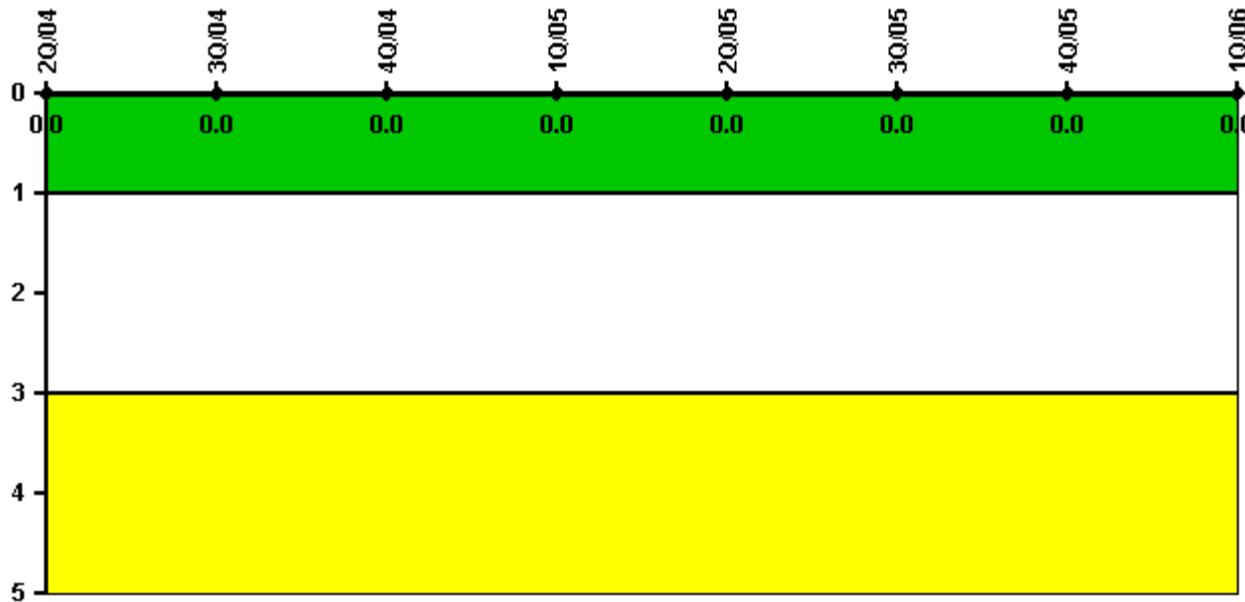
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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

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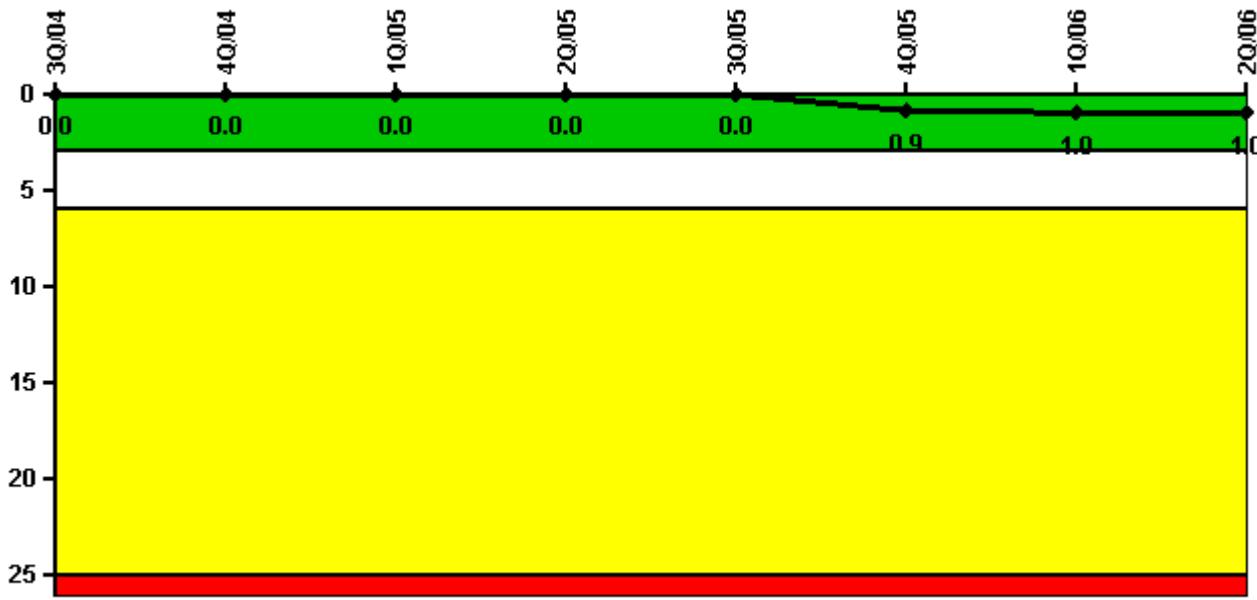


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: May 5, 2006

**Hatch 1****2Q/2006 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0
Indicator value	0	0	0	0	0	0.9	1.0	1.0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

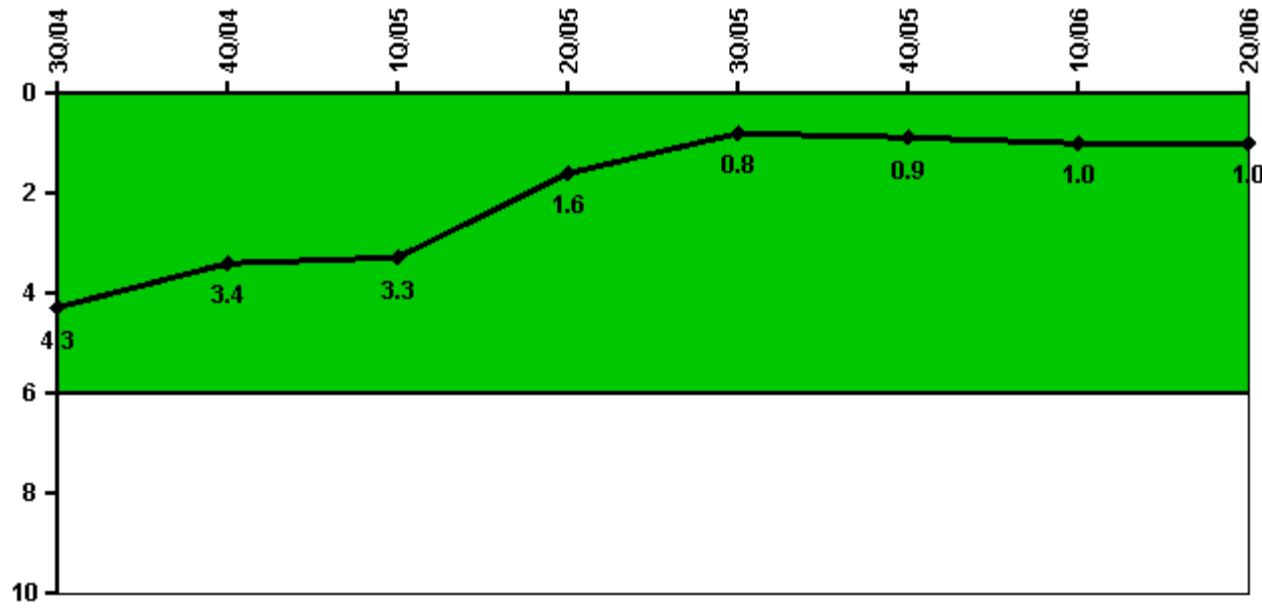
**Notes**

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs



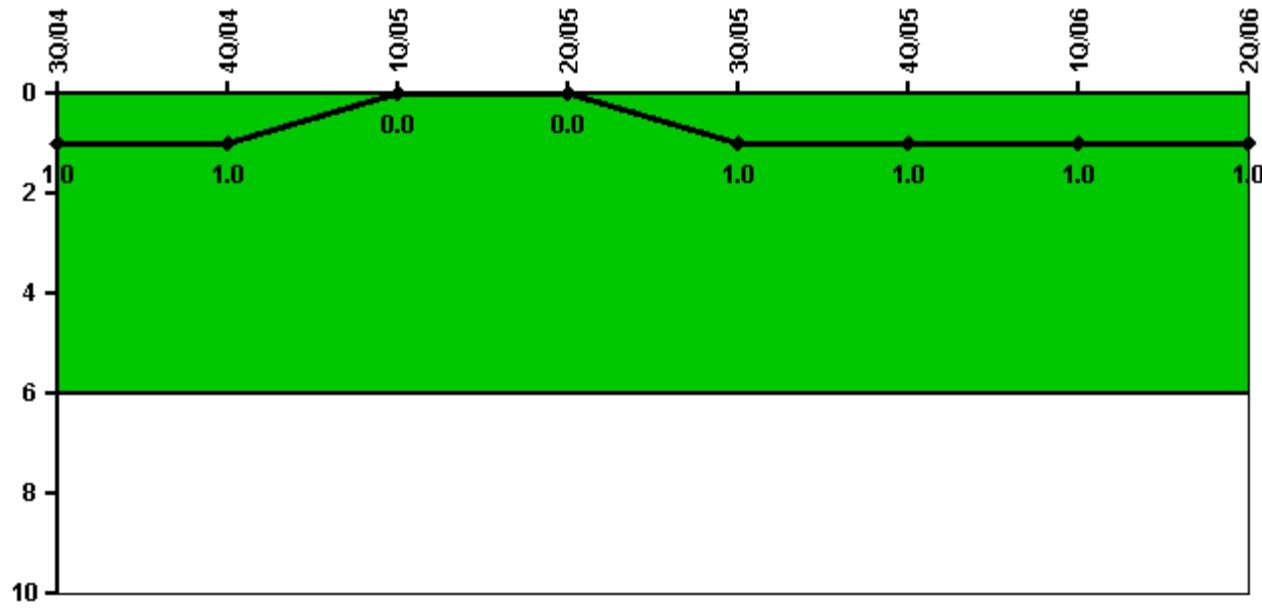
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	0	0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0
<b>Indicator value</b>	<b>4.3</b>	<b>3.4</b>	<b>3.3</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>

Licensee Comments: none

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**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

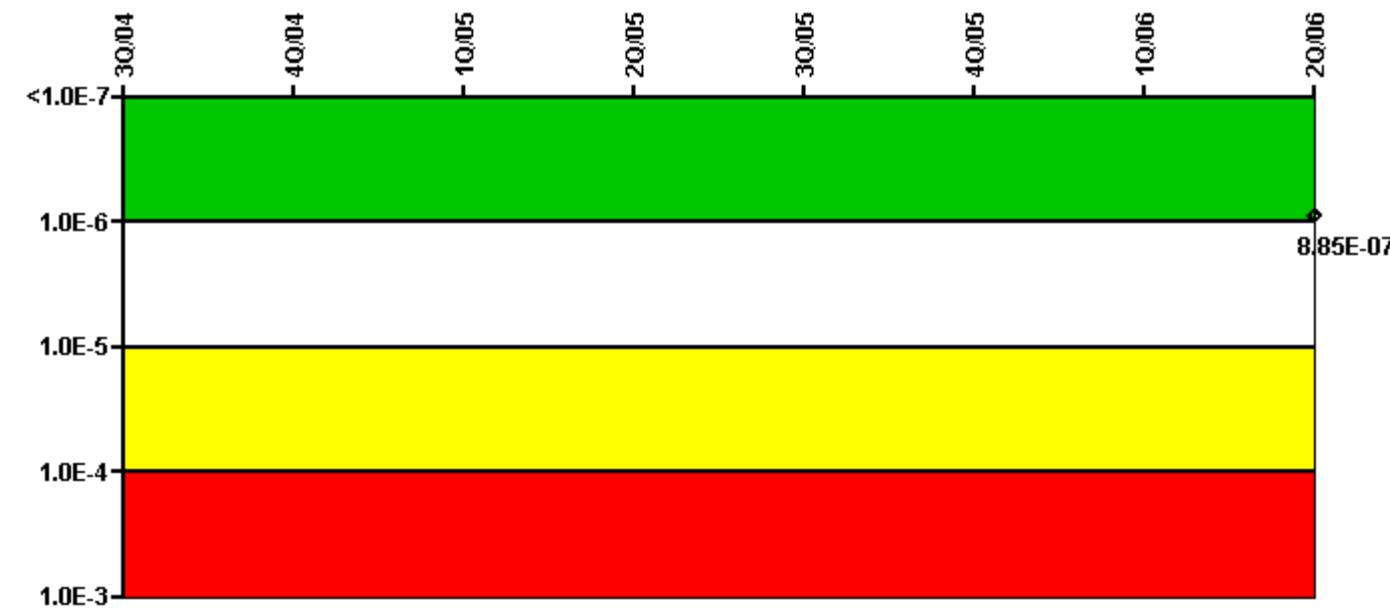
**Notes**

Safety System Functional Failures (BWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



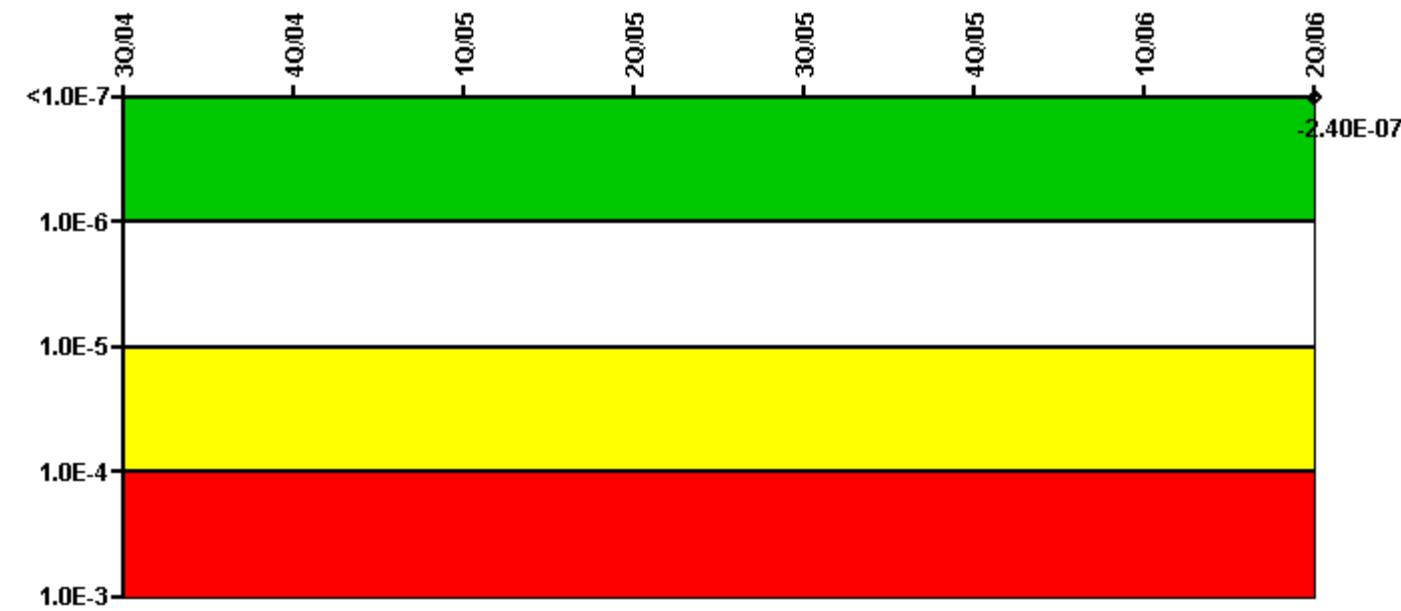
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								4.50E-08
URI ( $\Delta$ CDF)								8.40E-07
PLE								NO
Indicator value								8.85E-07

Licensee Comments: none

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**Mitigating Systems Performance Index, High Pressure Injection System**

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

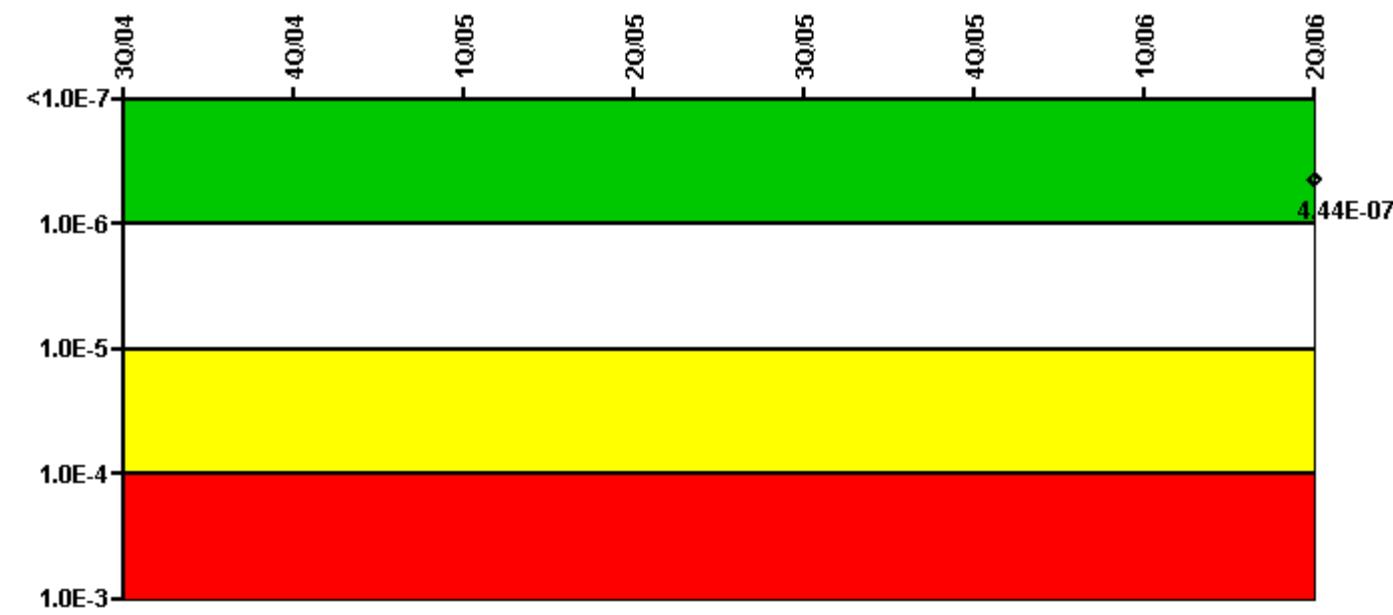
**Notes**

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								-1.10E-07
URI ( $\Delta$ CDF)								-1.30E-07
PLE								NO
Indicator value								-2.40E-07

Licensee Comments: none

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## Mitigating Systems Performance Index, Heat Removal System



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

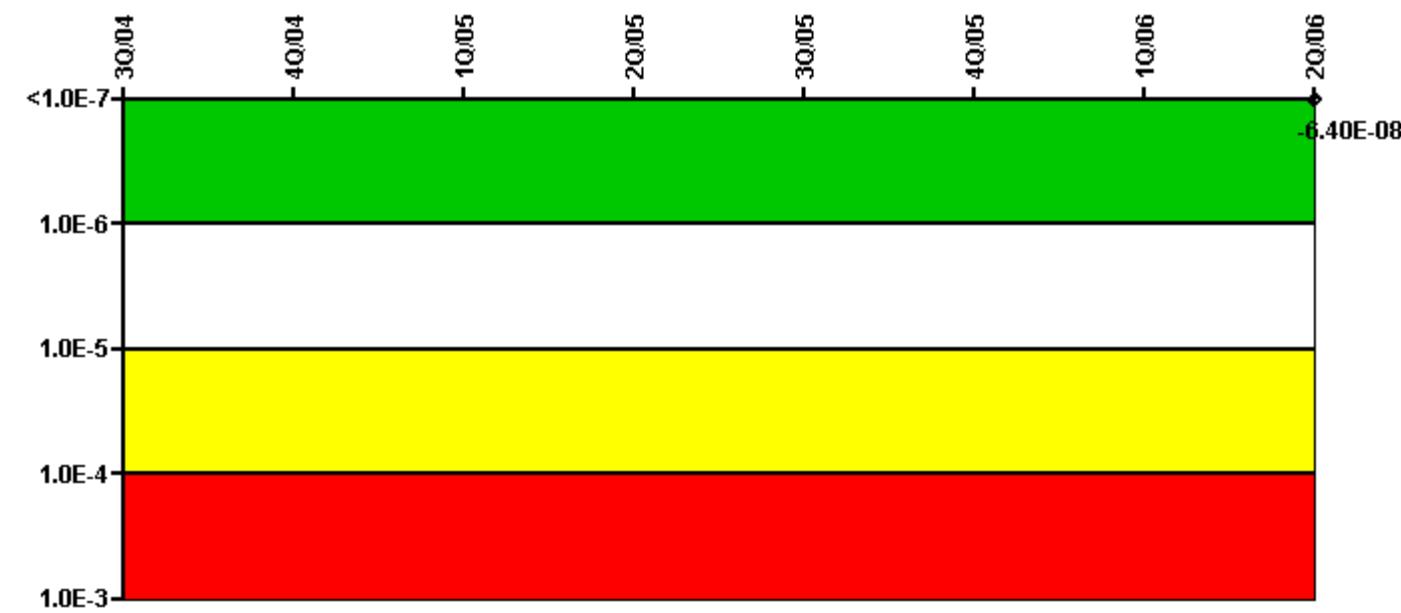
### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								6.40E-08
URI ( $\Delta$ CDF)								3.80E-07
PLE								NO
Indicator value								4.44E-07

Licensee Comments: none

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## Mitigating Systems Performance Index, Residual Heat Removal System



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

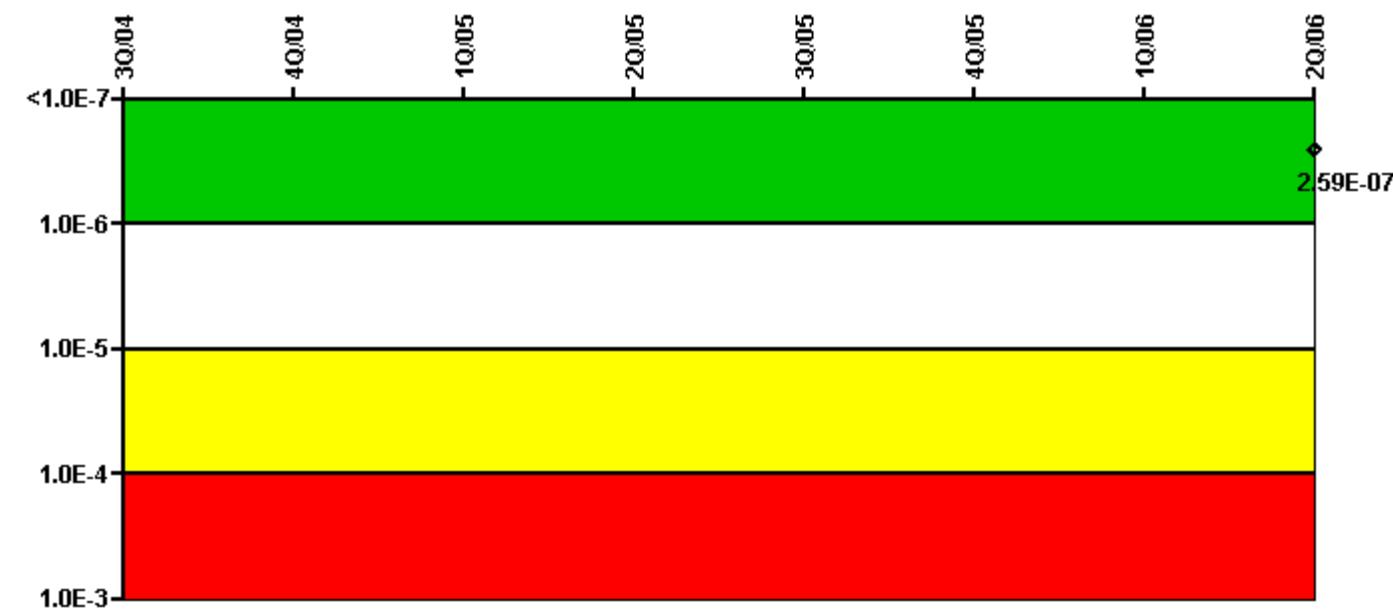
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								-1.00E-08
URI ( $\Delta$ CDF)								-5.40E-08
PLE								NO
Indicator value								-6.40E-08

Licensee Comments: none

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## Mitigating Systems Performance Index, Cooling Water Systems



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

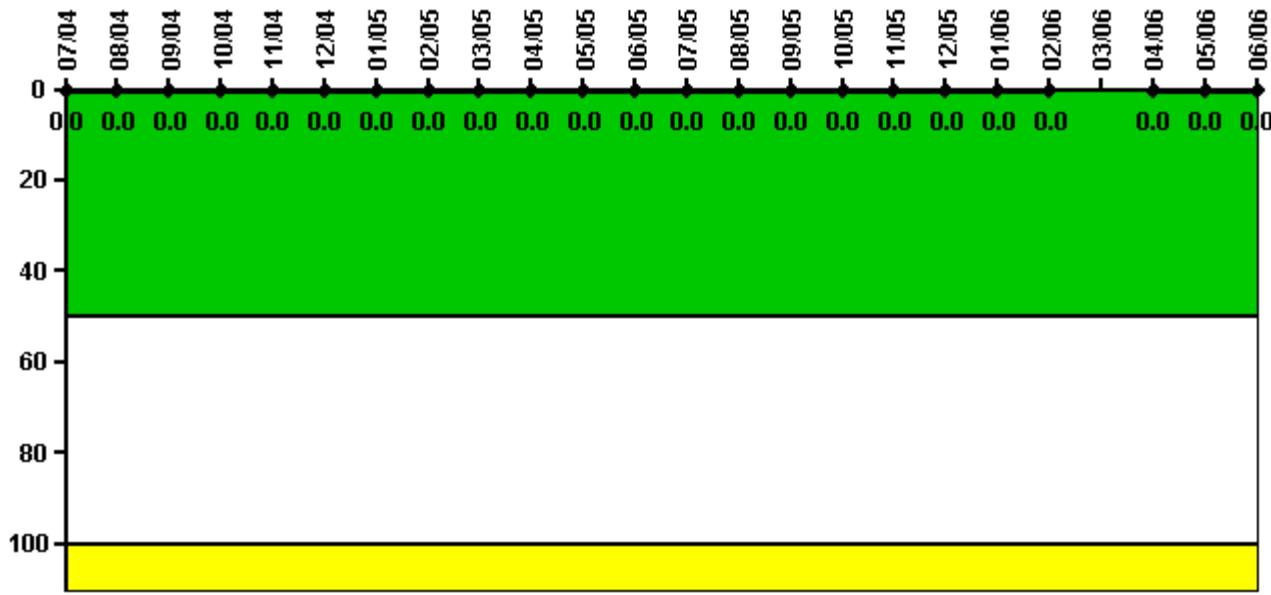
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								2.60E-07
URI ( $\Delta$ CDF)								-1.10E-09
PLE								NO
<b>Indicator value</b>								<b>2.59E-07</b>

Licensee Comments: none

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## Reactor Coolant System Activity



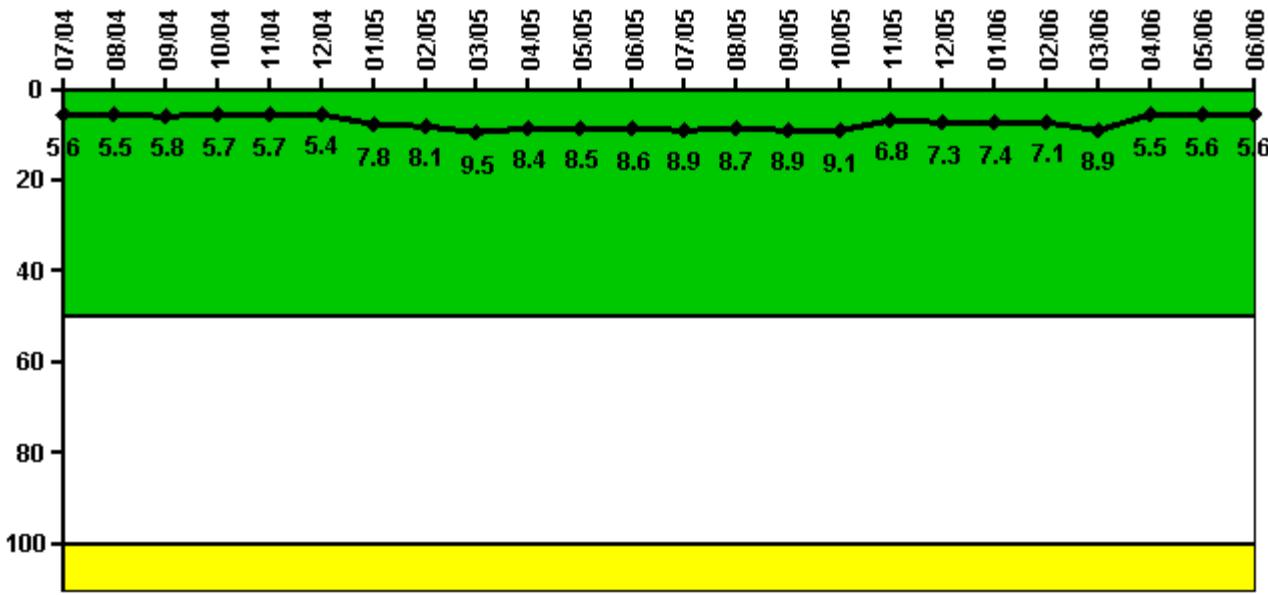
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000006	0.000008	0.000006	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>								
Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000010	0.000010	0.000010	0.000009	0.000006	0.000005	0.000006	0.000009	N/A	0.000012	0.000014	0.000015
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
<b>Indicator value</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>0</b>	<b>0</b>							

Licensee Comments: none

## Reactor Coolant System Leakage



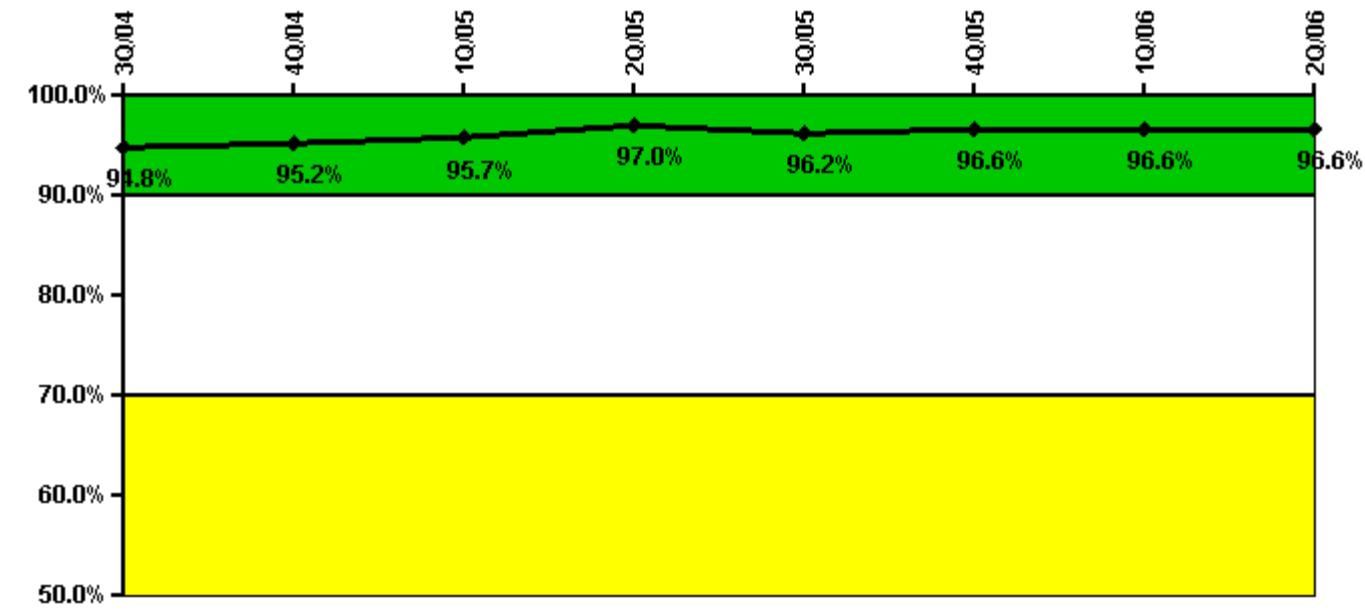
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	1.680	1.660	1.730	1.720	1.700	1.630	2.350	2.420	2.860	2.530	2.560	2.580
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.5</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.4</b>	<b>7.8</b>	<b>8.1</b>	<b>9.5</b>	<b>8.4</b>	<b>8.5</b>	<b>8.6</b>
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	2.670	2.600	2.670	2.730	2.050	2.190	2.210	2.140	2.680	1.660	1.680	1.670
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
<b>Indicator value</b>	<b>8.9</b>	<b>8.7</b>	<b>8.9</b>	<b>9.1</b>	<b>6.8</b>	<b>7.3</b>	<b>7.4</b>	<b>7.1</b>	<b>8.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

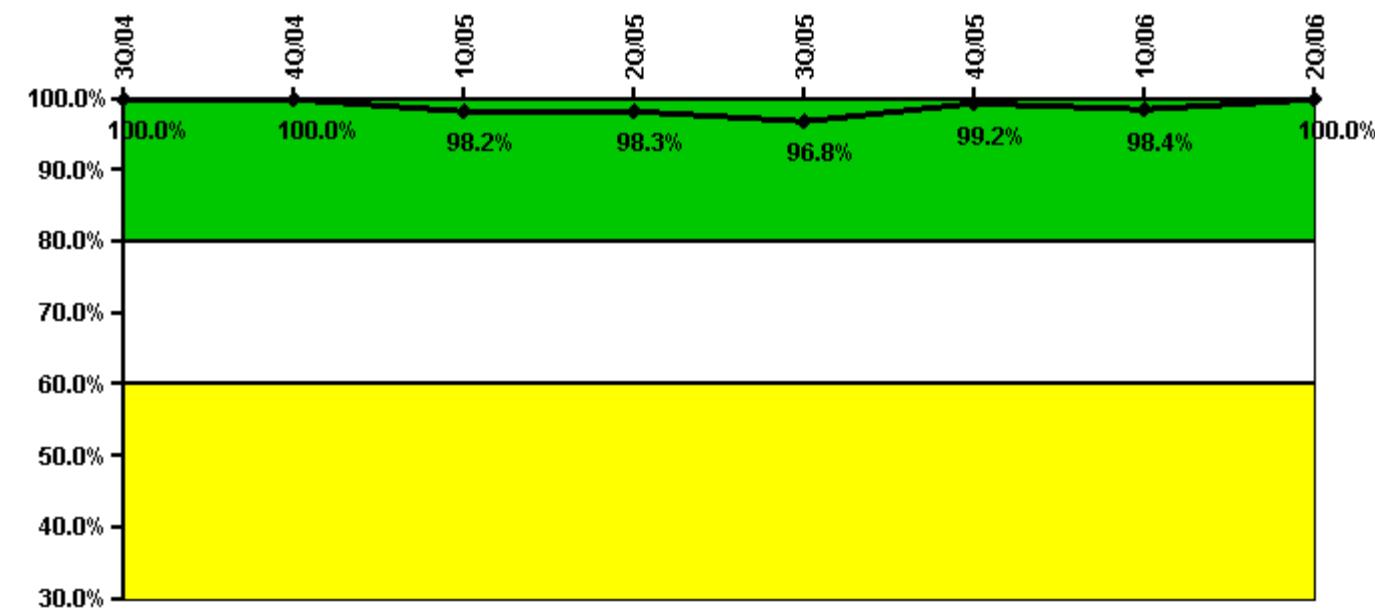
### Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	34.0	18.0	1.0	14.0	37.0	19.0	4.0	17.0
Total opportunities	34.0	19.0	2.0	14.0	38.0	20.0	4.0	18.0
<b>Indicator value</b>	<b>94.8%</b>	<b>95.2%</b>	<b>95.7%</b>	<b>97.0%</b>	<b>96.2%</b>	<b>96.6%</b>	<b>96.6%</b>	<b>96.6%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	111.0	114.0	109.0	119.0	120.0	128.0	124.0	129.0
Total Key personnel	111.0	114.0	111.0	121.0	124.0	129.0	126.0	129.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>96.8%</b>	<b>99.2%</b>	<b>98.4%</b>	<b>100.0%</b>

Licensee Comments: none

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## 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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

2Q/06: Plant Hatch does not use sirens as an emergency notification system.

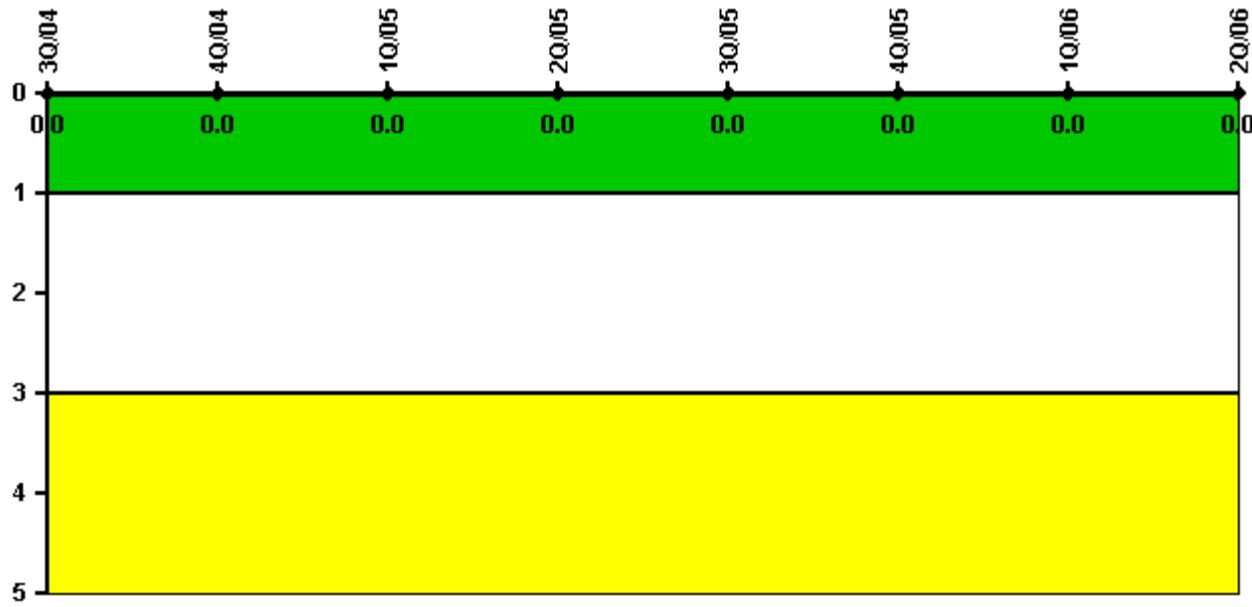
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
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

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
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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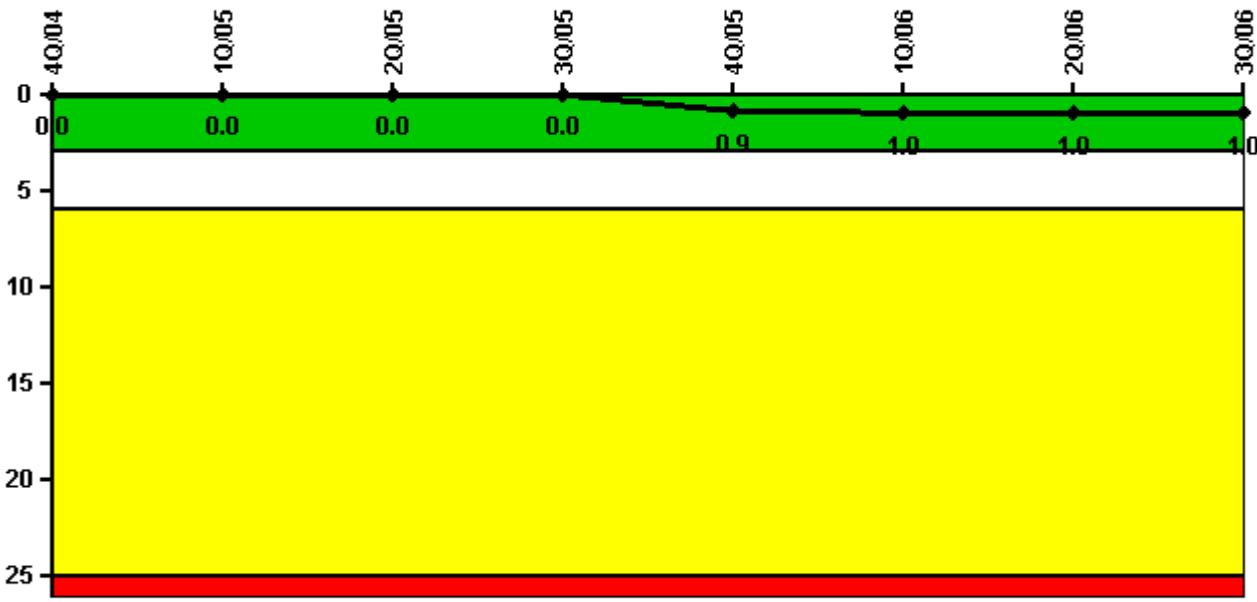


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 2, 2006

**Hatch 1****3Q/2006 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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>

Licensee Comments: none

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**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

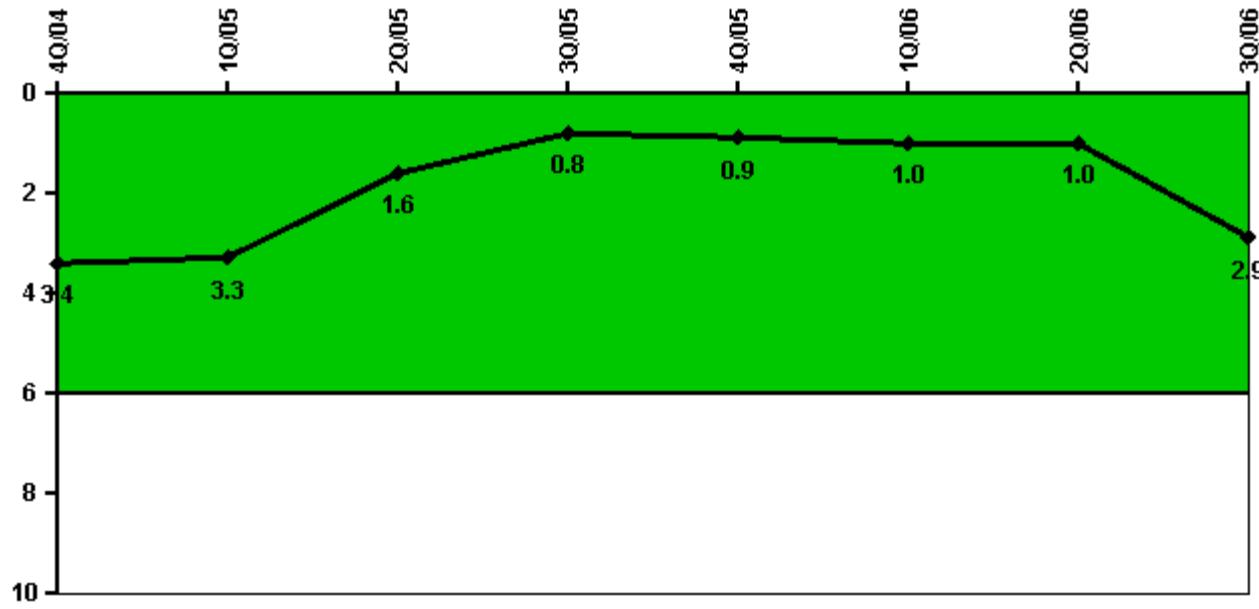
**Notes**

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs

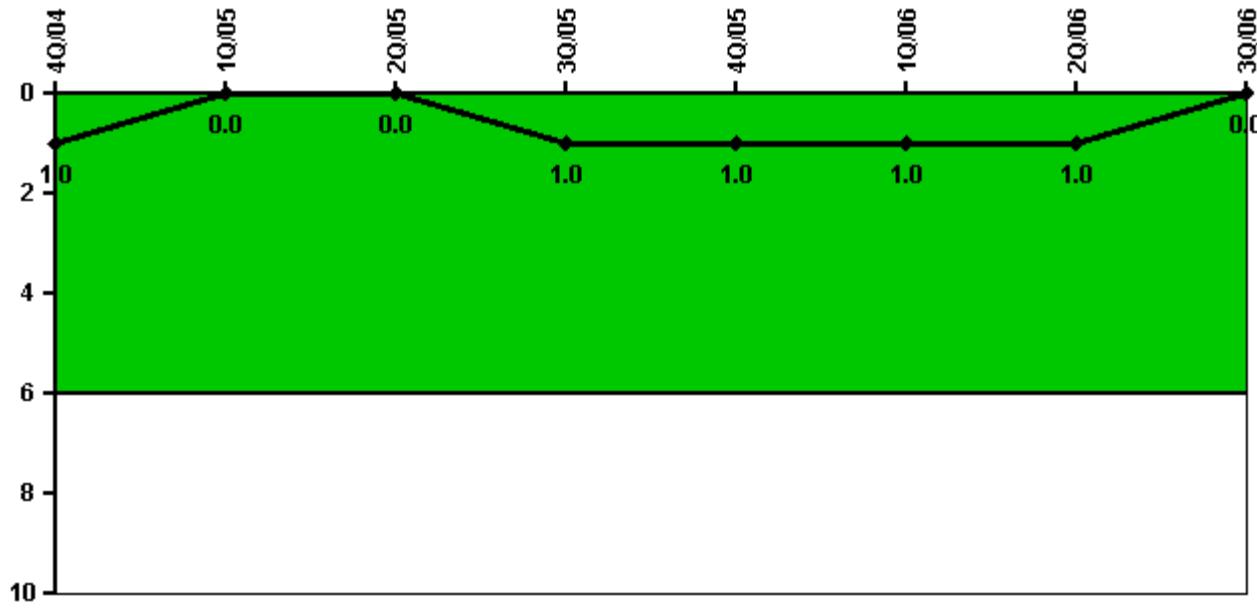


Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	1.0	0	0	0	1.0	2.0
Critical hours	2209.0	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0
Indicator value	3.4	3.3	1.6	0.8	0.9	1.0	1.0	2.9

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

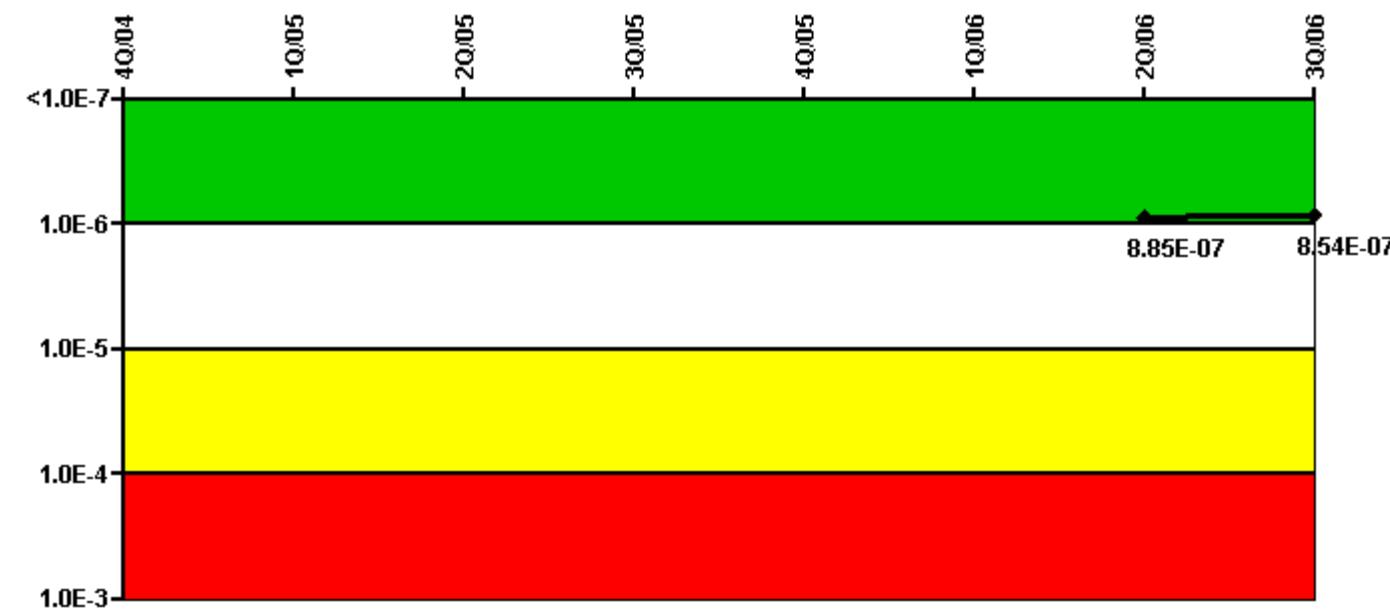
**Notes**

Safety System Functional Failures (BWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							4.50E-08	5.40E-08
URI (ΔCDF)							8.40E-07	8.00E-07
PLE							NO	NO
<b>Indicator value</b>							<b>8.85E-07</b>	<b>8.54E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



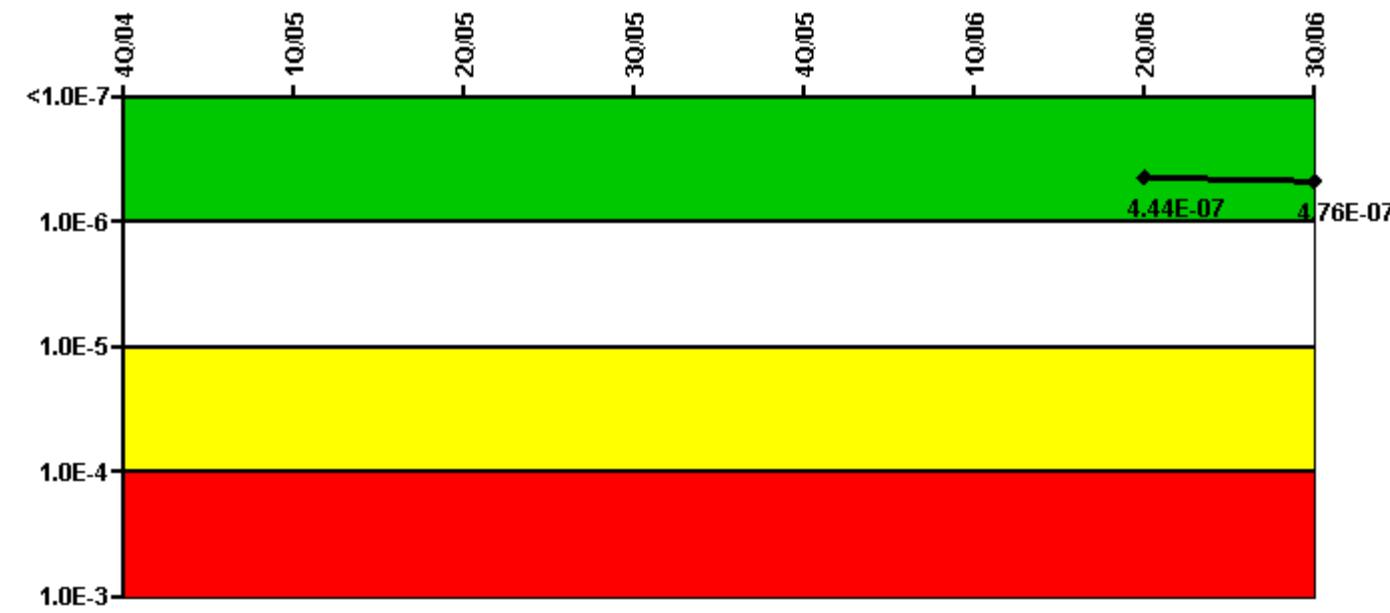
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							-1.10E-07	-1.10E-07
URI ( $\Delta$ CDF)							-1.30E-07	-1.40E-07
PLE							NO	NO
Indicator value							-2.40E-07	-2.50E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



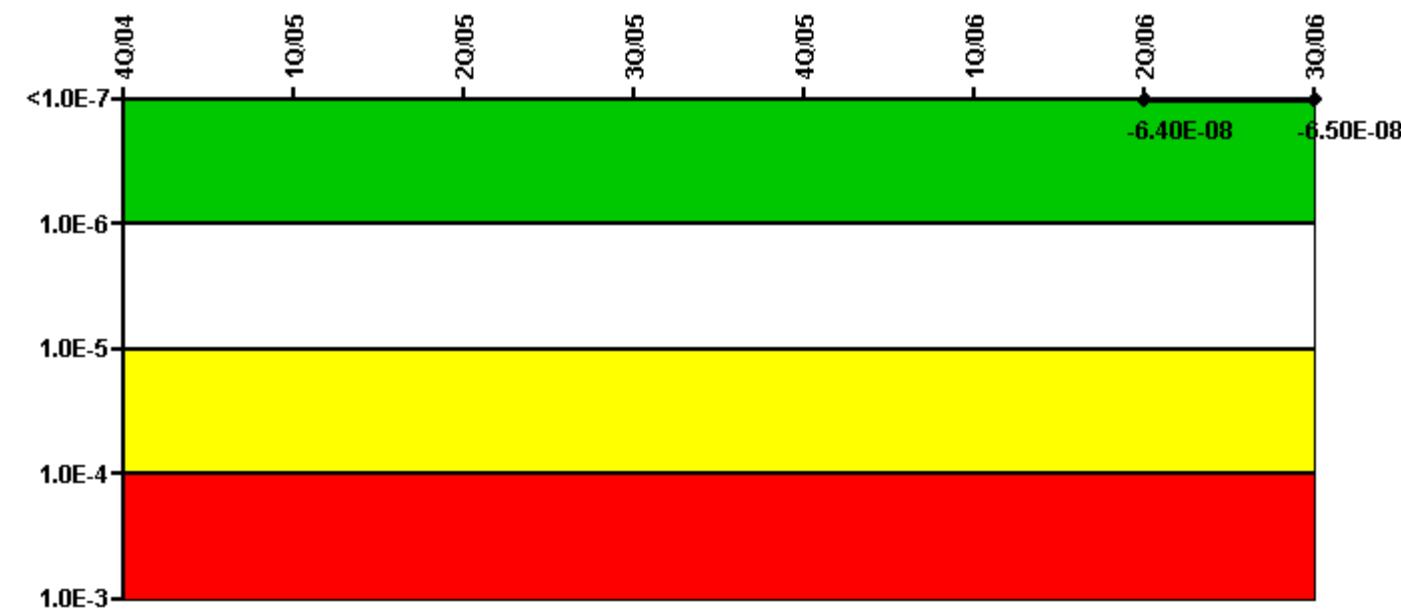
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							6.40E-08	7.60E-08
URI (ΔCDF)							3.80E-07	4.00E-07
PLE							NO	NO
Indicator value							4.44E-07	4.76E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



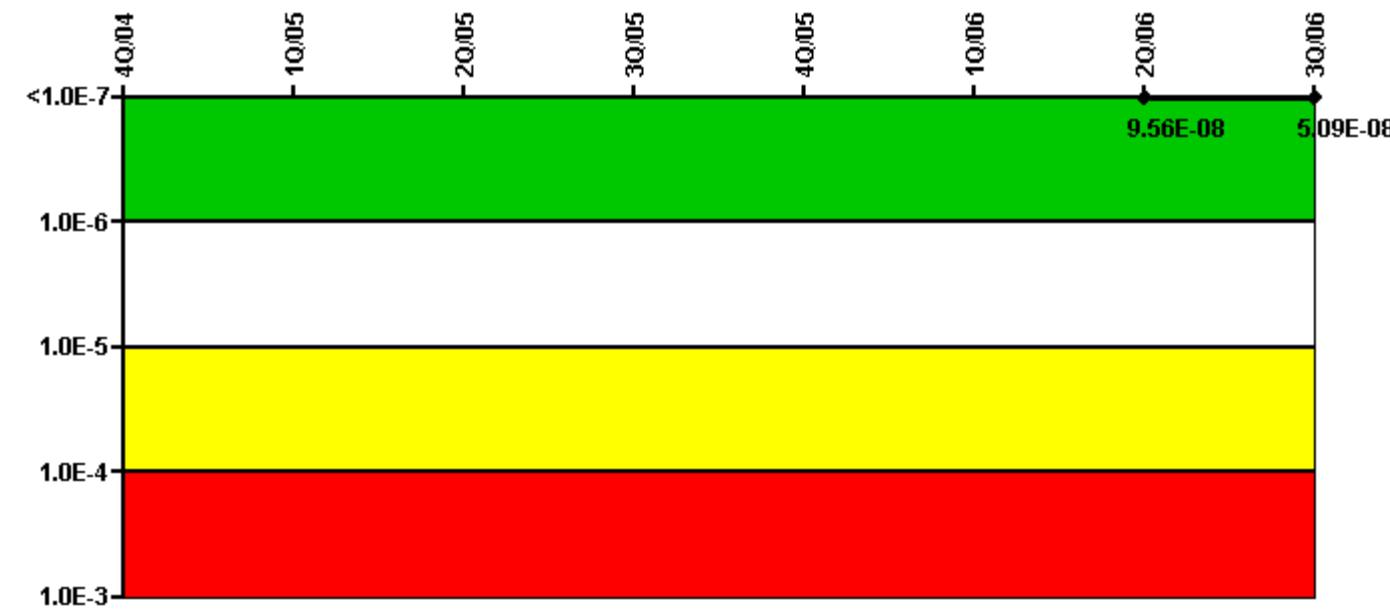
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							-1.00E-08	-1.00E-08
URI ( $\Delta$ CDF)							-5.40E-08	-5.50E-08
PLE							NO	NO
Indicator value							<b>-6.40E-08</b>	<b>-6.50E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

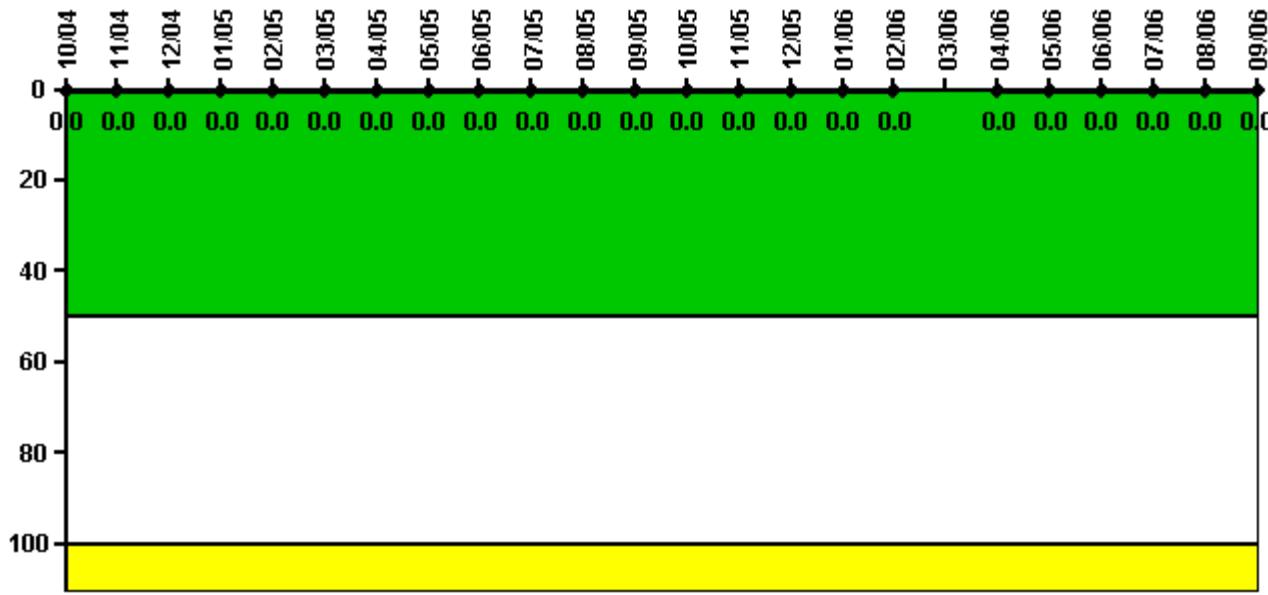
Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							9.30E-08	4.80E-08
URI (ΔCDF)							2.60E-09	2.90E-09
PLE							NO	NO
<b>Indicator value</b>							<b>9.56E-08</b>	<b>5.09E-08</b>

### Licensee Comments:

2Q/06: 83.7 hours previously reported for Unit 1, RHRSSW A Train (CWS2) for November 2003 as planned hours were reclassified as fault exposure. Also, on the equipment record for RHRSSW pumps, the entry for the Status at 100% power field was changed from operating to stand-by.

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## Reactor Coolant System Activity



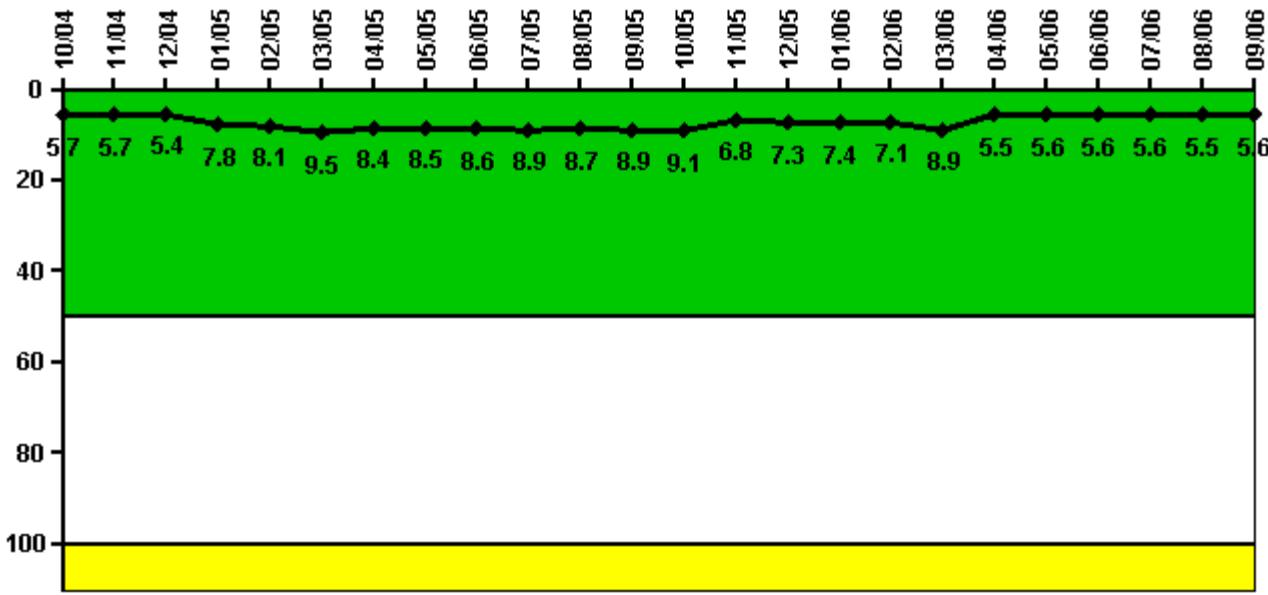
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000008	0.000008	0.000007	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009	0.000010	0.000010	0.000010
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	0
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	0.000009	0.000006	0.000005	0.000006	0.000009	N/A	0.000012	0.000014	0.000015	0.000006	0.000005	0.000007
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	N/A	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



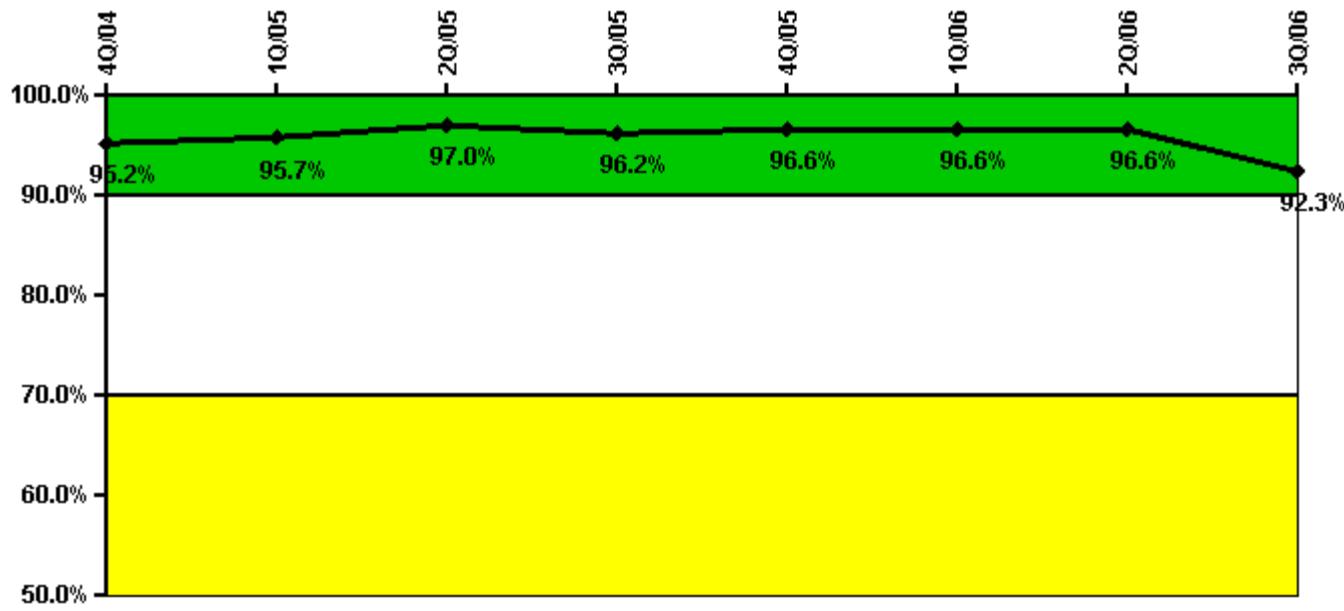
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	1.720	1.700	1.630	2.350	2.420	2.860	2.530	2.560	2.580	2.670	2.600	2.670
Indicator value	5.7	5.7	5.4	7.8	8.1	9.5	8.4	8.5	8.6	8.9	8.7	8.9
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	2.730	2.050	2.190	2.210	2.140	2.680	1.660	1.680	1.670	1.680	1.660	1.670
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	9.1	6.8	7.3	7.4	7.1	8.9	5.5	5.6	5.6	5.6	5.5	5.6

Licensee Comments: none

### Drill/Exercise Performance



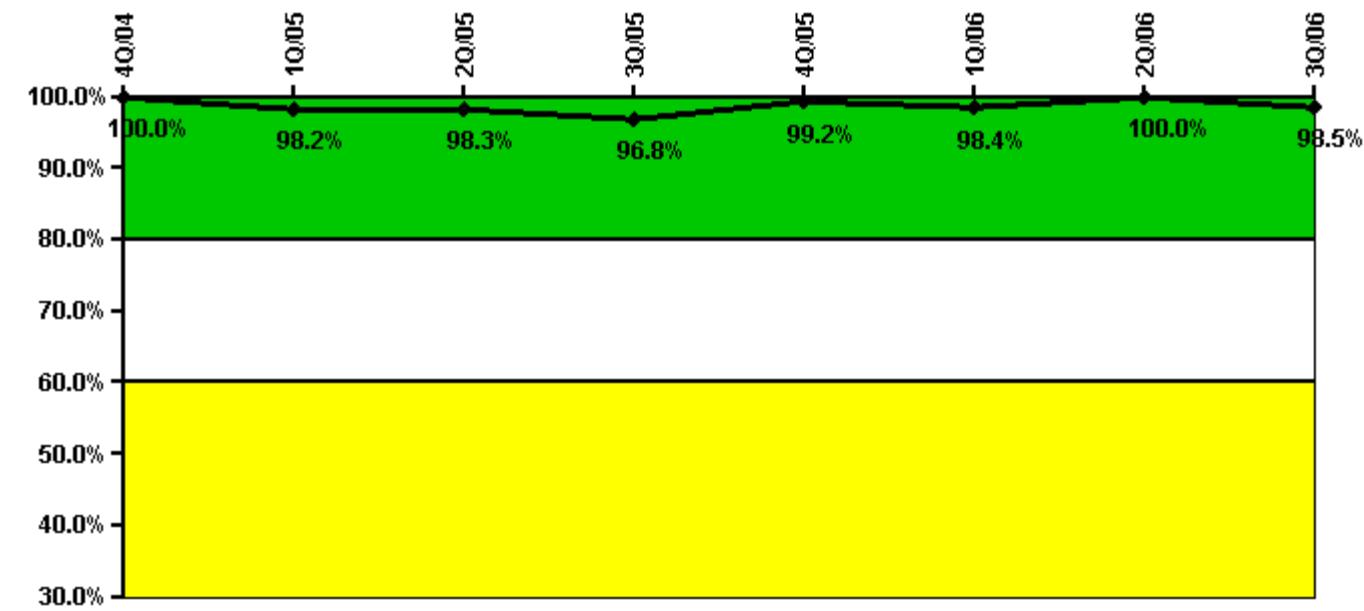
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	18.0	1.0	14.0	37.0	19.0	4.0	17.0	34.0
Total opportunities	19.0	2.0	14.0	38.0	20.0	4.0	18.0	41.0
Indicator value	95.2%	95.7%	97.0%	96.2%	96.6%	96.6%	96.6%	92.3%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	114.0	109.0	119.0	120.0	128.0	124.0	129.0	133.0
Total Key personnel	114.0	111.0	121.0	124.0	129.0	126.0	129.0	135.0
Indicator value	100.0%	98.2%	98.3%	96.8%	99.2%	98.4%	100.0%	98.5%

Licensee Comments: none

**Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

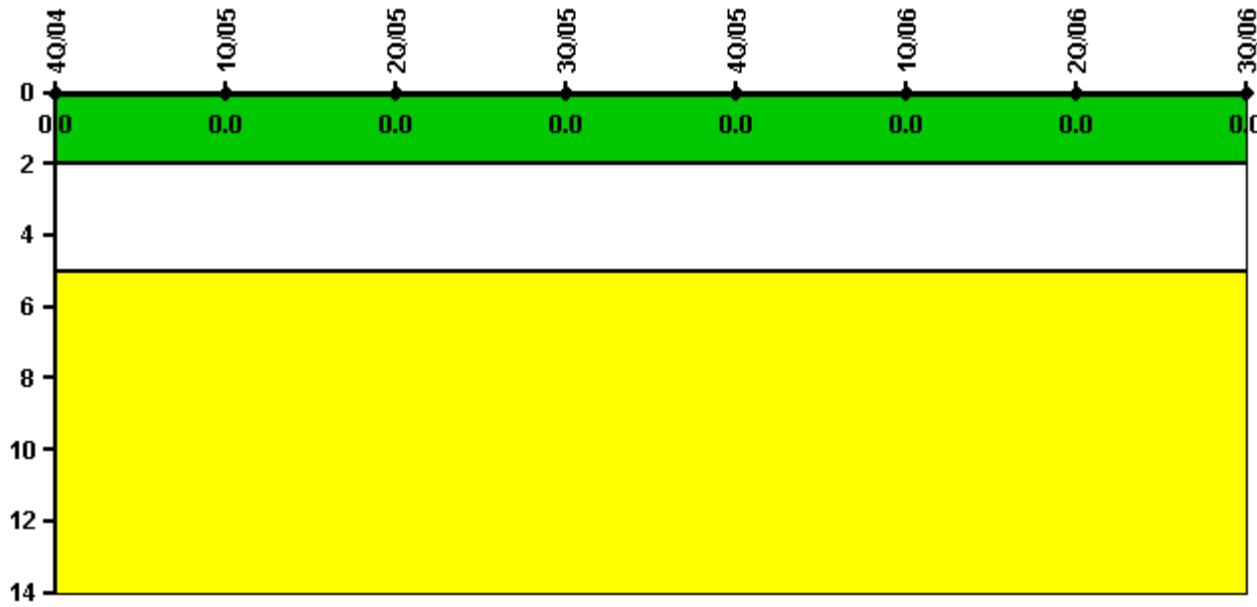
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

**Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/04</b>	<b>1Q/05</b>	<b>2Q/05</b>	<b>3Q/05</b>	<b>4Q/05</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

3Q/06: Plant Hatch does not use sirens as an emergency notification system.

**Occupational Exposure Control Effectiveness**

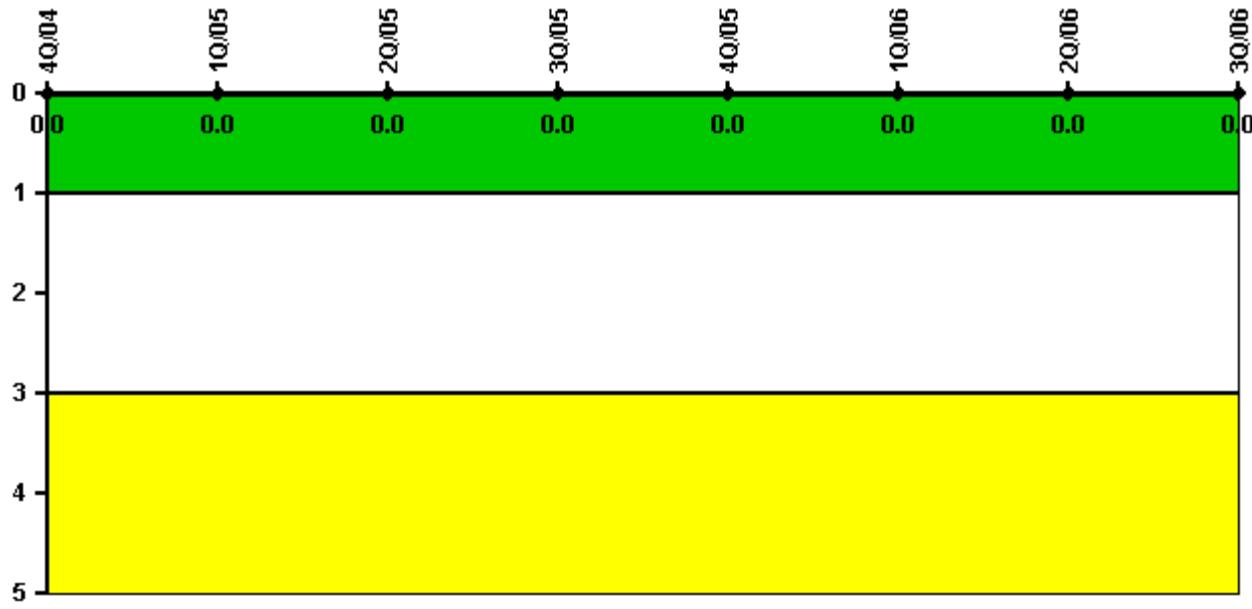
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

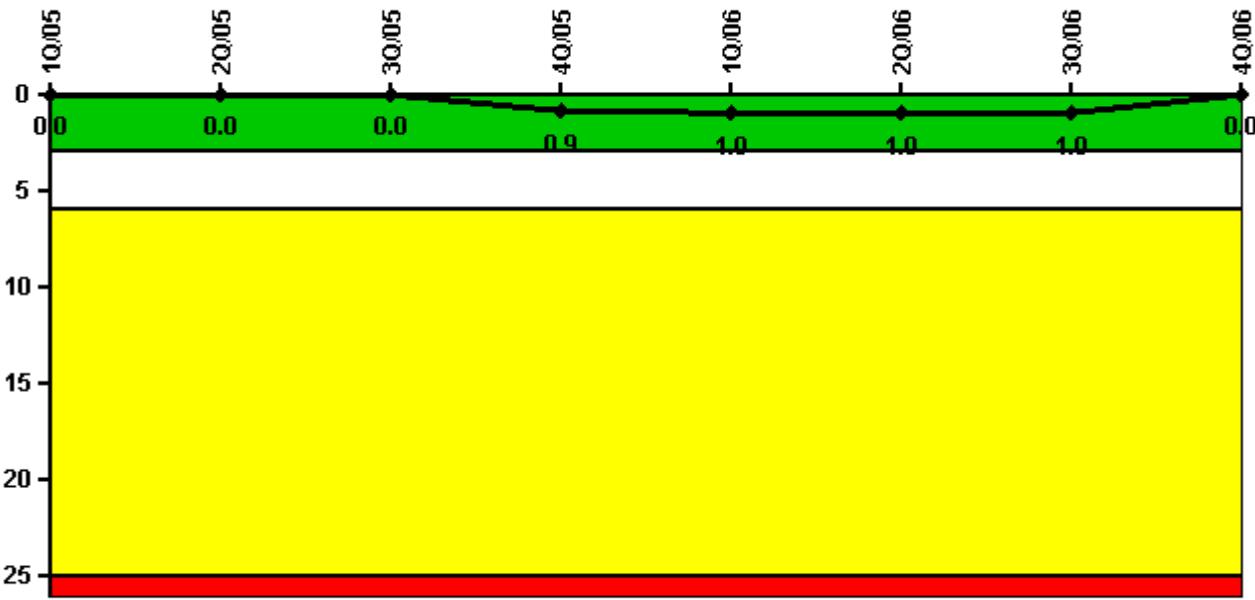
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[Physical Protection](#) information not publicly available.

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**Hatch 1****4Q/2006 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

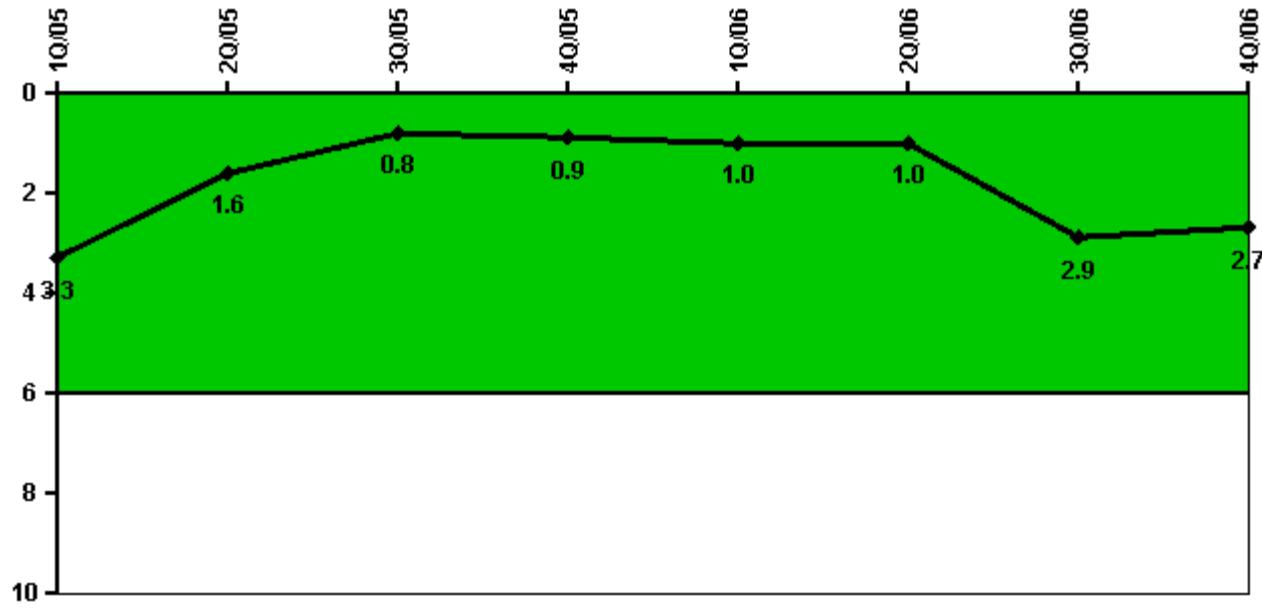
**Notes**

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	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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### Unplanned Power Changes per 7000 Critical Hrs

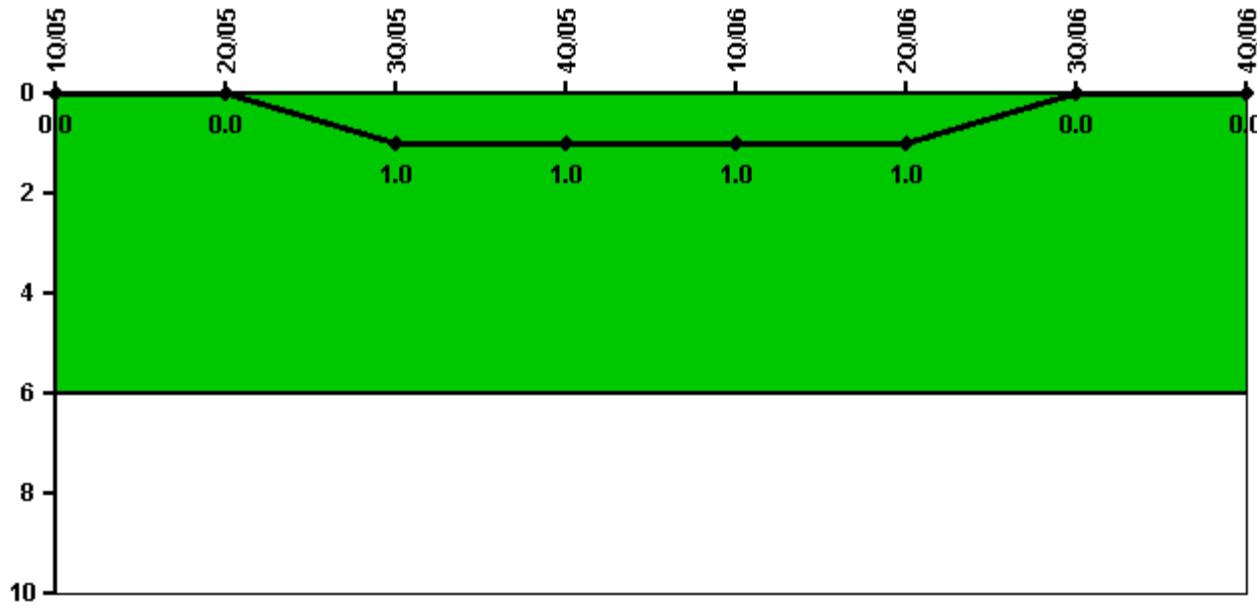


Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	1.0	0	0	0	1.0	2.0	0
Critical hours	1962.2	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0
Indicator value	3.3	1.6	0.8	0.9	1.0	1.0	2.9	2.7

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White > 6.0

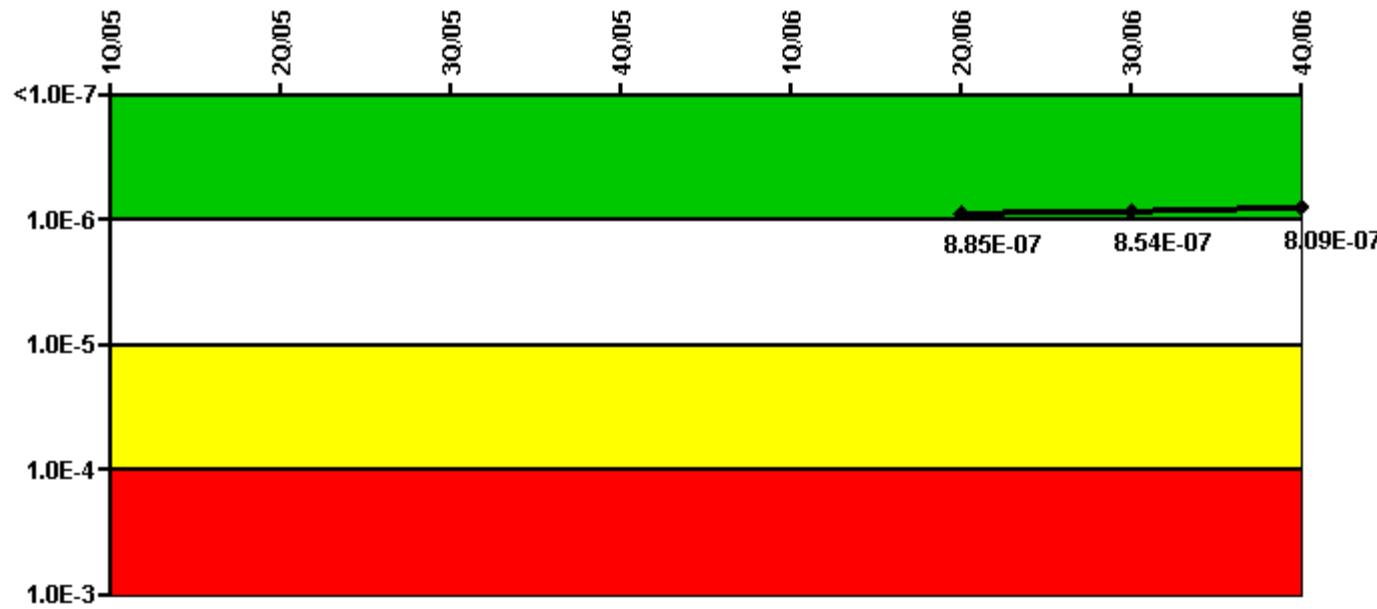
**Notes**

Safety System Functional Failures (BWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

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

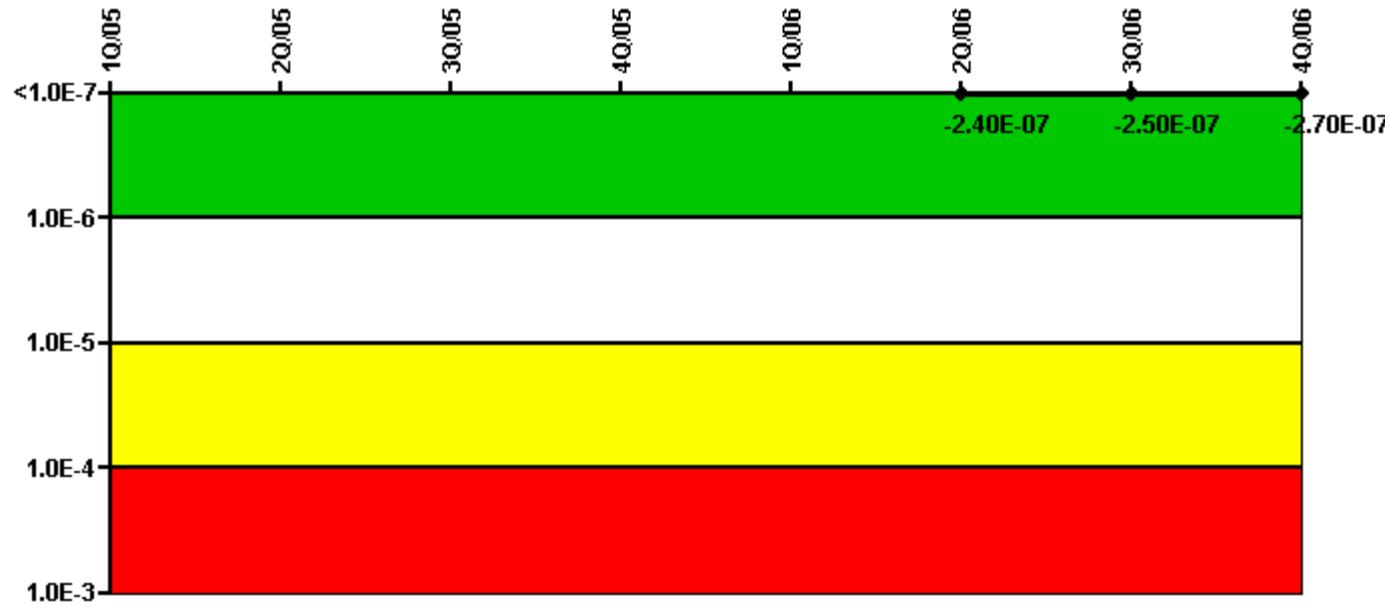
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						4.50E-08	5.40E-08	1.90E-08
URI ( $\Delta$ CDF)						8.40E-07	8.00E-07	7.90E-07
PLE						NO	NO	NO
<b>Indicator value</b>						<b>8.85E-07</b>	<b>8.54E-07</b>	<b>8.09E-07</b>

### Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for 1B and SSW trains. Adjustment mainly due to periodic PM not in previous baseline.

## Mitigating Systems Performance Index, High Pressure Injection System



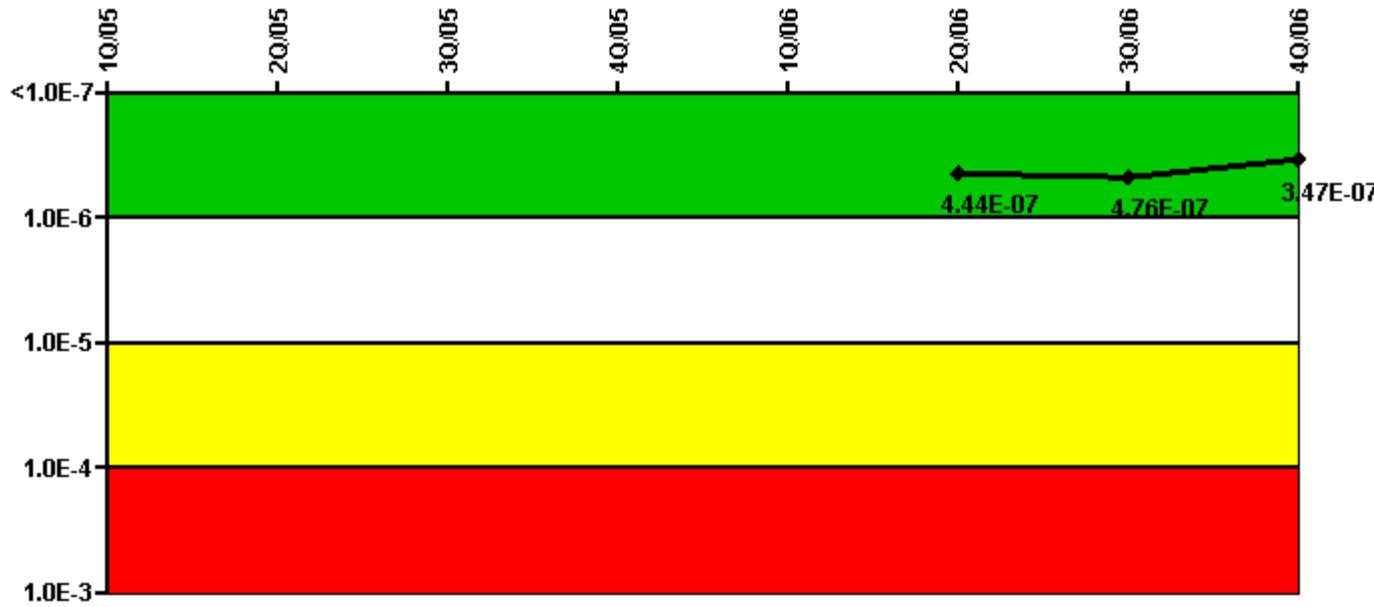
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						-1.10E-07	-1.10E-07	-1.10E-07
URI ( $\Delta$ CDF)						-1.30E-07	-1.40E-07	-1.60E-07
PLE						NO	NO	NO
<b>Indicator value</b>						<b>-2.40E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



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

### Notes

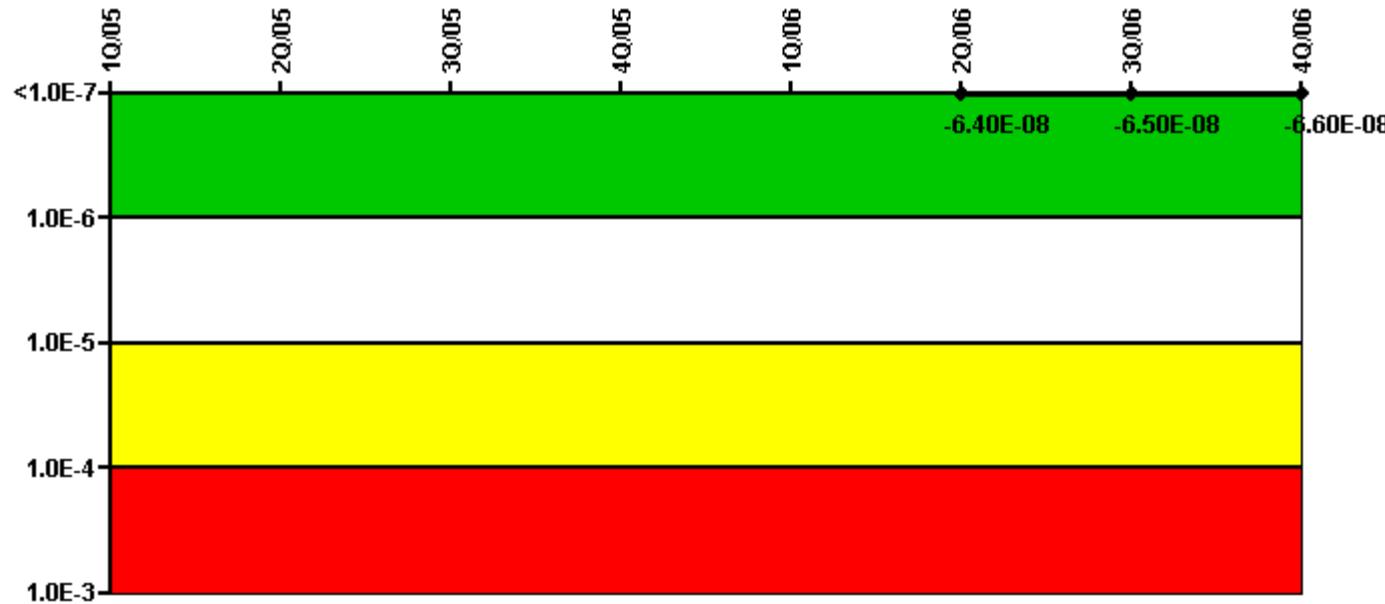
Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						6.40E-08	7.60E-08	-5.30E-08
URI (ΔCDF)						3.80E-07	4.00E-07	4.00E-07
PLE						NO	NO	NO
<b>Indicator value</b>						<b>4.44E-07</b>	<b>4.76E-07</b>	<b>3.47E-07</b>

### Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06. Adjustment mainly due to periodic PM not in previous baseline.

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## Mitigating Systems Performance Index, Residual Heat Removal System



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

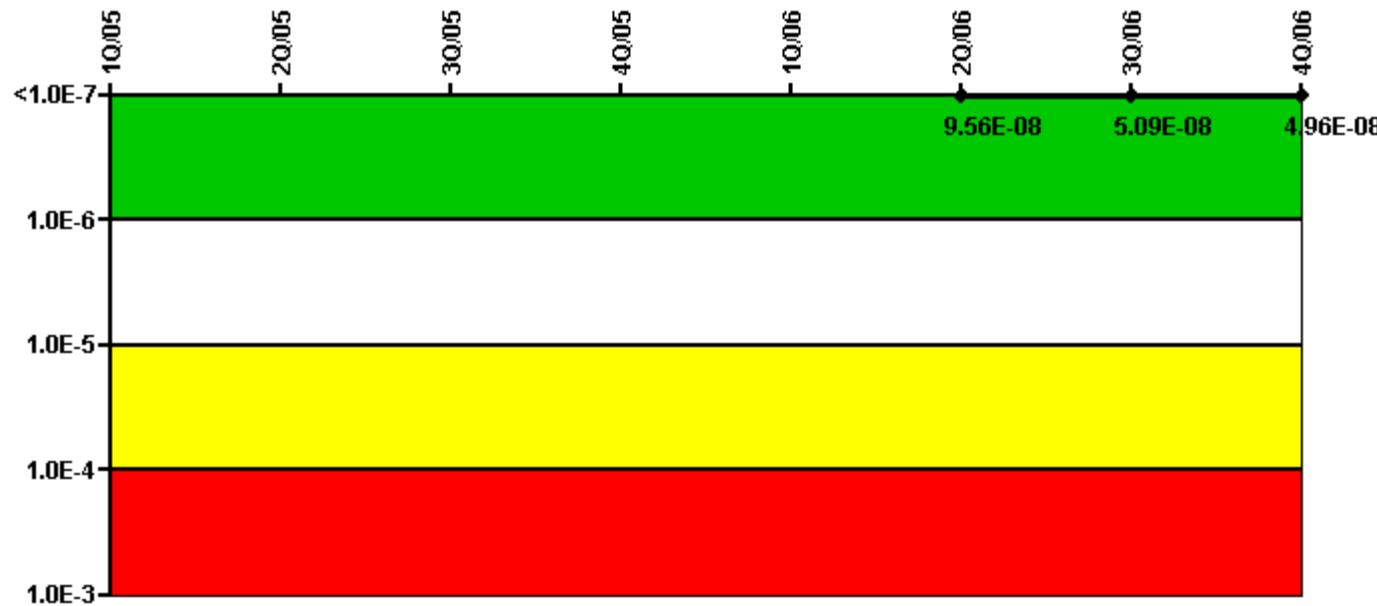
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						-1.00E-08	-1.00E-08	-1.00E-08
URI ( $\Delta$ CDF)						-5.40E-08	-5.50E-08	-5.60E-08
PLE						NO	NO	NO
<b>Indicator value</b>						<b>-6.40E-08</b>	<b>-6.50E-08</b>	<b>-6.60E-08</b>

### Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for Div 1 and Div 2. Adjustment mainly due to roll off of periodic PM.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

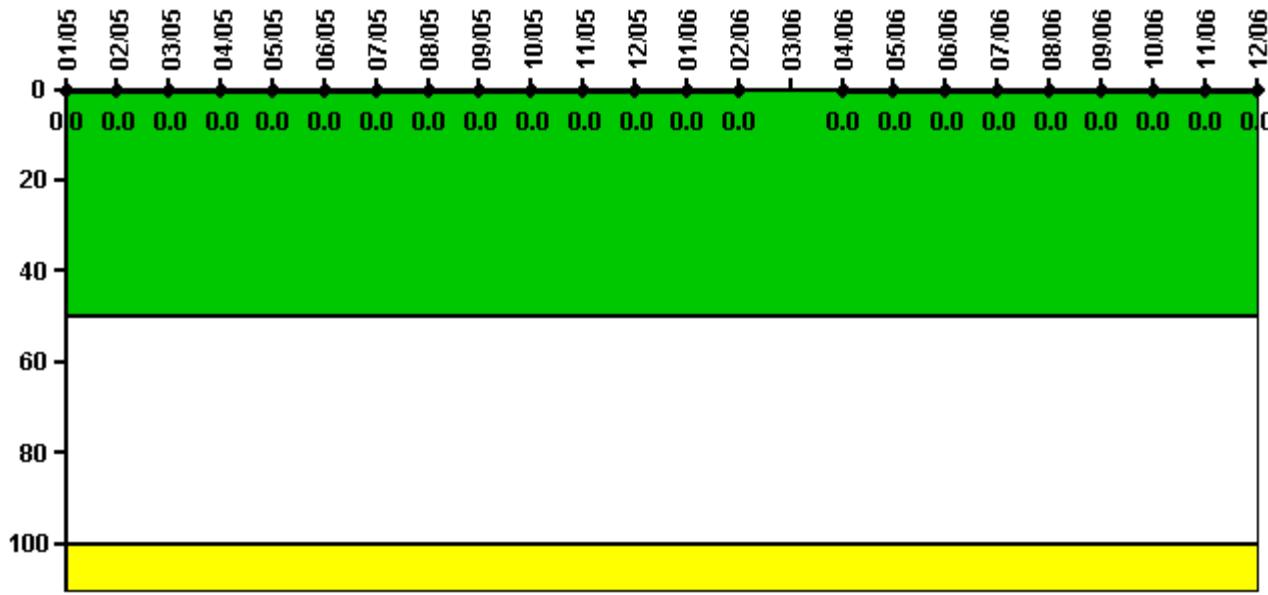
Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						9.30E-08	4.80E-08	4.70E-08
URI ( $\Delta$ CDF)						2.60E-09	2.90E-09	2.60E-09
PLE						NO	NO	NO
<b>Indicator value</b>						<b>9.56E-08</b>	<b>5.09E-08</b>	<b>4.96E-08</b>

### Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for all CWS1 trains. Adjustment mainly due to periodic PM not in previous baseline.

---

## Reactor Coolant System Activity



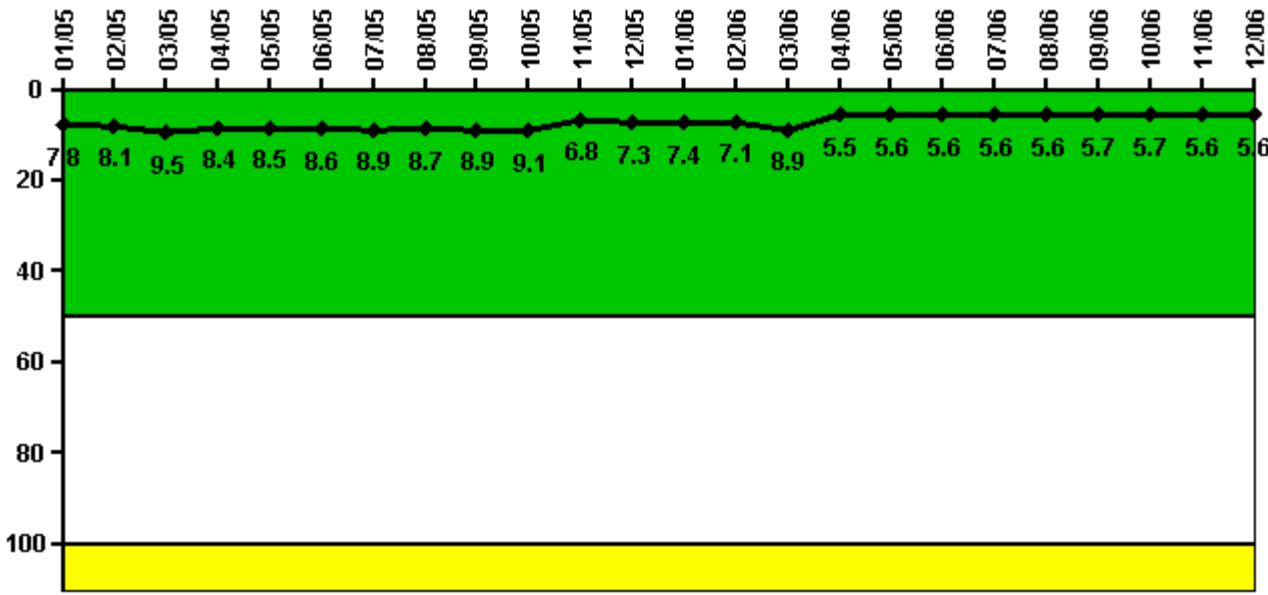
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000006	0.000006	0.000010	0.000008	0.000010	0.000009	0.000010	0.000010	0.000010	0.000009	0.000006	0.000005
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000006	0.000009	N/A	0.000012	0.000014	0.000015	0.000006	0.000005	0.000007	0.000008	0.000008	0.000007
Indicator value	0	0	N/A	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

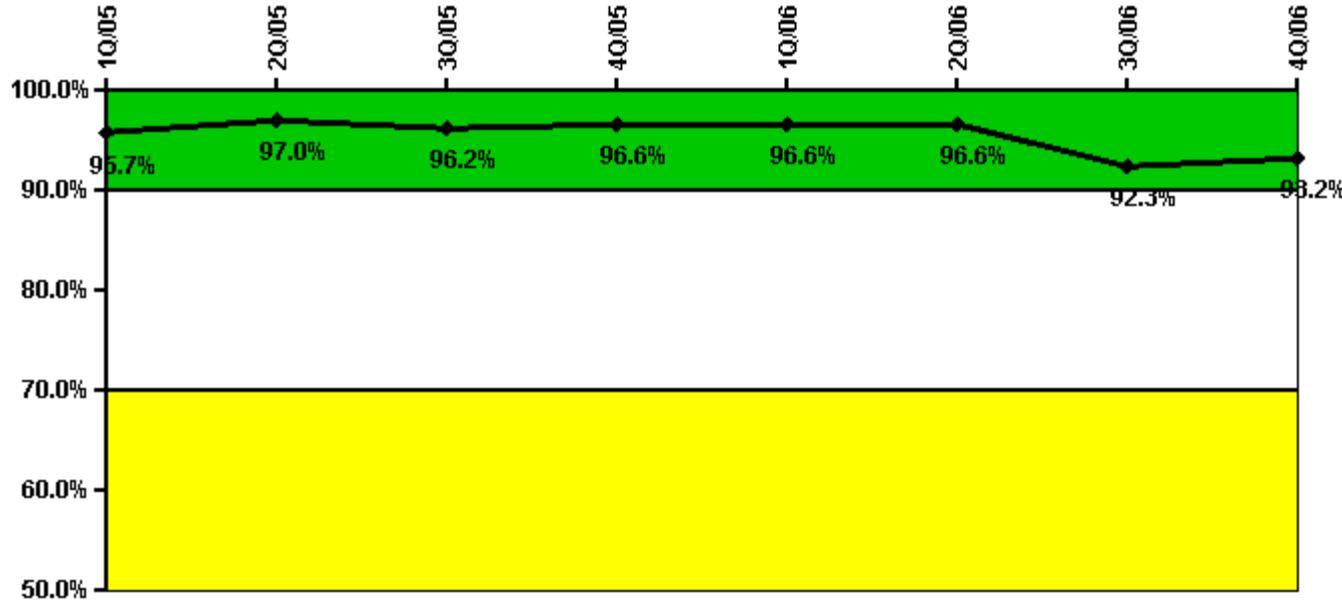
### Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	2.350	2.420	2.860	2.530	2.560	2.580	2.670	2.600	2.670	2.730	2.050	2.190
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
<b>Indicator value</b>	<b>7.8</b>	<b>8.1</b>	<b>9.5</b>	<b>8.4</b>	<b>8.5</b>	<b>8.6</b>	<b>8.9</b>	<b>8.7</b>	<b>8.9</b>	<b>9.1</b>	<b>6.8</b>	<b>7.3</b>
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	2.210	2.140	2.680	1.660	1.680	1.670	1.680	1.680	1.700	1.700	1.690	1.680
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
<b>Indicator value</b>	<b>7.4</b>	<b>7.1</b>	<b>8.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>

### Licensee Comments:

9/06: Corrected previously reported data for August and September 2006. August data changed from 1.66 gpm to 1.68 gpm. September data changed from 1.67 gpm to 1.7 gpm.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

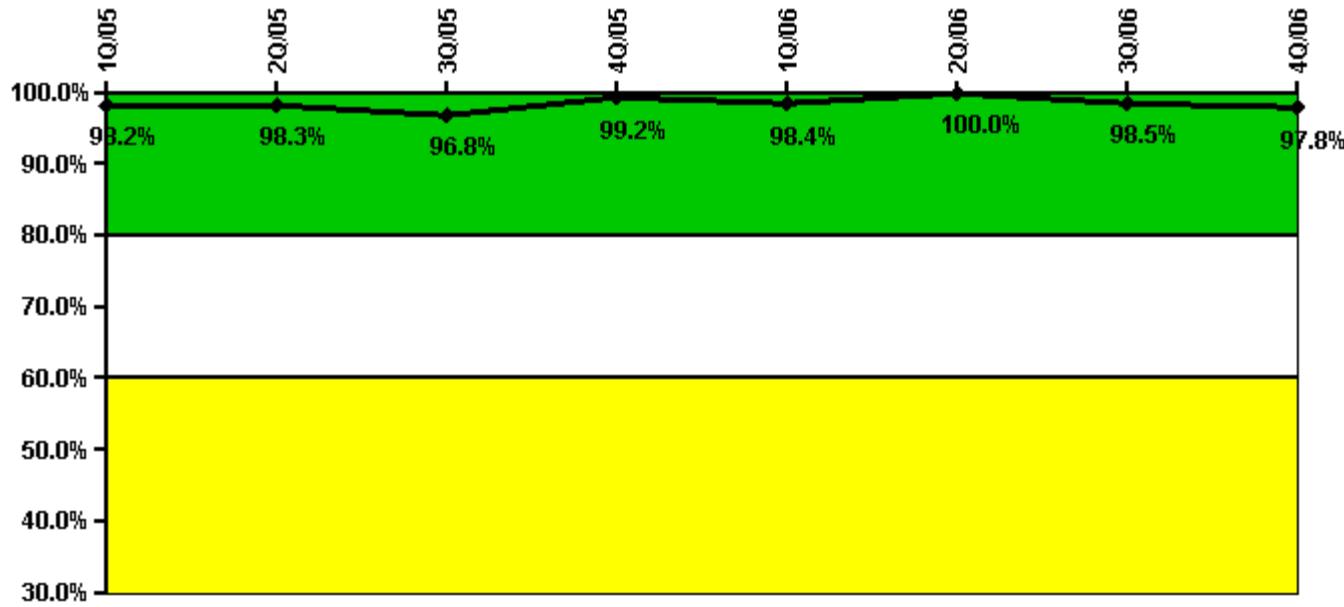
#### Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	1.0	14.0	37.0	19.0	4.0	17.0	34.0	24.0
Total opportunities	2.0	14.0	38.0	20.0	4.0	18.0	41.0	24.0
Indicator value	95.7%	97.0%	96.2%	96.6%	96.6%	96.6%	92.3%	93.2%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	109.0	119.0	120.0	128.0	124.0	129.0	133.0	134.0
Total Key personnel	111.0	121.0	124.0	129.0	126.0	129.0	135.0	137.0
Indicator value	98.2%	98.3%	96.8%	99.2%	98.4%	100.0%	98.5%	97.8%

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

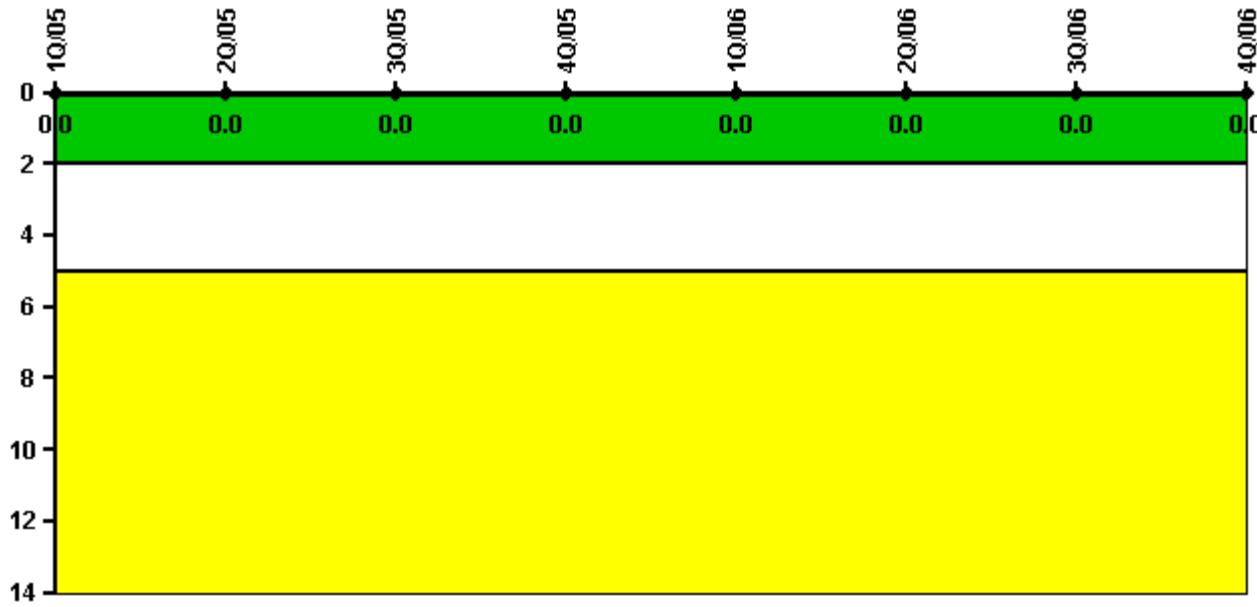
**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/05</b>	<b>2Q/05</b>	<b>3Q/05</b>	<b>4Q/05</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

4Q/06: Plant Hatch does not use sirens as an emergency notification system.

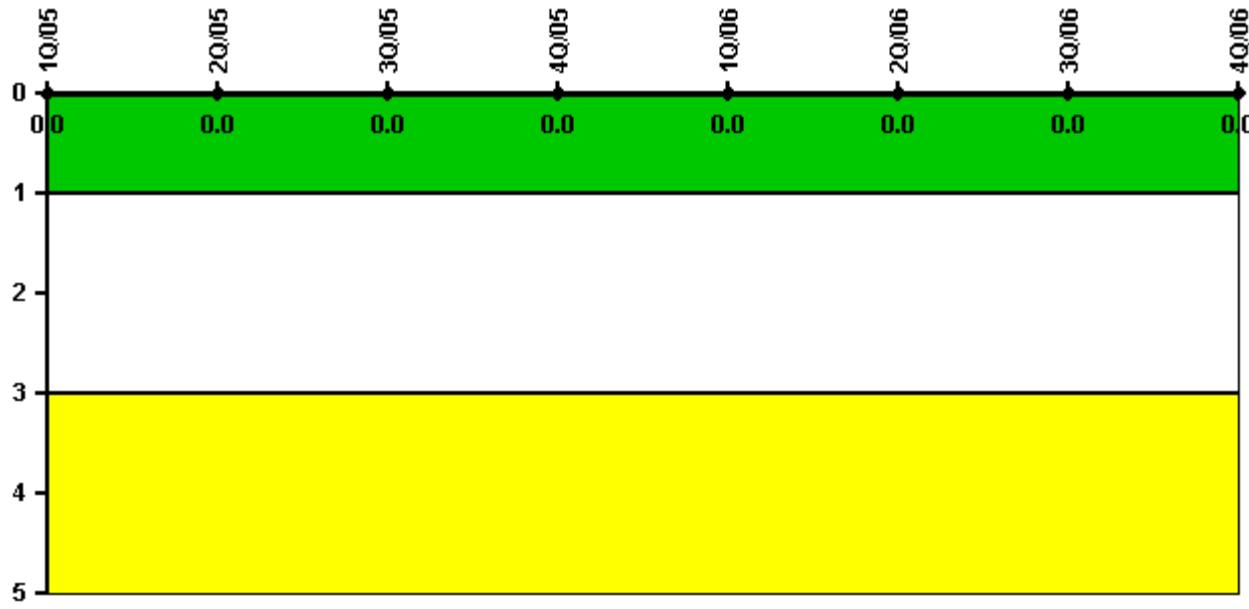
**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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

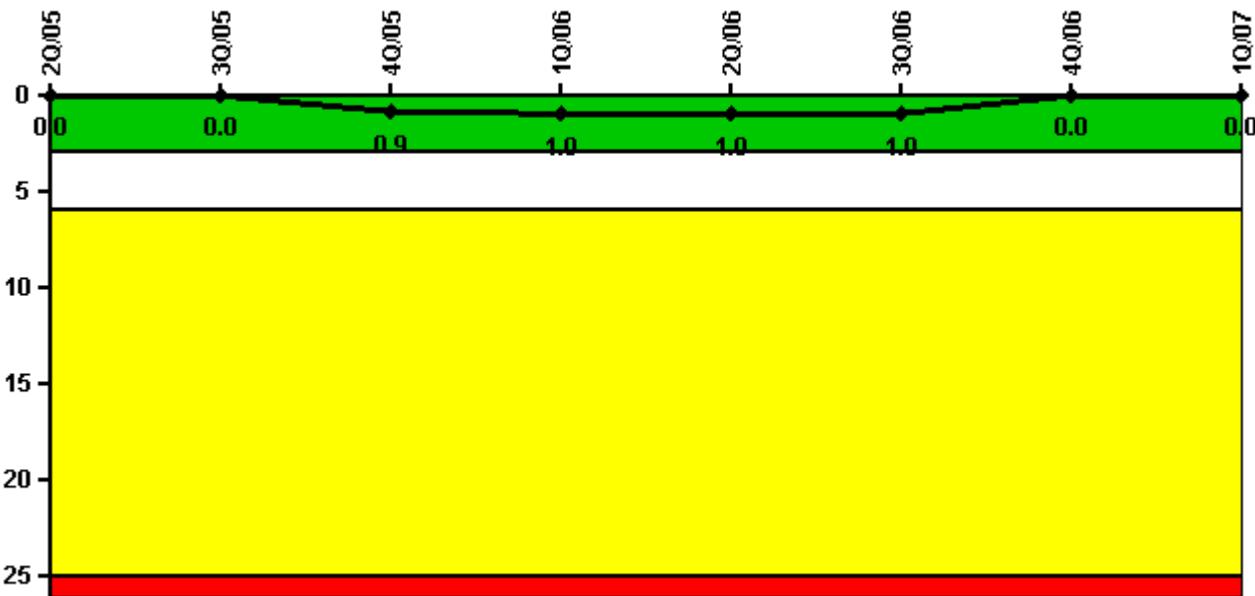
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# Hatch 1

## 1Q/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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1
Indicator value	0	0	0.9	1.0	1.0	1.0	0	0

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

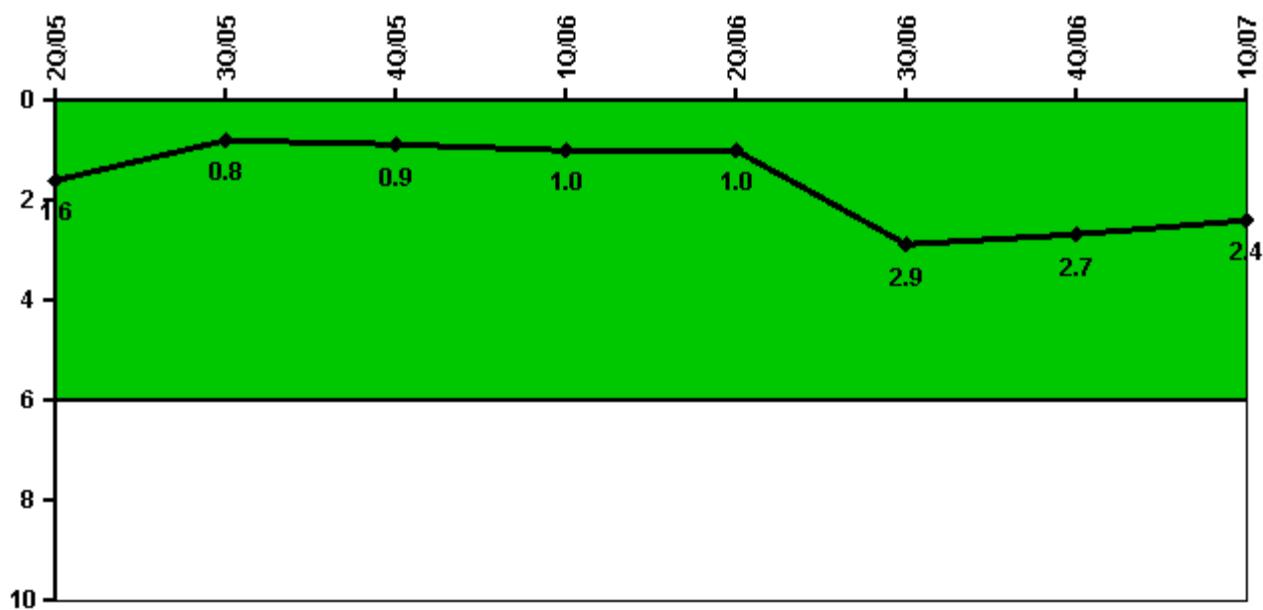
### Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	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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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

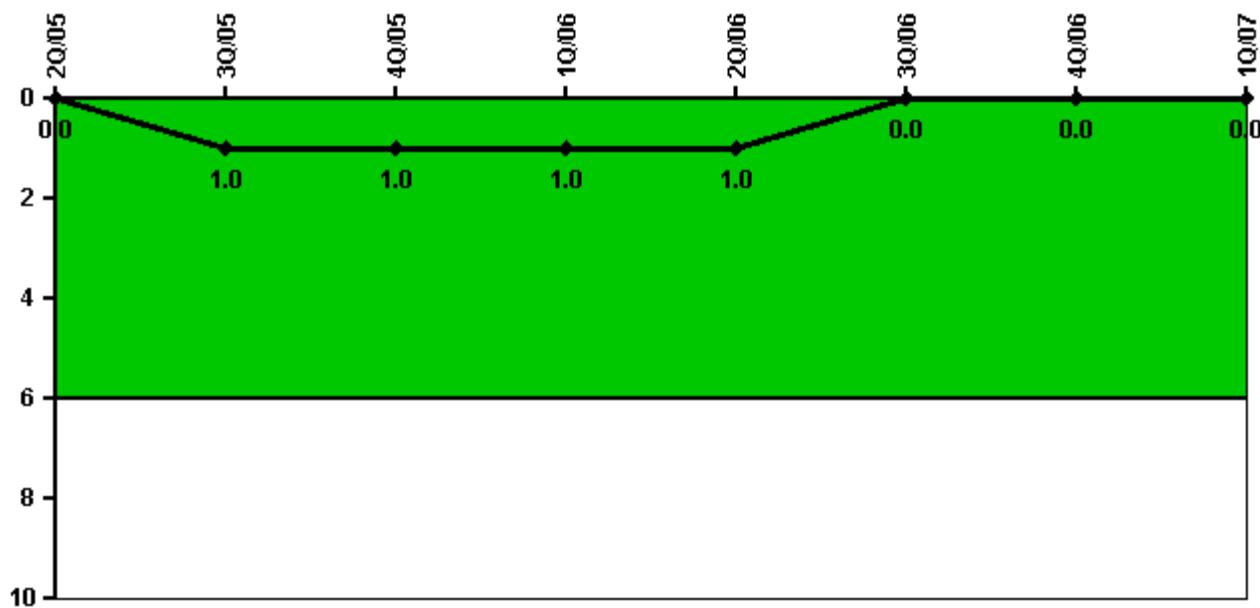
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	1.0	0	0	0	1.0	2.0	0	0
Critical hours	2183.0	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1
<b>Indicator value</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

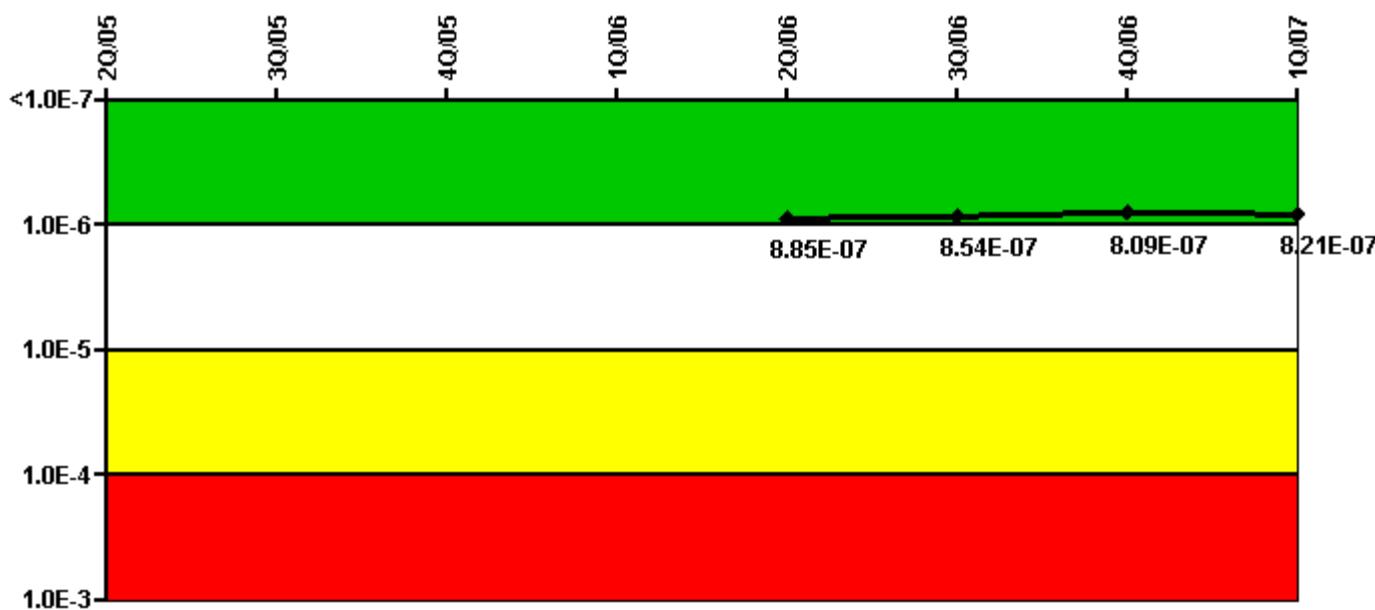
### Notes

Safety System Functional Failures (BWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



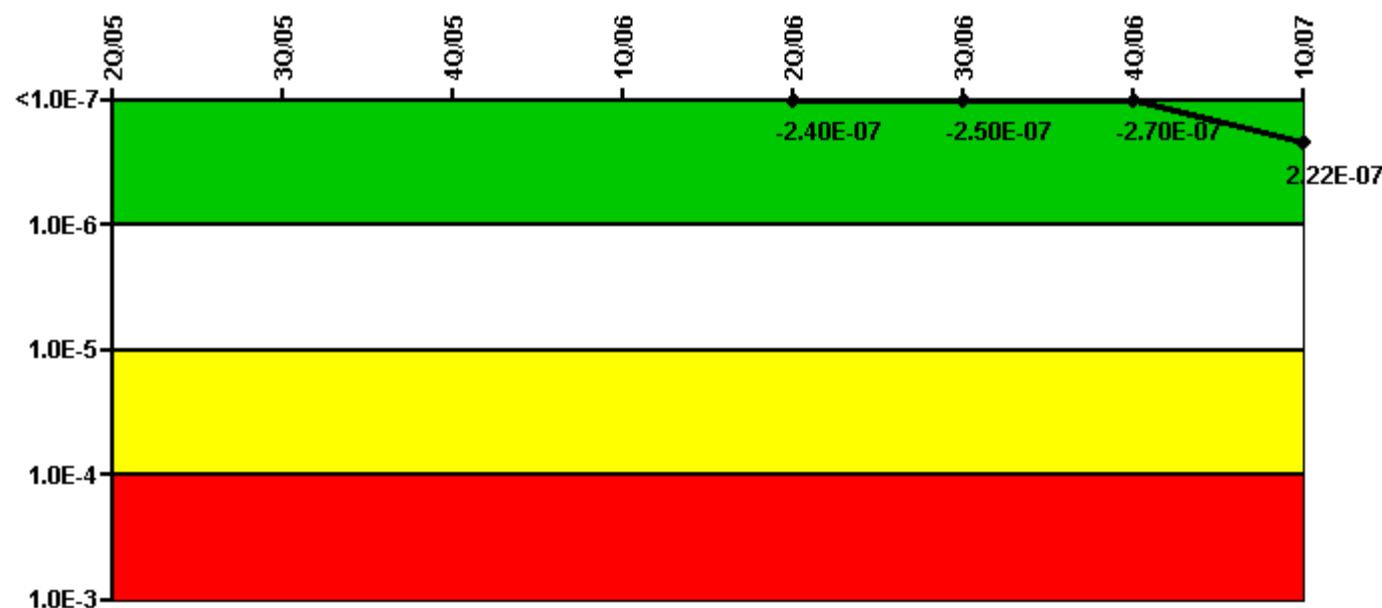
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					4.50E-08	5.40E-08	1.90E-08	1.10E-08
URI ( $\Delta$ CDF)					8.40E-07	8.00E-07	7.90E-07	8.10E-07
PLE					NO	NO	NO	NO
<b>Indicator value</b>					<b>8.85E-07</b>	<b>8.54E-07</b>	<b>8.09E-07</b>	<b>8.21E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



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

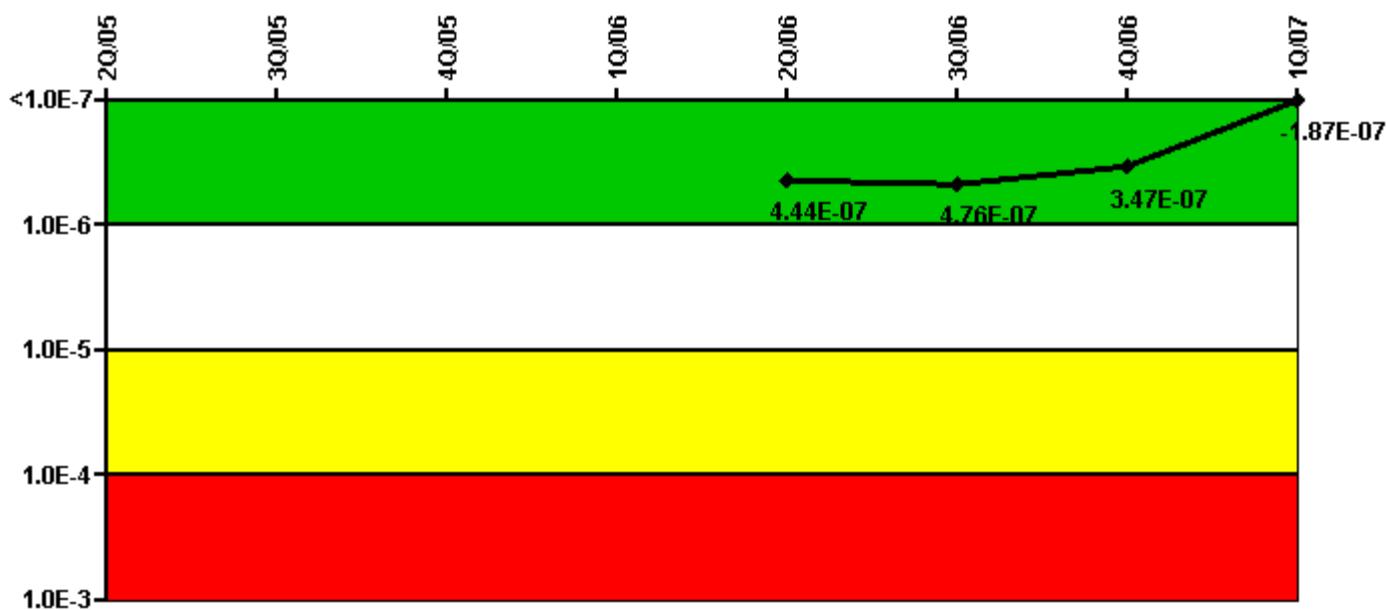
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					-1.10E-07	-1.10E-07	-1.10E-07	6.20E-08
URI ( $\Delta$ CDF)					-1.30E-07	-1.40E-07	-1.60E-07	1.60E-07
PLE					NO	NO	NO	NO
Indicator value					-2.40E-07	-2.50E-07	-2.70E-07	2.22E-07

Licensee Comments:

1Q/07: URI and UAI increased due to equipment failures and associated unavailability.

## Mitigating Systems Performance Index, Heat Removal System



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

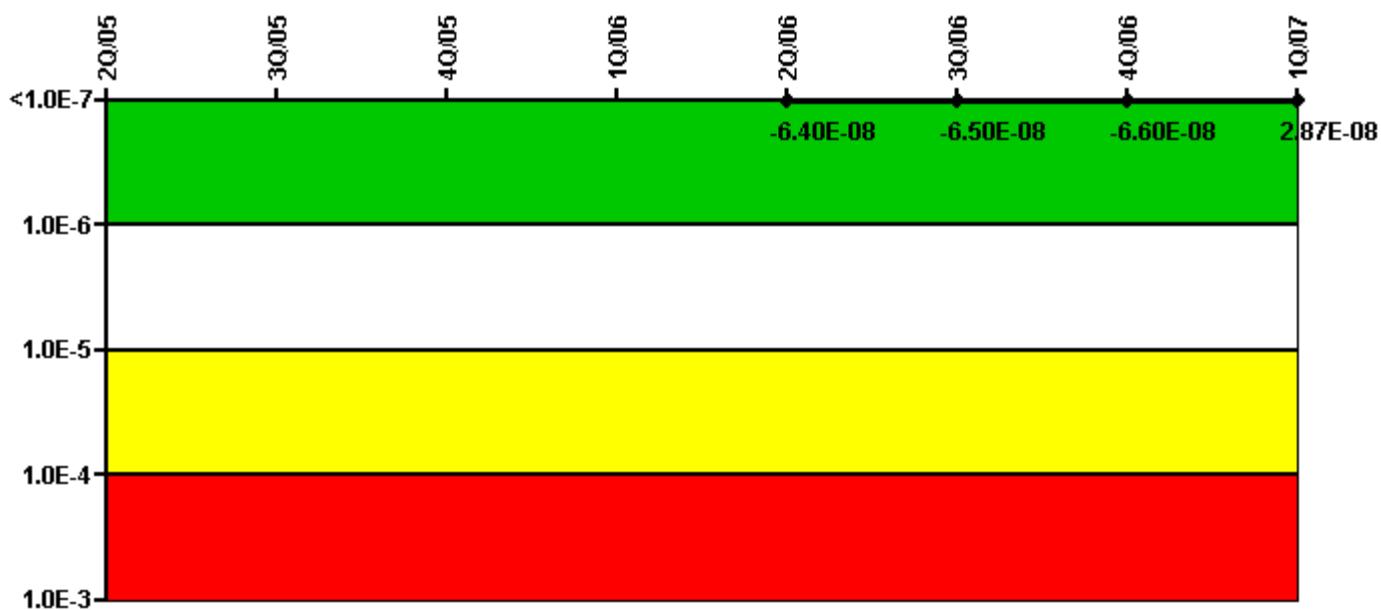
### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					6.40E-08	7.60E-08	-5.30E-08	-5.70E-08
URI ( $\Delta$ CDF)					3.80E-07	4.00E-07	4.00E-07	-1.30E-07
PLE					NO	NO	NO	NO
Indicator value					4.44E-07	4.76E-07	3.47E-07	-1.87E-07

Licensee Comments:

1Q/07: URI decreased due to roll-off of equipment failure.

## Mitigating Systems Performance Index, Residual Heat Removal System



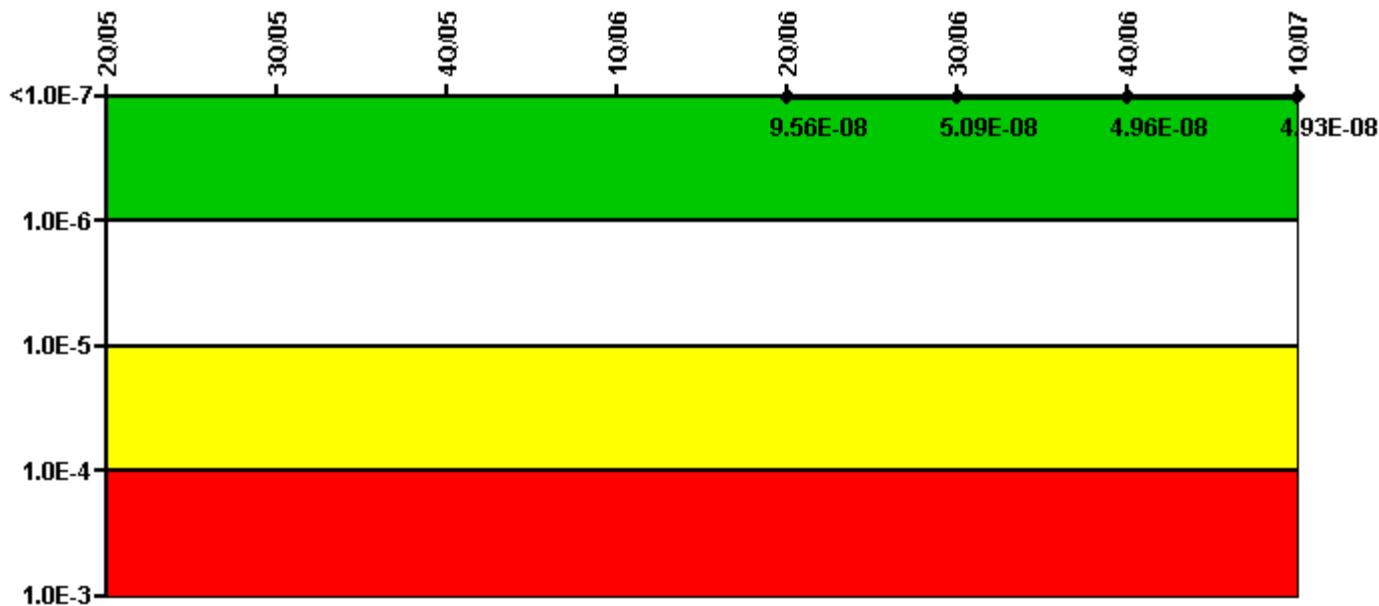
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					-1.00E-08	-1.00E-08	-1.00E-08	-8.30E-09
URI ( $\Delta$ CDF)					-5.40E-08	-5.50E-08	-5.60E-08	3.70E-08
PLE					NO	NO	NO	NO
Indicator value					<b>-6.40E-08</b>	<b>-6.50E-08</b>	<b>-6.60E-08</b>	<b>2.87E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



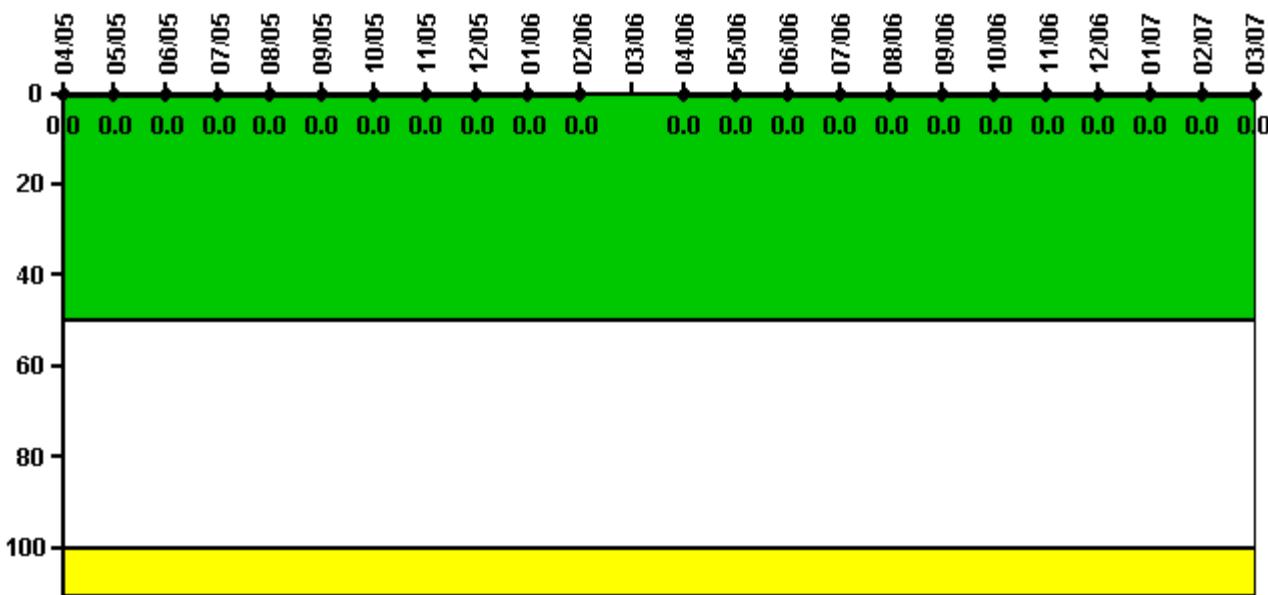
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					9.30E-08	4.80E-08	4.70E-08	4.20E-08
URI ( $\Delta$ CDF)					2.60E-09	2.90E-09	2.60E-09	7.30E-09
PLE					NO	NO	NO	NO
Indicator value					9.56E-08	5.09E-08	4.96E-08	4.93E-08

Licensee Comments: none

## Reactor Coolant System Activity



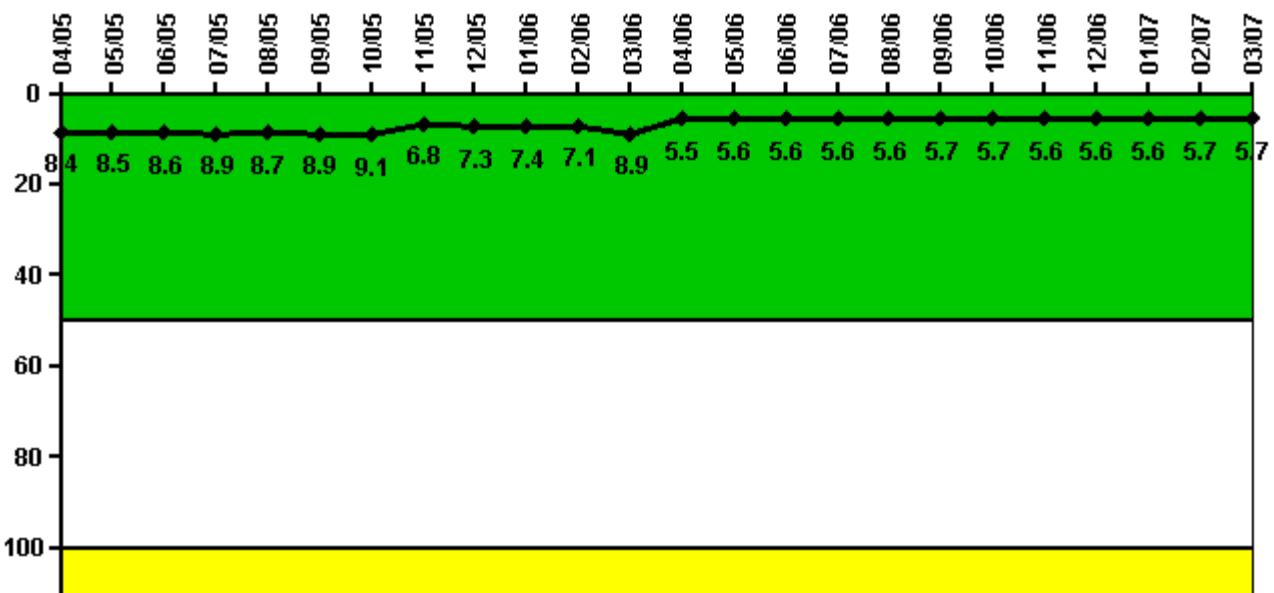
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity		4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity		0.000008	0.000010	0.000009	0.000010	0.000010	0.000010	0.000009	0.000006	0.000005	0.000006	0.000009	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
<b>Indicator value</b>		<b>0</b>	<b>N/A</b>										
Reactor Coolant System Activity		4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity		0.000012	0.000014	0.000015	0.000006	0.000005	0.000007	0.000008	0.000008	0.000007	0.000006	0.000006	0.000006
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
<b>Indicator value</b>		<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



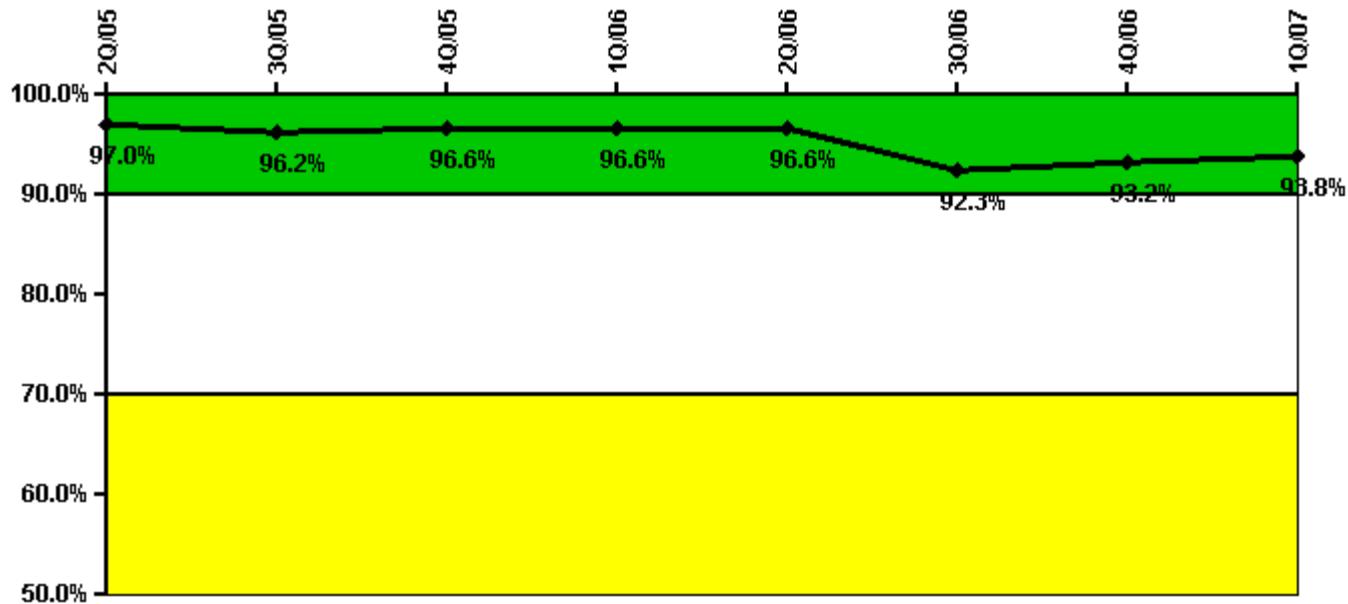
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	2.530	2.560	2.580	2.670	2.600	2.670	2.730	2.050	2.190	2.210	2.140	2.680
Indicator value	8.4	8.5	8.6	8.9	8.7	8.9	9.1	6.8	7.3	7.4	7.1	8.9
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	1.660	1.680	1.670	1.680	1.680	1.700	1.700	1.690	1.680	1.690	1.700	1.710
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	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.6	5.6	5.6	5.7	5.7

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

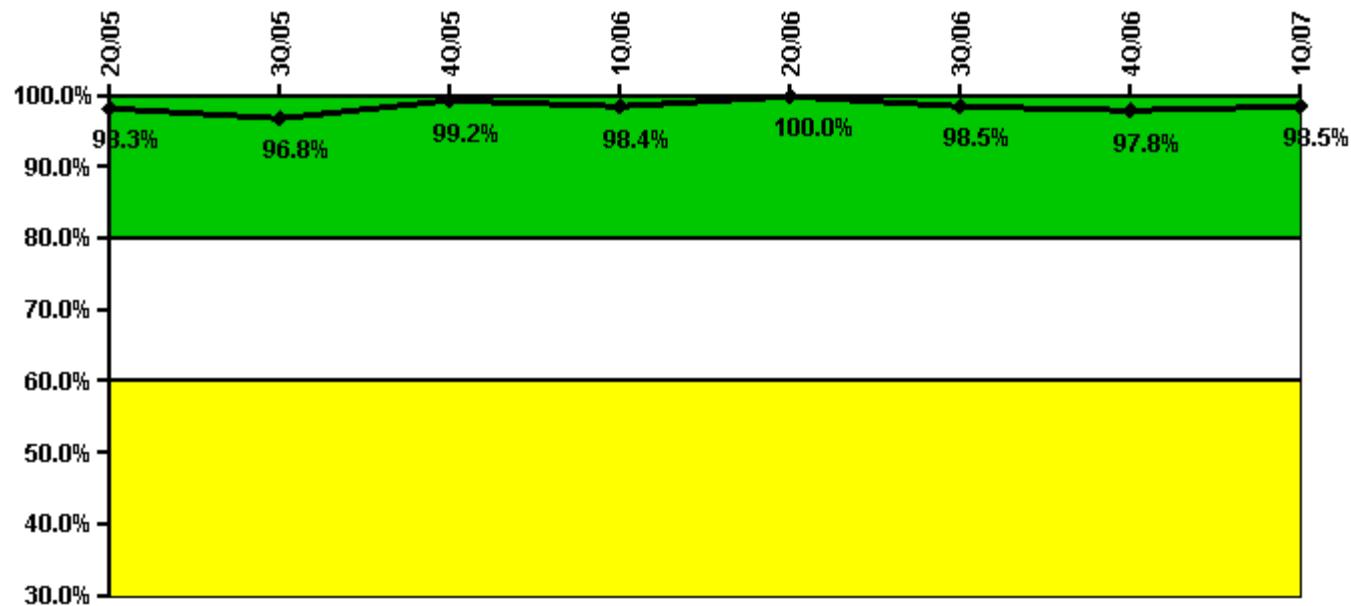
### Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	14.0	37.0	19.0	4.0	17.0	34.0	24.0	2.0
Total opportunities	14.0	38.0	20.0	4.0	18.0	41.0	24.0	2.0
Indicator value	97.0%	96.2%	96.6%	96.6%	96.6%	92.3%	93.2%	93.8%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	119.0	120.0	128.0	124.0	129.0	133.0	134.0	132.0
Total Key personnel	121.0	124.0	129.0	126.0	129.0	135.0	137.0	134.0
Indicator value	98.3%	96.8%	99.2%	98.4%	100.0%	98.5%	97.8%	98.5%

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**

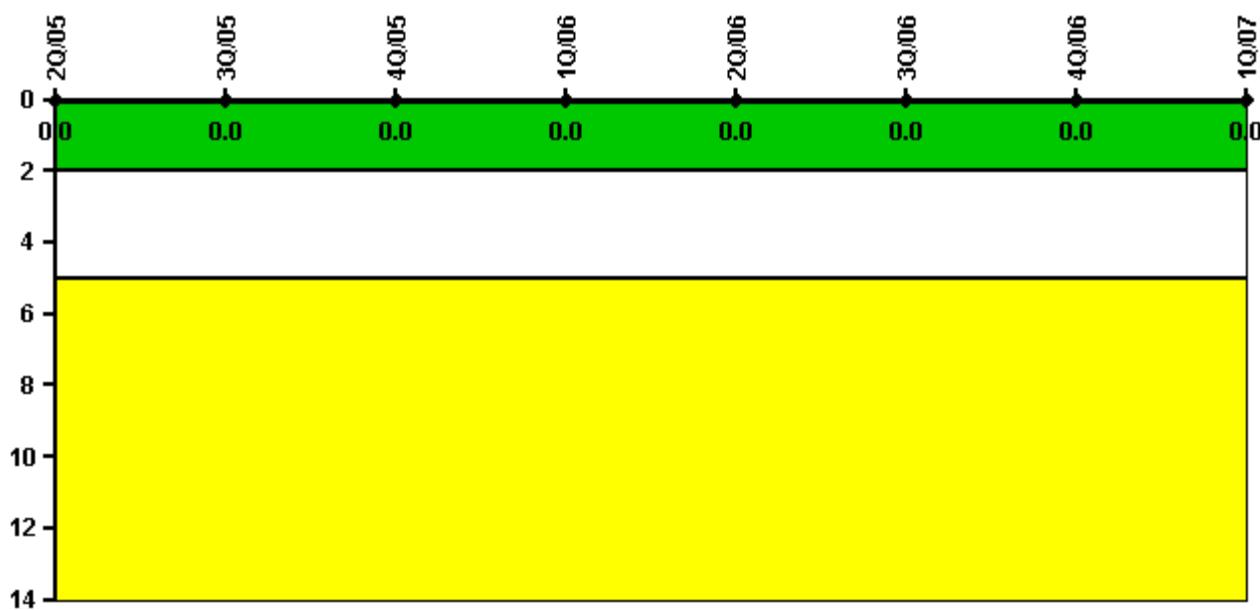
<b>Alert &amp; Notification System</b>	<b>2Q/05</b>	<b>3Q/05</b>	<b>4Q/05</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

1Q/07: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



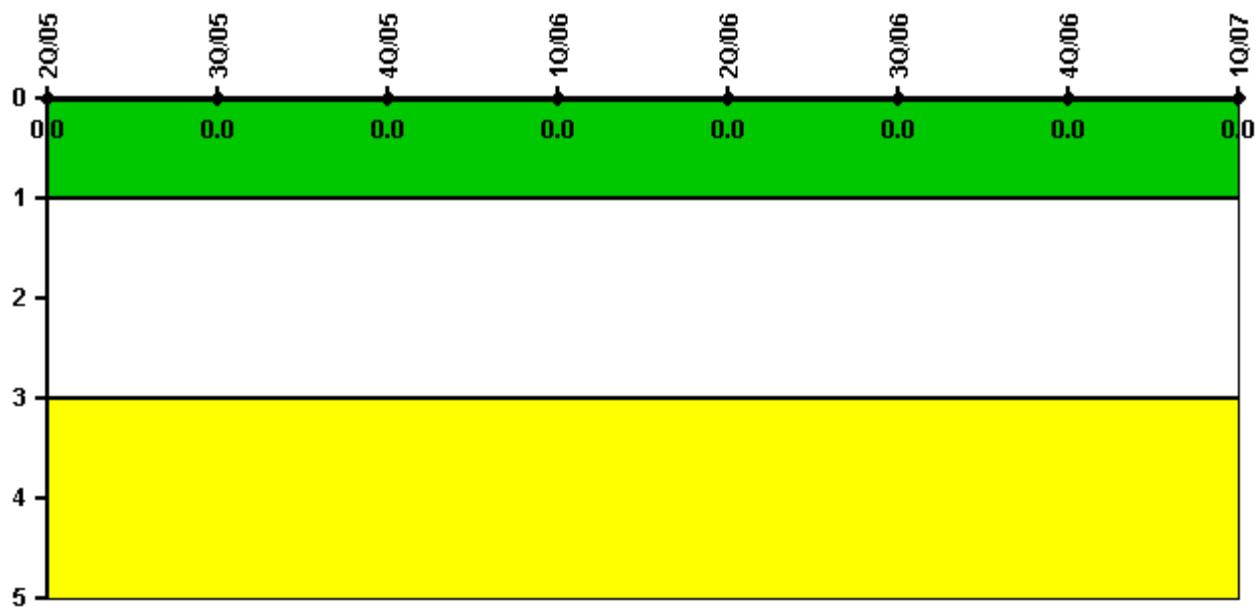
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/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.

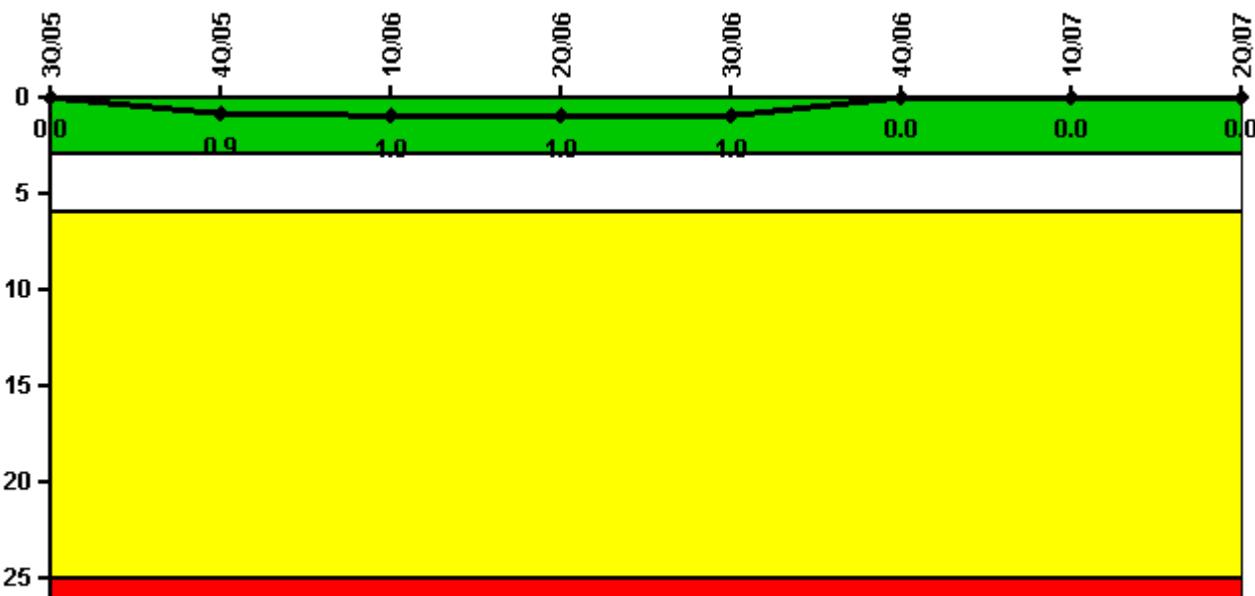
---

# Hatch 1

## 2Q/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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0
Indicator value	0	0.9	1.0	1.0	1.0	0	0	0

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

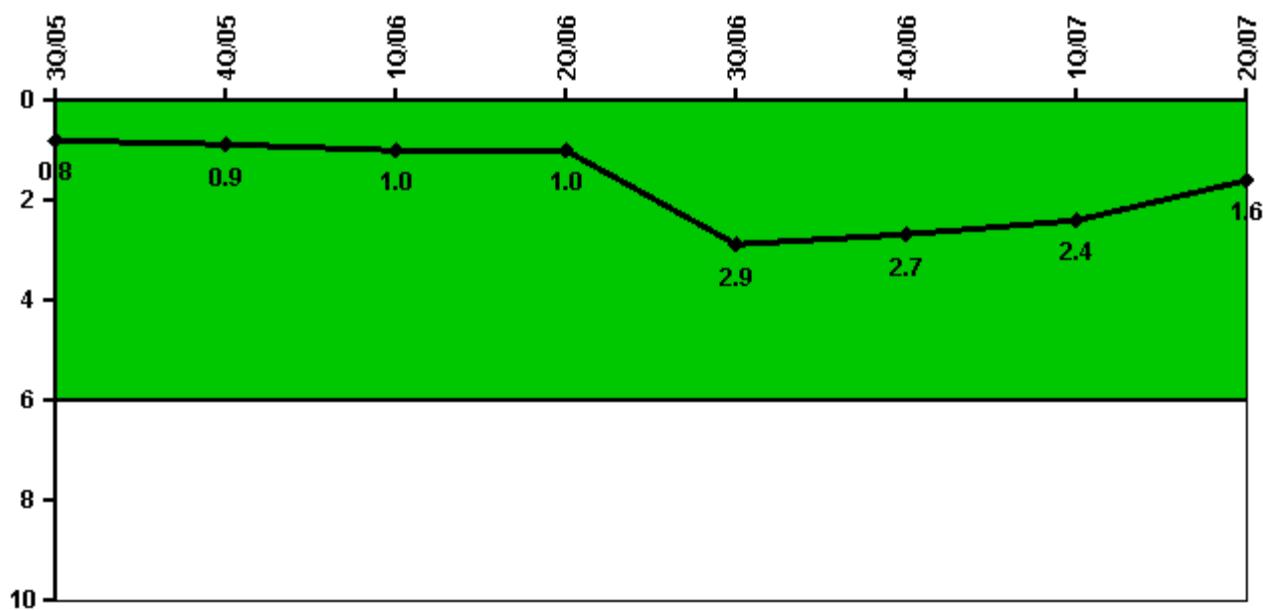
### Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	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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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

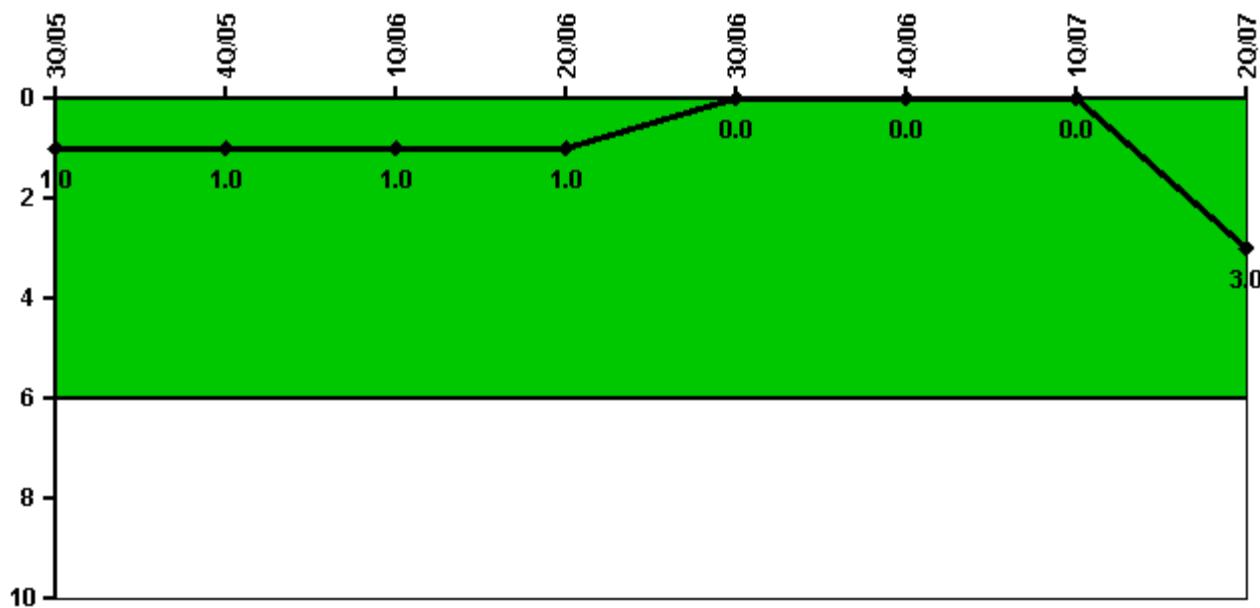
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	1.0	2.0	0	0	0
Critical hours	2208.0	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0
<b>Indicator value</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

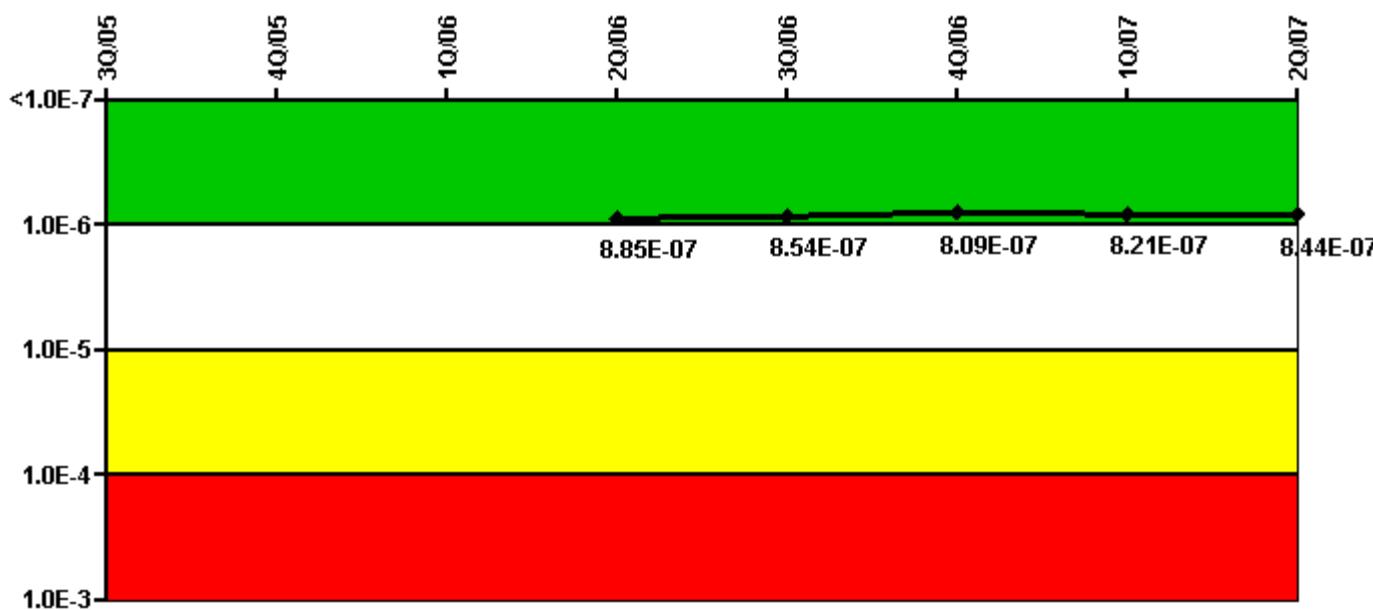
### Notes

Safety System Functional Failures (BWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	1	0	0	0	0	0	0	3
Indicator value	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

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 >  $1.00E-4$

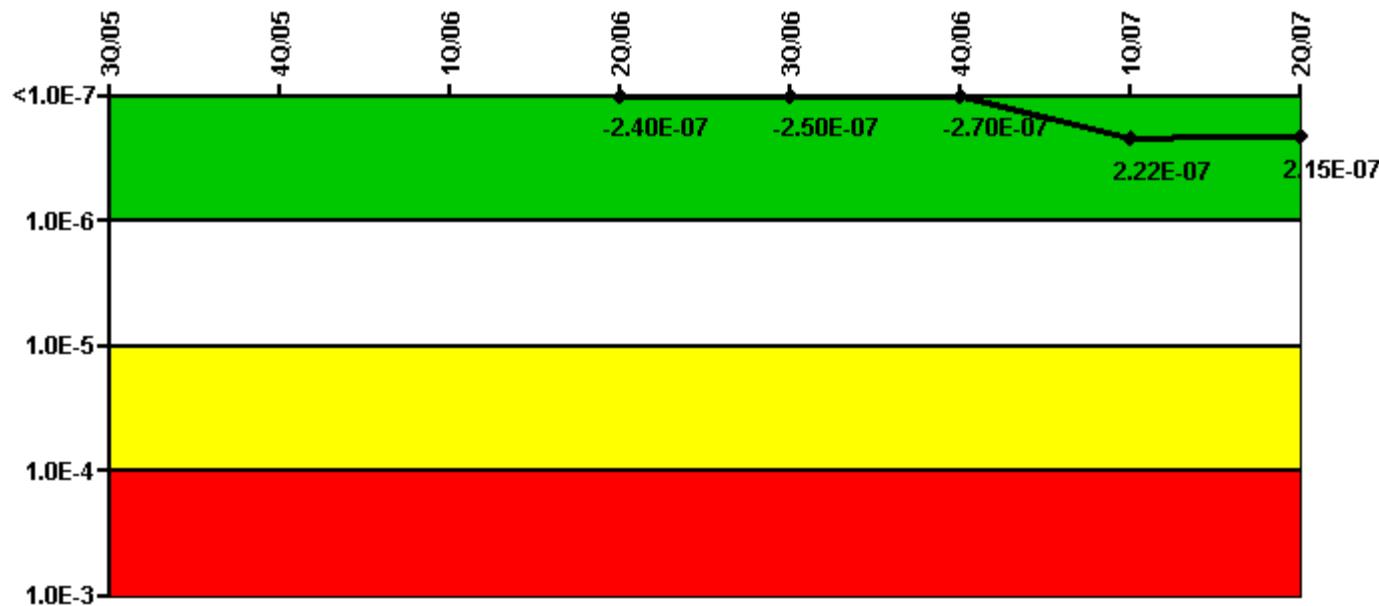
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				4.50E-08	5.40E-08	1.90E-08	1.10E-08	1.40E-08
URI ( $\Delta$ CDF)				8.40E-07	8.00E-07	7.90E-07	8.10E-07	8.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				8.85E-07	8.54E-07	8.09E-07	8.21E-07	8.44E-07

### Licensee Comments:

2Q/07: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 2Q07 for 1A and 1C trains. Adjustment made to UABLP to add planned unavailable hours projected for a periodic system outage (PM).

## Mitigating Systems Performance Index, High Pressure Injection System



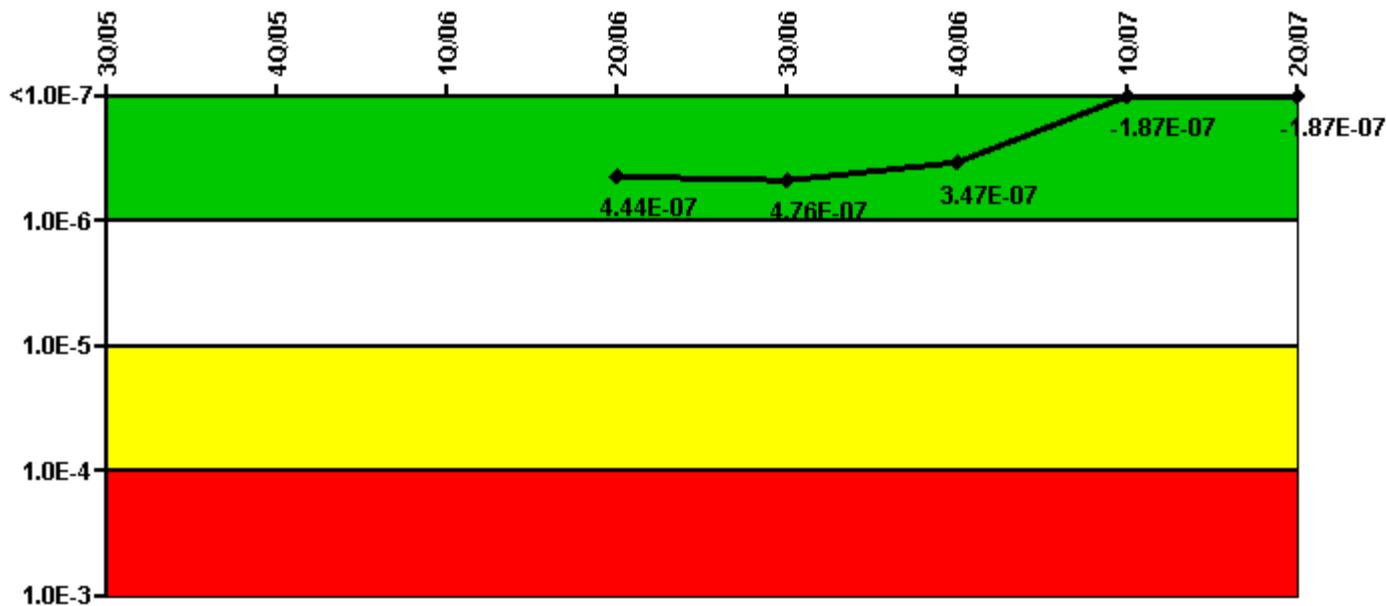
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				-1.10E-07	-1.10E-07	-1.10E-07	6.20E-08	6.50E-08
URI ( $\Delta$ CDF)				-1.30E-07	-1.40E-07	-1.60E-07	1.60E-07	1.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.40E-07	-2.50E-07	-2.70E-07	2.22E-07	2.15E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



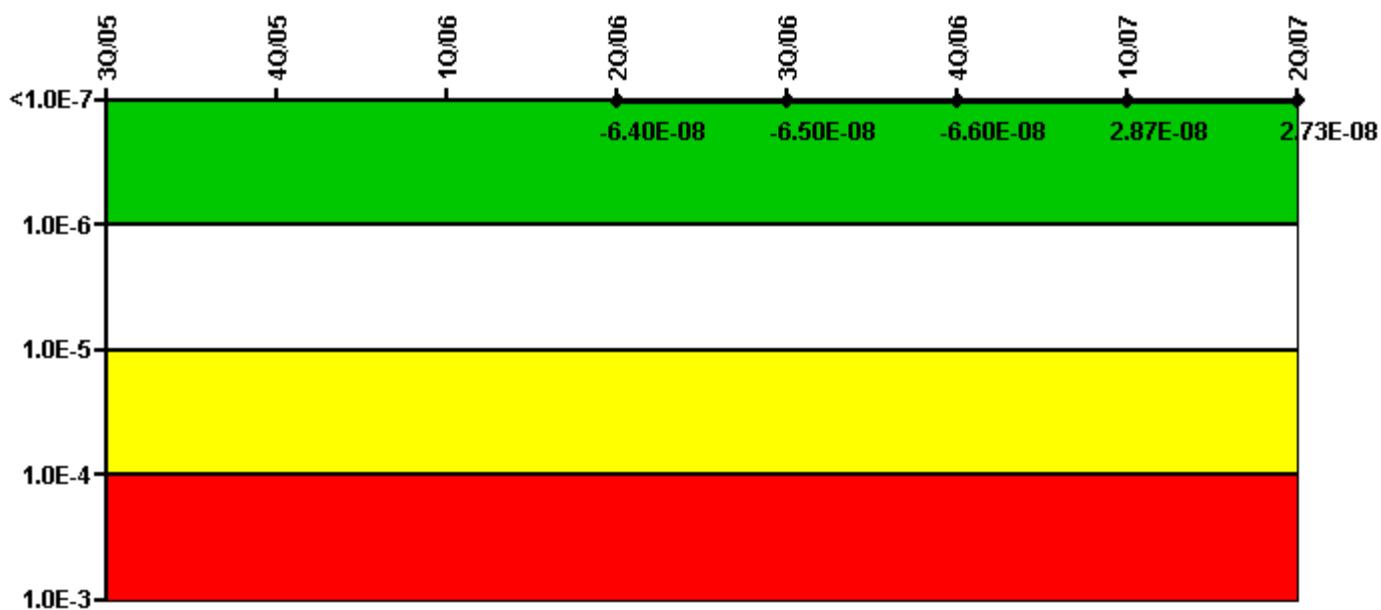
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				6.40E-08	7.60E-08	-5.30E-08	-5.70E-08	-5.70E-08
URI ( $\Delta$ CDF)				3.80E-07	4.00E-07	4.00E-07	-1.30E-07	-1.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				4.44E-07	4.76E-07	3.47E-07	-1.87E-07	-1.87E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



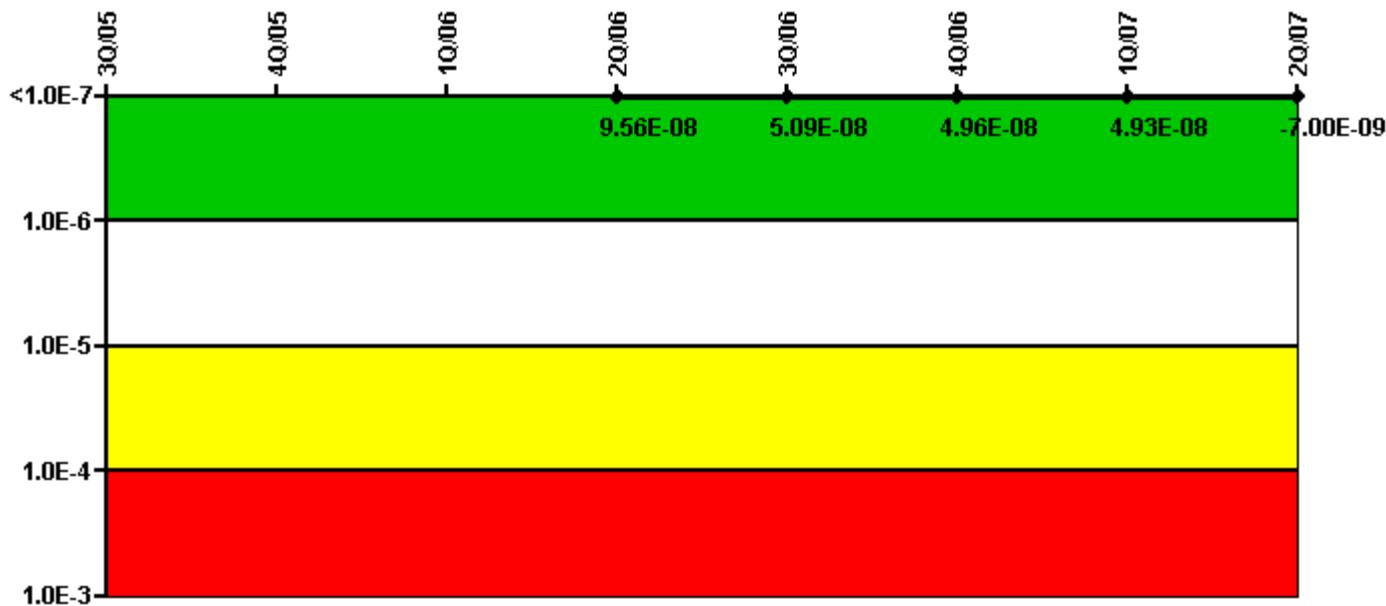
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				$-1.00E-08$	$-1.00E-08$	$-1.00E-08$	$-8.30E-09$	$-7.70E-09$
URI ( $\Delta$ CDF)				$-5.40E-08$	$-5.50E-08$	$-5.60E-08$	$3.70E-08$	$3.50E-08$
PLE				NO	NO	NO	NO	NO
Indicator value				$-6.40E-08$	$-6.50E-08$	$-6.60E-08$	$2.87E-08$	$2.73E-08$

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



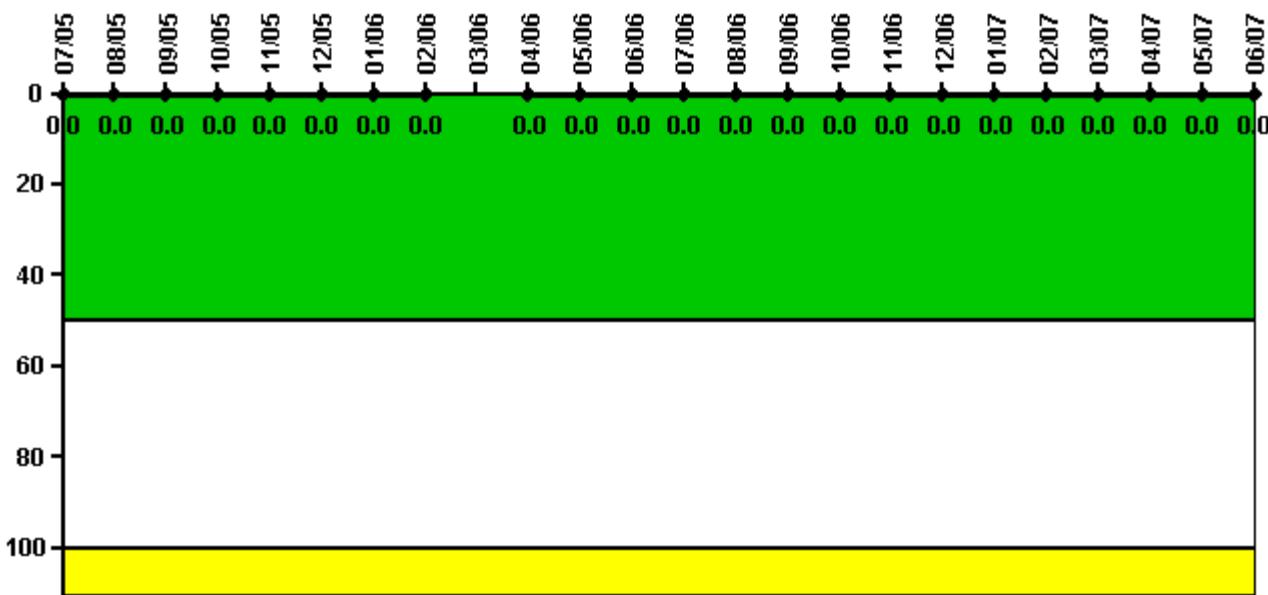
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				9.30E-08	4.80E-08	4.70E-08	4.20E-08	4.50E-08
URI ( $\Delta$ CDF)				2.60E-09	2.90E-09	2.60E-09	7.30E-09	-5.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				9.56E-08	5.09E-08	4.96E-08	4.93E-08	-7.00E-09

Licensee Comments: none

## Reactor Coolant System Activity



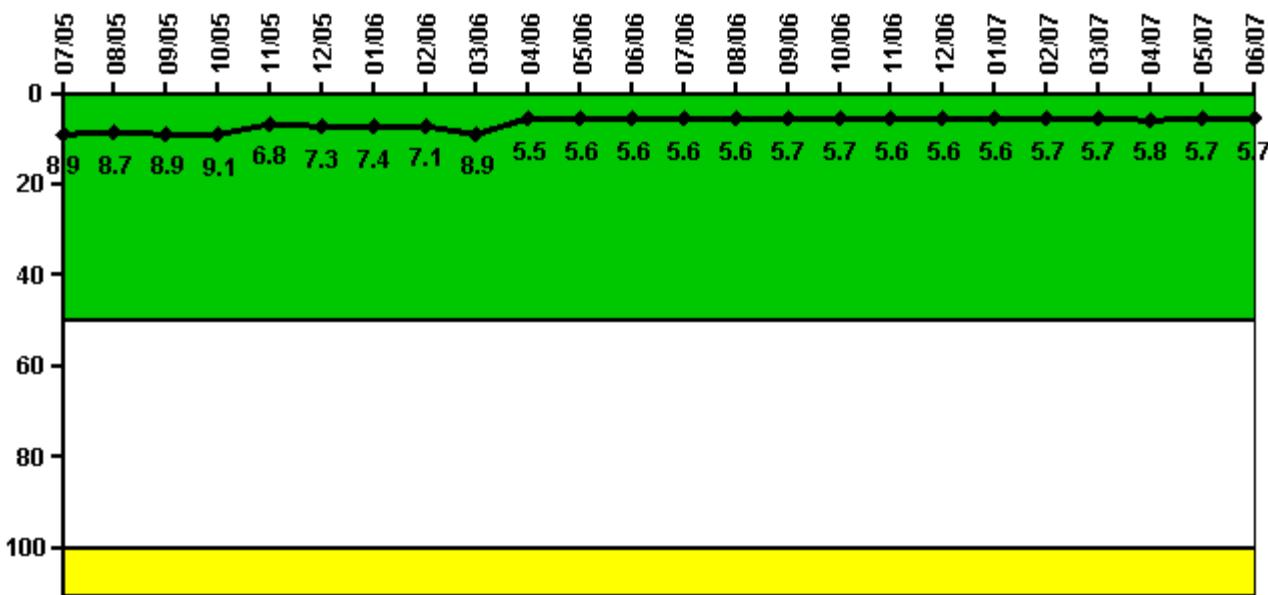
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity		7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity		0.000010	0.000010	0.000010	0.000009	0.000006	0.000005	0.000006	0.000009	N/A	0.000012	0.000014	0.000015
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	N/A	0	0	0
Reactor Coolant System Activity		7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity		0.000006	0.000005	0.000007	0.000008	0.000008	0.000007	0.000006	0.000006	0.000006	0.000006	0.000005	0.000006
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



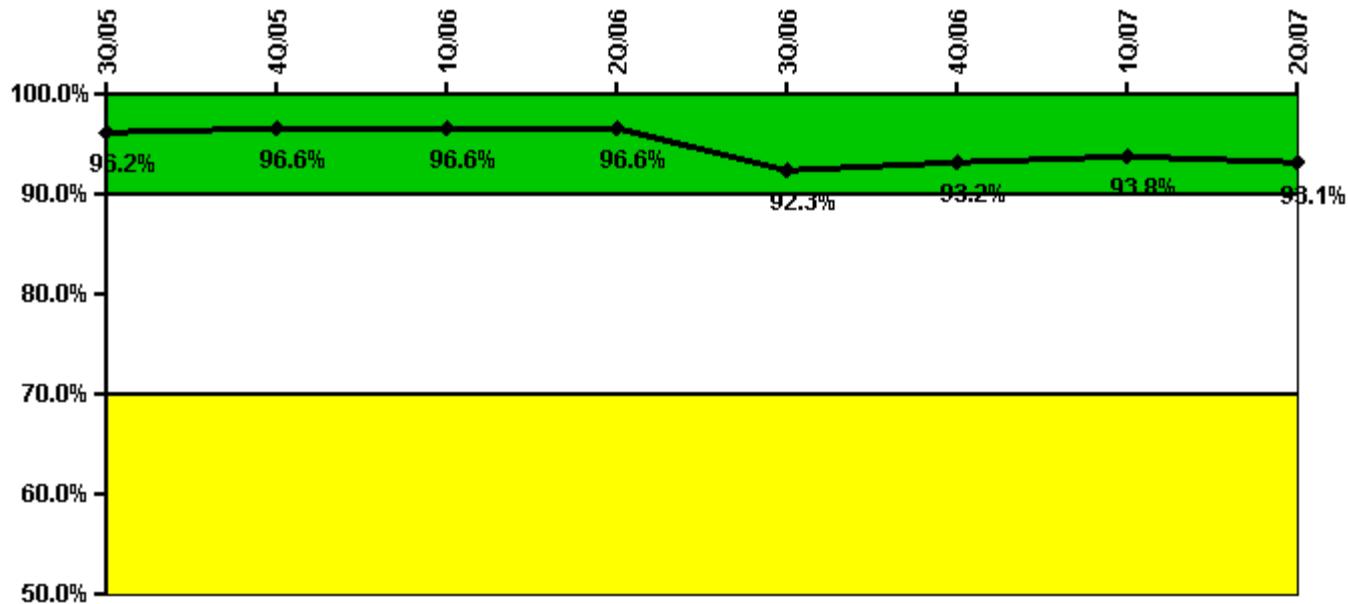
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	2.670	2.600	2.670	2.730	2.050	2.190	2.210	2.140	2.680	1.660	1.680	1.670
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
<b>Indicator value</b>	<b>8.9</b>	<b>8.7</b>	<b>8.9</b>	<b>9.1</b>	<b>6.8</b>	<b>7.3</b>	<b>7.4</b>	<b>7.1</b>	<b>8.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>
Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	1.680	1.680	1.700	1.700	1.690	1.680	1.690	1.700	1.710	1.740	1.710	1.710
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

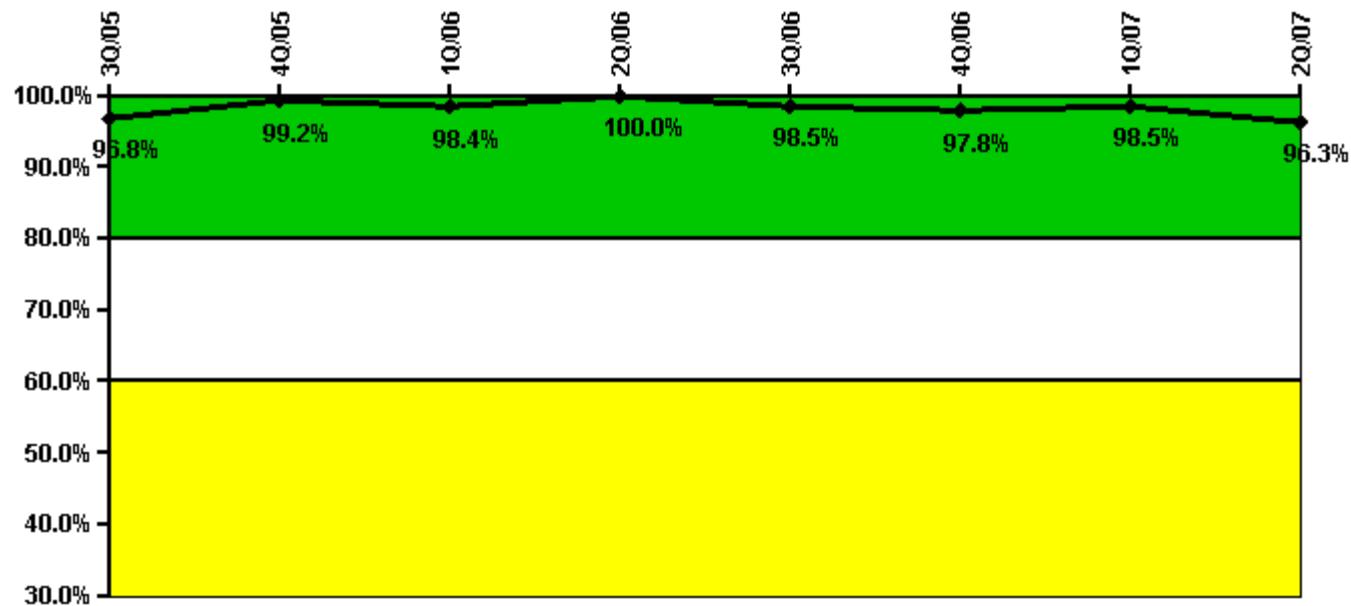
### Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	37.0	19.0	4.0	17.0	34.0	24.0	2.0	11.0
Total opportunities	38.0	20.0	4.0	18.0	41.0	24.0	2.0	12.0
Indicator value	96.2%	96.6%	96.6%	96.6%	92.3%	93.2%	93.8%	93.1%

Licensee Comments: none

---

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	120.0	128.0	124.0	129.0	133.0	134.0	132.0	130.0
Total Key personnel	124.0	129.0	126.0	129.0	135.0	137.0	134.0	135.0
Indicator value	96.8%	99.2%	98.4%	100.0%	98.5%	97.8%	98.5%	96.3%

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

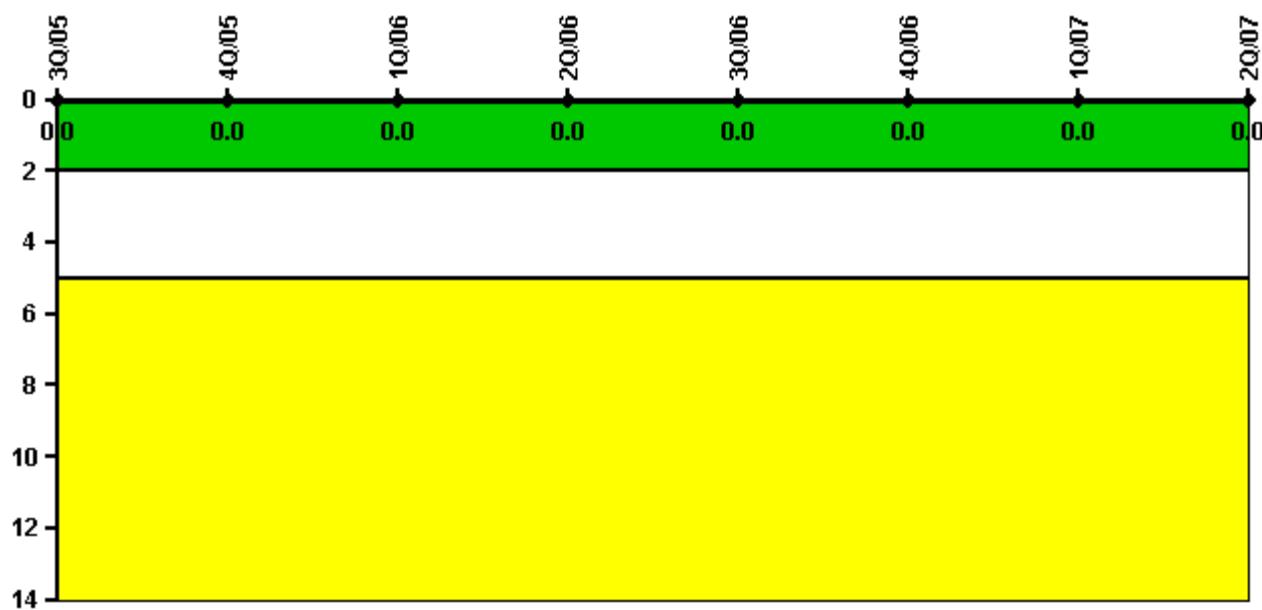
<b>Alert &amp; Notification System</b>	<b>3Q/05</b>	<b>4Q/05</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

2Q/07: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



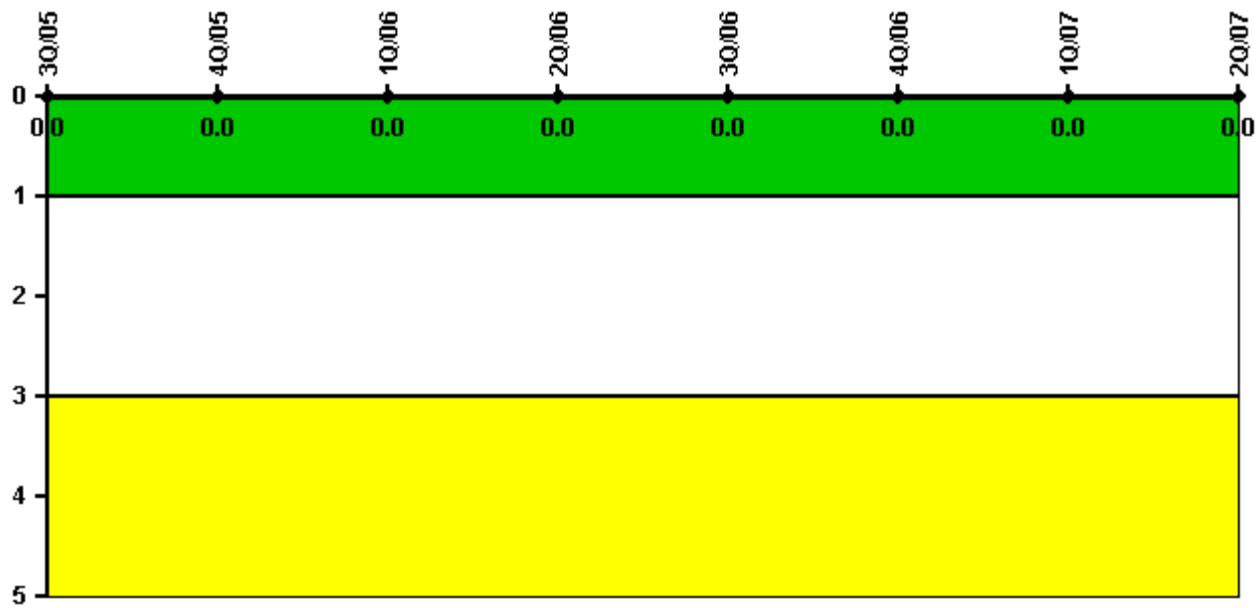
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/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.

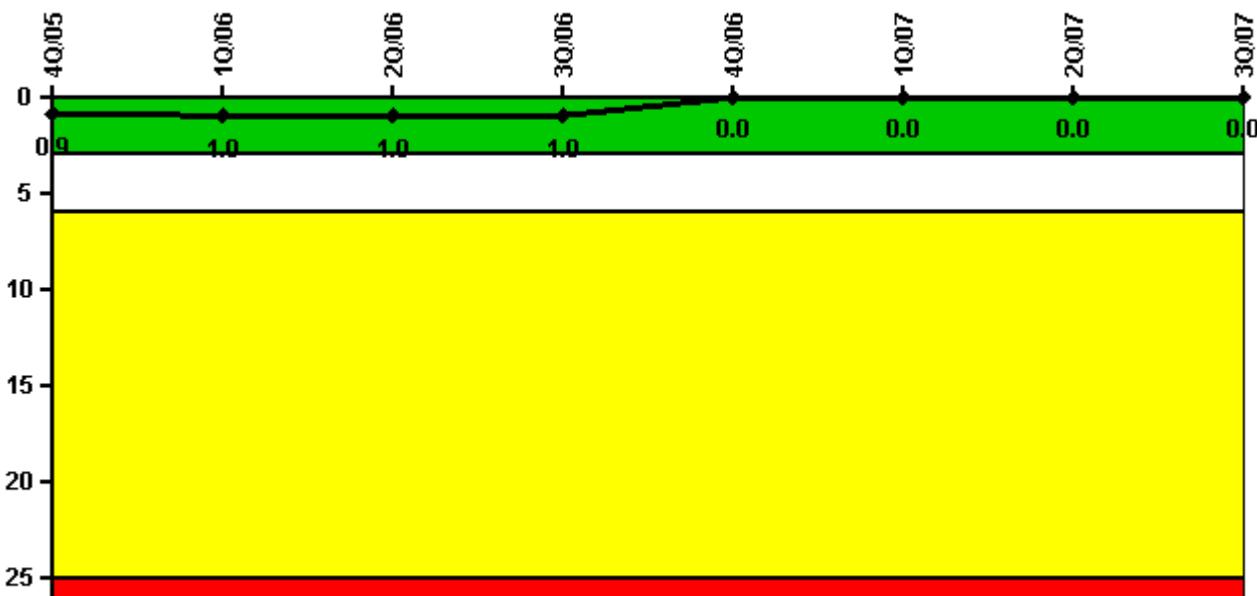
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# Hatch 1

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



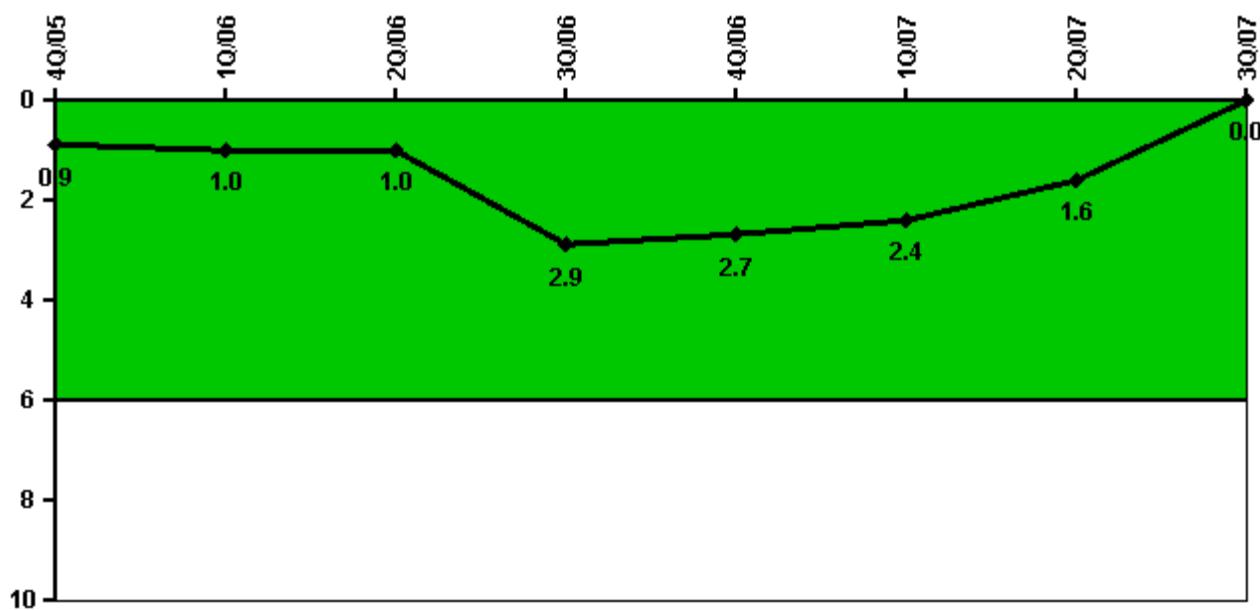
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0	0	0
Critical hours	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0
Indicator value	0.9	1.0	1.0	1.0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



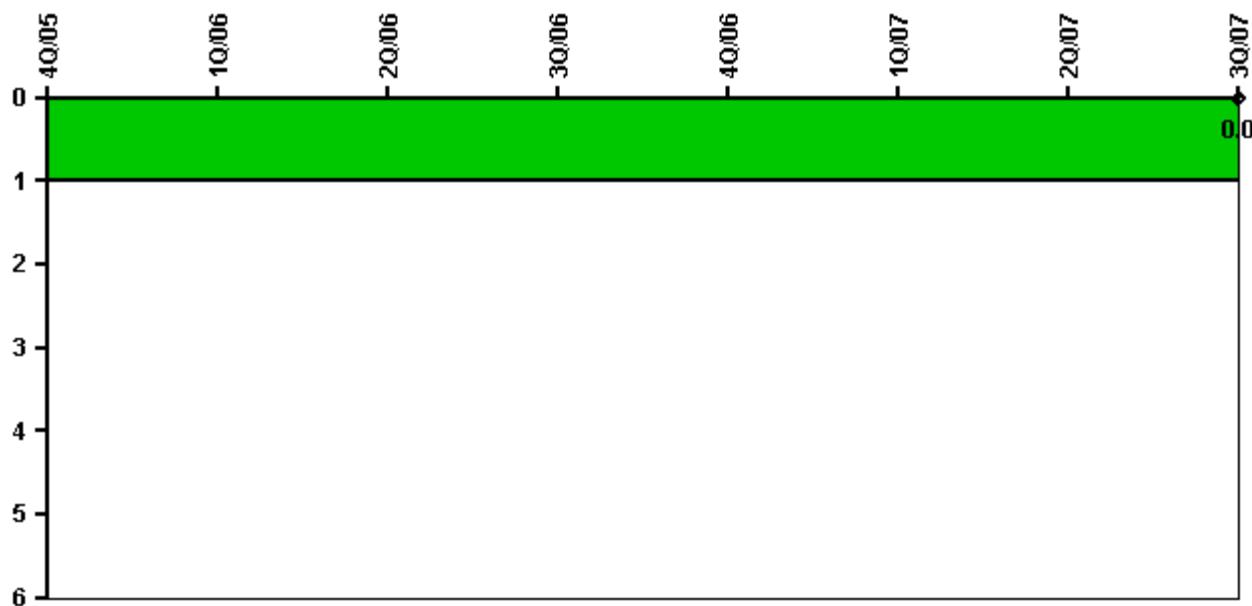
Thresholds: White > 6.0

### 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	0	0	1.0	2.0	0	0	0	0
Critical hours	1846.2	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0
Indicator value	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0</b>

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

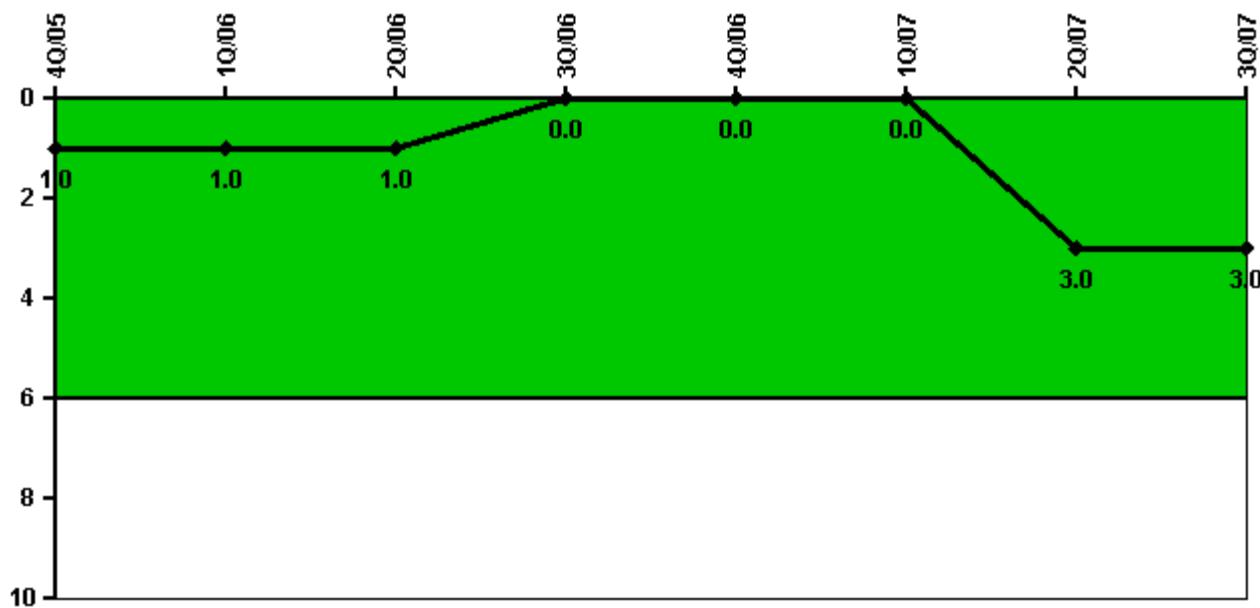
### Notes

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								<b>0.0</b>

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

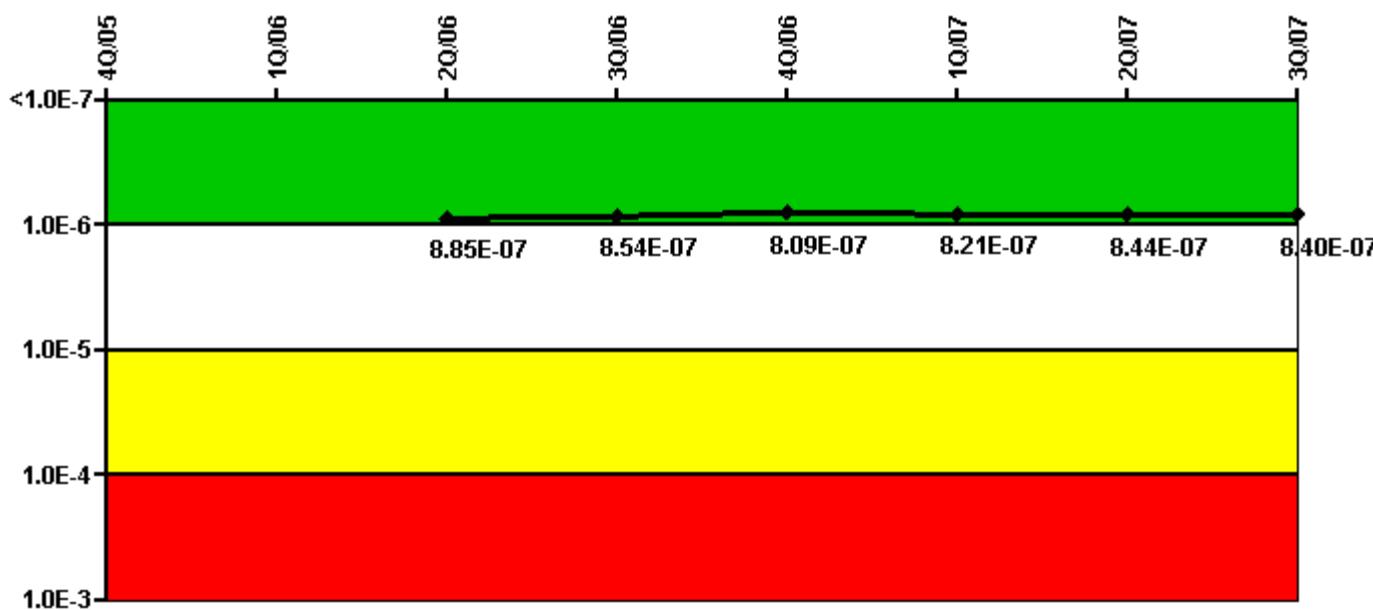
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



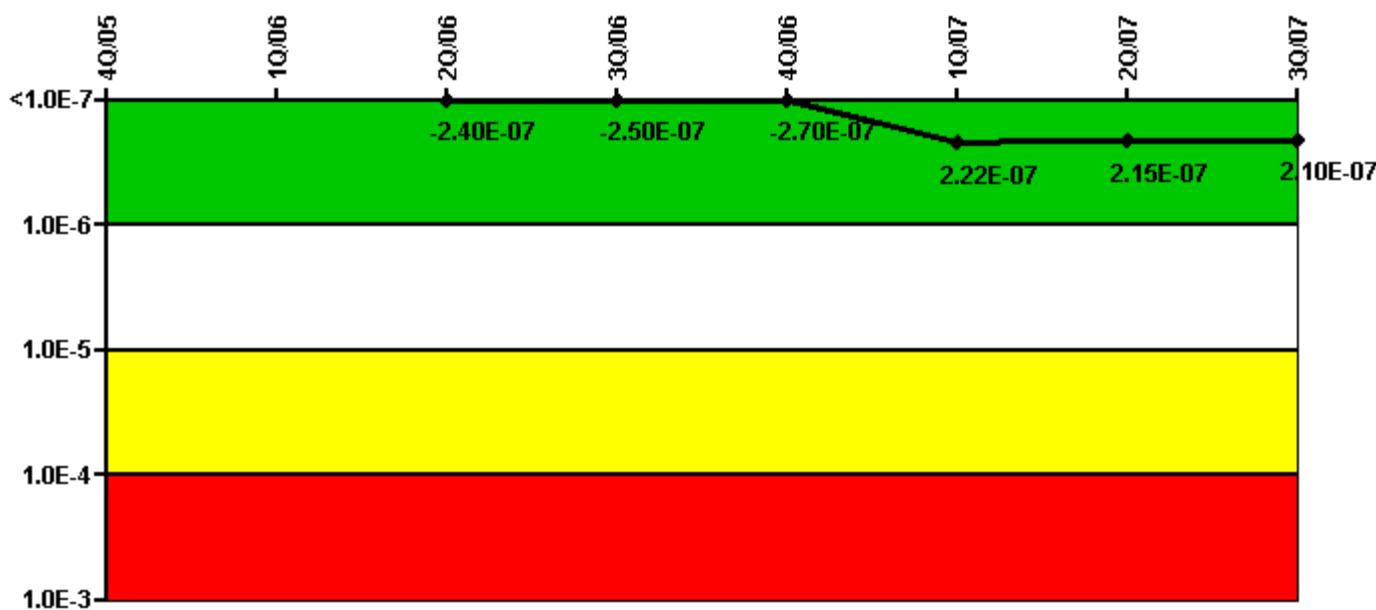
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)				4.50E-08	5.40E-08	1.90E-08	1.10E-08	1.40E-08
URI (ΔCDF)				8.40E-07	8.00E-07	7.90E-07	8.10E-07	8.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				8.85E-07	8.54E-07	8.09E-07	8.21E-07	8.44E-07
								8.40E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



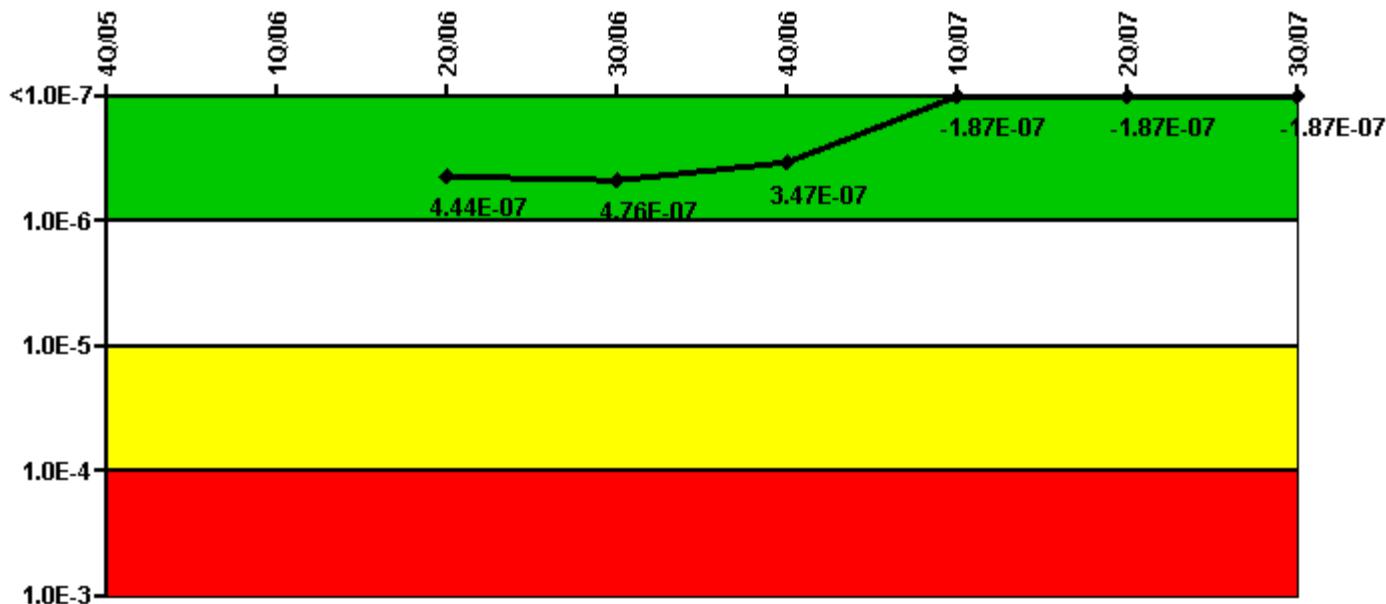
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-1.10E-07	-1.10E-07	-1.10E-07	6.20E-08	6.50E-08	7.00E-08
URI (ΔCDF)			-1.30E-07	-1.40E-07	-1.60E-07	1.60E-07	1.50E-07	1.40E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-2.40E-07	-2.50E-07	-2.70E-07	2.22E-07	2.15E-07	2.10E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



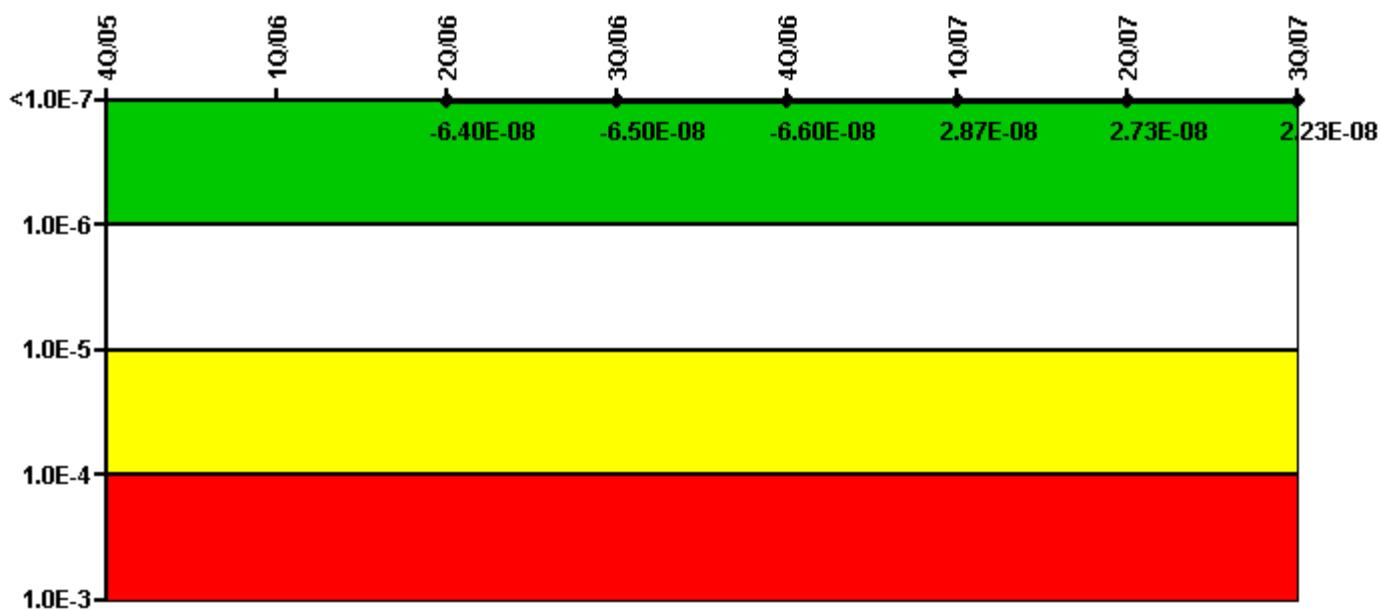
Thresholds: White  $> 1.00E-6$  Yellow  $> 1.00E-5$  Red  $> 1.00E-4$

### 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 ( $\Delta$ CDF)			6.40E-08	7.60E-08	-5.30E-08	-5.70E-08	-5.70E-08	-5.70E-08
URI ( $\Delta$ CDF)			3.80E-07	4.00E-07	4.00E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			4.44E-07	4.76E-07	3.47E-07	-1.87E-07	-1.87E-07	-1.87E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



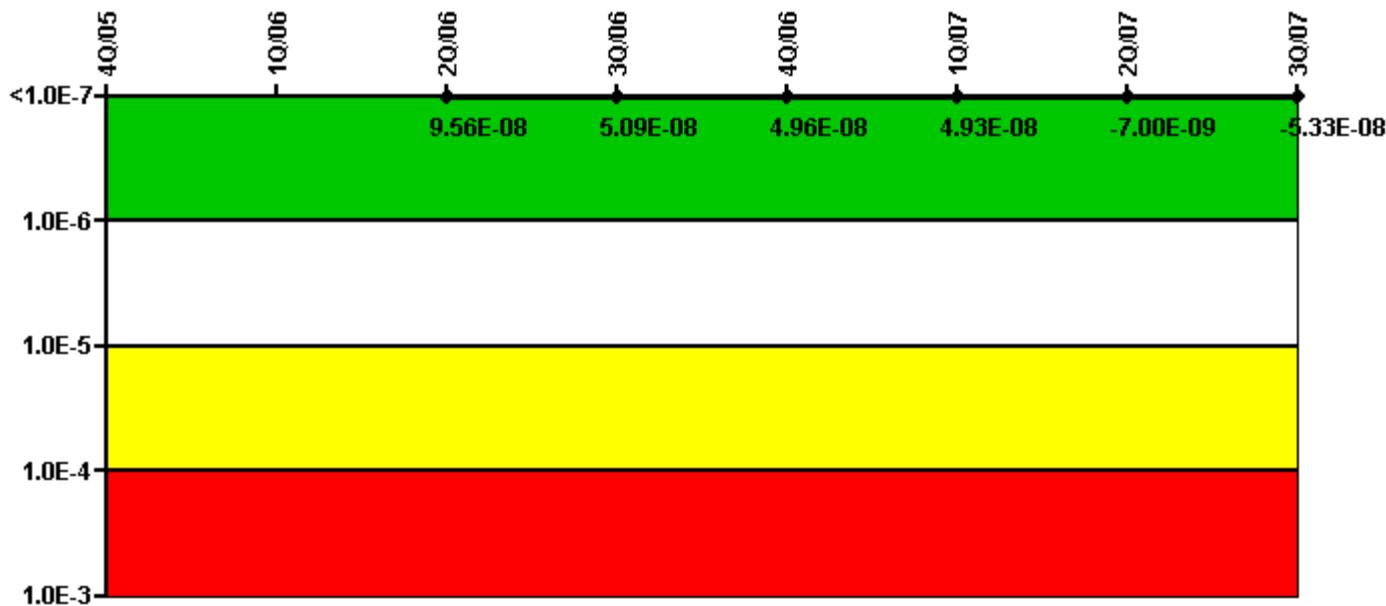
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)			-1.00E-08	-1.00E-08	-1.00E-08	-8.30E-09	-7.70E-09	-7.70E-09
URI ( $\Delta$ CDF)			-5.40E-08	-5.50E-08	-5.60E-08	3.70E-08	3.50E-08	3.00E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-6.40E-08	-6.50E-08	-6.60E-08	2.87E-08	2.73E-08	2.23E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



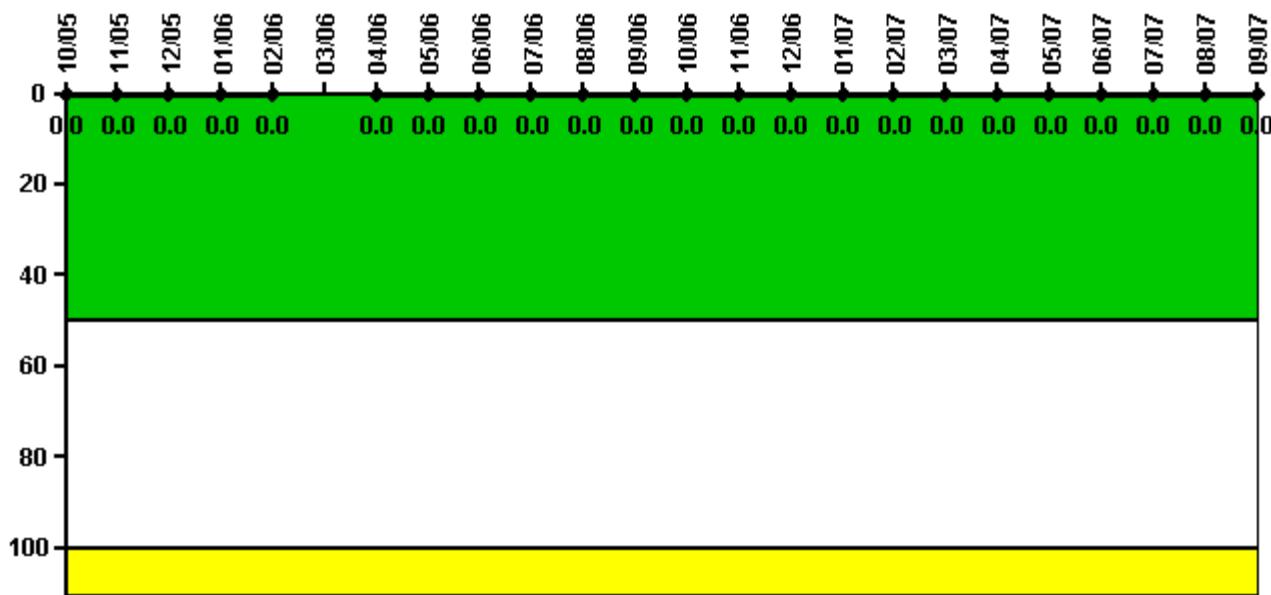
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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 (ΔCDF)			9.30E-08	4.80E-08	4.70E-08	4.20E-08	4.50E-08	-1.30E-09
URI (ΔCDF)			2.60E-09	2.90E-09	2.60E-09	7.30E-09	-5.20E-08	-5.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			9.56E-08	5.09E-08	4.96E-08	4.93E-08	-7.00E-09	-5.33E-08

Licensee Comments: none

## **Reactor Coolant System Activity**

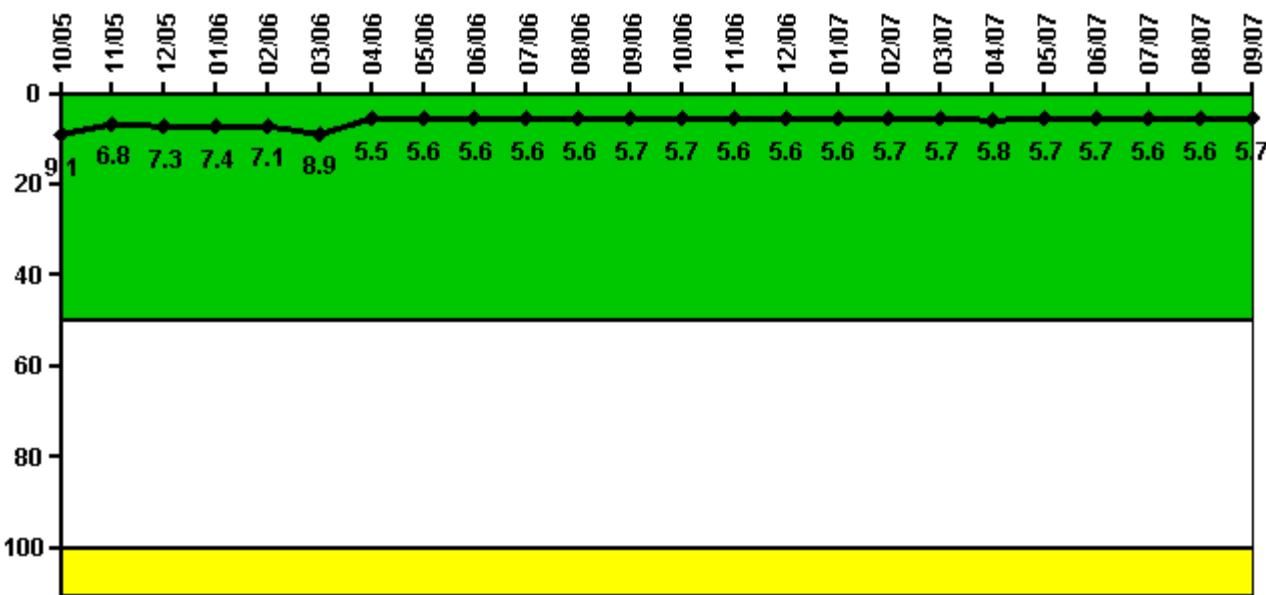


**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

Licensee Comments: none

## Reactor Coolant System Leakage



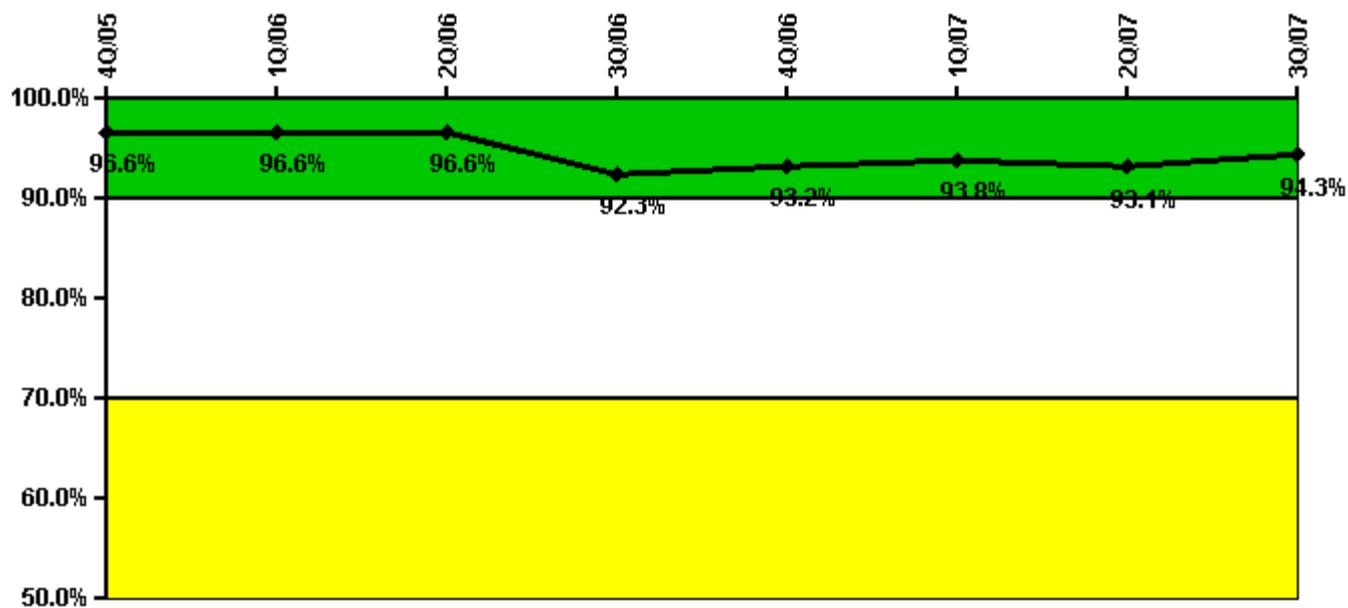
Thresholds: White > 50.0 Yellow > 100.0

### 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	2.730	2.050	2.190	2.210	2.140	2.680	1.660	1.680	1.670	1.680	1.680	1.700
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	<b>9.1</b>	<b>6.8</b>	<b>7.3</b>	<b>7.4</b>	<b>7.1</b>	<b>8.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>
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	1.700	1.690	1.680	1.690	1.700	1.710	1.740	1.710	1.710	1.690	1.690	1.700
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	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

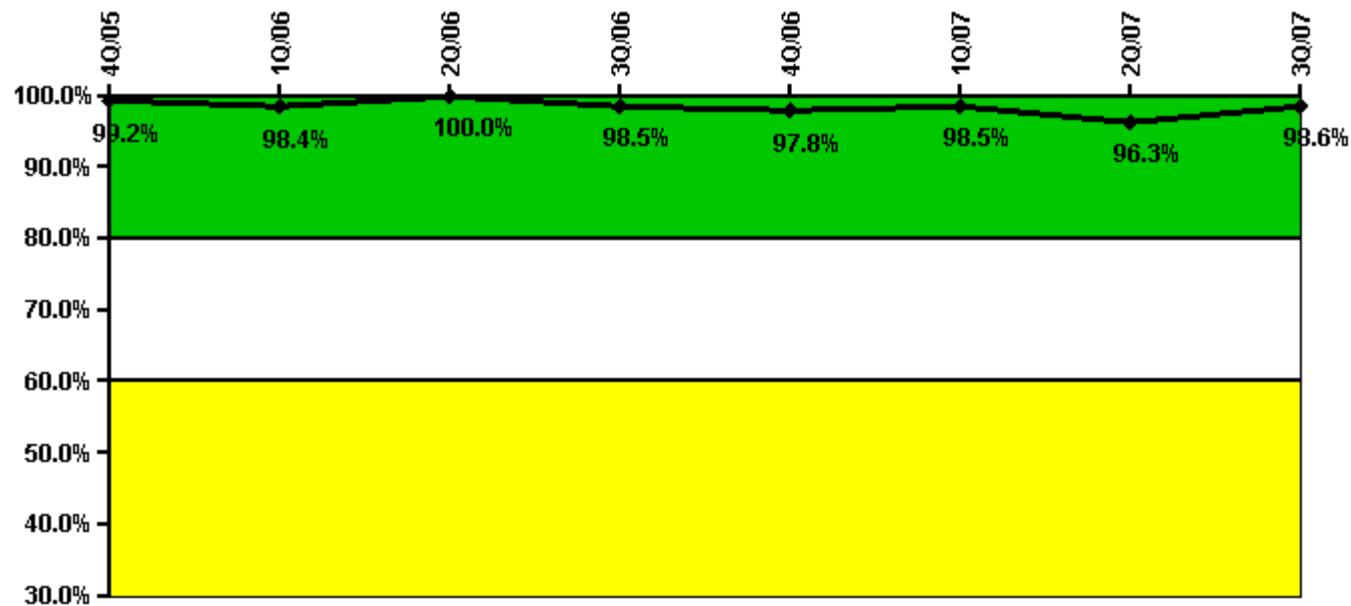
### Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	19.0	4.0	17.0	34.0	24.0	2.0	11.0	72.0
Total opportunities	20.0	4.0	18.0	41.0	24.0	2.0	12.0	73.0
Indicator value	96.6%	96.6%	96.6%	92.3%	93.2%	93.8%	93.1%	94.3%

Licensee Comments: none

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## 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	128.0	124.0	129.0	133.0	134.0	132.0	130.0	138.0
Total Key personnel	129.0	126.0	129.0	135.0	137.0	134.0	135.0	140.0
Indicator value	99.2%	98.4%	100.0%	98.5%	97.8%	98.5%	96.3%	98.6%

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/05</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

3Q/07: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



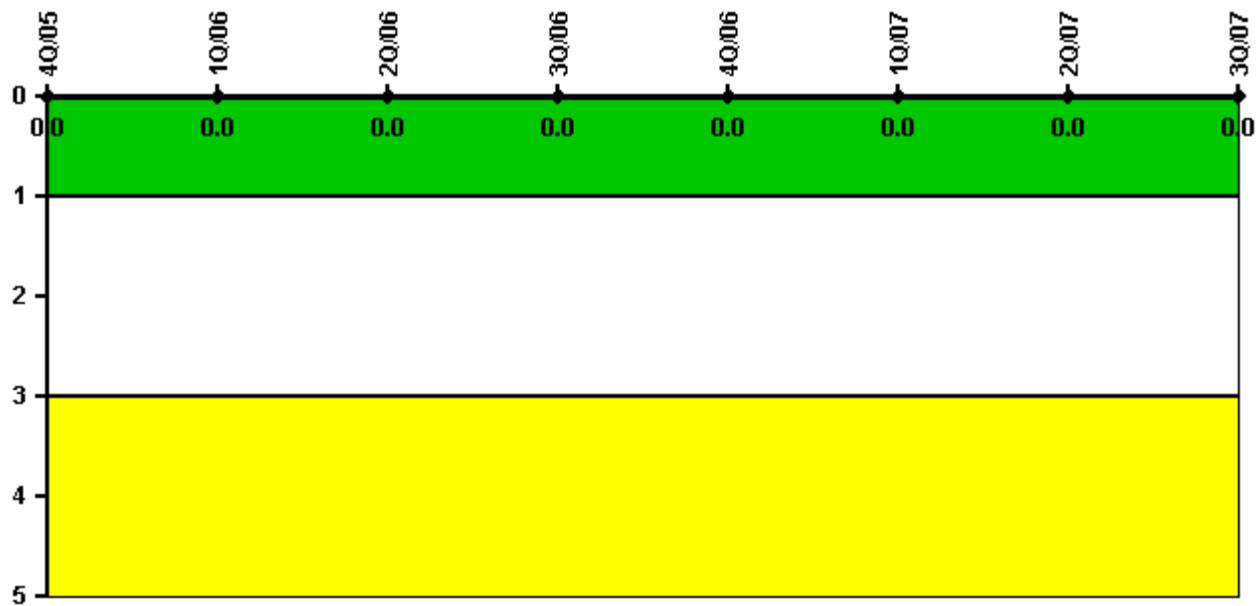
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
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

## 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.

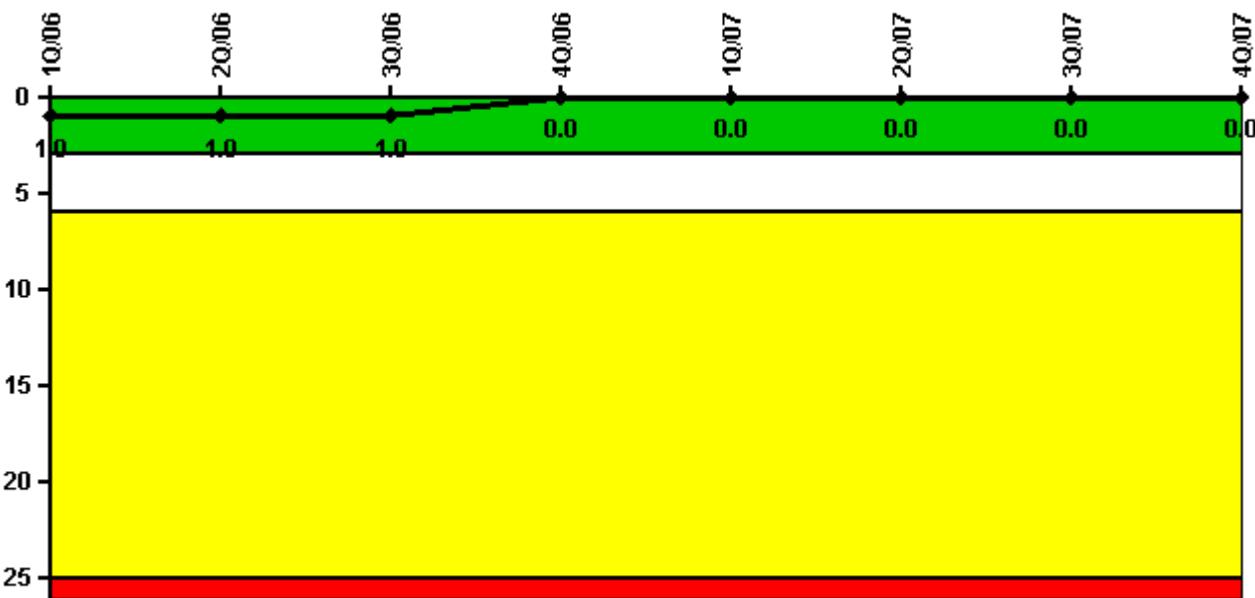
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# Hatch 1

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



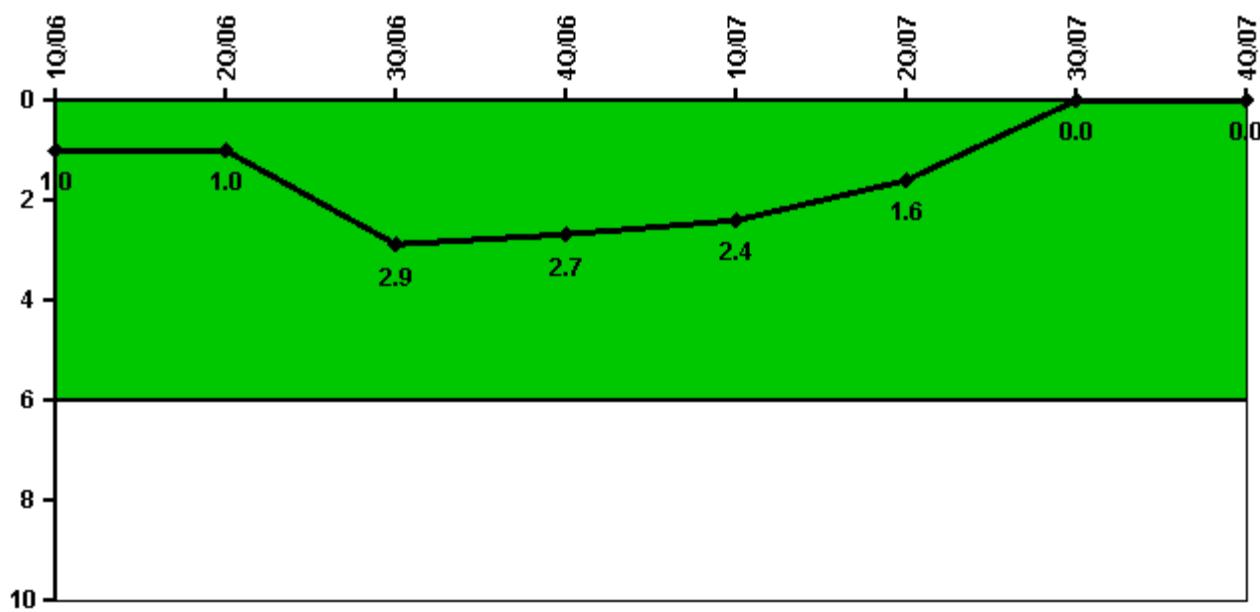
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0
Indicator value	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



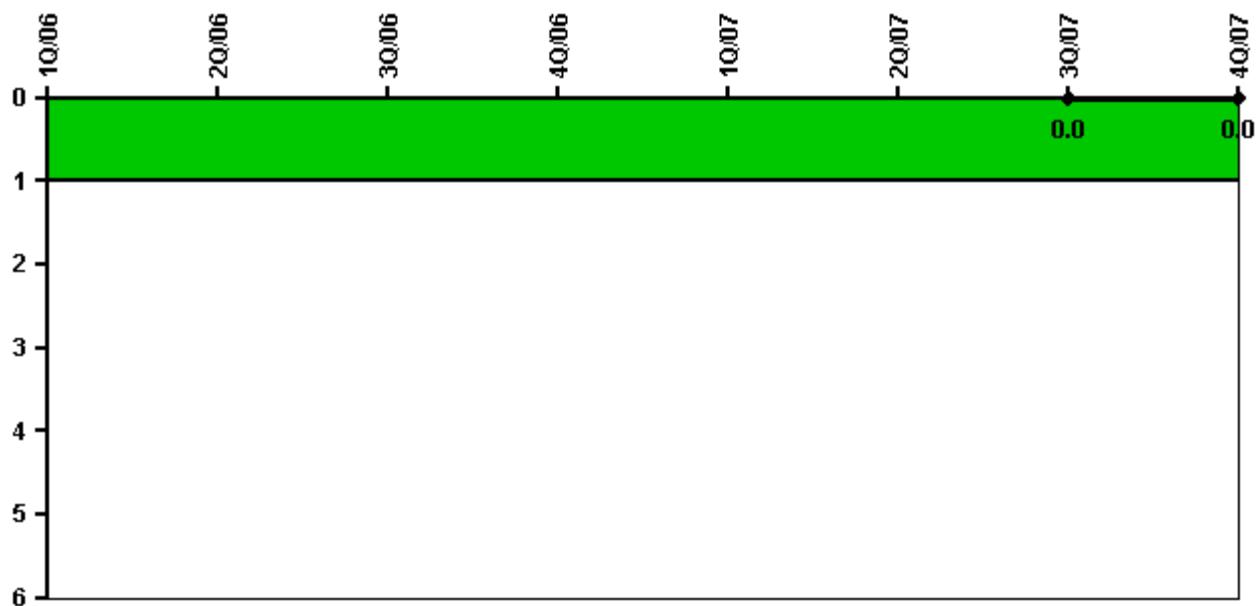
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	1.0	2.0	0	0	0	0	0
Critical hours	1104.1	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0
Indicator value	<b>1.0</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

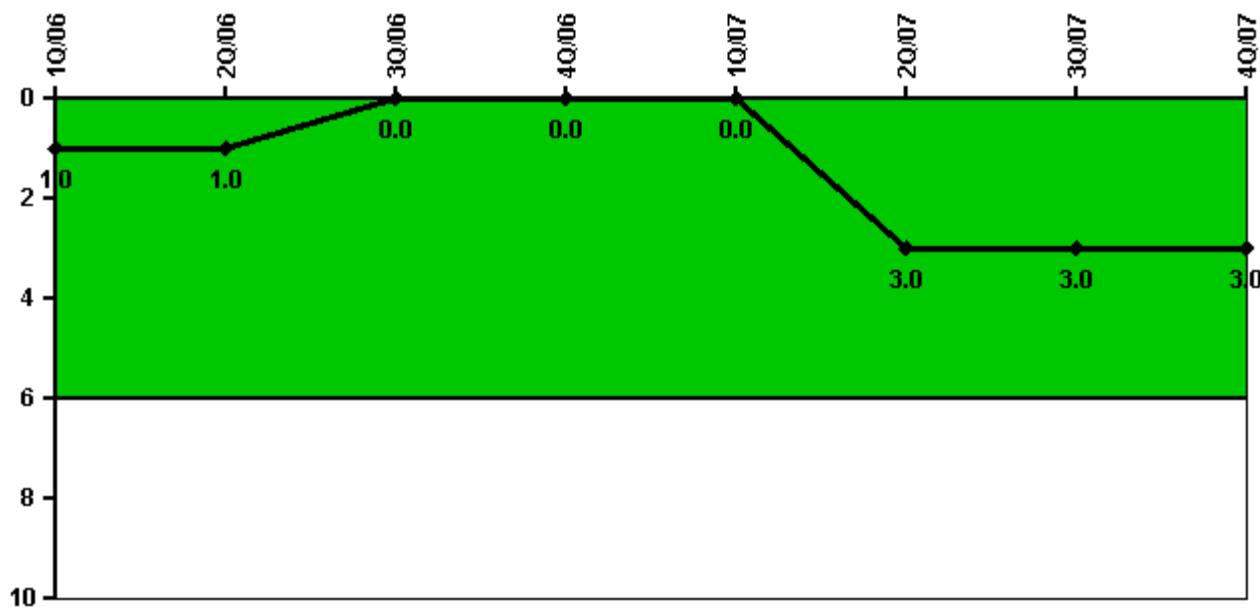
### Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	0	0	0
Indicator value							<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

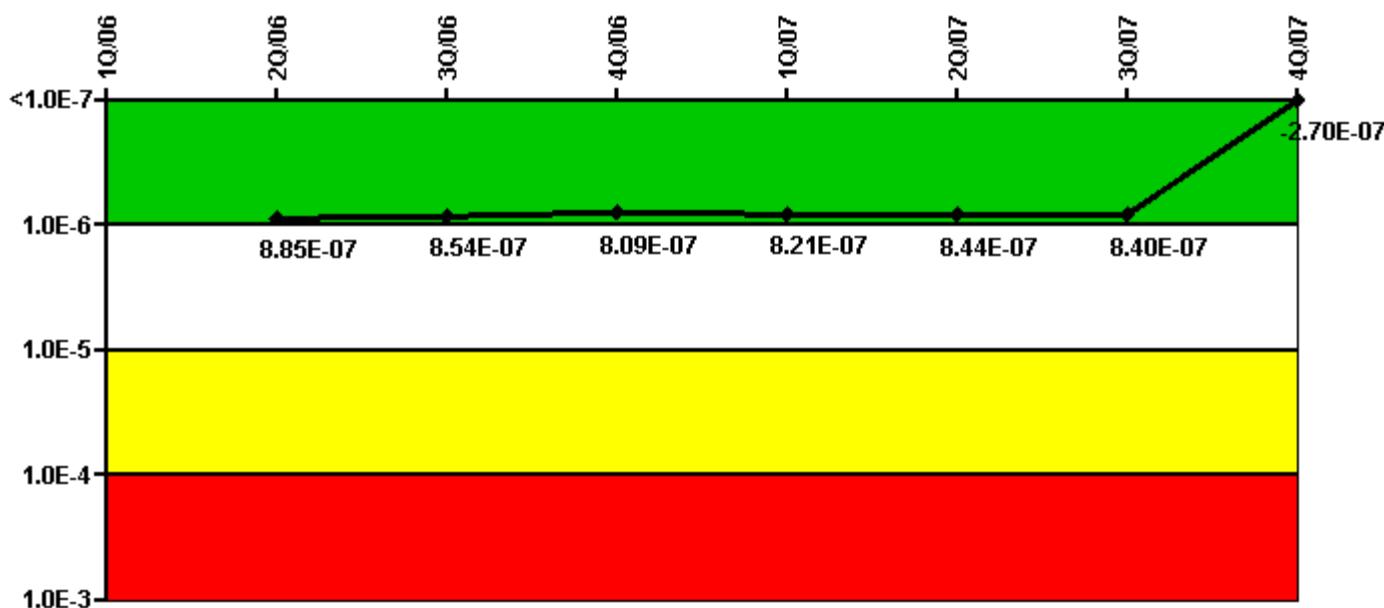
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



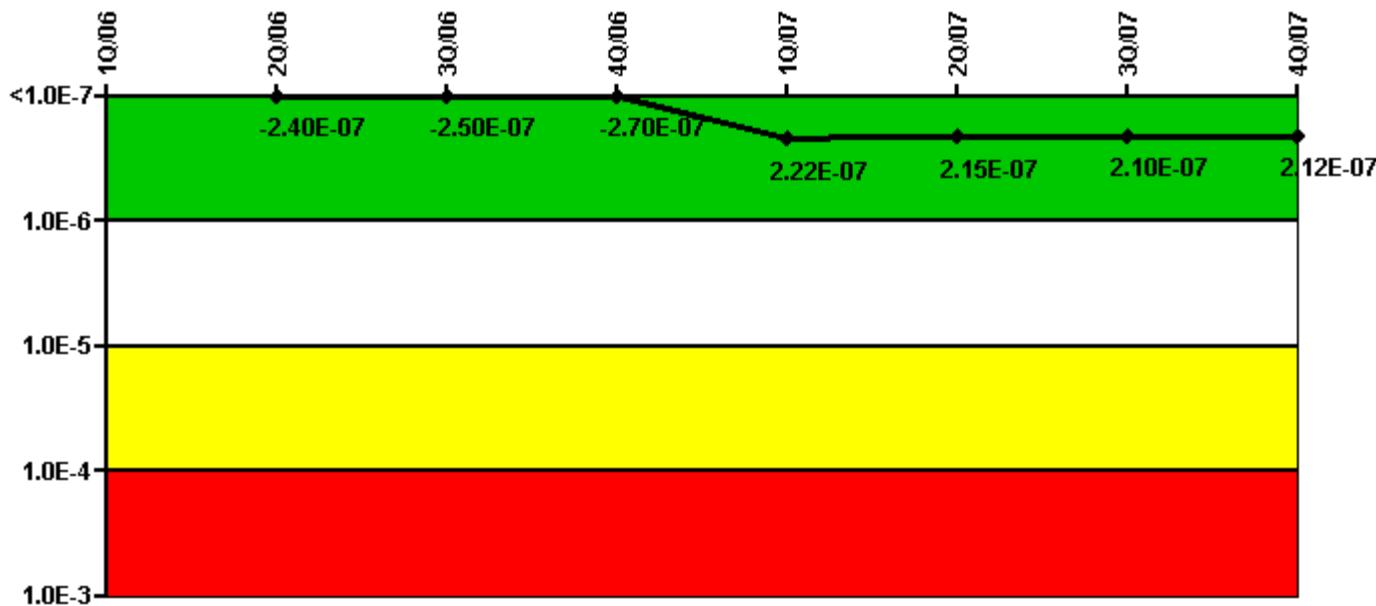
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		4.50E-08	5.40E-08	1.90E-08	1.10E-08	1.40E-08	9.70E-09	-2.00E-08
URI ( $\Delta$ CDF)		8.40E-07	8.00E-07	7.90E-07	8.10E-07	8.30E-07	8.30E-07	-2.50E-07
PLE		NO						
Indicator value		<b>8.85E-07</b>	<b>8.54E-07</b>	<b>8.09E-07</b>	<b>8.21E-07</b>	<b>8.44E-07</b>	<b>8.40E-07</b>	<b>-2.70E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



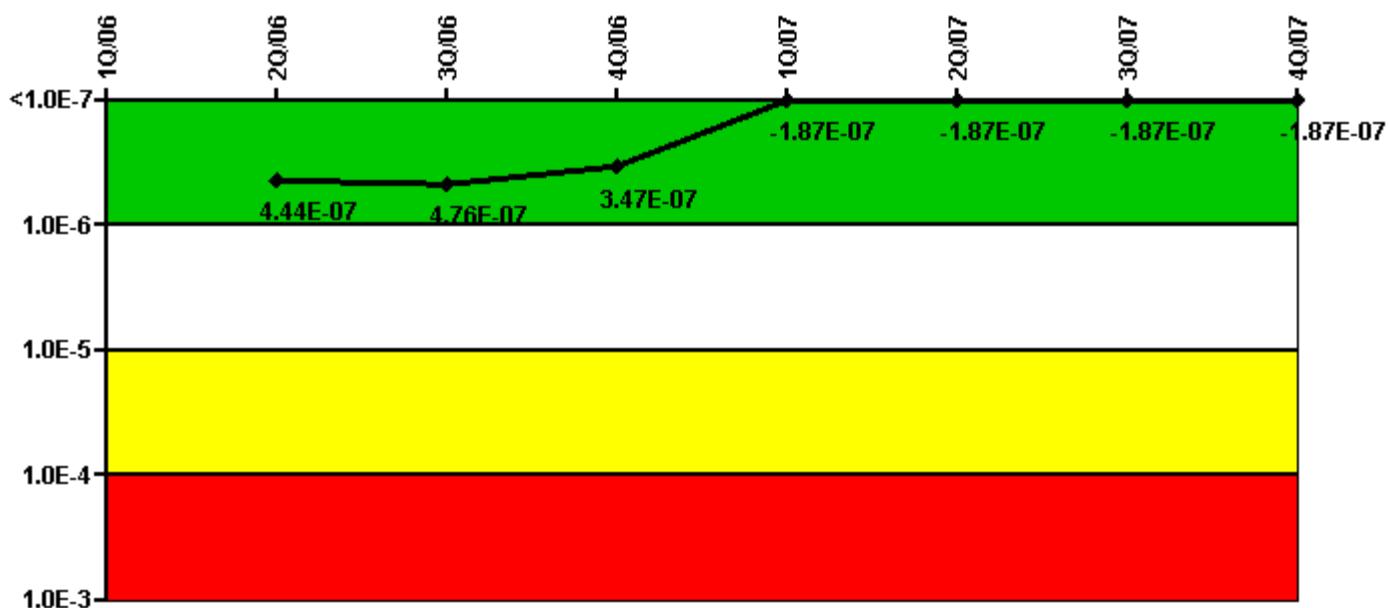
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		-1.10E-07	-1.10E-07	-1.10E-07	6.20E-08	6.50E-08	7.00E-08	7.20E-08
URI ( $\Delta$ CDF)		-1.30E-07	-1.40E-07	-1.60E-07	1.60E-07	1.50E-07	1.40E-07	1.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		<b>-2.40E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>2.22E-07</b>	<b>2.15E-07</b>	<b>2.10E-07</b>	<b>2.12E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



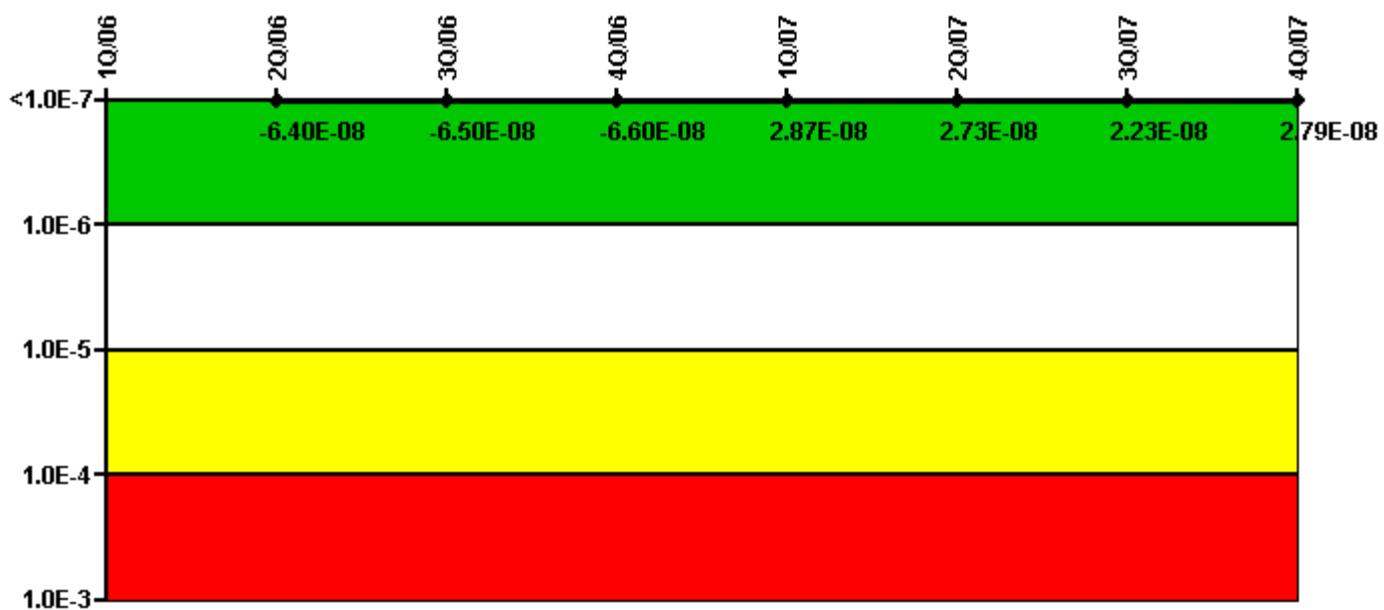
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		6.40E-08	7.60E-08	-5.30E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
URI ( $\Delta$ CDF)		3.80E-07	4.00E-07	4.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		4.44E-07	4.76E-07	3.47E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



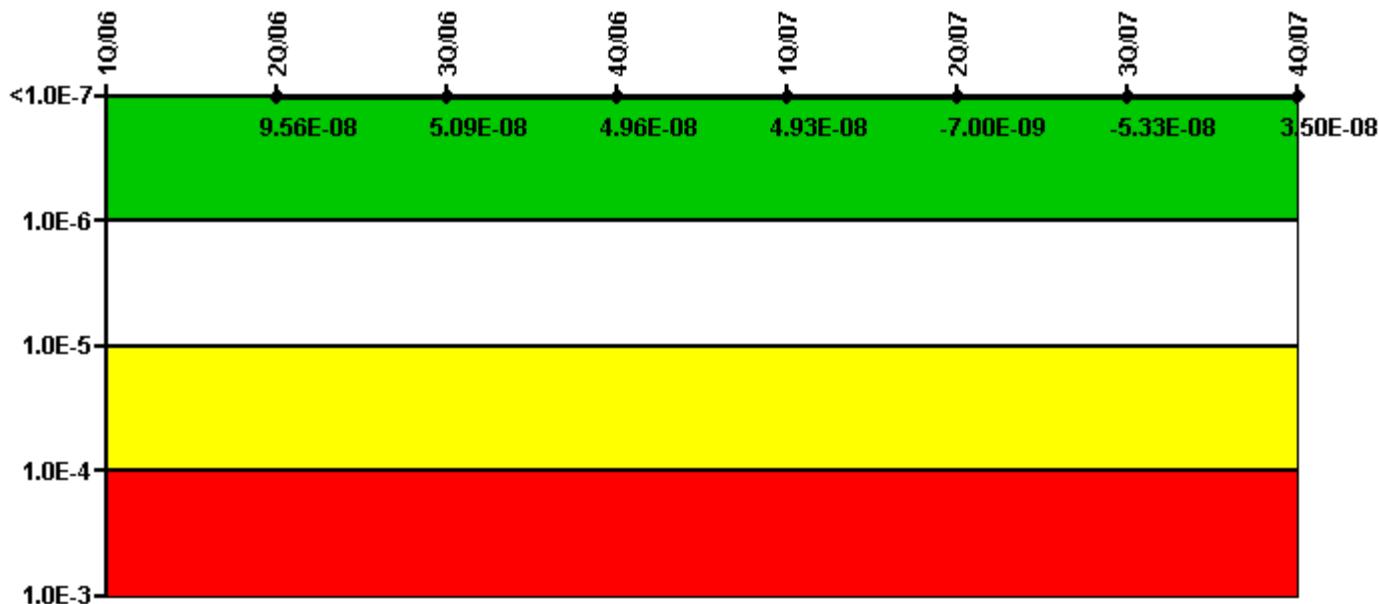
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		-1.00E-08	-1.00E-08	-1.00E-08	-8.30E-09	-7.70E-09	-7.70E-09	-1.40E-10
URI ( $\Delta$ CDF)		-5.40E-08	-5.50E-08	-5.60E-08	3.70E-08	3.50E-08	3.00E-08	2.80E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		<b>-6.40E-08</b>	<b>-6.50E-08</b>	<b>-6.60E-08</b>	<b>2.87E-08</b>	<b>2.73E-08</b>	<b>2.23E-08</b>	<b>2.79E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



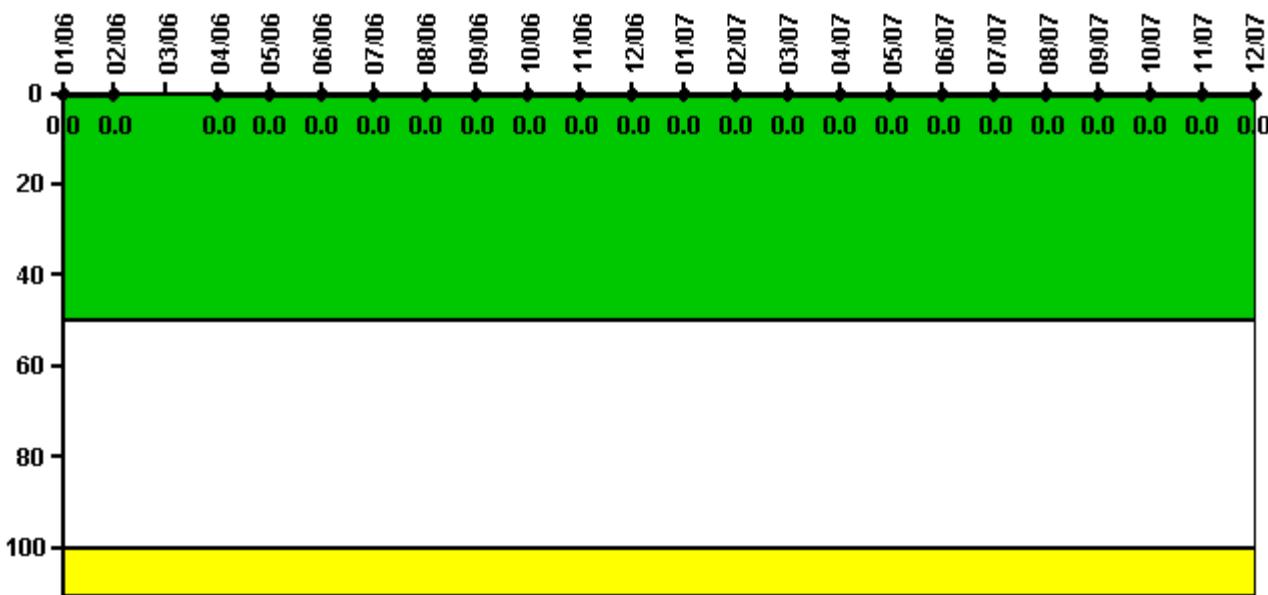
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		9.30E-08	4.80E-08	4.70E-08	4.20E-08	4.50E-08	-1.30E-09	9.10E-08
URI ( $\Delta$ CDF)		2.60E-09	2.90E-09	2.60E-09	7.30E-09	-5.20E-08	-5.20E-08	-5.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		<b>9.56E-08</b>	<b>5.09E-08</b>	<b>4.96E-08</b>	<b>4.93E-08</b>	<b>-7.00E-09</b>	<b>-5.33E-08</b>	<b>3.50E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



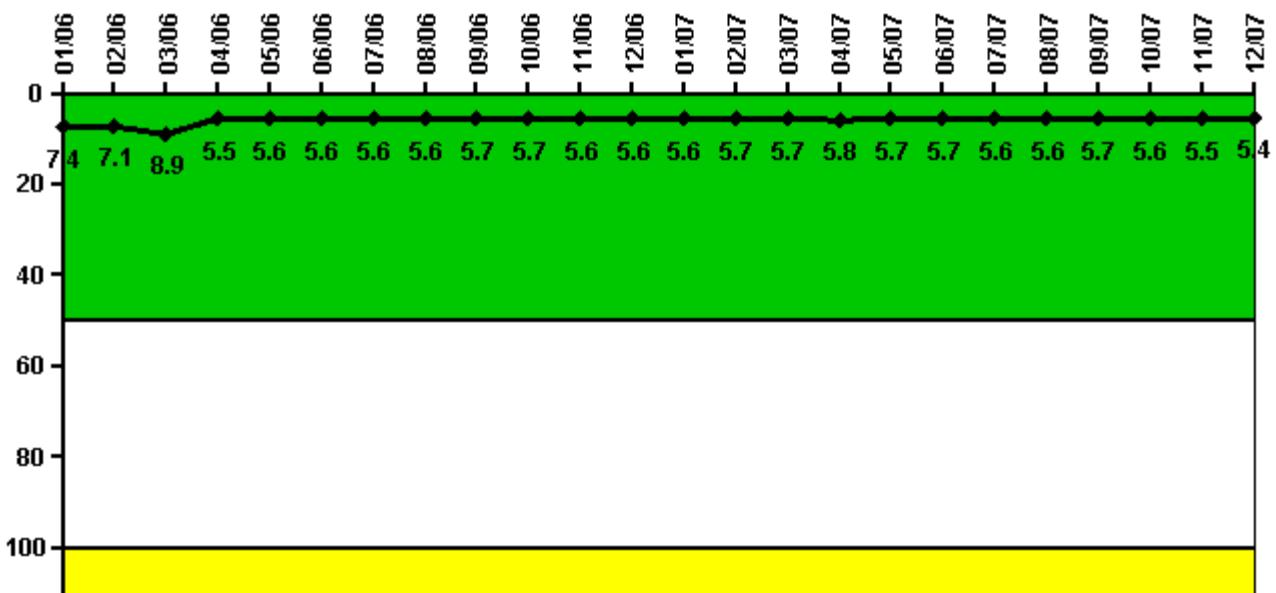
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity		1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity		0.000006	0.000009	N/A	0.000012	0.000014	0.000015	0.000006	0.000005	0.000007	0.000008	0.000008	0.000007
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
<b>Indicator value</b>		<b>0</b>	<b>0</b>	<b>N/A</b>	<b>0</b>								
Reactor Coolant System Activity		1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity		0.000006	0.000006	0.000006	0.000006	0.000005	0.000006	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005
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
<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>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

## Reactor Coolant System Leakage



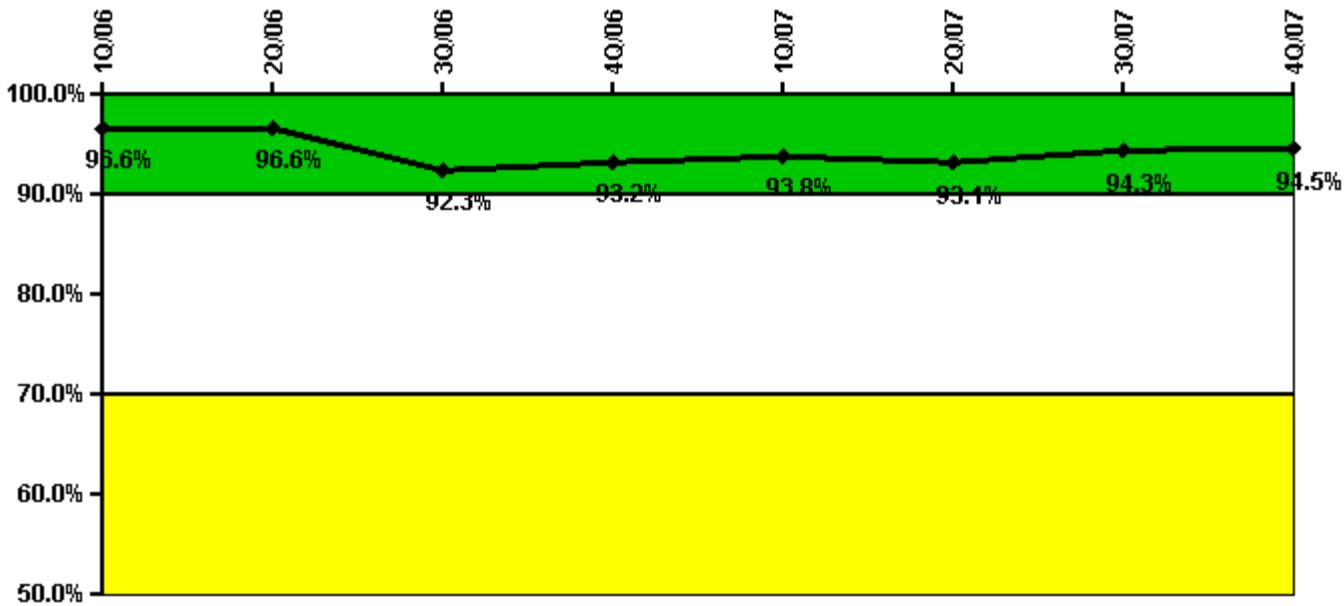
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	2.210	2.140	2.680	1.660	1.680	1.670	1.680	1.680	1.700	1.700	1.690	1.680
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
<b>Indicator value</b>	<b>7.4</b>	<b>7.1</b>	<b>8.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>
Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	1.690	1.700	1.710	1.740	1.710	1.710	1.690	1.690	1.700	1.680	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
<b>Indicator value</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

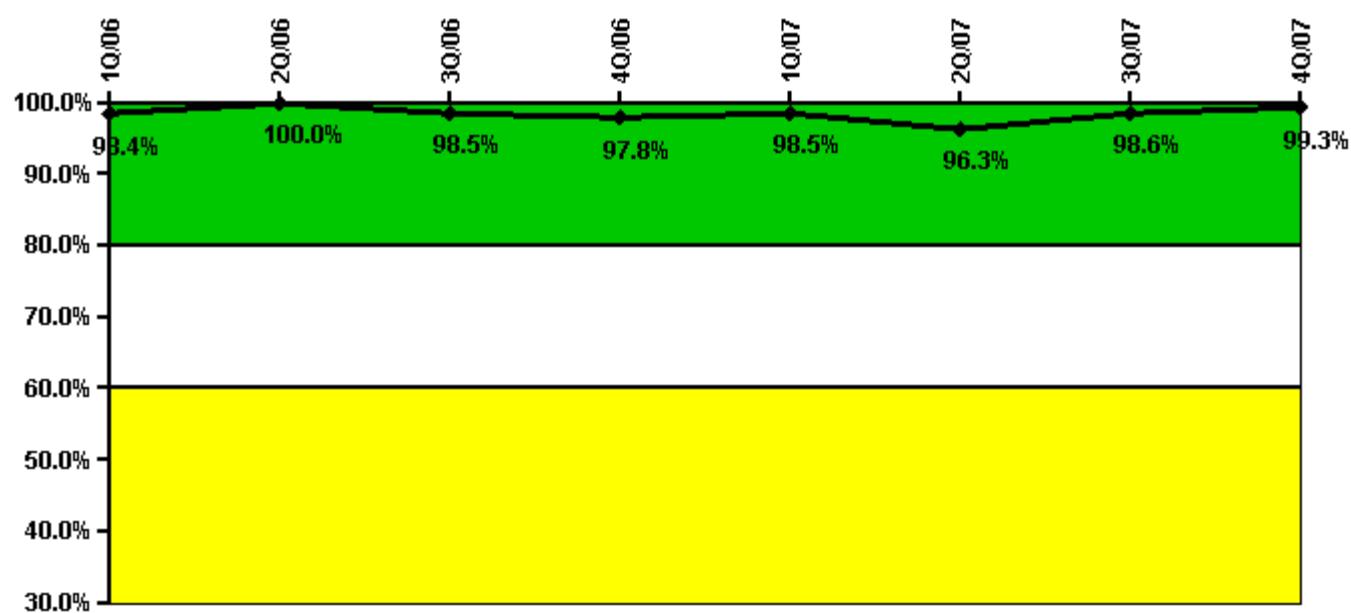
### Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	4.0	17.0	34.0	24.0	2.0	11.0	72.0	7.0
Total opportunities	4.0	18.0	41.0	24.0	2.0	12.0	73.0	7.0
<b>Indicator value</b>	<b>96.6%</b>	<b>96.6%</b>	<b>92.3%</b>	<b>93.2%</b>	<b>93.8%</b>	<b>93.1%</b>	<b>94.3%</b>	<b>94.5%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	124.0	129.0	133.0	134.0	132.0	130.0	138.0	136.0
Total Key personnel	126.0	129.0	135.0	137.0	134.0	135.0	140.0	137.0
Indicator value	98.4%	100.0%	98.5%	97.8%	98.5%	96.3%	98.6%	99.3%

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**

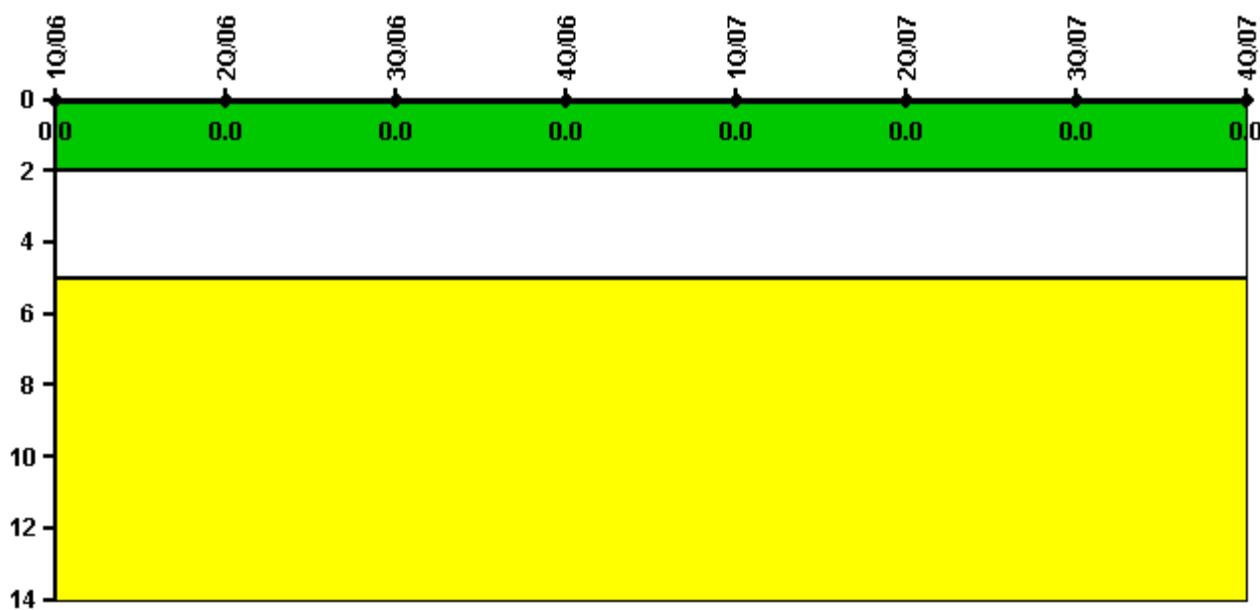
<b>Alert &amp; Notification System</b>	<b>1Q/06</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

4Q/07: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



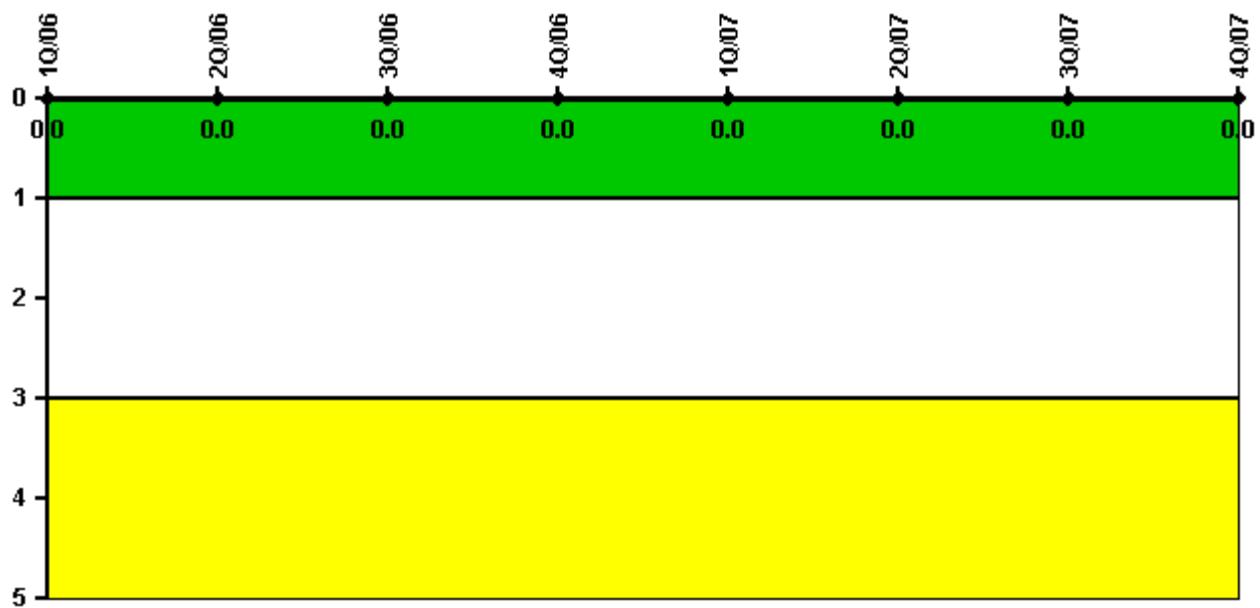
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/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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# Hatch 1

## 1Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



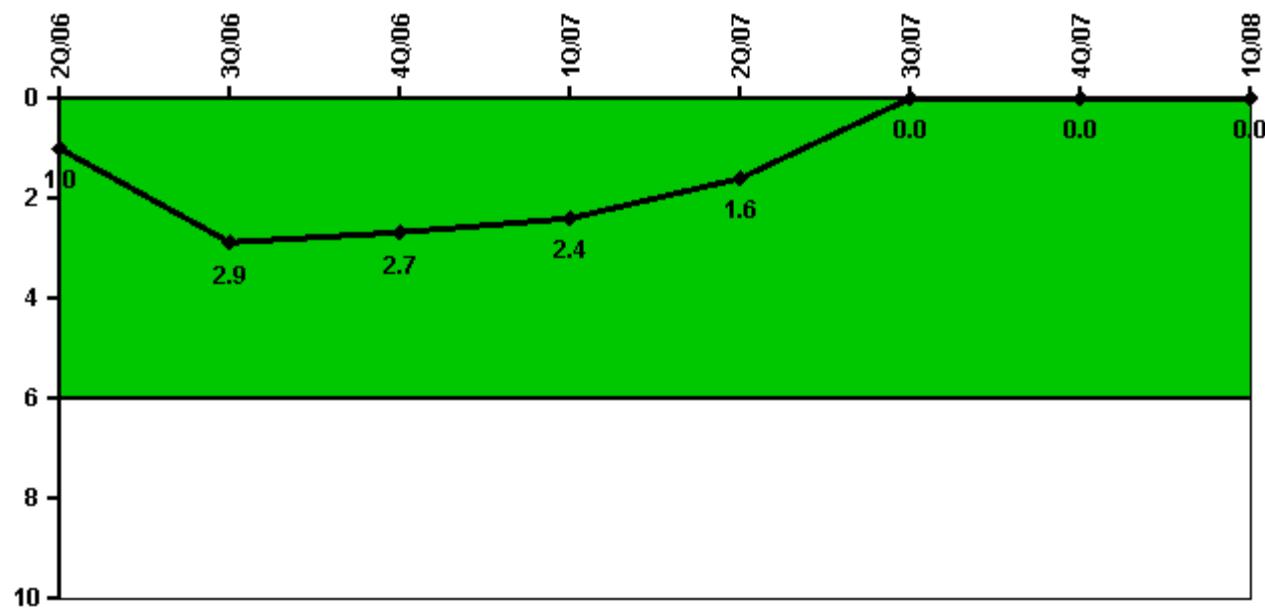
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



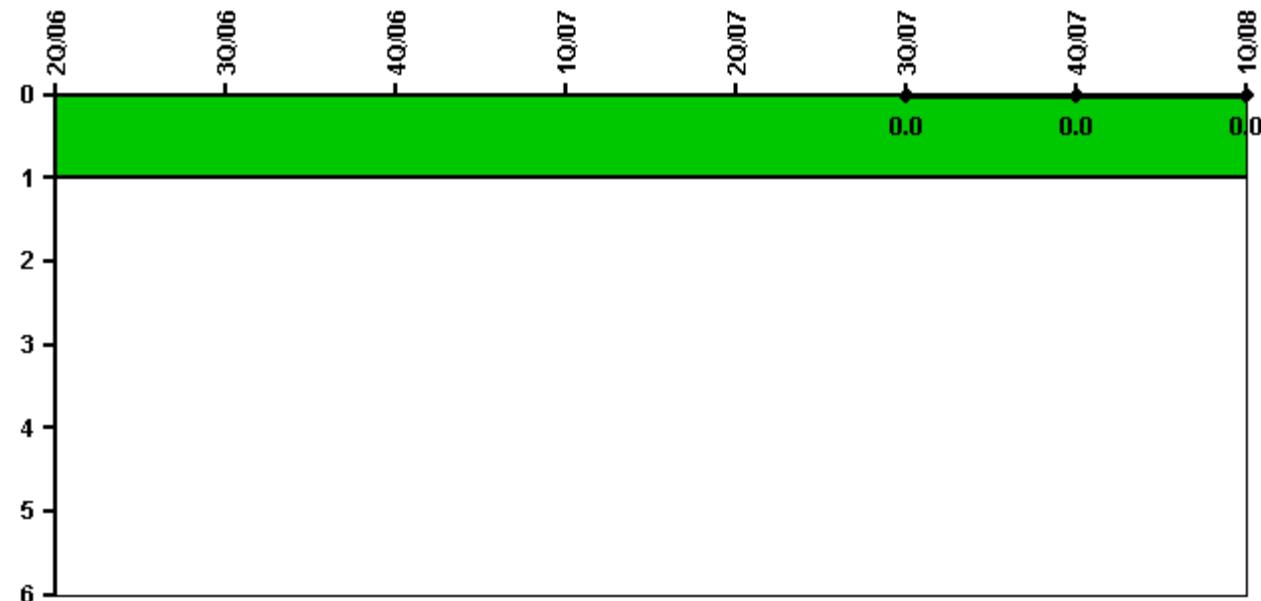
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	2.0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6
Indicator value	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

## Unplanned Scrams with Complications



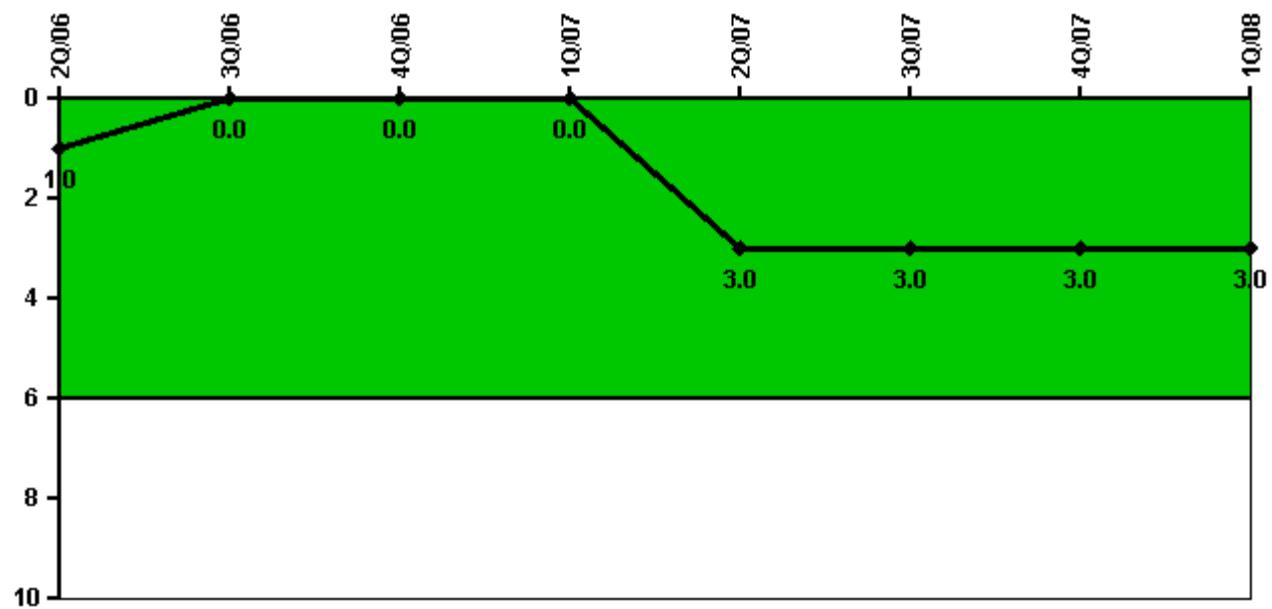
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
<b>Indicator value</b>						<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

## Safety System Functional Failures (BWR)



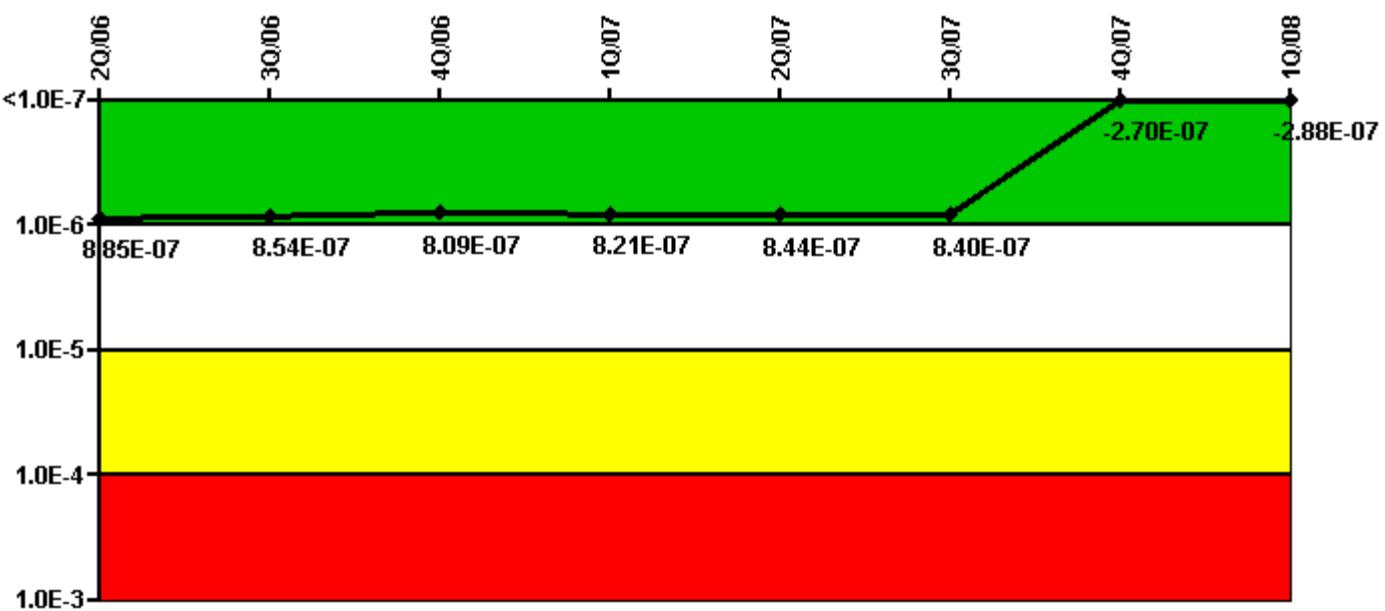
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	3	0	0	0
Indicator value	1	0	0	0	3	3	3	3

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



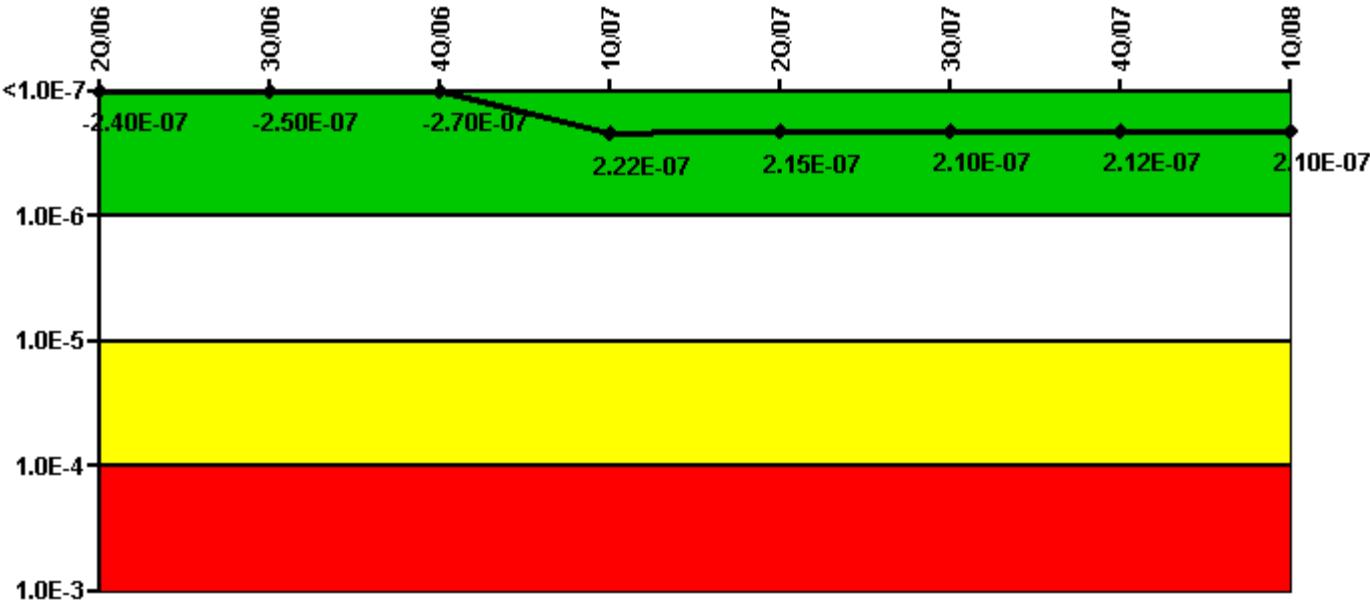
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	4.50E-08	5.40E-08	1.90E-08	1.10E-08	1.40E-08	9.70E-09	-2.00E-08	-1.80E-08
URI ( $\Delta$ CDF)	8.40E-07	8.00E-07	7.90E-07	8.10E-07	8.30E-07	8.30E-07	-2.50E-07	-2.70E-07
PLE	NO	NO						
Indicator value	8.85E-07	8.54E-07	8.09E-07	8.21E-07	8.44E-07	8.40E-07	-2.70E-07	-2.88E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



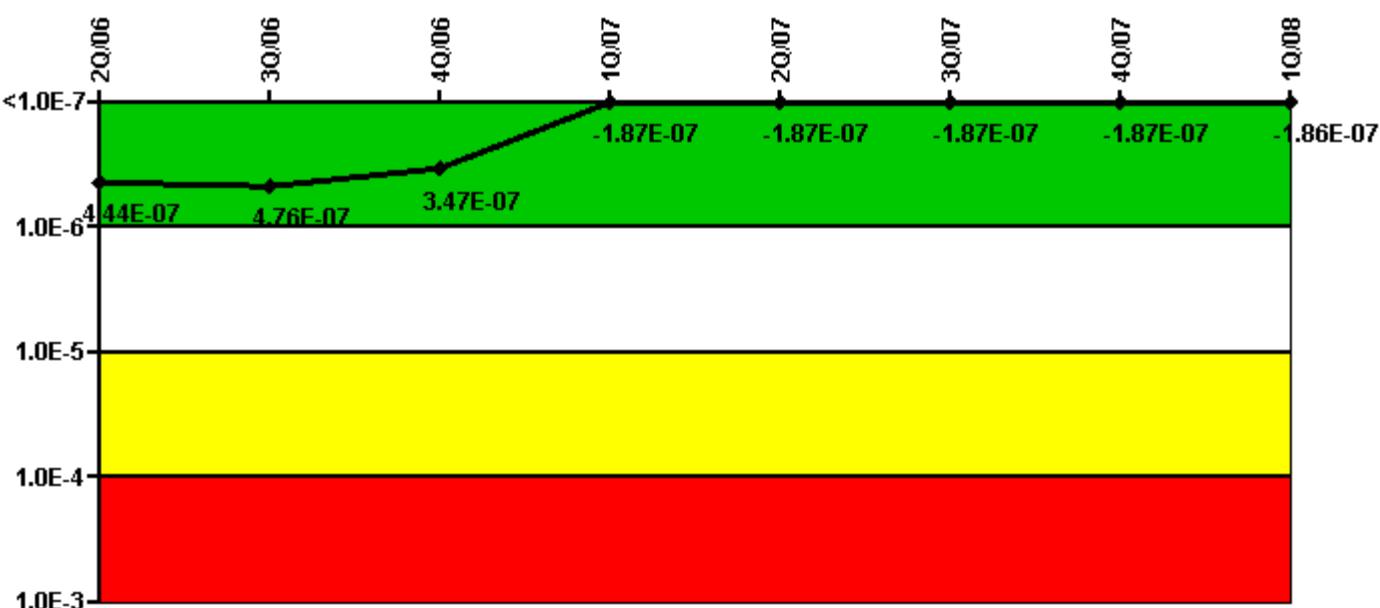
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	6.20E-08	6.50E-08	7.00E-08	7.20E-08	9.00E-08
URI ( $\Delta$ CDF)	-1.30E-07	-1.40E-07	-1.60E-07	1.60E-07	1.50E-07	1.40E-07	1.40E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.40E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>2.22E-07</b>	<b>2.15E-07</b>	<b>2.10E-07</b>	<b>2.12E-07</b>	<b>2.10E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



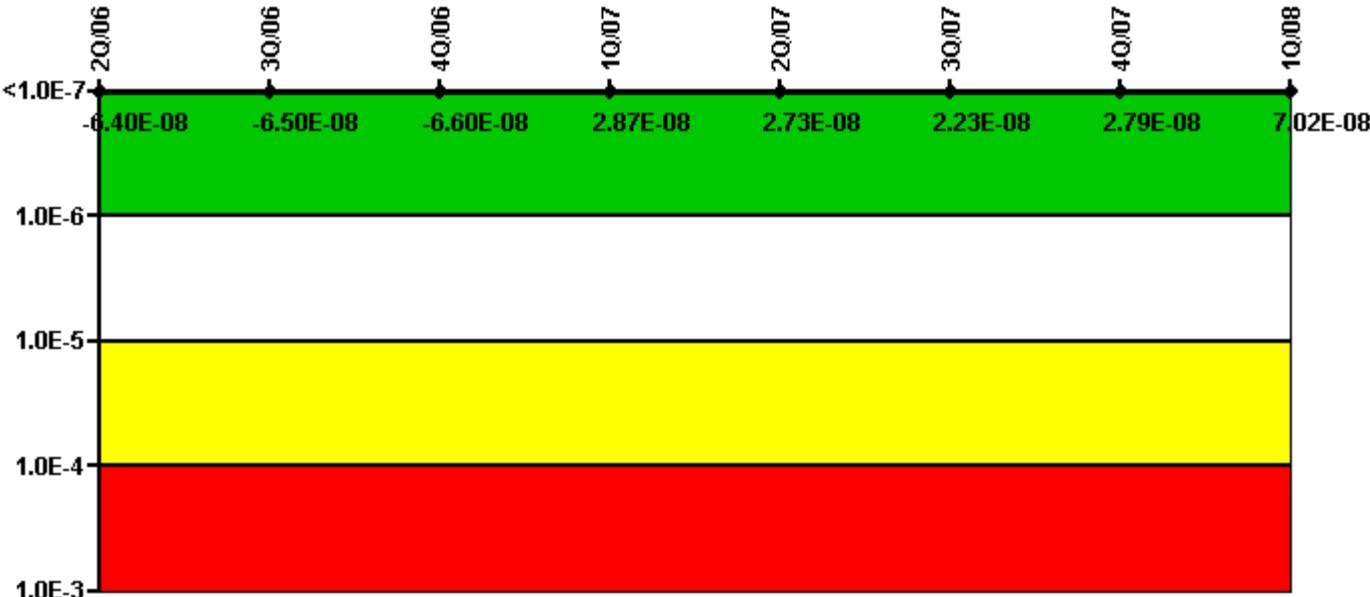
Thresholds: White >  $1.00 \times 10^{-6}$  Yellow >  $1.00 \times 10^{-5}$  Red >  $1.00 \times 10^{-4}$

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	6.40E-08	7.60E-08	-5.30E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.60E-08
URI ( $\Delta$ CDF)	3.80E-07	4.00E-07	4.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.44E-07	4.76E-07	3.47E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.86E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



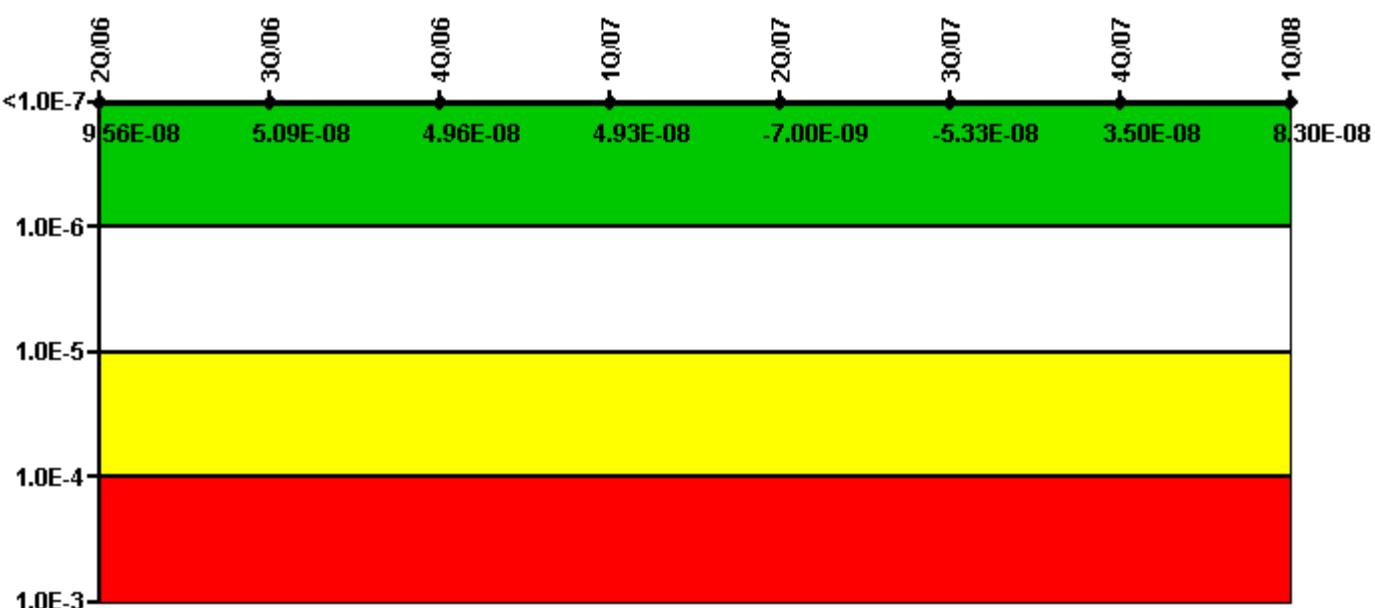
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-1.00E-08	-1.00E-08	-1.00E-08	-8.30E-09	-7.70E-09	-7.70E-09	-1.40E-10	2.20E-09
URI ( $\Delta$ CDF)	-5.40E-08	-5.50E-08	-5.60E-08	3.70E-08	3.50E-08	3.00E-08	2.80E-08	6.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-6.40E-08</b>	<b>-6.50E-08</b>	<b>-6.60E-08</b>	<b>2.87E-08</b>	<b>2.73E-08</b>	<b>2.23E-08</b>	<b>2.79E-08</b>	<b>7.02E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



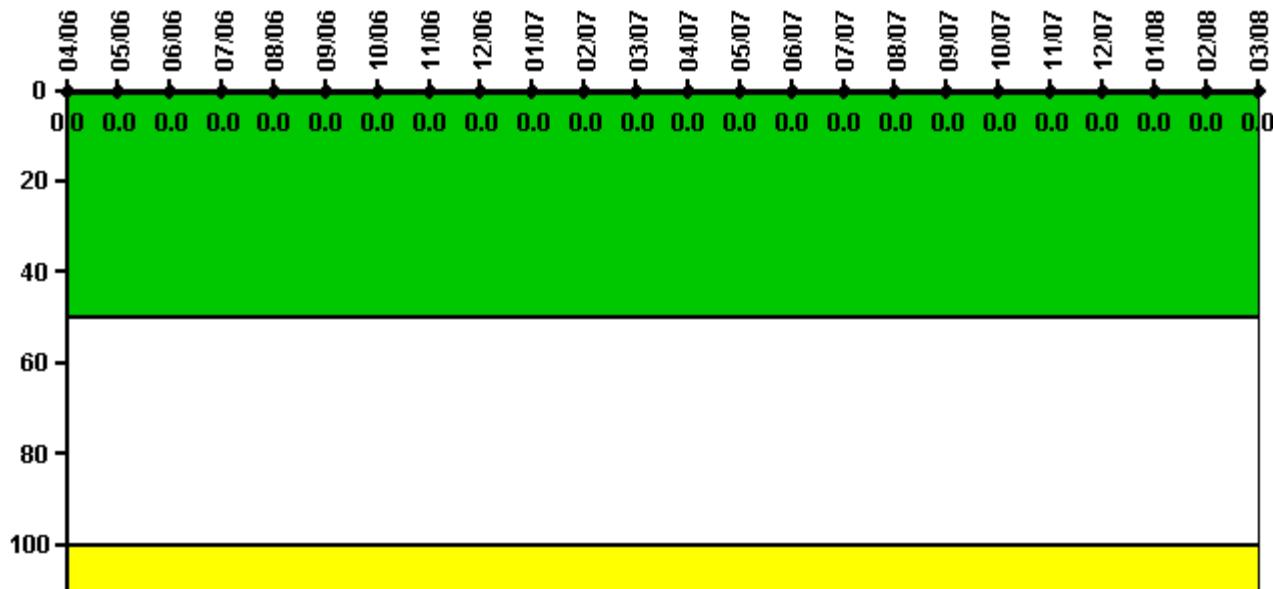
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	9.30E-08	4.80E-08	4.70E-08	4.20E-08	4.50E-08	-1.30E-09	9.10E-08	1.40E-07
URI ( $\Delta$ CDF)	2.60E-09	2.90E-09	2.60E-09	7.30E-09	-5.20E-08	-5.20E-08	-5.60E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>9.56E-08</b>	<b>5.09E-08</b>	<b>4.96E-08</b>	<b>4.93E-08</b>	<b>-7.00E-09</b>	<b>-5.33E-08</b>	<b>3.50E-08</b>	<b>8.30E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



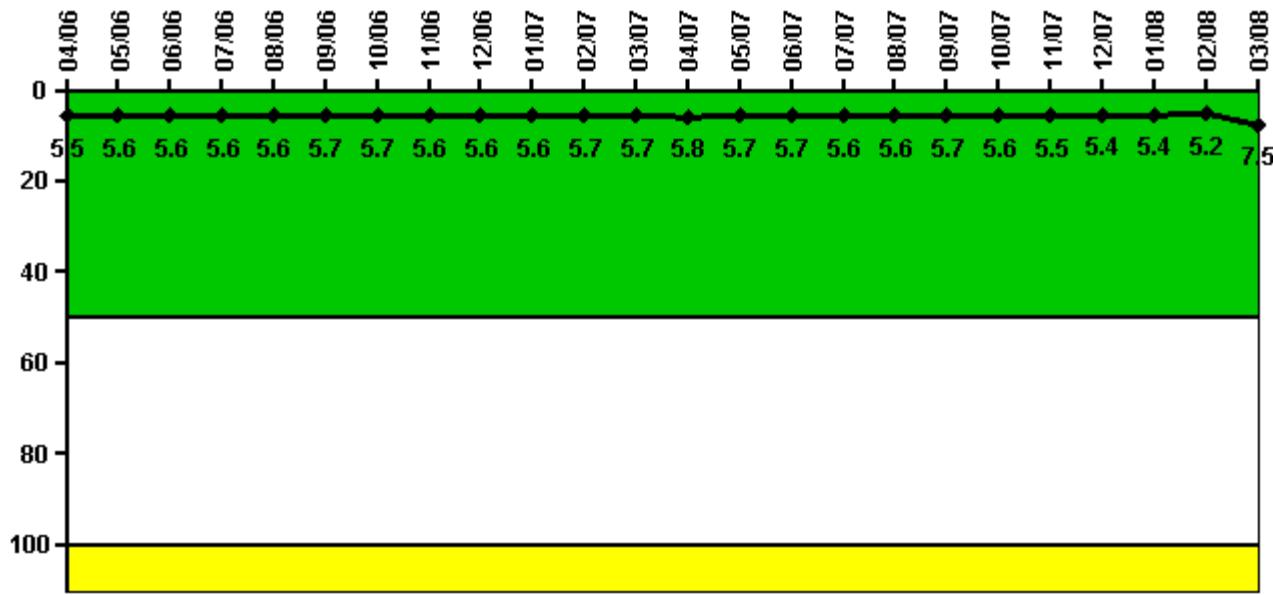
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000012	0.000014	0.000015	0.000006	0.000005	0.000007	0.000008	0.000008	0.000007	0.000006	0.000006	0.000006
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	0
Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000006	0.000005	0.000006	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



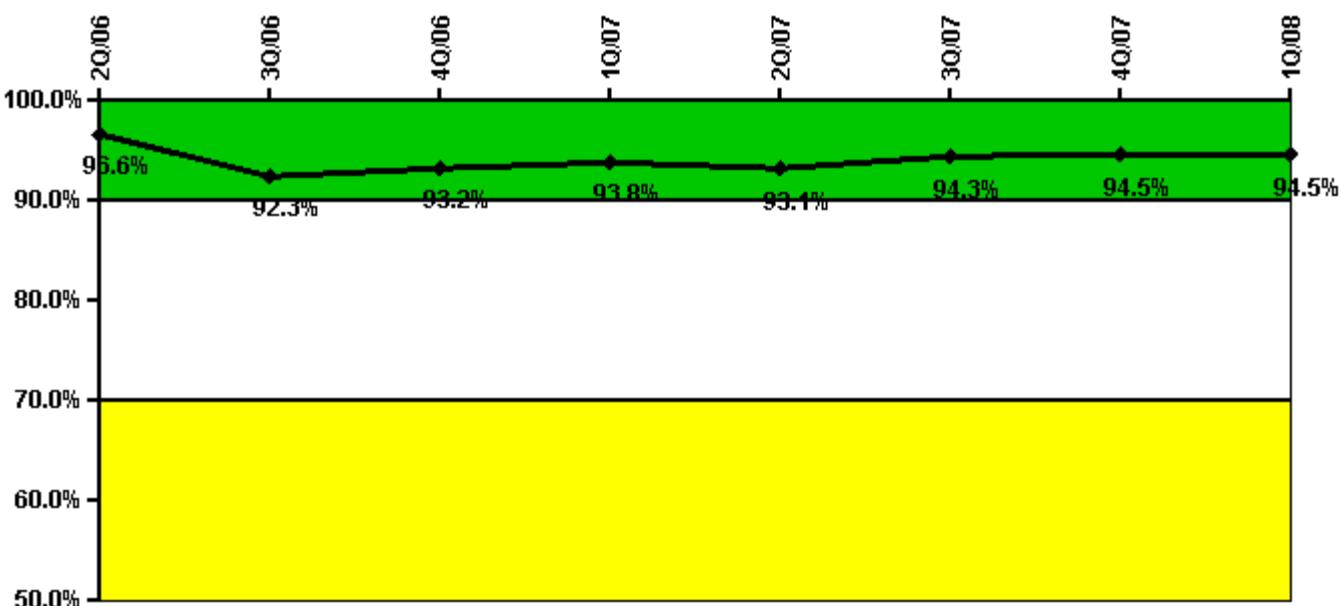
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	1.660	1.680	1.670	1.680	1.680	1.700	1.700	1.690	1.680	1.690	1.700	1.710
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	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.6	5.6	5.6	5.7	5.7
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	1.740	1.710	1.710	1.690	1.690	1.700	1.680	1.650	1.620	1.630	1.550	2.260
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	5.8	5.7	5.7	5.6	5.6	5.7	5.6	5.5	5.4	5.4	5.2	7.5

Licensee Comments: none

## Drill/Exercise Performance



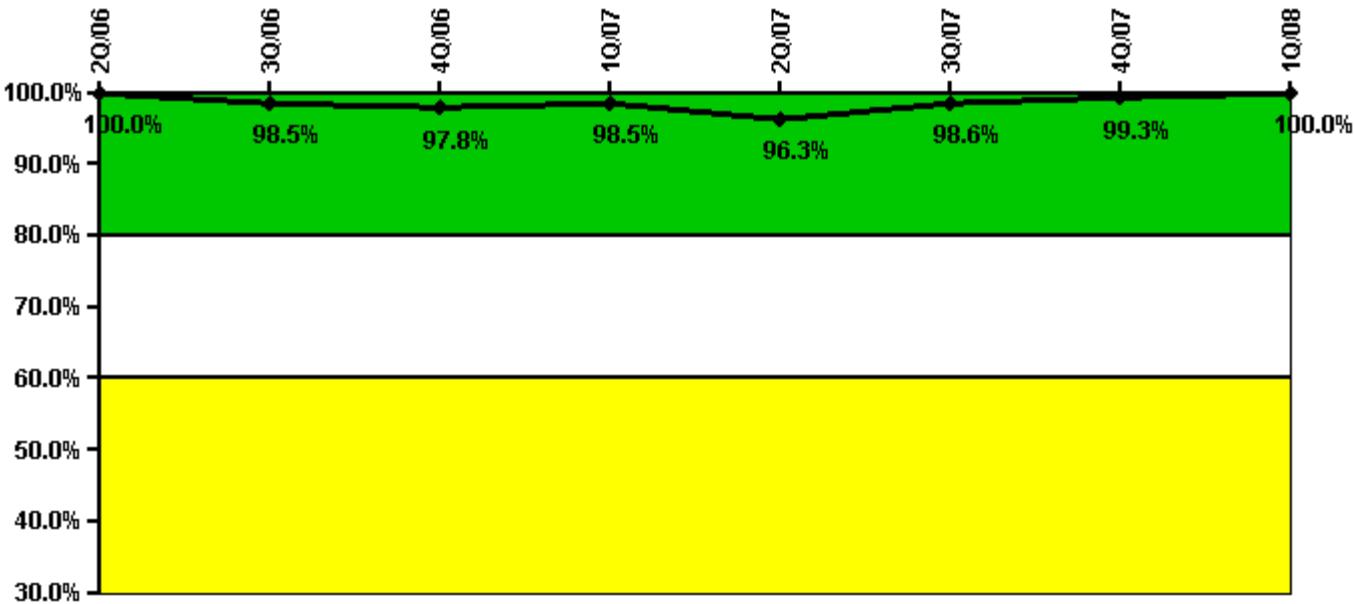
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	17.0	34.0	24.0	2.0	11.0	72.0	7.0	6.0
Total opportunities	18.0	41.0	24.0	2.0	12.0	73.0	7.0	6.0
Indicator value	96.6%	92.3%	93.2%	93.8%	93.1%	94.3%	94.5%	94.5%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	129.0	133.0	134.0	132.0	130.0	138.0	136.0	137.0
Total Key personnel	129.0	135.0	137.0	134.0	135.0	140.0	137.0	137.0
Indicator value	100.0%	98.5%	97.8%	98.5%	96.3%	98.6%	99.3%	100.0%

Licensee Comments: none

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

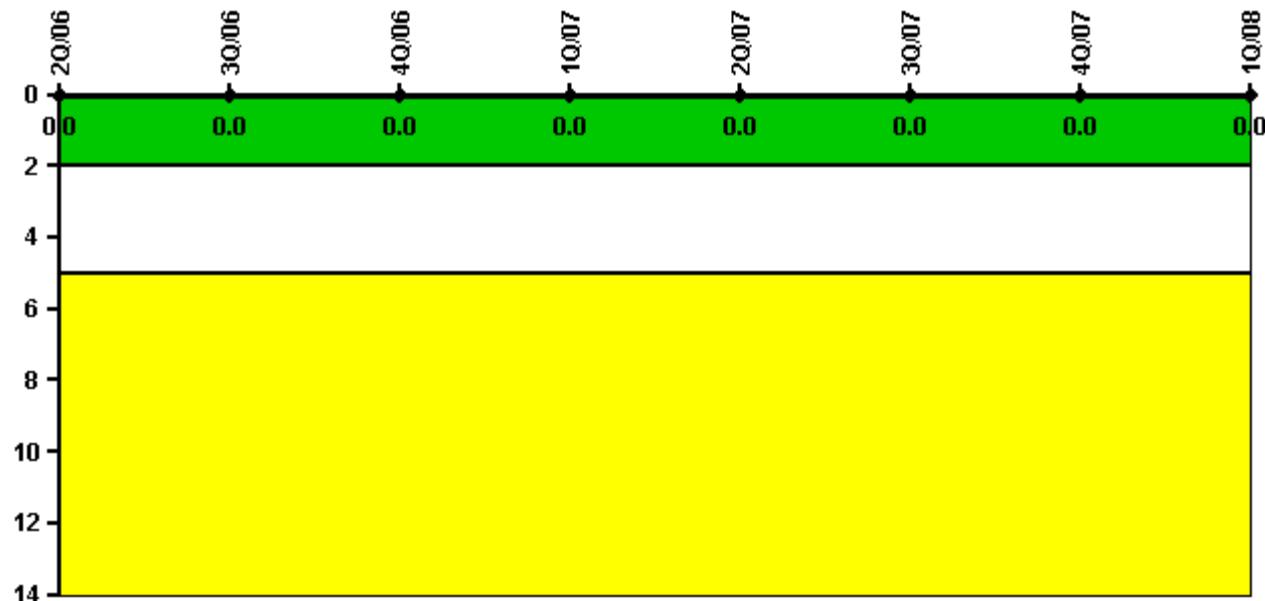
## **Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/06</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

1Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



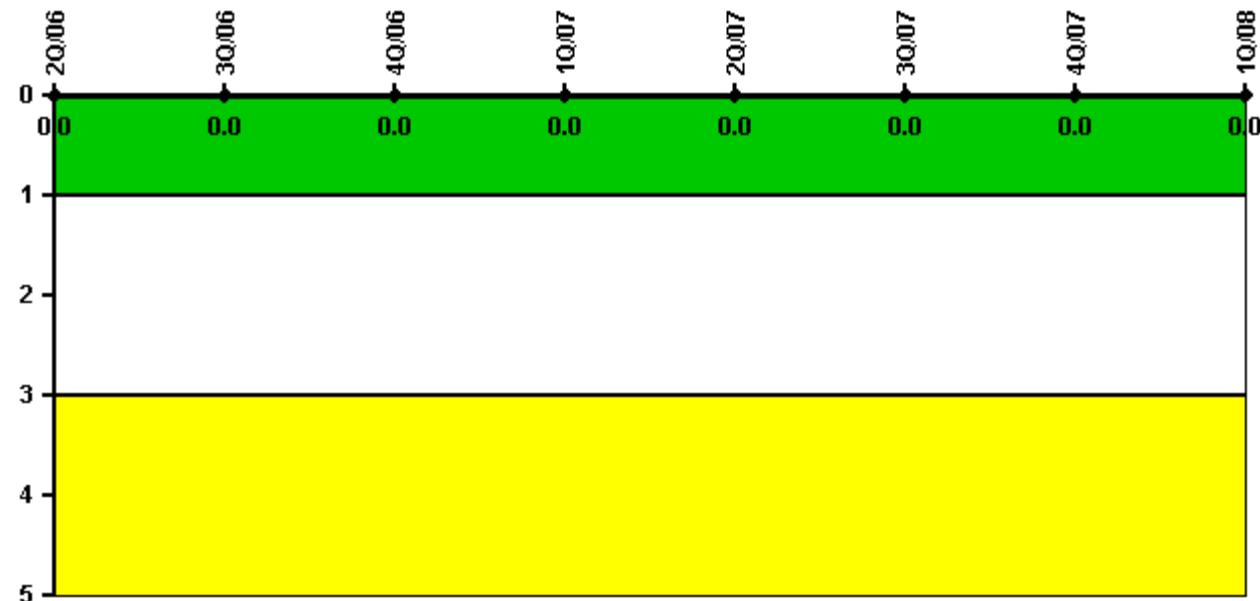
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



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

Last Modified: April 30, 2008

# Hatch 1

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



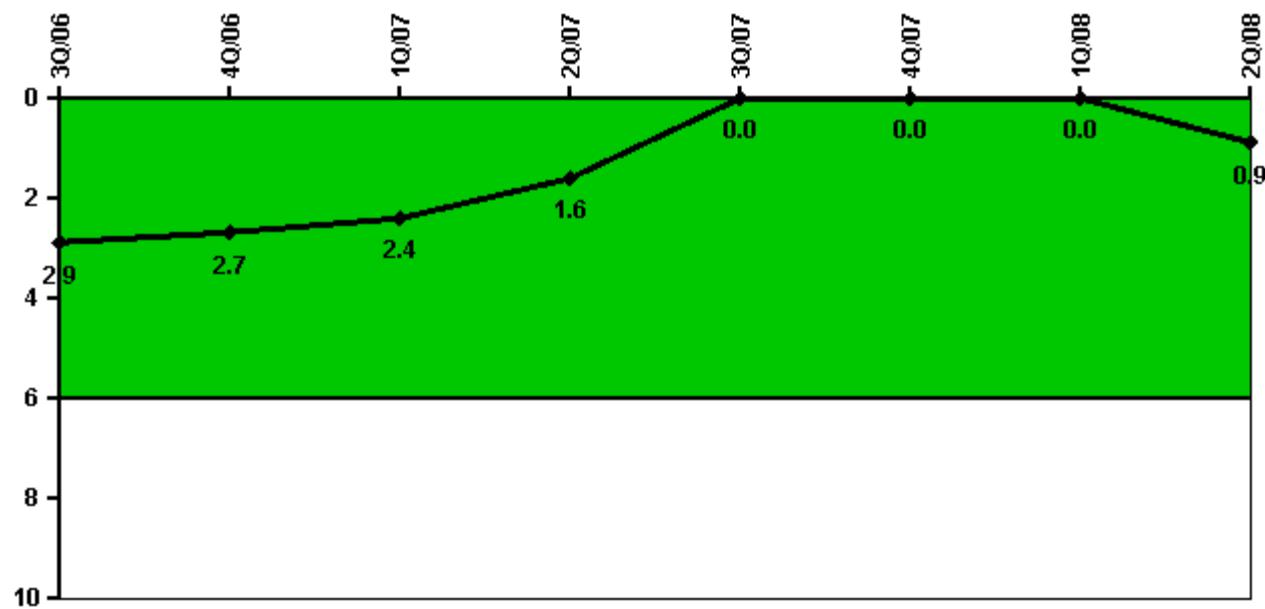
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



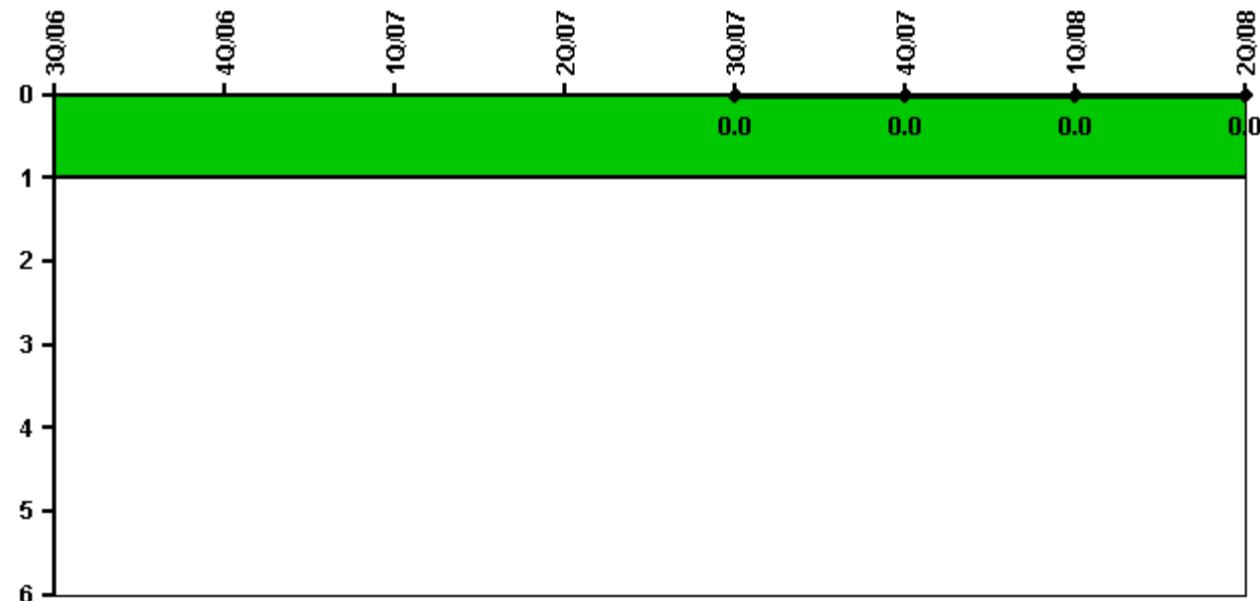
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	2.0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0
Indicator value	<b>2.9</b>	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>

Licensee Comments: none

## Unplanned Scrams with Complications



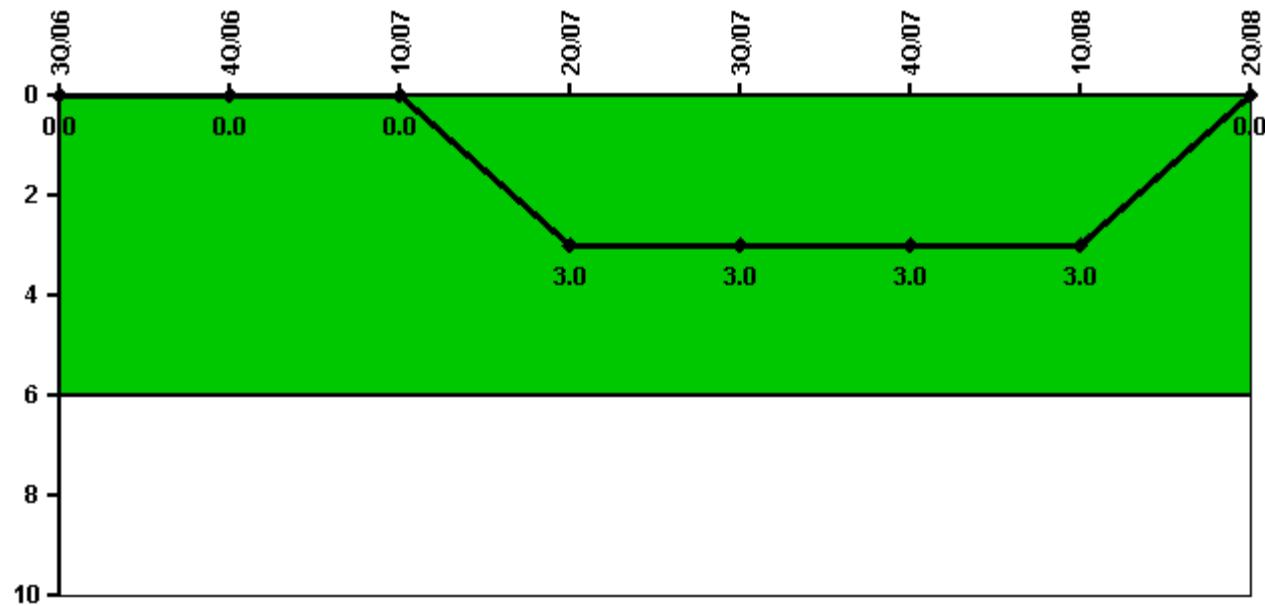
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	0	0
<b>Indicator value</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

## Safety System Functional Failures (BWR)



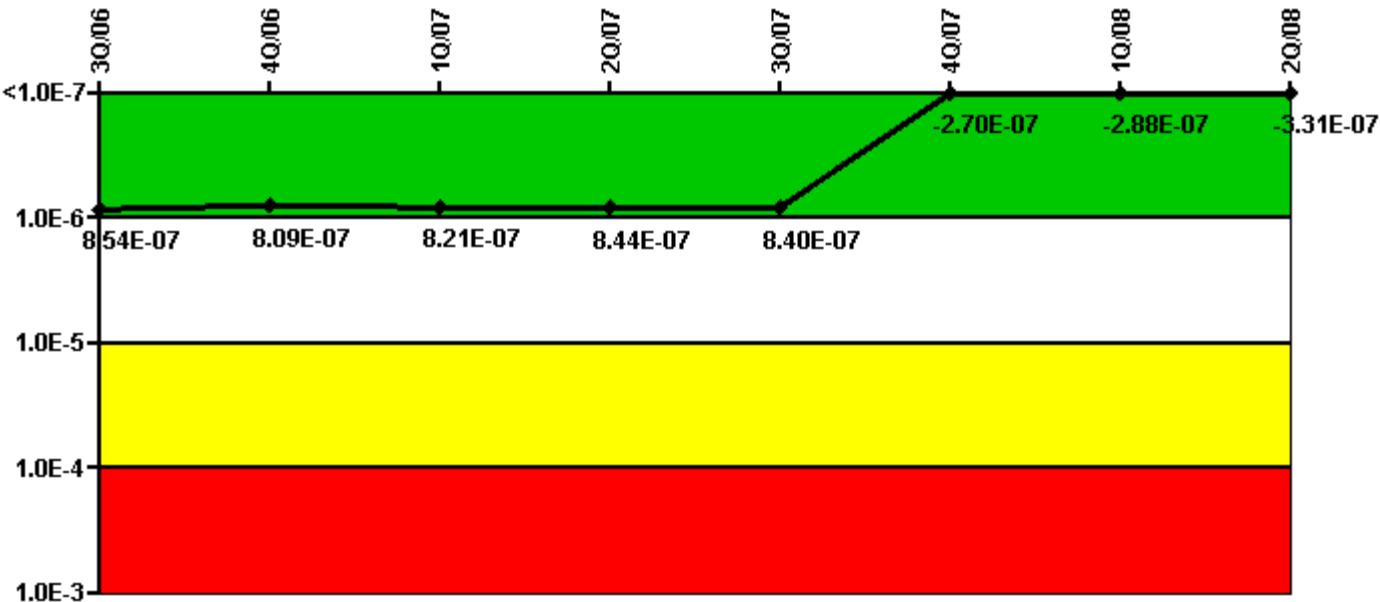
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	0	0	3	0	0	0	0
Indicator value	0	0	0	3	3	3	3	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

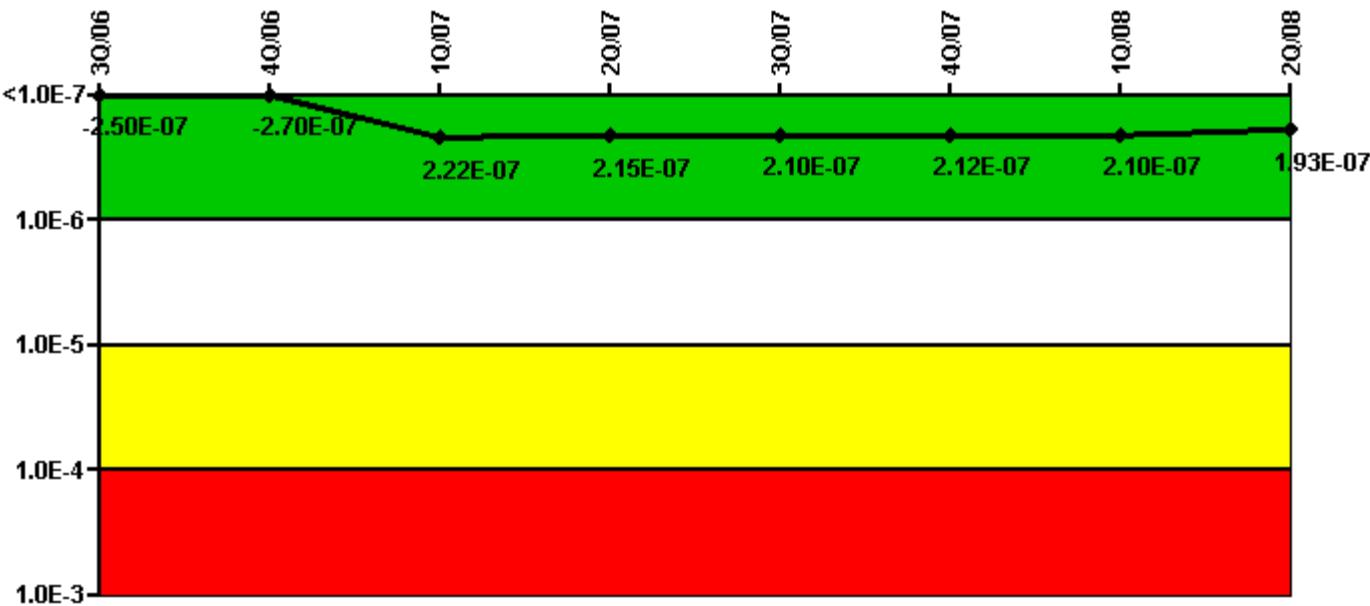
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	5.40E-08	1.90E-08	1.10E-08	1.40E-08	9.70E-09	-2.00E-08	-1.80E-08	8.80E-09
URI ( $\Delta$ CDF)	8.00E-07	7.90E-07	8.10E-07	8.30E-07	8.30E-07	-2.50E-07	-2.70E-07	-3.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>8.54E-07</b>	<b>8.09E-07</b>	<b>8.21E-07</b>	<b>8.44E-07</b>	<b>8.40E-07</b>	<b>-2.70E-07</b>	<b>-2.88E-07</b>	<b>-3.31E-07</b>

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

# Mitigating Systems Performance Index, High Pressure Injection System



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

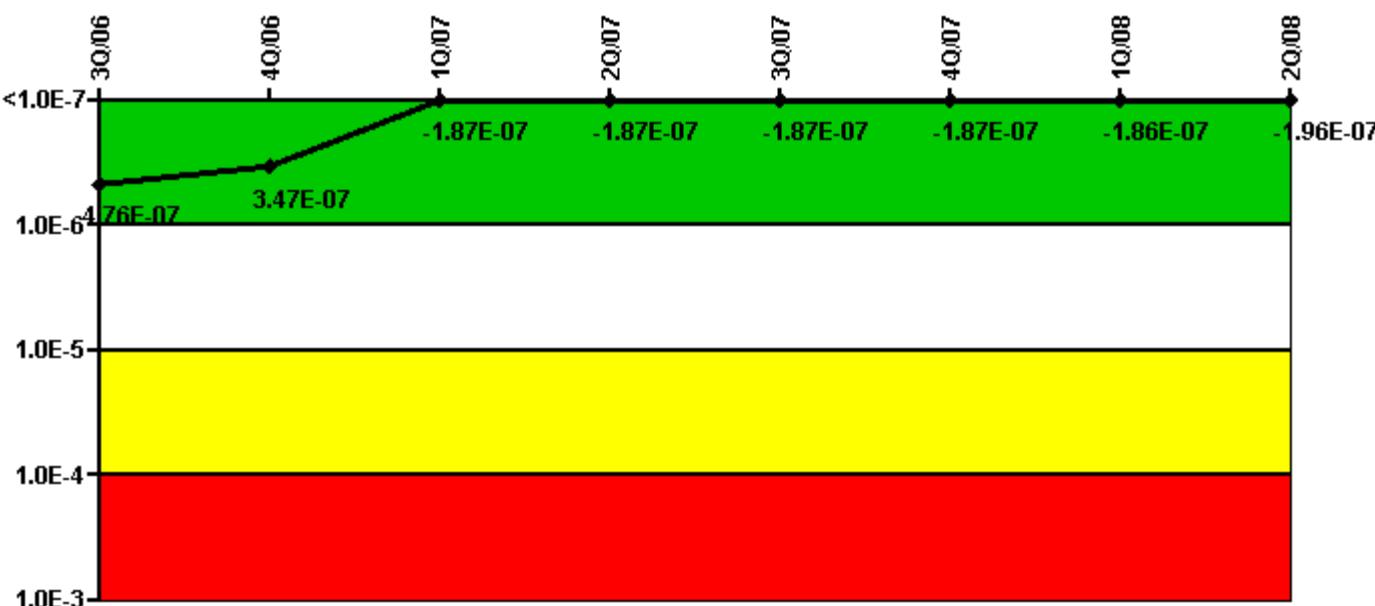
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-1.10E-07	-1.10E-07	6.20E-08	6.50E-08	7.00E-08	7.20E-08	9.00E-08	7.30E-08
URI ( $\Delta$ CDF)	-1.40E-07	-1.60E-07	1.60E-07	1.50E-07	1.40E-07	1.40E-07	1.20E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>2.22E-07</b>	<b>2.15E-07</b>	<b>2.10E-07</b>	<b>2.12E-07</b>	<b>2.10E-07</b>	<b>1.93E-07</b>

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

# Mitigating Systems Performance Index, Heat Removal System



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

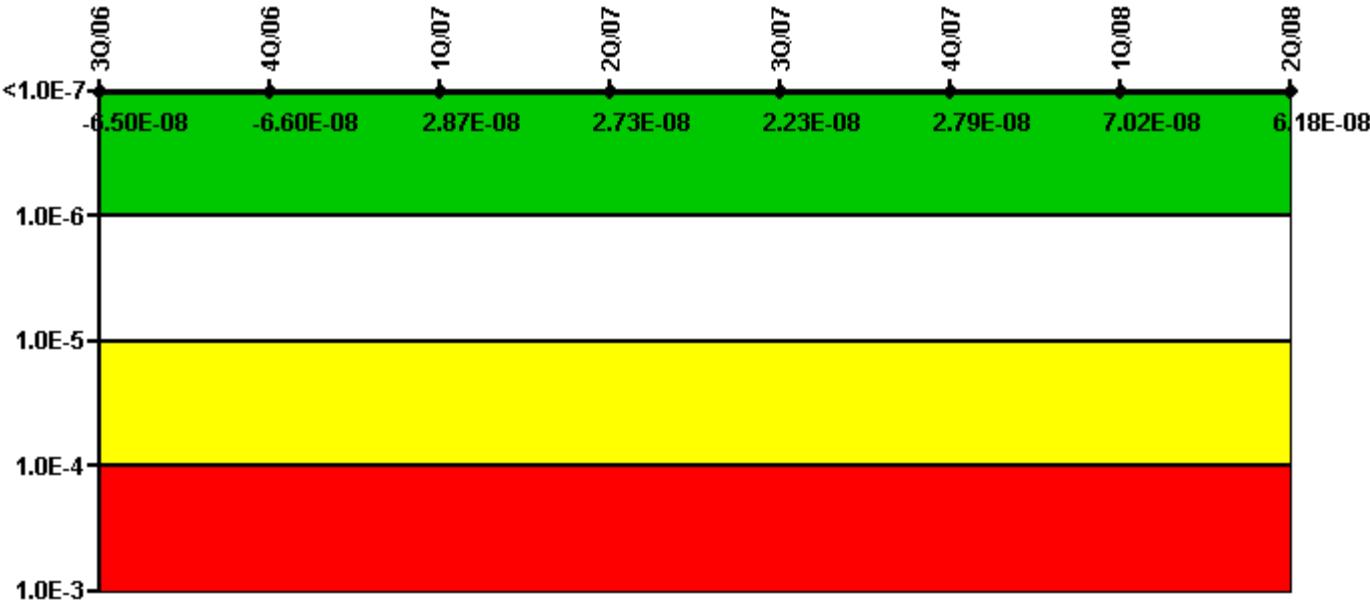
## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	7.60E-08	-5.30E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.60E-08	-5.60E-08
URI ( $\Delta$ CDF)	4.00E-07	4.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.76E-07	3.47E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.86E-07	-1.96E-07

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

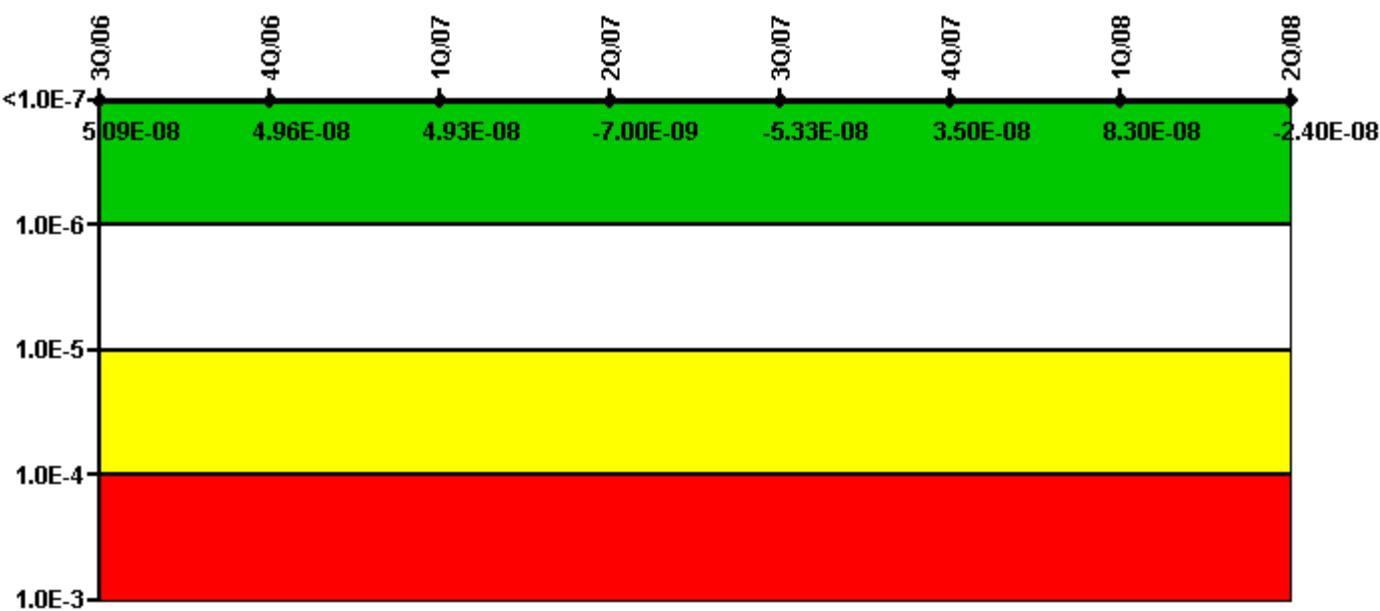
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-1.00E-08	-1.00E-08	-8.30E-09	-7.70E-09	-7.70E-09	-1.40E-10	2.20E-09	-6.20E-09
URI ( $\Delta$ CDF)	-5.50E-08	-5.60E-08	3.70E-08	3.50E-08	3.00E-08	2.80E-08	6.80E-08	6.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-6.50E-08</b>	<b>-6.60E-08</b>	<b>2.87E-08</b>	<b>2.73E-08</b>	<b>2.23E-08</b>	<b>2.79E-08</b>	<b>7.02E-08</b>	<b>6.18E-08</b>

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## Mitigating Systems Performance Index, Cooling Water Systems



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

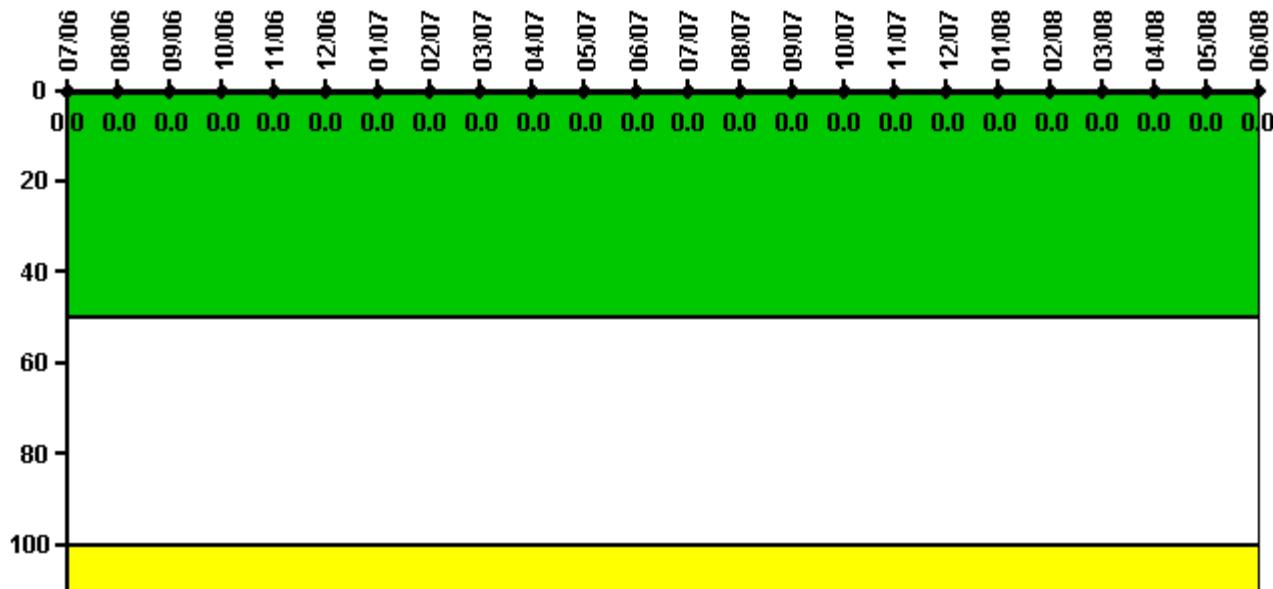
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	4.80E-08	4.70E-08	4.20E-08	4.50E-08	-1.30E-09	9.10E-08	1.40E-07	3.80E-08
URI ( $\Delta$ CDF)	2.90E-09	2.60E-09	7.30E-09	-5.20E-08	-5.20E-08	-5.60E-08	-5.70E-08	-6.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.09E-08	4.96E-08	4.93E-08	-7.00E-09	-5.33E-08	3.50E-08	8.30E-08	-2.40E-08

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## Reactor Coolant System Activity



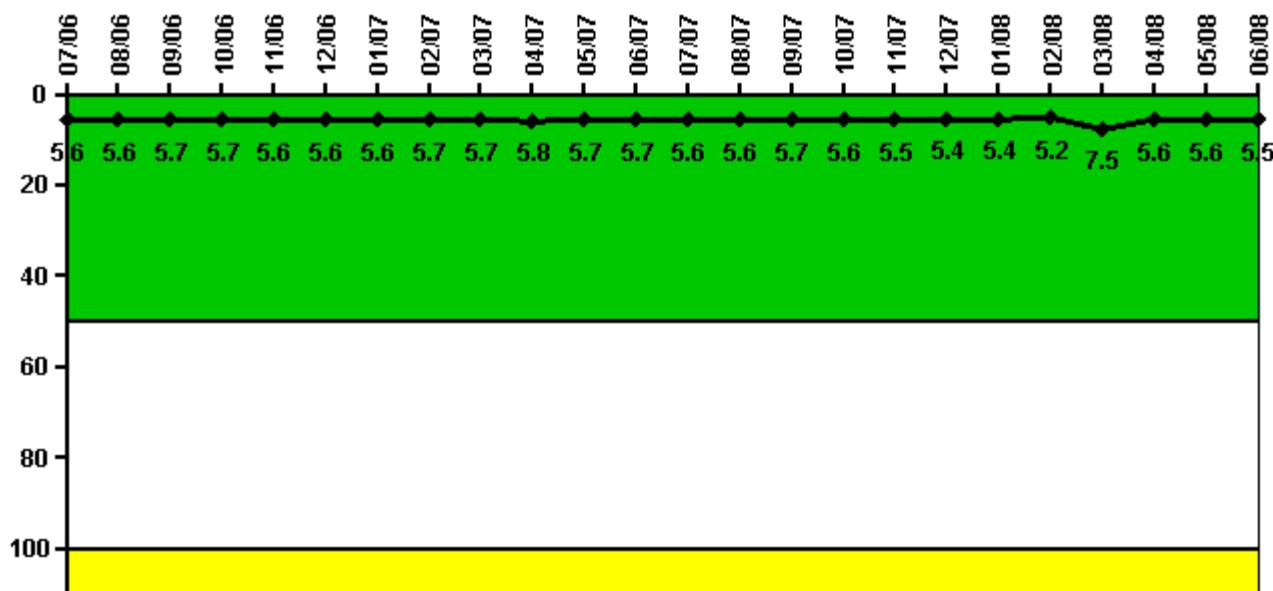
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000006	0.000005	0.000007	0.000008	0.000008	0.000007	0.000006	0.000006	0.000006	0.000006	0.000005	0.000006
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	0
Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



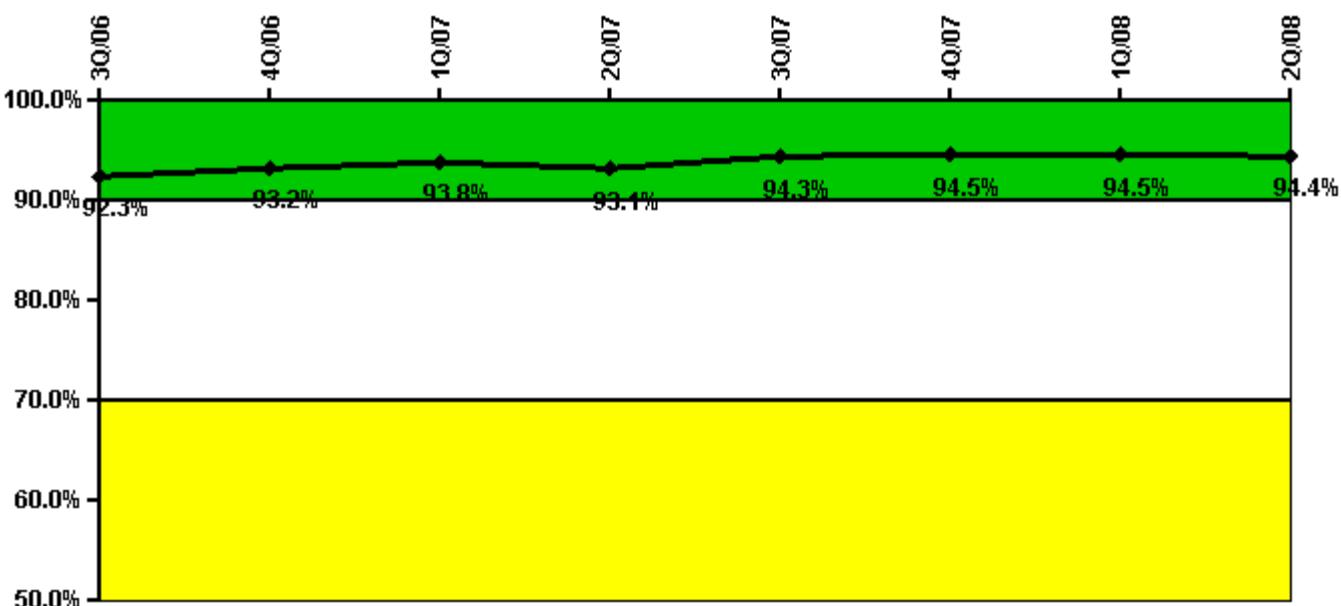
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	1.680	1.680	1.700	1.700	1.690	1.680	1.690	1.700	1.710	1.740	1.710	1.710
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	5.6	5.6	5.7	5.7	5.6	5.6	5.6	5.7	5.7	5.8	5.7	5.7
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	1.690	1.690	1.700	1.680	1.650	1.620	1.630	1.550	2.260	1.680	1.670	1.660
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	5.6	5.6	5.7	5.6	5.5	5.4	5.4	5.2	7.5	5.6	5.6	5.5

Licensee Comments: none

## Drill/Exercise Performance



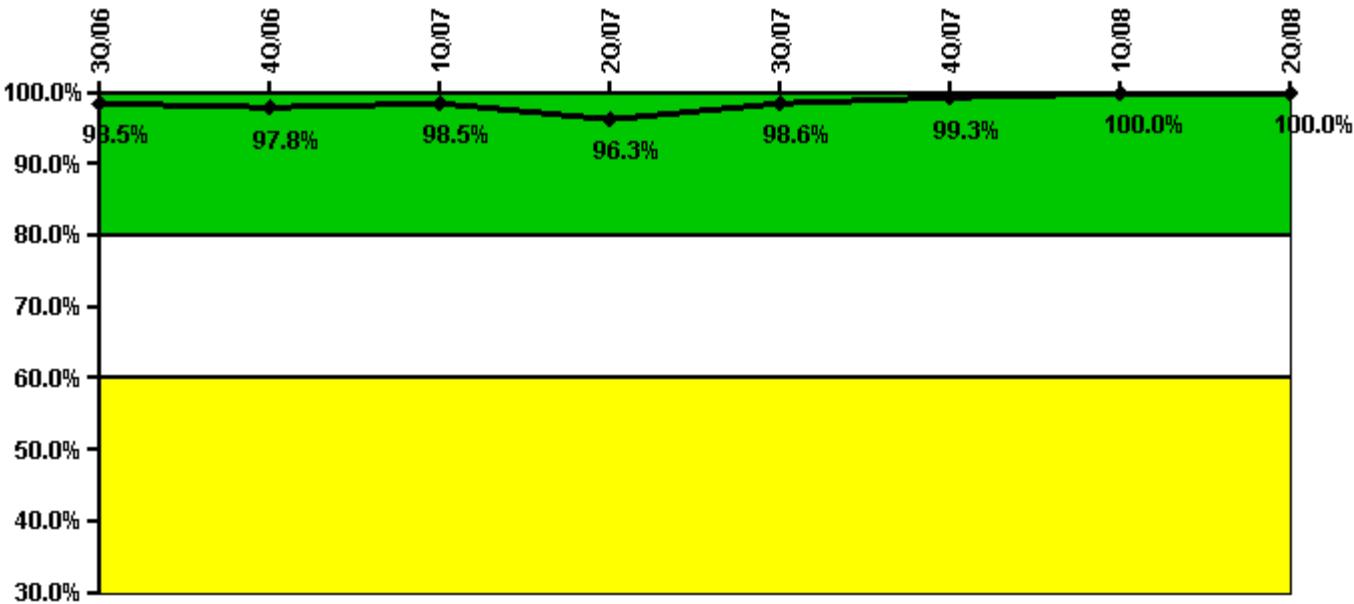
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	34.0	24.0	2.0	11.0	72.0	7.0	6.0	30.0
Total opportunities	41.0	24.0	2.0	12.0	73.0	7.0	6.0	32.0
Indicator value	92.3%	93.2%	93.8%	93.1%	94.3%	94.5%	94.5%	94.4%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	133.0	134.0	132.0	130.0	138.0	136.0	137.0	134.0
Total Key personnel	135.0	137.0	134.0	135.0	140.0	137.0	137.0	134.0
Indicator value	98.5%	97.8%	98.5%	96.3%	98.6%	99.3%	100.0%	100.0%

Licensee Comments: none

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

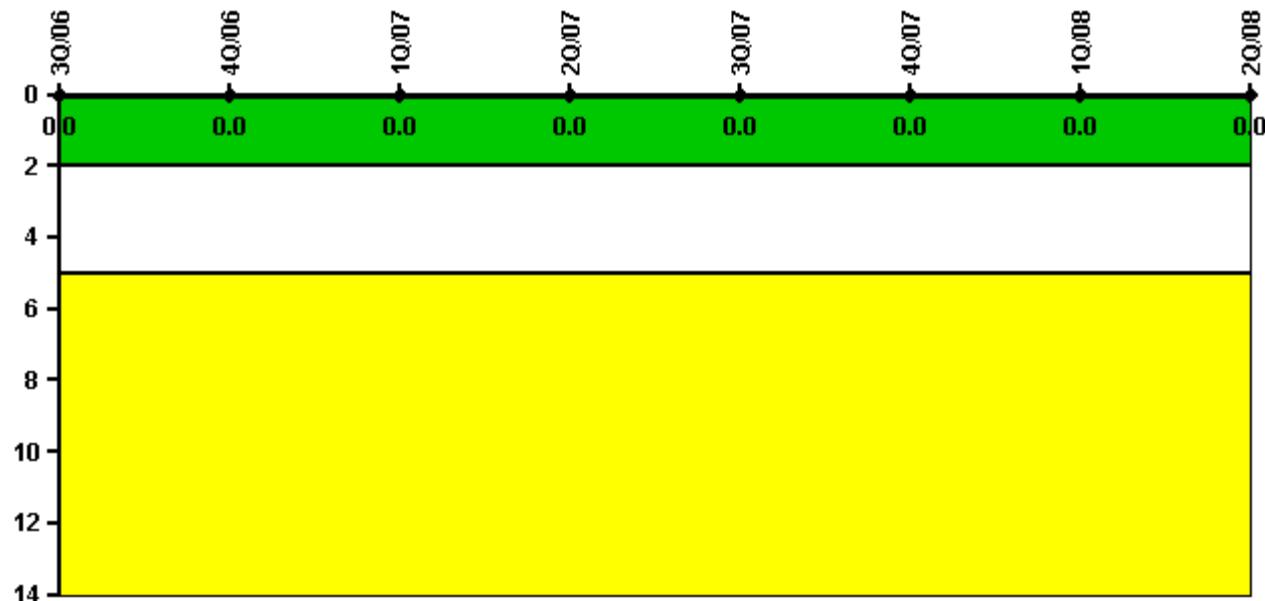
## **Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/06</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

2Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



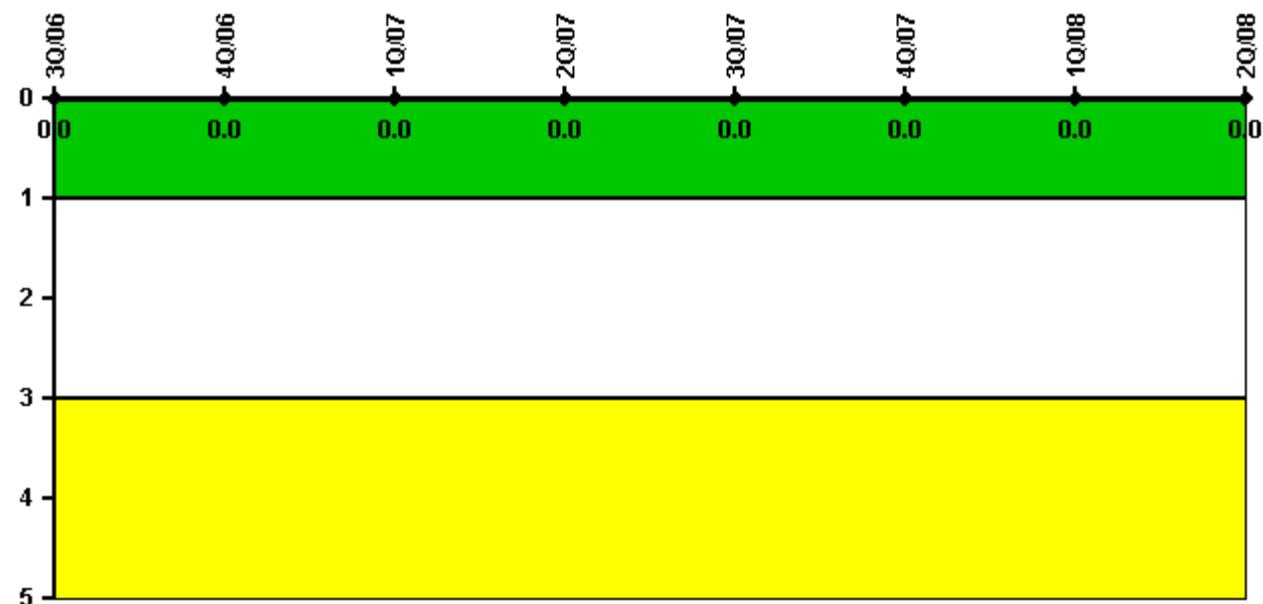
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



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

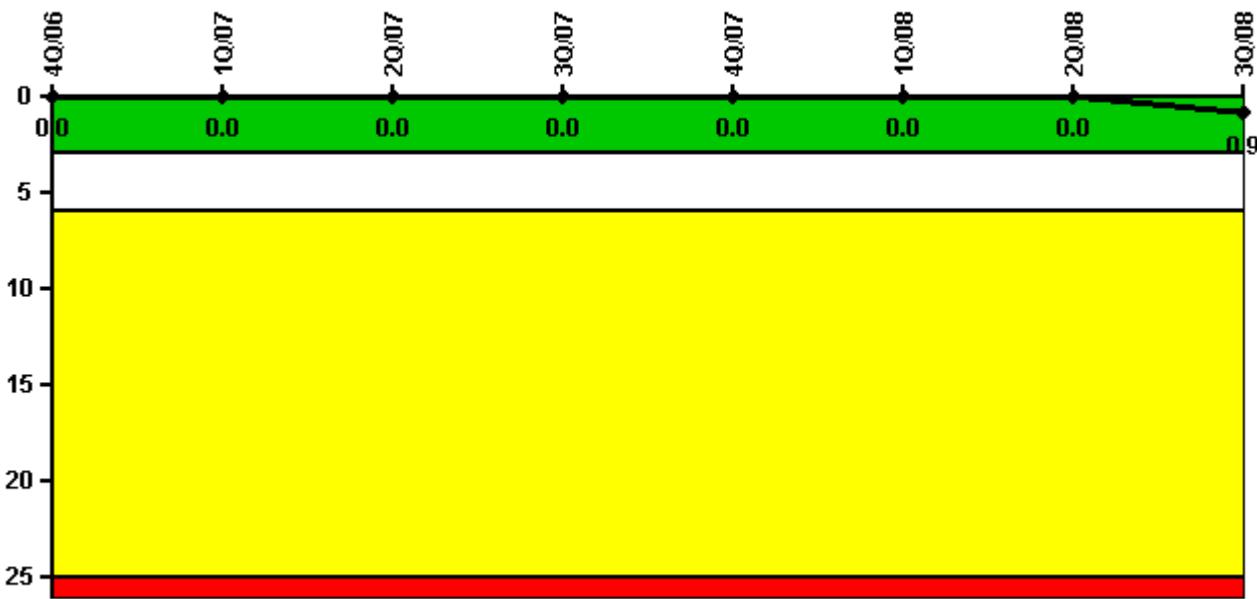
Last Modified: August 4, 2008

# Hatch 1

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



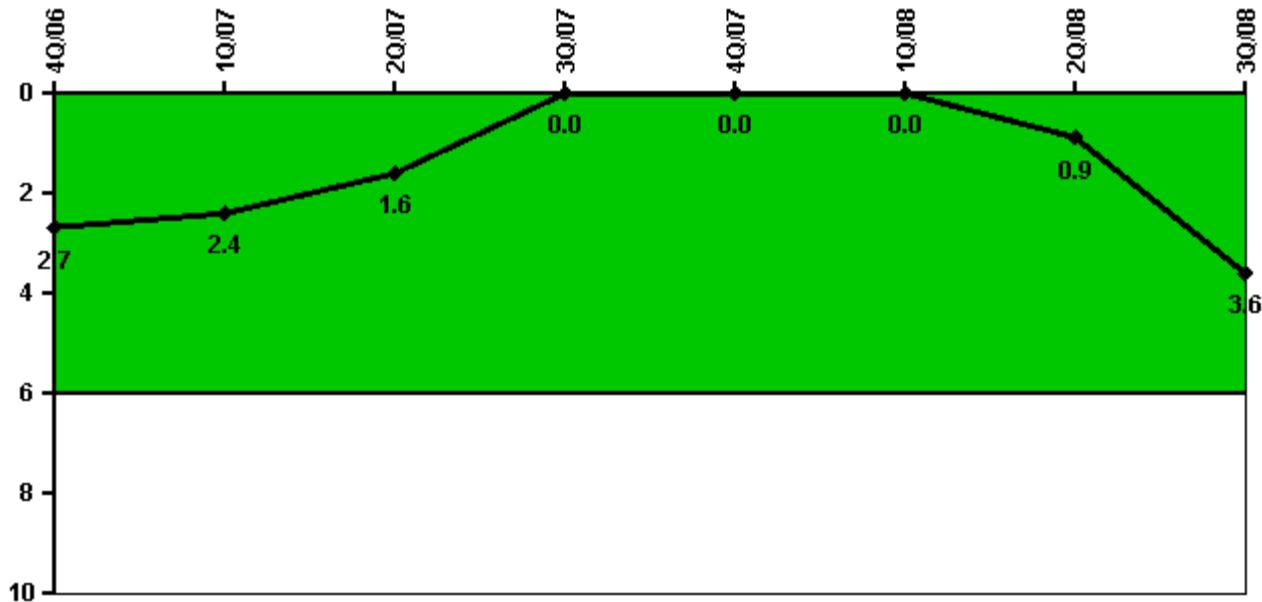
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

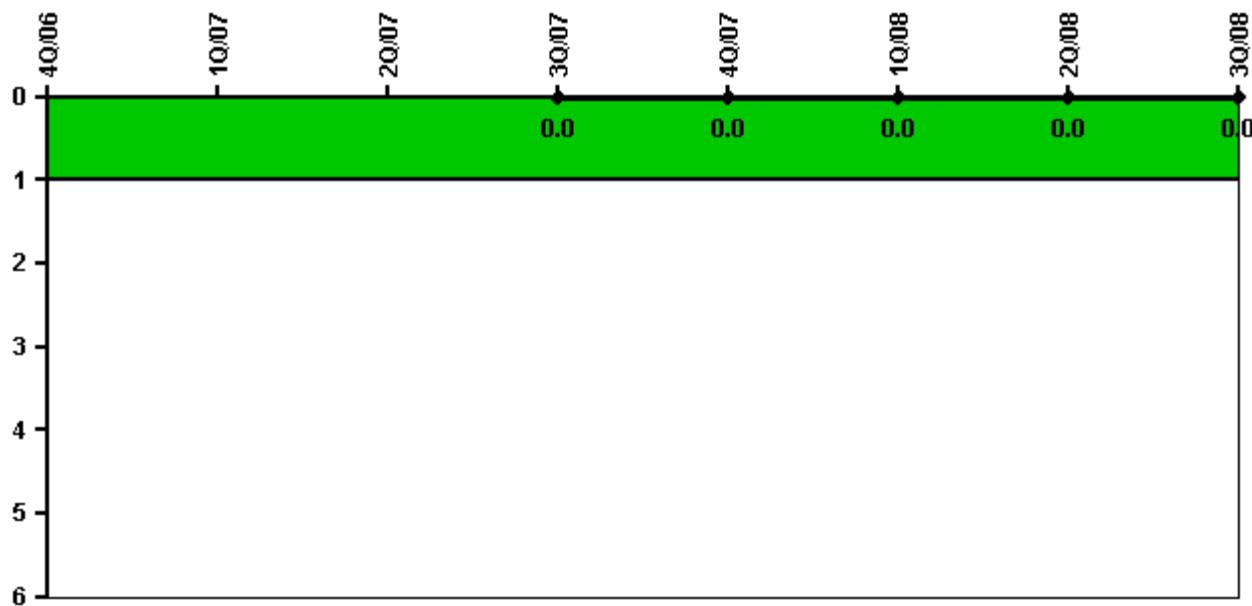
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	1.0	3.0
Critical hours	2209.0	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2
Indicator value	<b>2.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-0.9</b>	<b>3.6</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

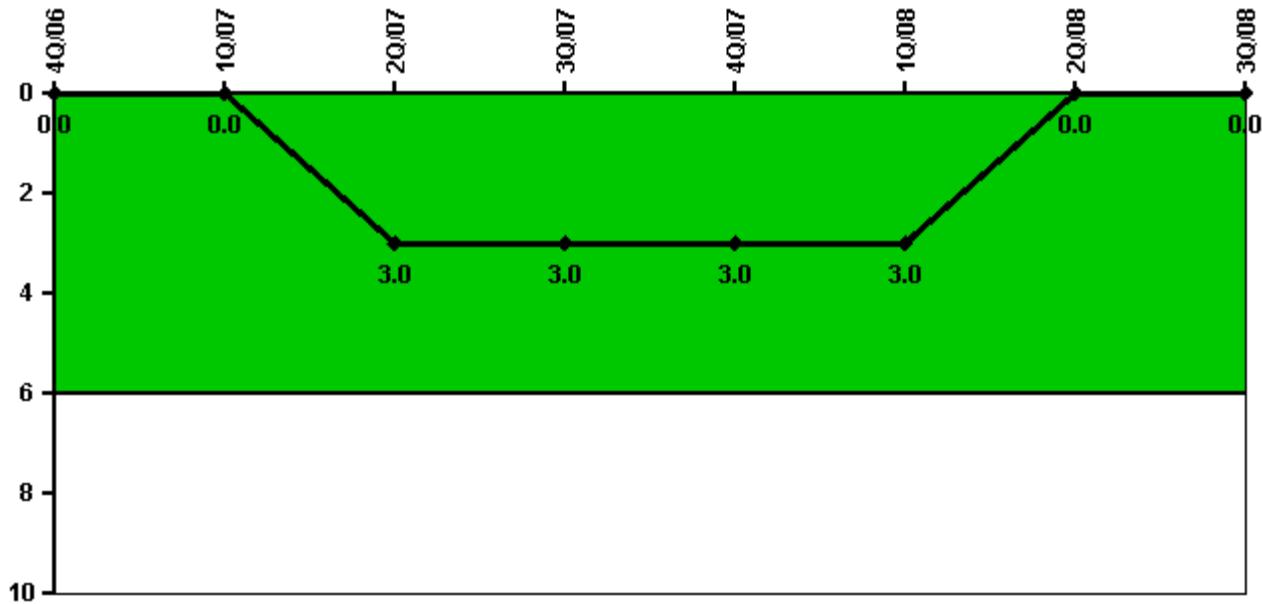
### Notes

Unplanned Scrams with Complications	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value				0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

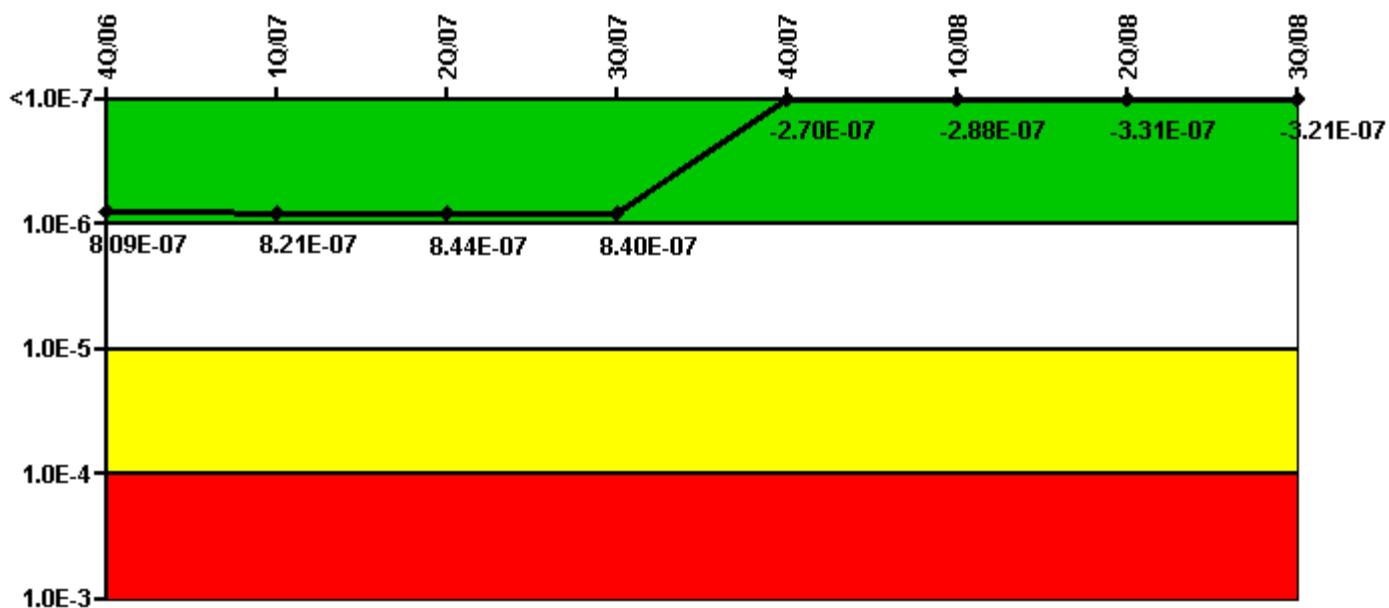
### Notes

Safety System Functional Failures (BWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	3	0	0	0	0	0
Indicator value	0	0	3	3	3	3	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

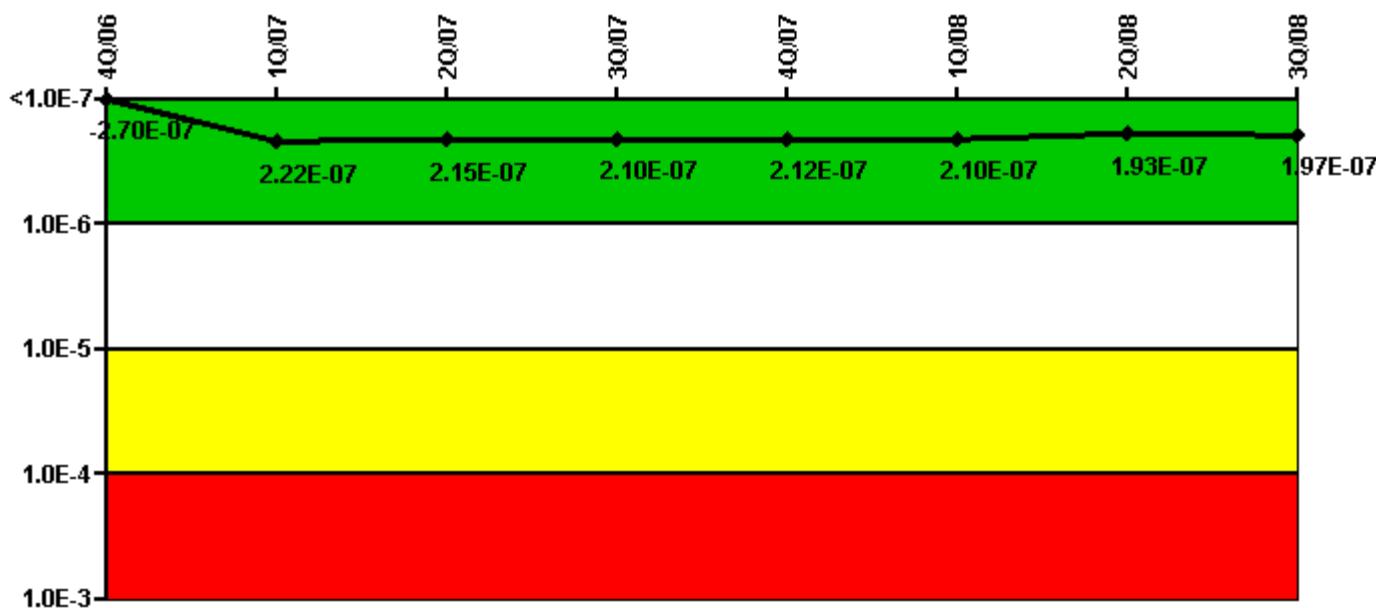
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	1.90E-08	1.10E-08	1.40E-08	9.70E-09	-2.00E-08	-1.80E-08	8.80E-09	3.90E-08
URI ( $\Delta$ CDF)	7.90E-07	8.10E-07	8.30E-07	8.30E-07	-2.50E-07	-2.70E-07	-3.40E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.09E-07	8.21E-07	8.44E-07	8.40E-07	-2.70E-07	-2.88E-07	-3.31E-07	-3.21E-07

Licensee Comments:

3Q/08: Changed PRA Parameter(s). B diesel was secured during testing due to vibration concerns. Engineering evaluation is in progress to determine if the component would have continued to operate for the mission time starting from the time the component was secured. 1C diesel coupling was found degraded and an engineering evaluation is in progress to determine the impact of the degraded condition on the monitored function. Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## Mitigating Systems Performance Index, High Pressure Injection System



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

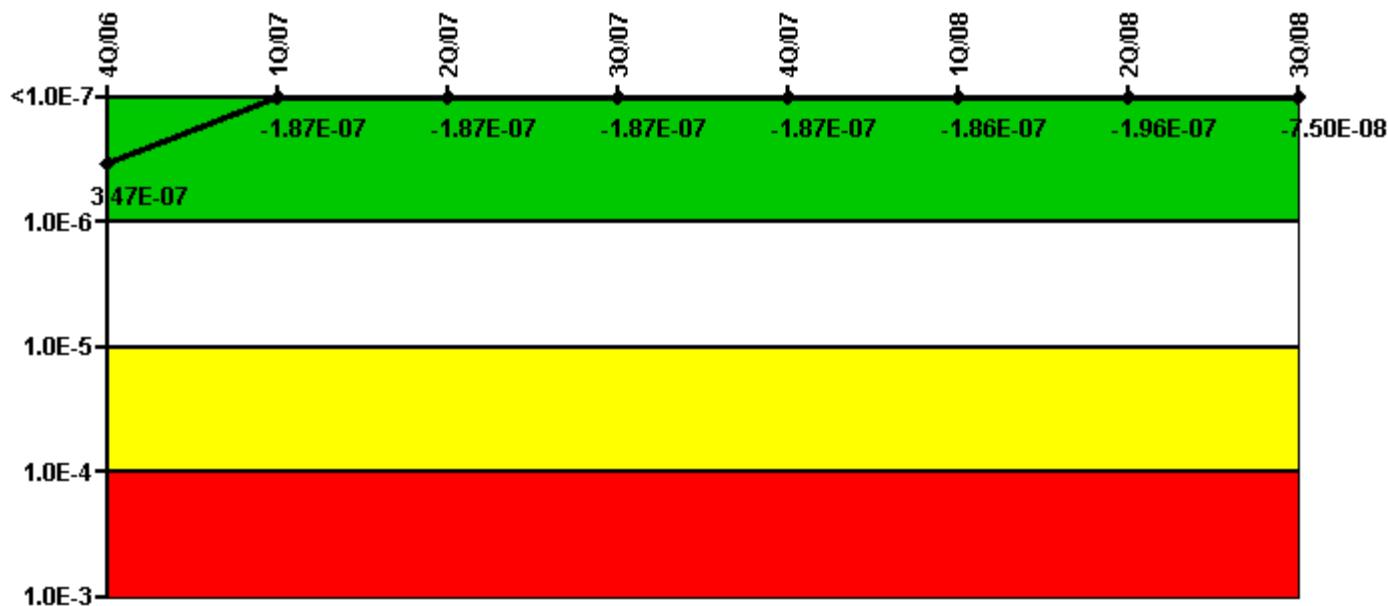
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-1.10E-07	6.20E-08	6.50E-08	7.00E-08	7.20E-08	9.00E-08	7.30E-08	7.70E-08
URI ( $\Delta$ CDF)	-1.60E-07	1.60E-07	1.50E-07	1.40E-07	1.40E-07	1.20E-07	1.20E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.70E-07</b>	<b>2.22E-07</b>	<b>2.15E-07</b>	<b>2.10E-07</b>	<b>2.12E-07</b>	<b>2.10E-07</b>	<b>1.93E-07</b>	<b>1.97E-07</b>

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## Mitigating Systems Performance Index, Heat Removal System



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

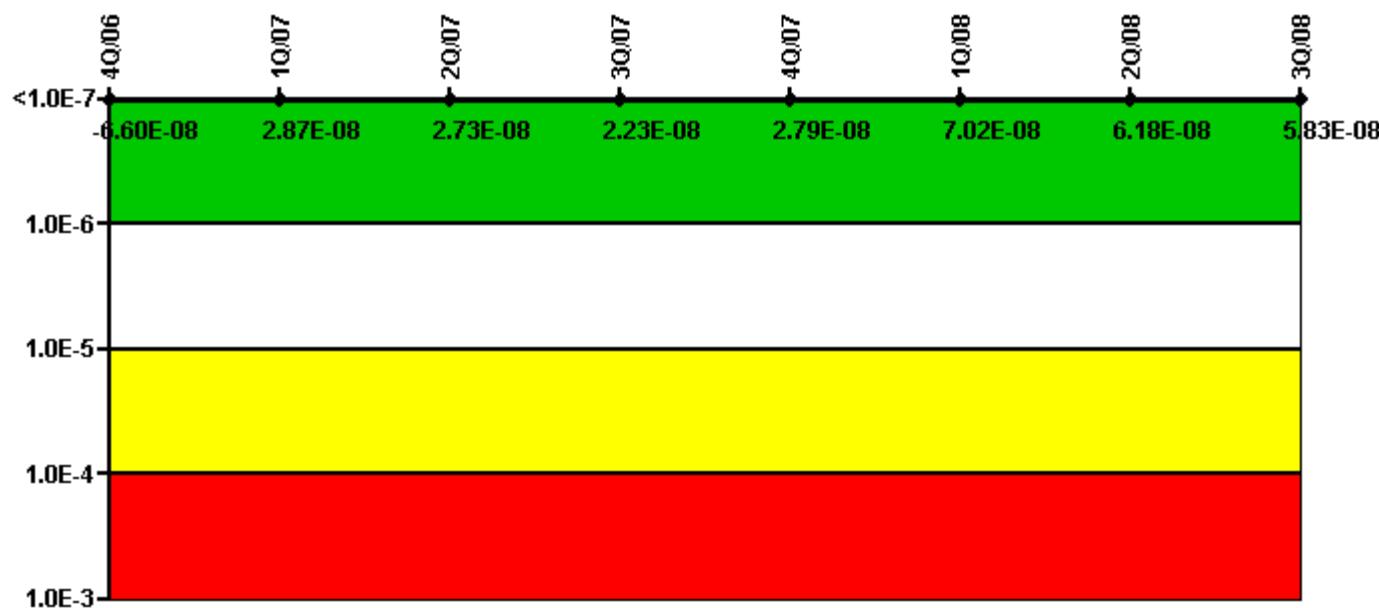
### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-5.30E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.60E-08	-5.60E-08	6.50E-08
URI ( $\Delta$ CDF)	4.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07
PLE	NO							
Indicator value	3.47E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.86E-07	-1.96E-07	-7.50E-08

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

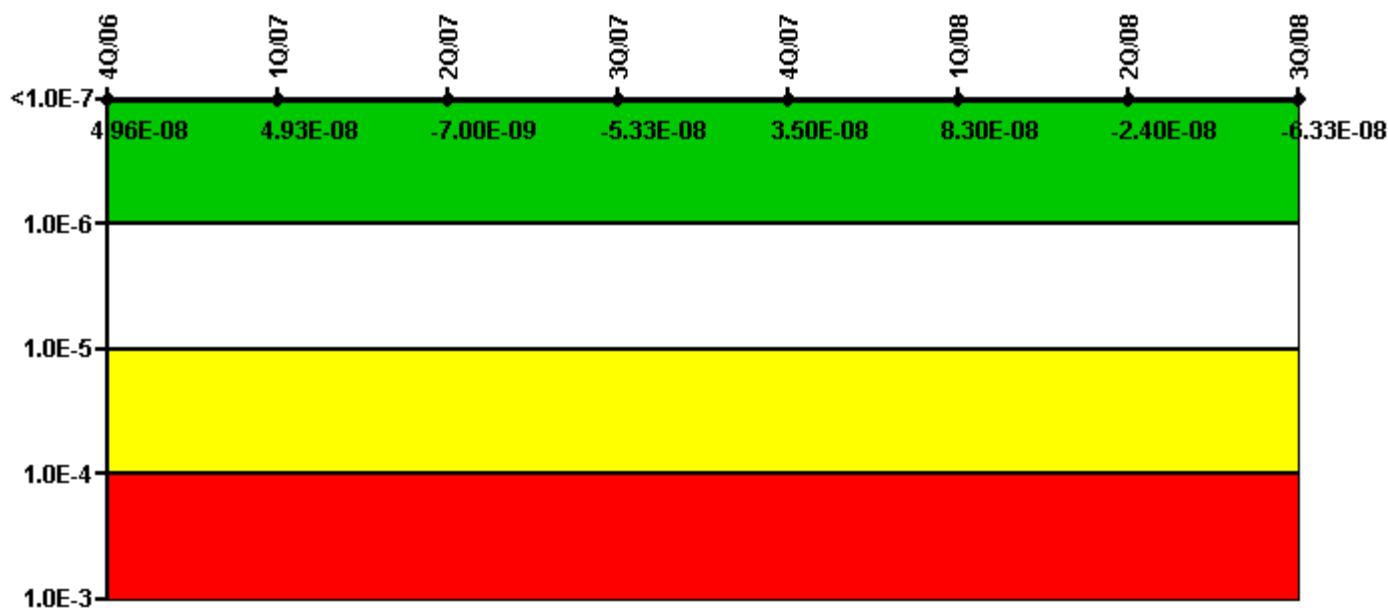
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-1.00E-08	-8.30E-09	-7.70E-09	-7.70E-09	-1.40E-10	2.20E-09	-6.20E-09	-6.70E-09
URI ( $\Delta$ CDF)	-5.60E-08	3.70E-08	3.50E-08	3.00E-08	2.80E-08	6.80E-08	6.80E-08	6.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-6.60E-08</b>	<b>2.87E-08</b>	<b>2.73E-08</b>	<b>2.23E-08</b>	<b>2.79E-08</b>	<b>7.02E-08</b>	<b>6.18E-08</b>	<b>5.83E-08</b>

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## Mitigating Systems Performance Index, Cooling Water Systems



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

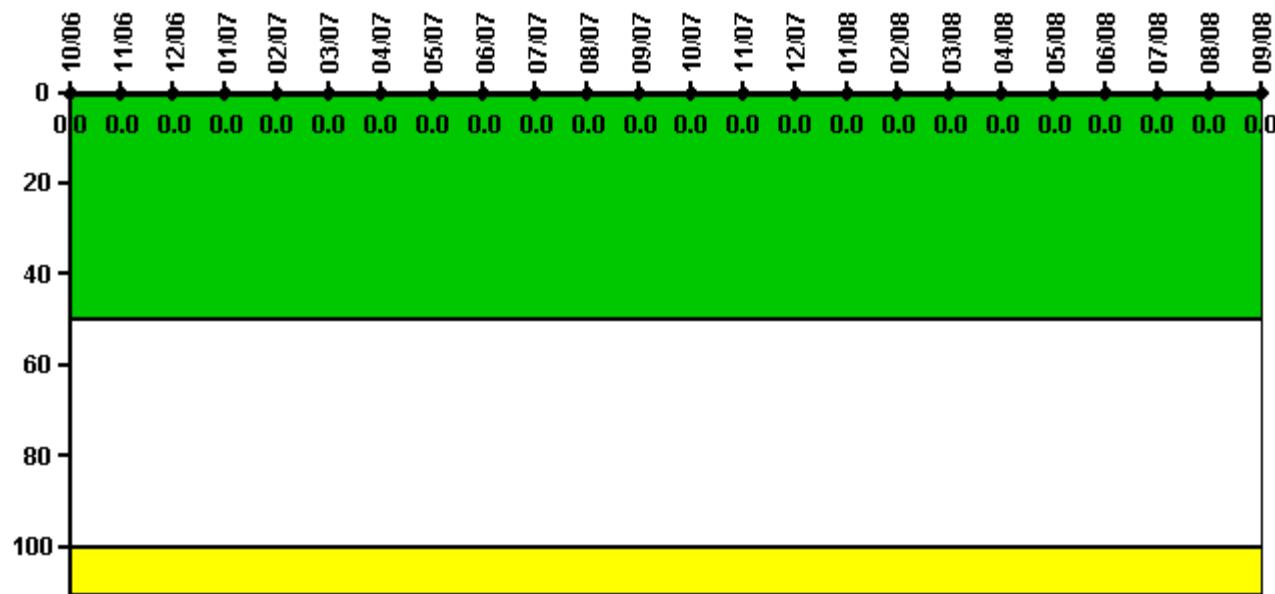
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	4.70E-08	4.20E-08	4.50E-08	-1.30E-09	9.10E-08	1.40E-07	3.80E-08	-1.30E-09
URI ( $\Delta$ CDF)	2.60E-09	7.30E-09	-5.20E-08	-5.20E-08	-5.60E-08	-5.70E-08	-6.20E-08	-6.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>4.96E-08</b>	<b>4.93E-08</b>	<b>-7.00E-09</b>	<b>-5.33E-08</b>	<b>3.50E-08</b>	<b>8.30E-08</b>	<b>-2.40E-08</b>	<b>-6.33E-08</b>

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## Reactor Coolant System Activity



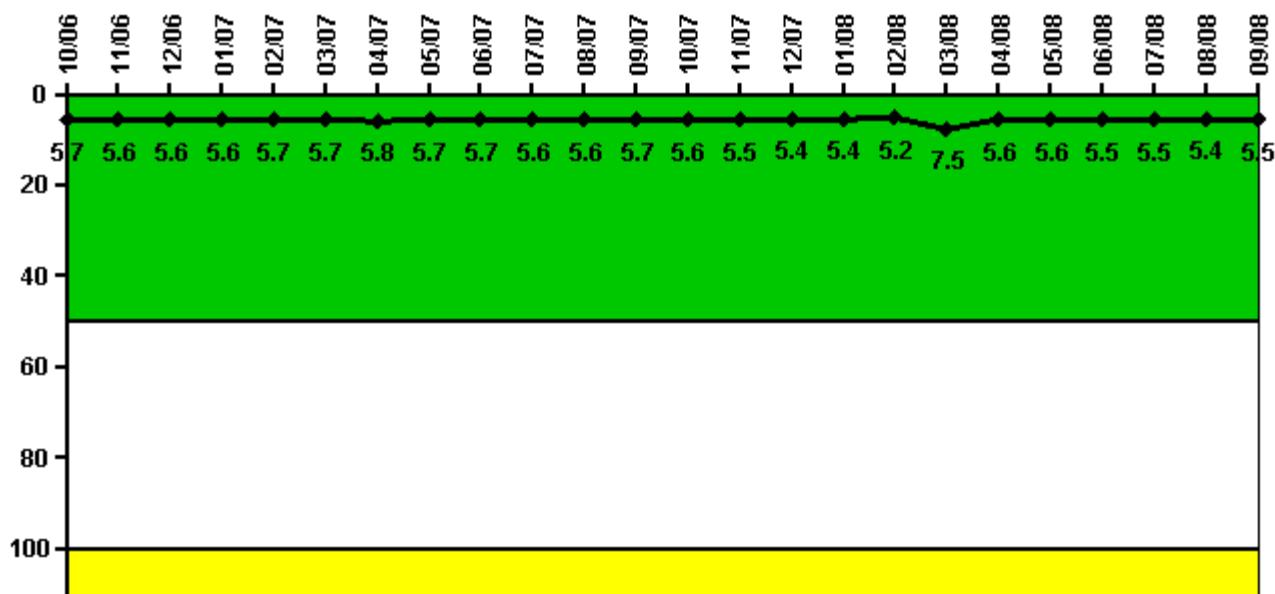
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.000008	0.000008	0.000007	0.000006	0.000006	0.000006	0.000006	0.000005	0.000006	0.000006	0.000005	0.000004
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	0
Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

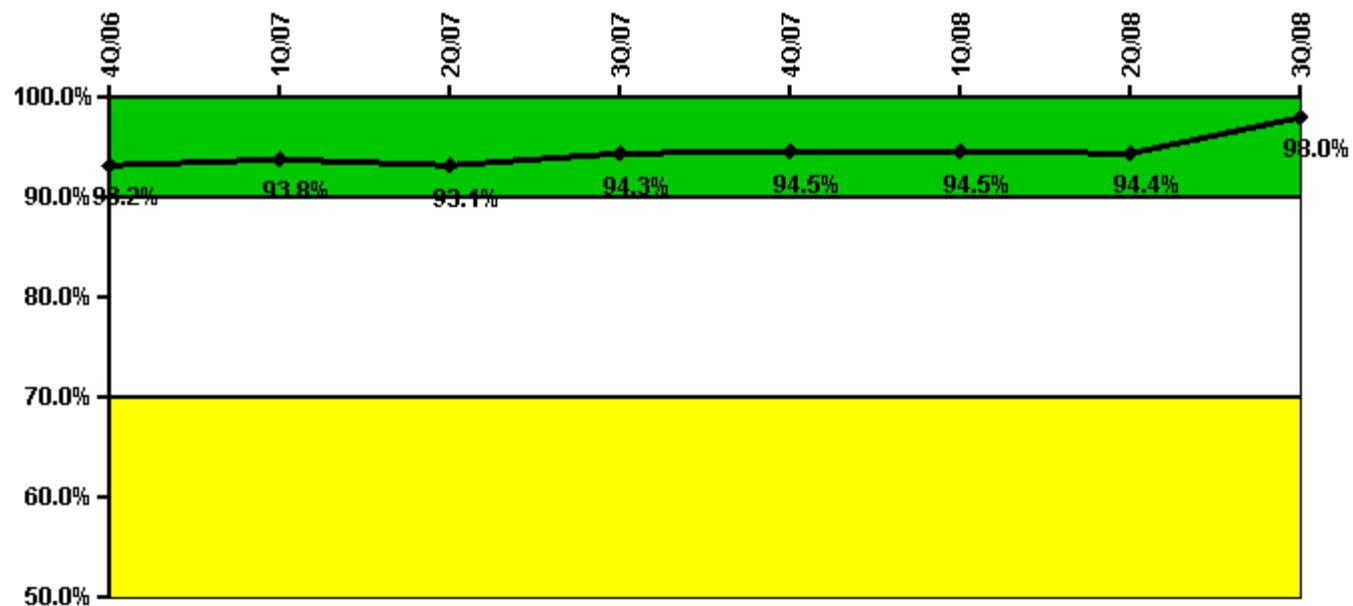
### Notes

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	1.700	1.690	1.680	1.690	1.700	1.710	1.740	1.710	1.710	1.690	1.690	1.700
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	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	1.680	1.650	1.620	1.630	1.550	2.260	1.680	1.670	1.660	1.650	1.610	1.650
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	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>

Licensee Comments: none

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## Drill/Exercise Performance



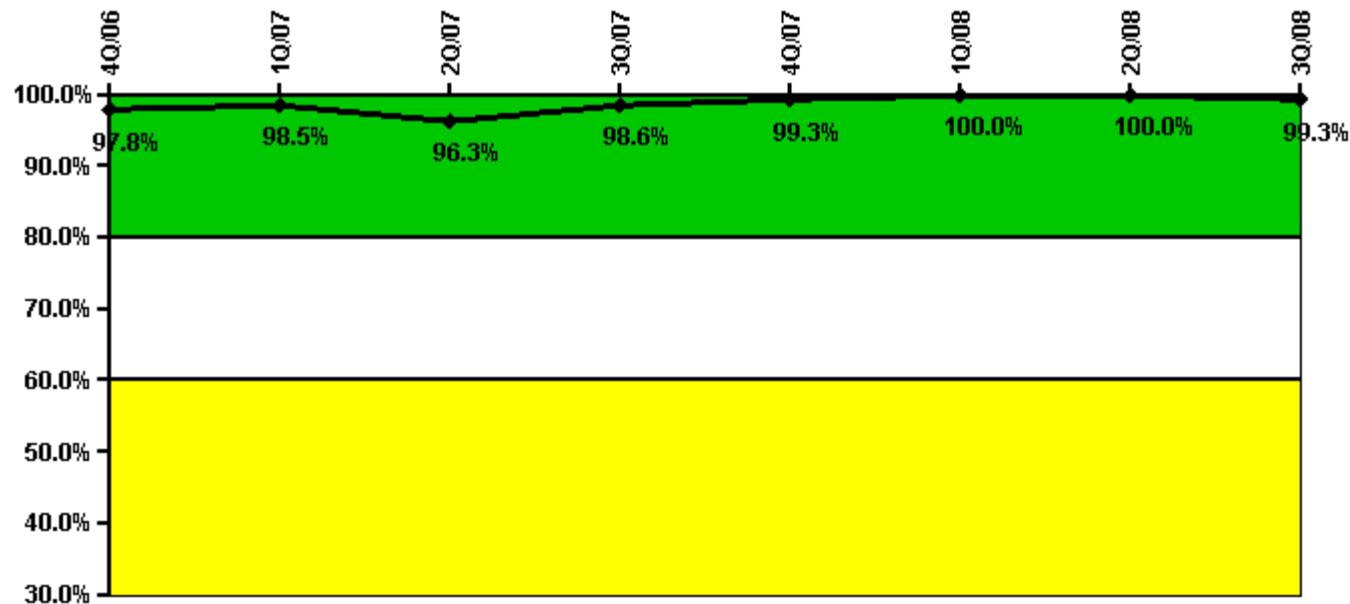
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	24.0	2.0	11.0	72.0	7.0	6.0	30.0	43.0
Total opportunities	24.0	2.0	12.0	73.0	7.0	6.0	32.0	43.0
Indicator value	93.2%	93.8%	93.1%	94.3%	94.5%	94.5%	94.4%	98.0%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	134.0	132.0	130.0	138.0	136.0	137.0	134.0	142.0
Total Key personnel	137.0	134.0	135.0	140.0	137.0	137.0	134.0	143.0
Indicator value	97.8%	98.5%	96.3%	98.6%	99.3%	100.0%	100.0%	99.3%

Licensee Comments: none

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## **Alert & Notification System**

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

### **Notes**

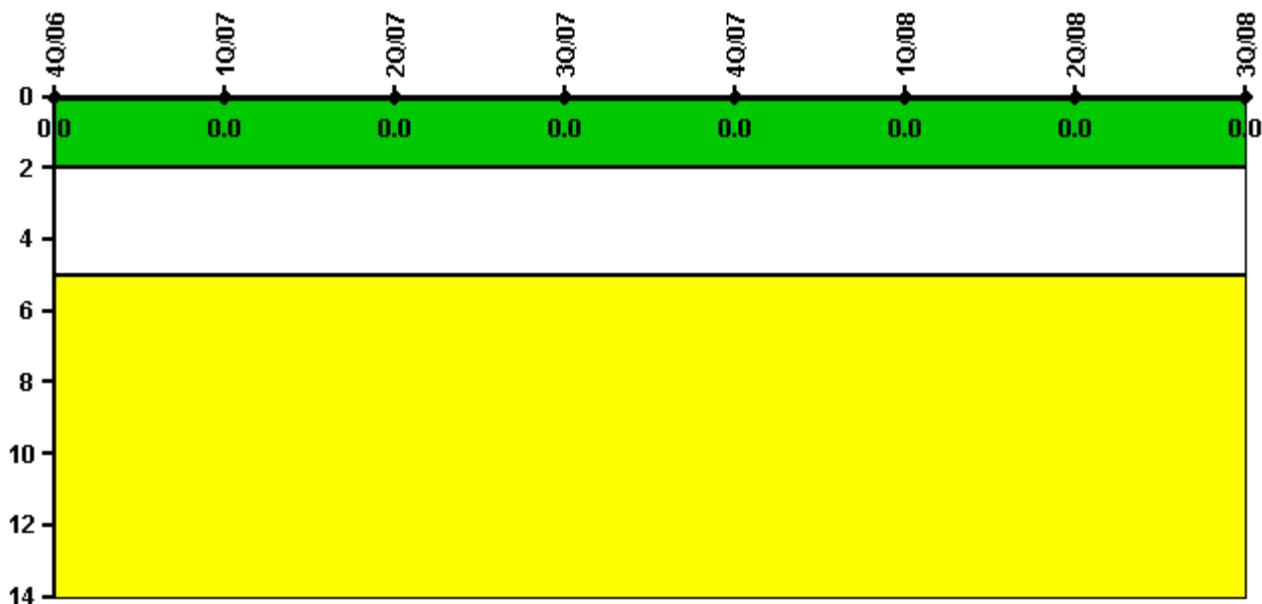
<b>Alert &amp; Notification System</b>	<b>4Q/06</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

3Q/08: Plant Hatch does not use sirens as an emergency notification system.

---

## Occupational Exposure Control Effectiveness



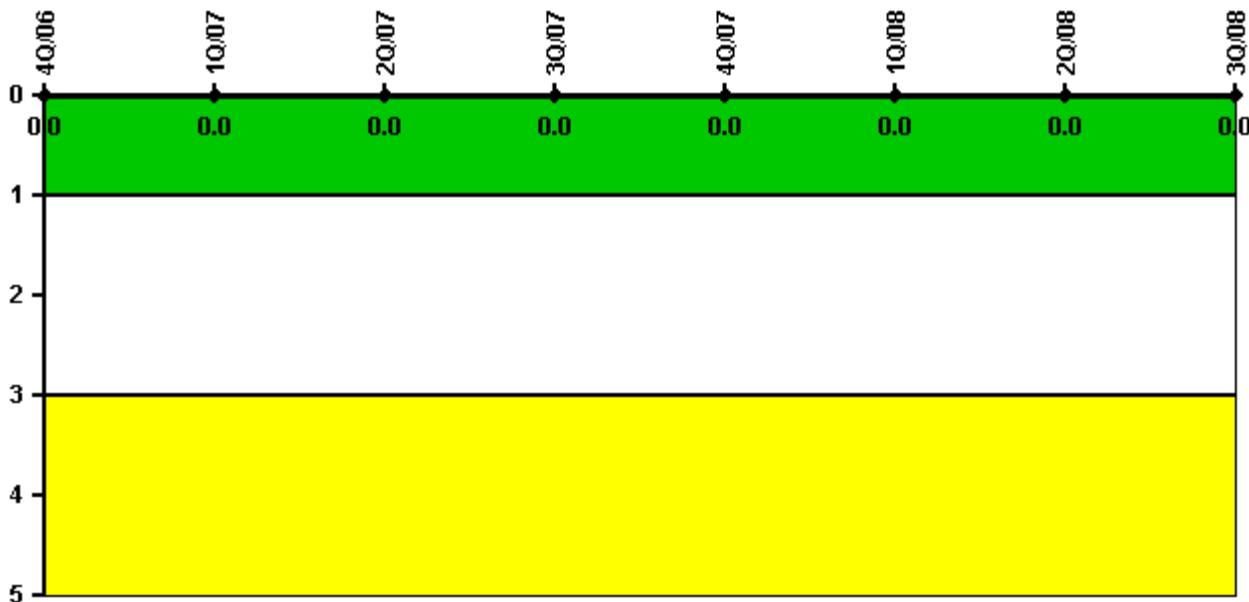
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
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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[Security](#) information not publicly available.

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

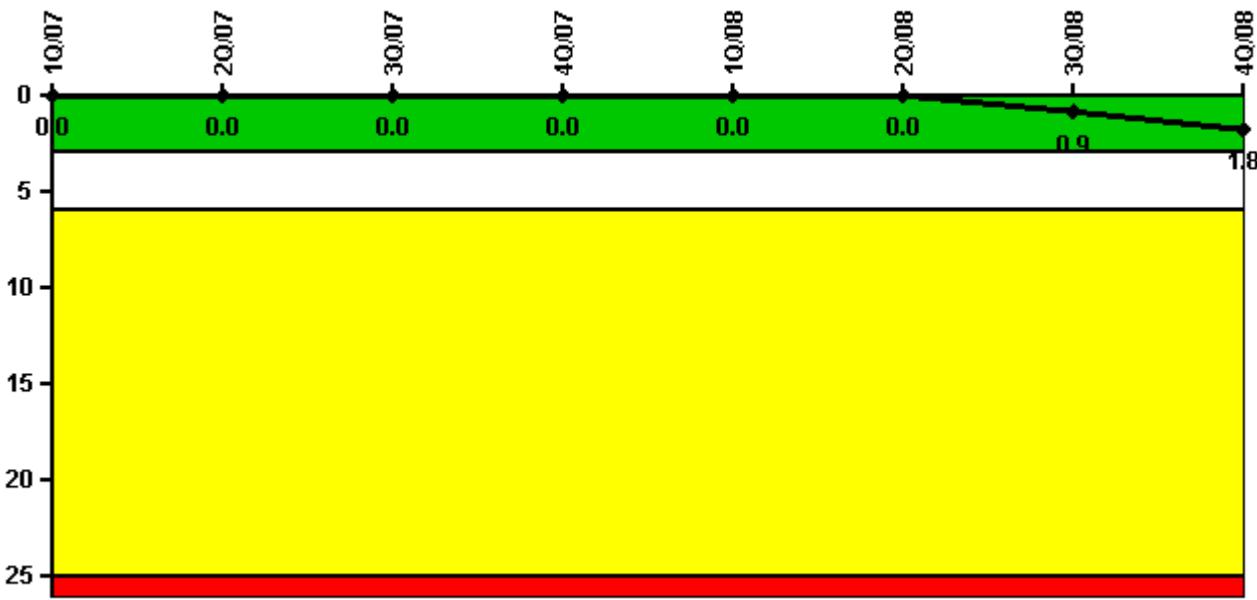
Last Modified: November 26, 2008

# Hatch 1

## 4Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

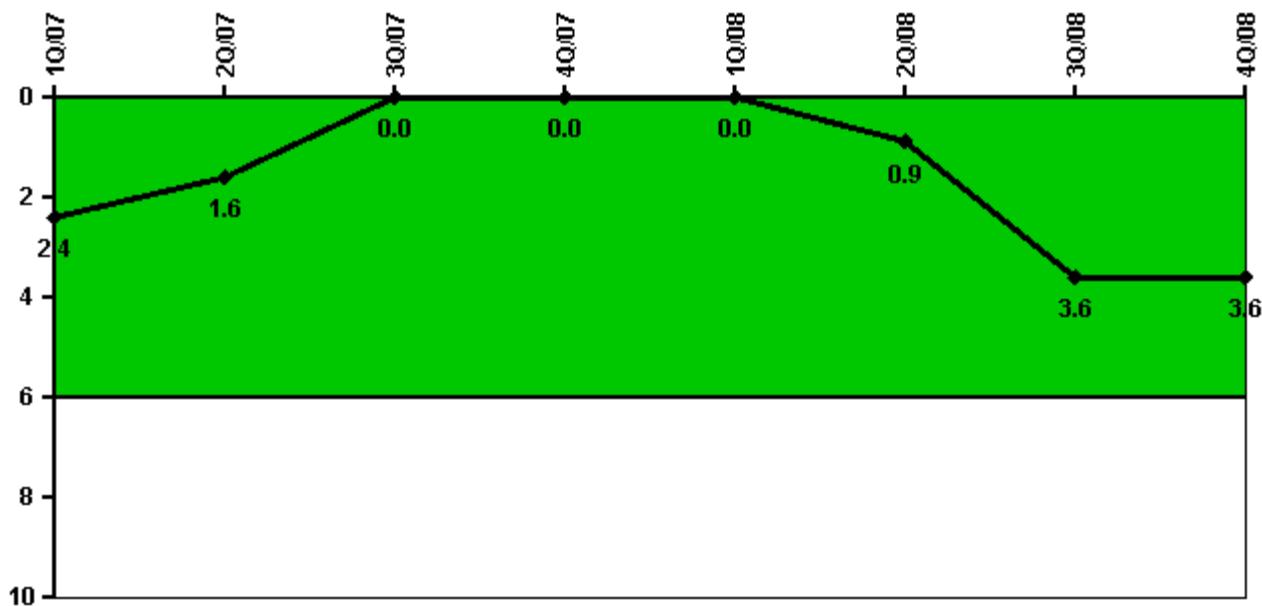
### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0
Indicator value	0	0	0	0	0	0	0.9	1.8

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

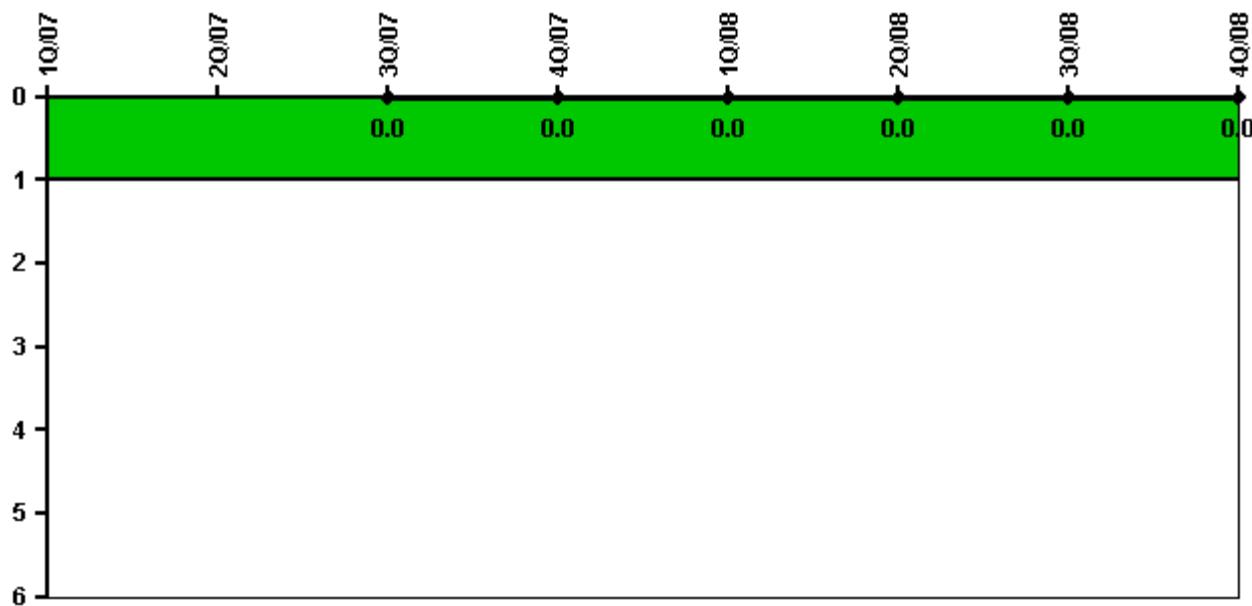
### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	1.0	3.0	0
Critical hours	2045.1	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0
Indicator value	2.4	1.6	0	0	0	0.9	3.6	3.6

Licensee Comments: none

---

## Unplanned Scrams with Complications



Thresholds: White > 1.0

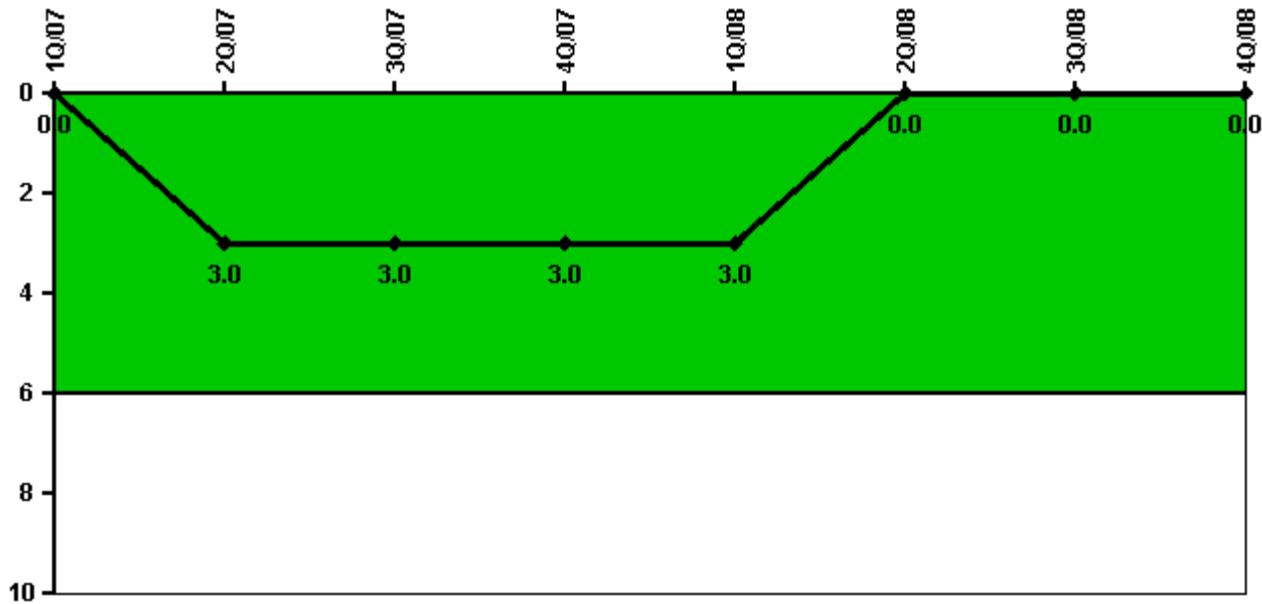
### Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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

Licensee Comments: none

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## Safety System Functional Failures (BWR)



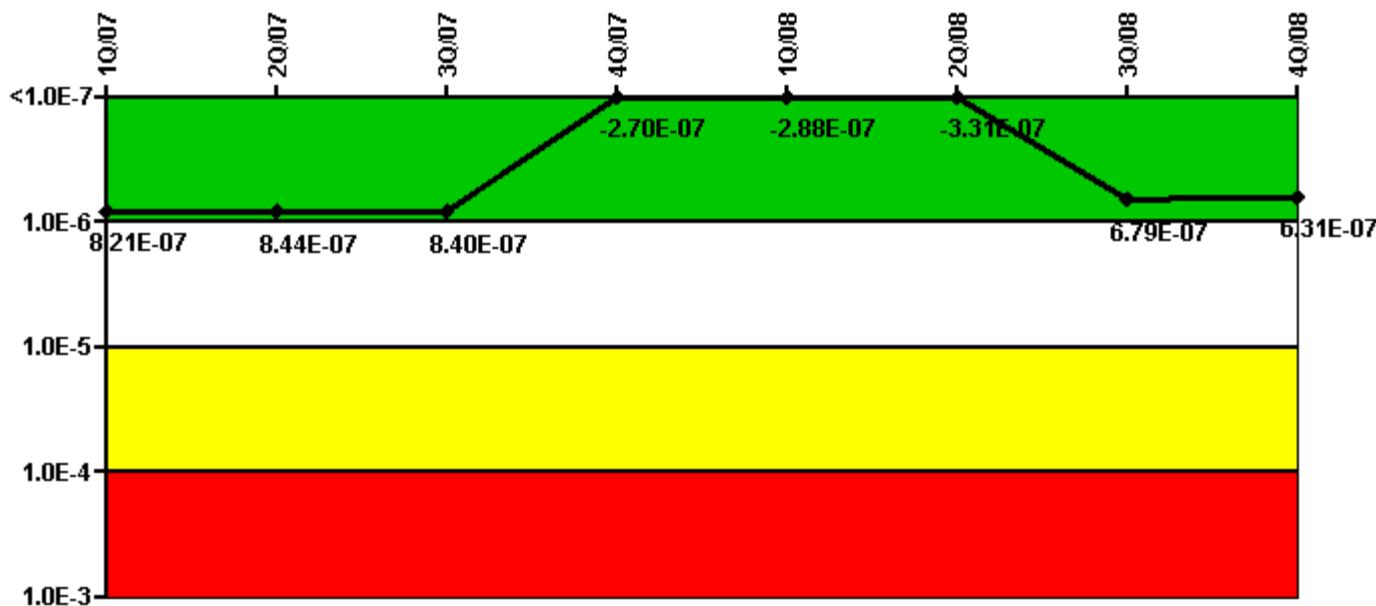
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	3	0	0	0	0	0	0
Indicator value	<b>0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Emergency AC Power System



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

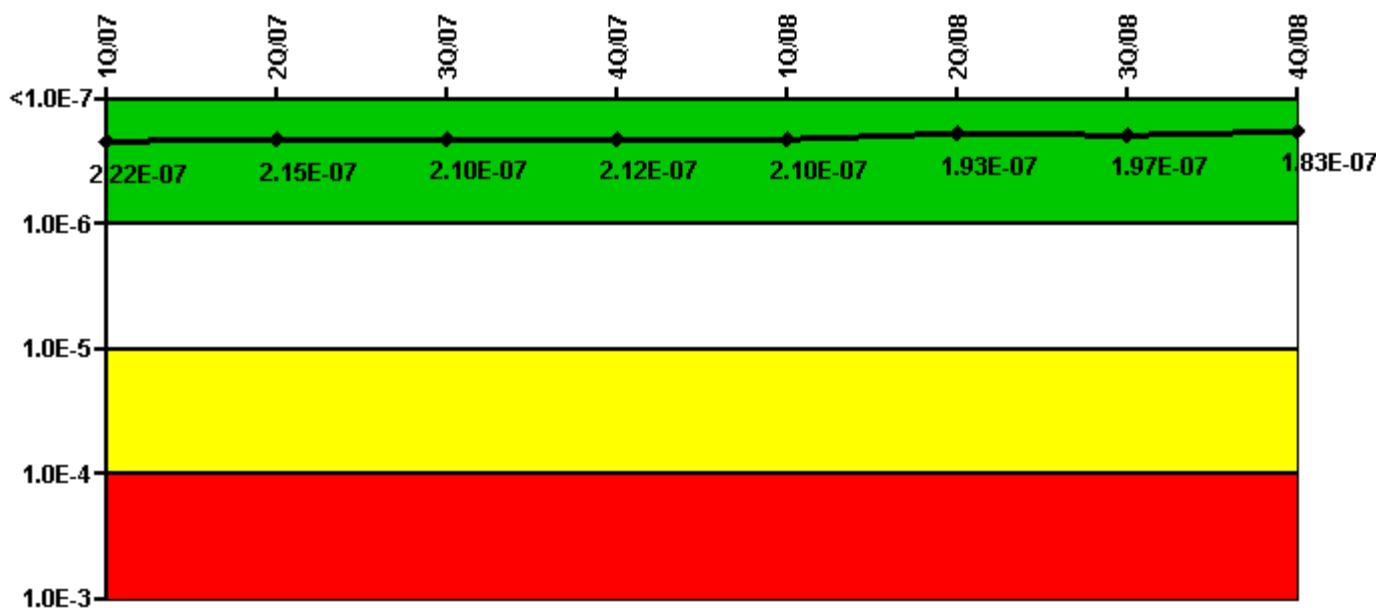
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.10E-08	1.40E-08	9.70E-09	-2.00E-08	-1.80E-08	8.80E-09	3.90E-08	3.10E-08
URI (ΔCDF)	8.10E-07	8.30E-07	8.30E-07	-2.50E-07	-2.70E-07	-3.40E-07	6.40E-07	6.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>8.21E-07</b>	<b>8.44E-07</b>	<b>8.40E-07</b>	<b>-2.70E-07</b>	<b>-2.88E-07</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>

### Licensee Comments:

3Q/08: B diesel was secured during testing due to vibration concerns. Engineering evaluation is in progress to determine if the component would have continued to operate for the mission time starting from the time the component was secured. 1C diesel coupling was found degraded and an engineering evaluation is in progress to determine the impact of the degraded condition on the monitored function. Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.  
 \*\*\*Update, B EDG condition was determined to count as a diesel run failure. 1C EDG condition was determined not to count.

## Mitigating Systems Performance Index, High Pressure Injection System



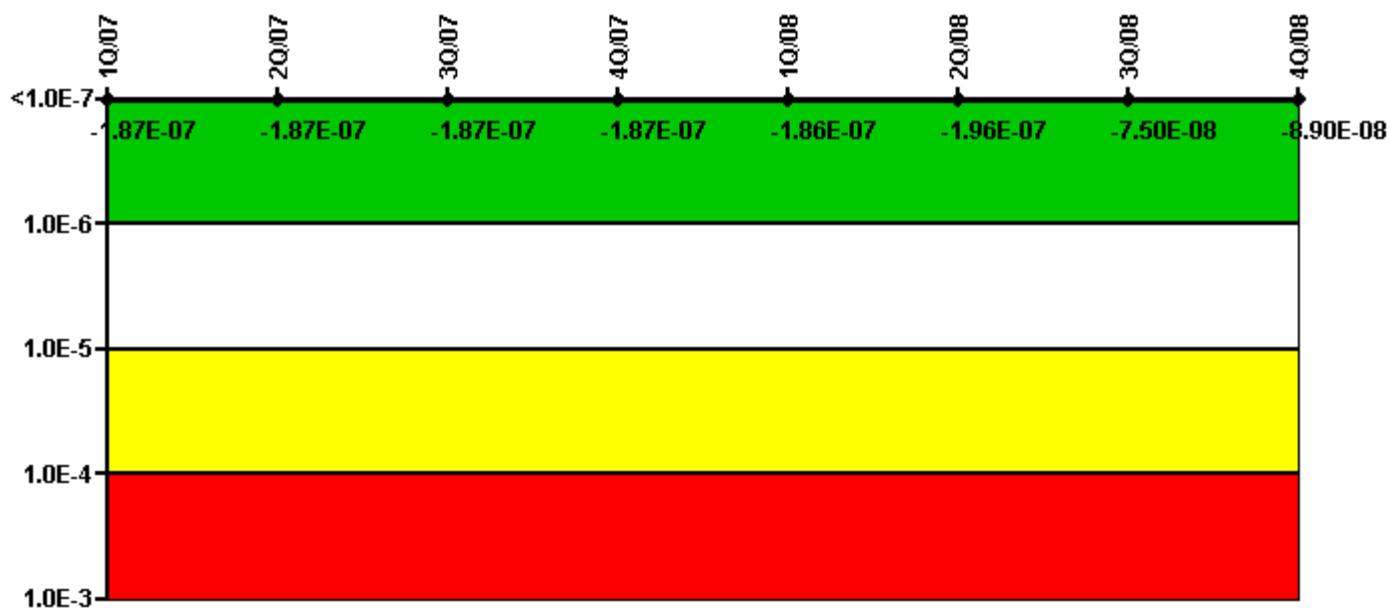
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	6.20E-08	6.50E-08	7.00E-08	7.20E-08	9.00E-08	7.30E-08	7.70E-08	7.30E-08
URI (ΔCDF)	1.60E-07	1.50E-07	1.40E-07	1.40E-07	1.20E-07	1.20E-07	1.20E-07	1.10E-07
PLE	NO							
Indicator value	2.22E-07	2.15E-07	2.10E-07	2.12E-07	2.10E-07	1.93E-07	1.97E-07	1.83E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



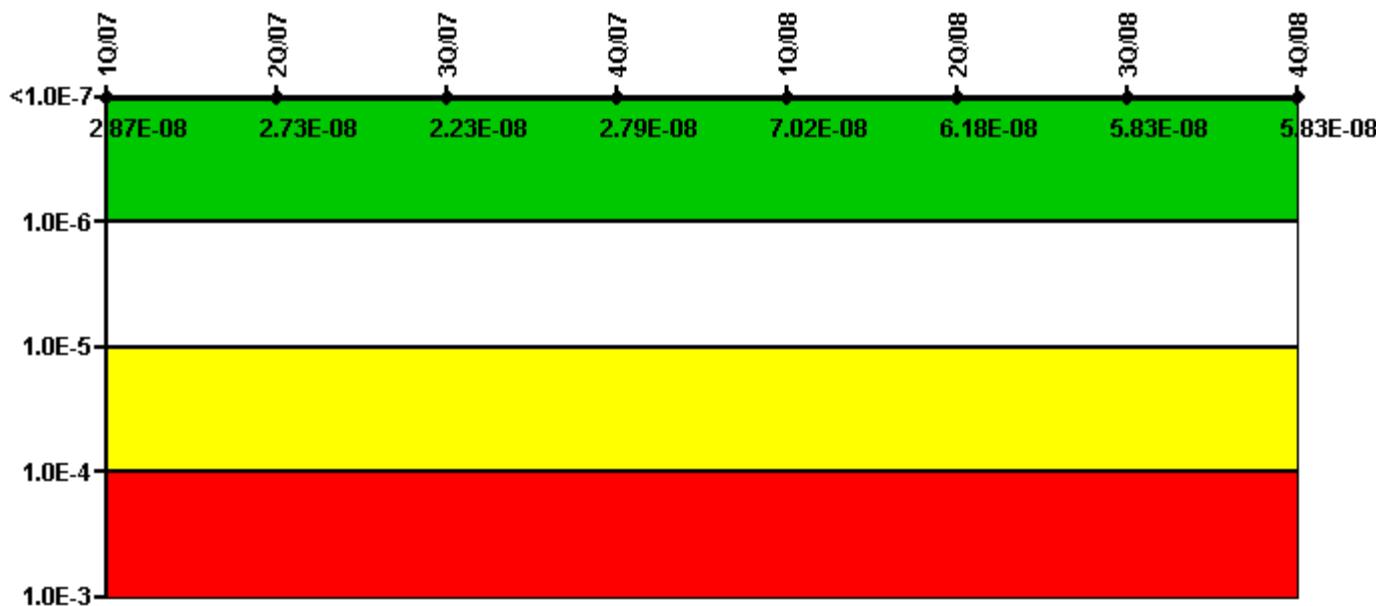
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.60E-08	-5.60E-08	6.50E-08	6.10E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07
PLE	NO							
Indicator value	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.86E-07</b>	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



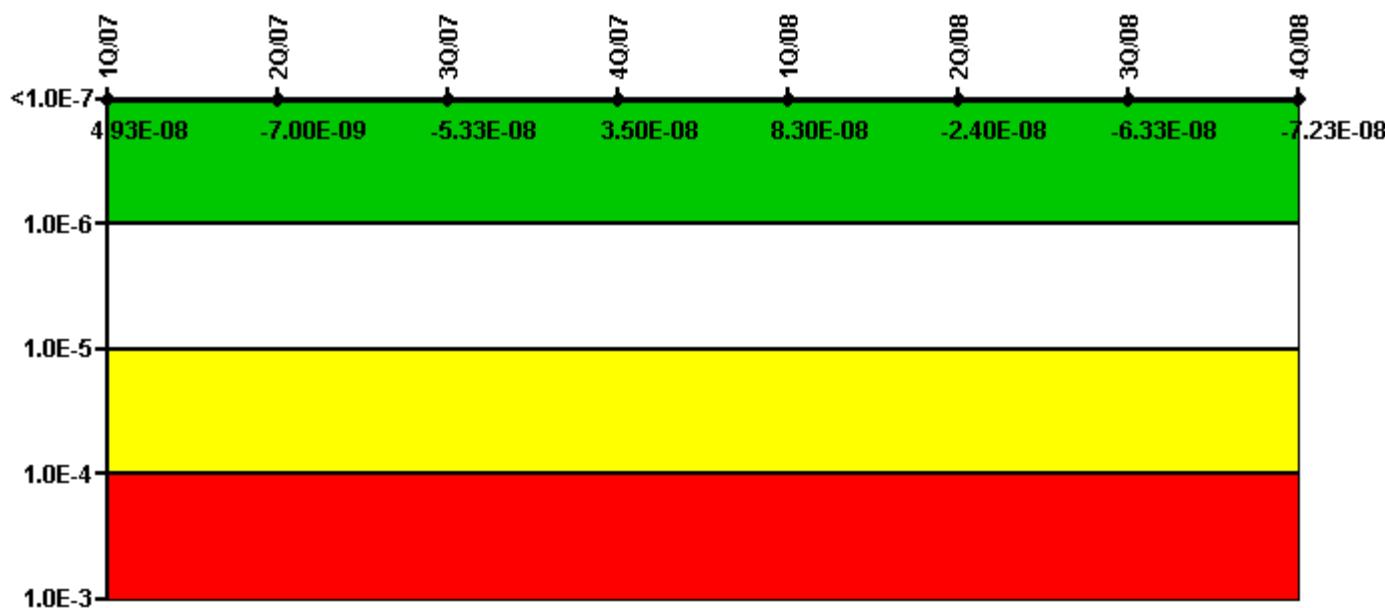
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI ( $\Delta$ CDF)	-8.30E-09	-7.70E-09	-7.70E-09	-1.40E-10	2.20E-09	-6.20E-09	-6.70E-09	-7.70E-09
URI ( $\Delta$ CDF)	3.70E-08	3.50E-08	3.00E-08	2.80E-08	6.80E-08	6.80E-08	6.50E-08	6.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.87E-08	2.73E-08	2.23E-08	2.79E-08	7.02E-08	6.18E-08	5.83E-08	5.83E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



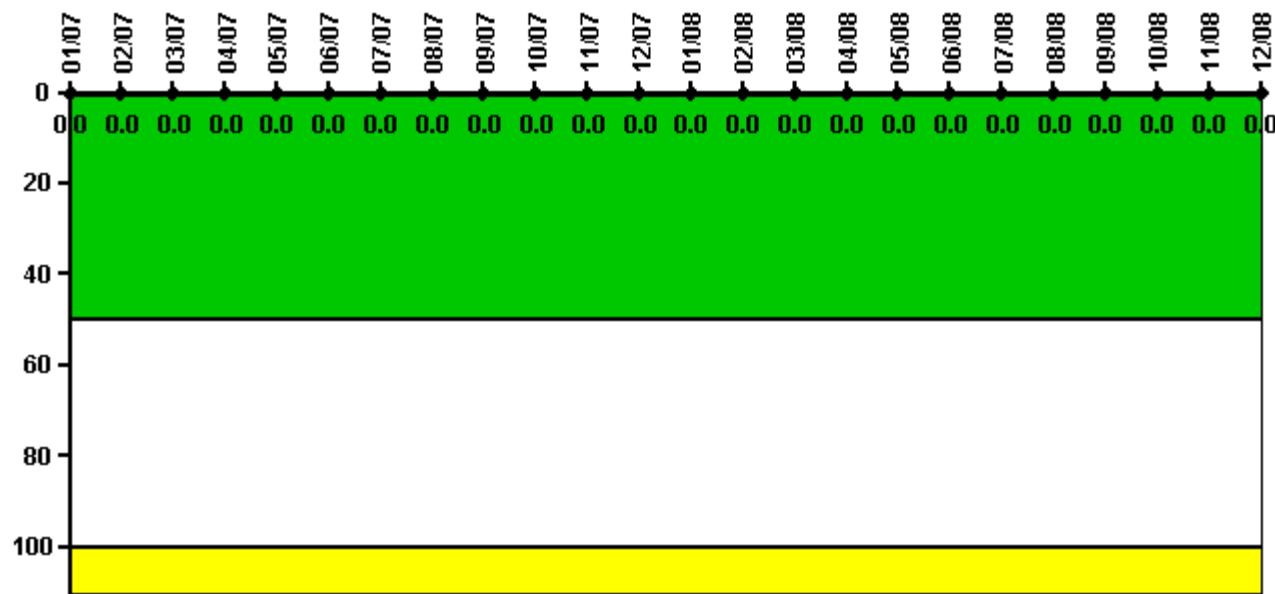
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI ( $\Delta$ CDF)	4.20E-08	4.50E-08	-1.30E-09	9.10E-08	1.40E-07	3.80E-08	-1.30E-09	-1.30E-09
URI ( $\Delta$ CDF)	7.30E-09	-5.20E-08	-5.20E-08	-5.60E-08	-5.70E-08	-6.20E-08	-6.20E-08	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.93E-08	-7.00E-09	-5.33E-08	3.50E-08	8.30E-08	-2.40E-08	-6.33E-08	-7.23E-08

Licensee Comments: none

## Reactor Coolant System Activity



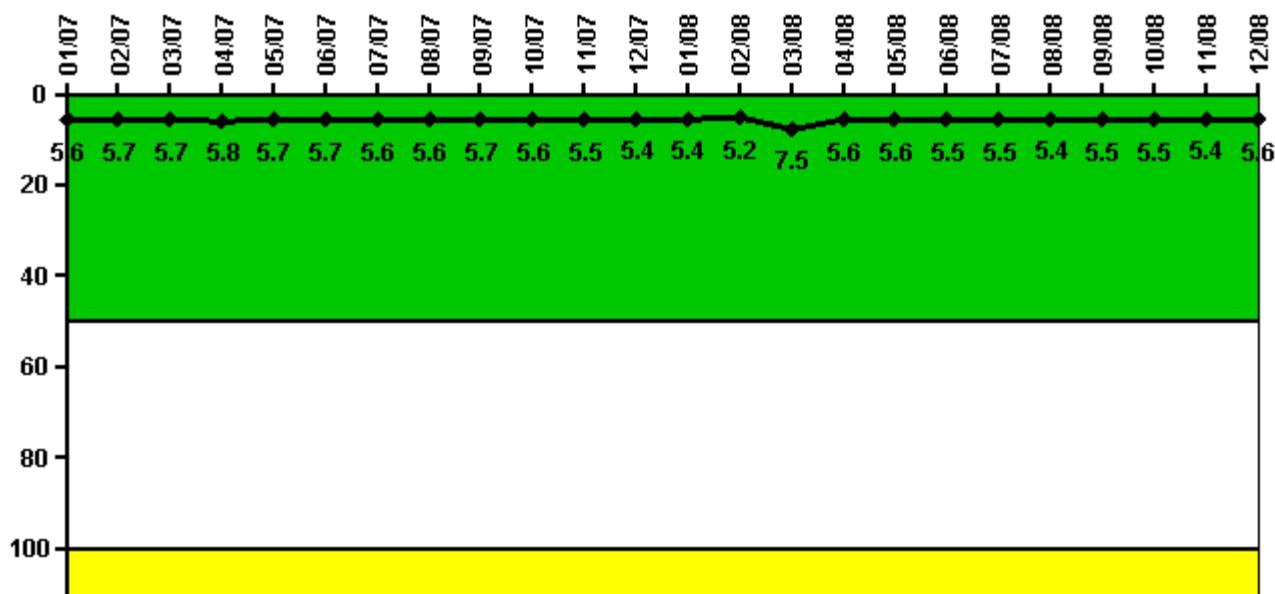
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.000006	0.000006	0.000006	0.000006	0.000005	0.000006	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005
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	0
Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



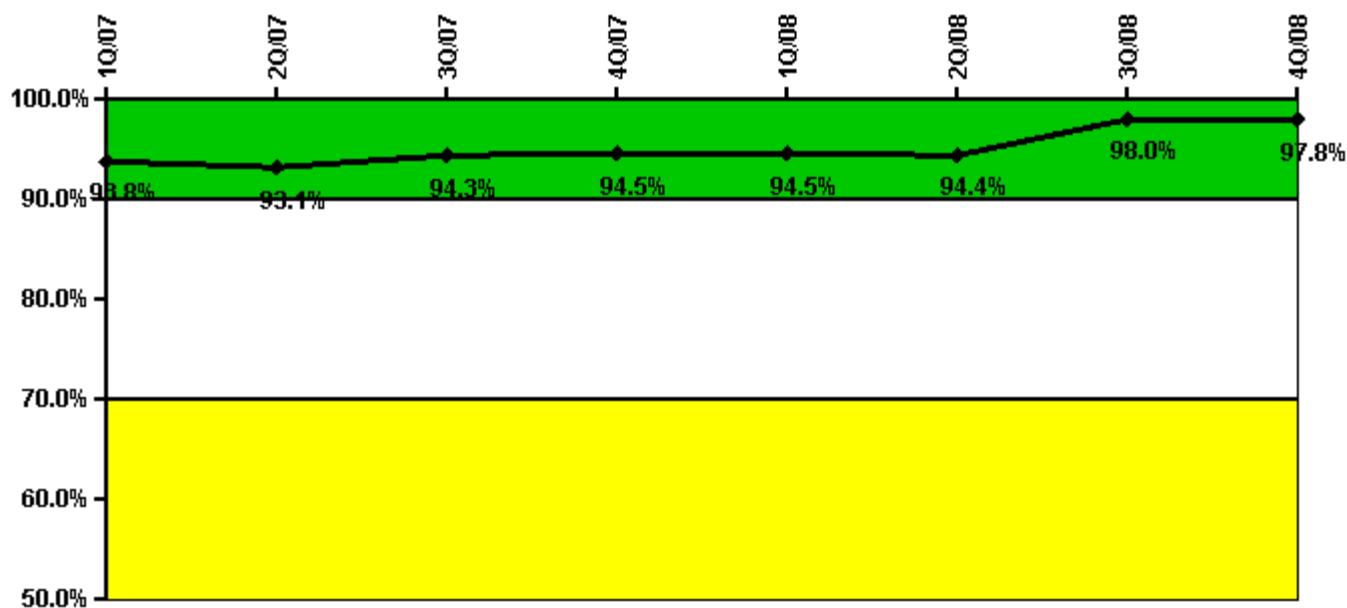
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	1.690	1.700	1.710	1.740	1.710	1.710	1.690	1.690	1.700	1.680	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
<b>Indicator value</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.630	1.550	2.260	1.680	1.670	1.660	1.650	1.610	1.650	1.640	1.630	1.670
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
<b>Indicator value</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

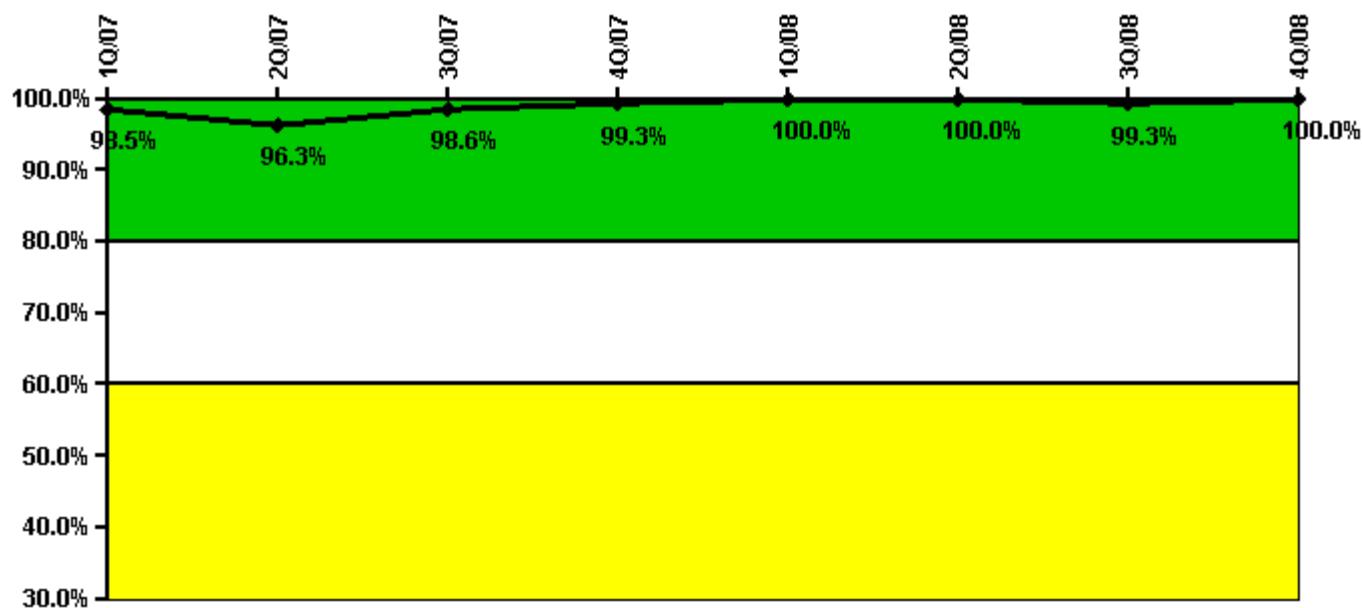
### Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	2.0	11.0	72.0	7.0	6.0	30.0	43.0	8.0
Total opportunities	2.0	12.0	73.0	7.0	6.0	32.0	43.0	8.0
Indicator value	93.8%	93.1%	94.3%	94.5%	94.5%	94.4%	98.0%	97.8%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	132.0	130.0	138.0	136.0	137.0	134.0	142.0	148.0
Total Key personnel	134.0	135.0	140.0	137.0	137.0	134.0	143.0	148.0
Indicator value	98.5%	96.3%	98.6%	99.3%	100.0%	100.0%	99.3%	100.0%

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/07</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

4Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



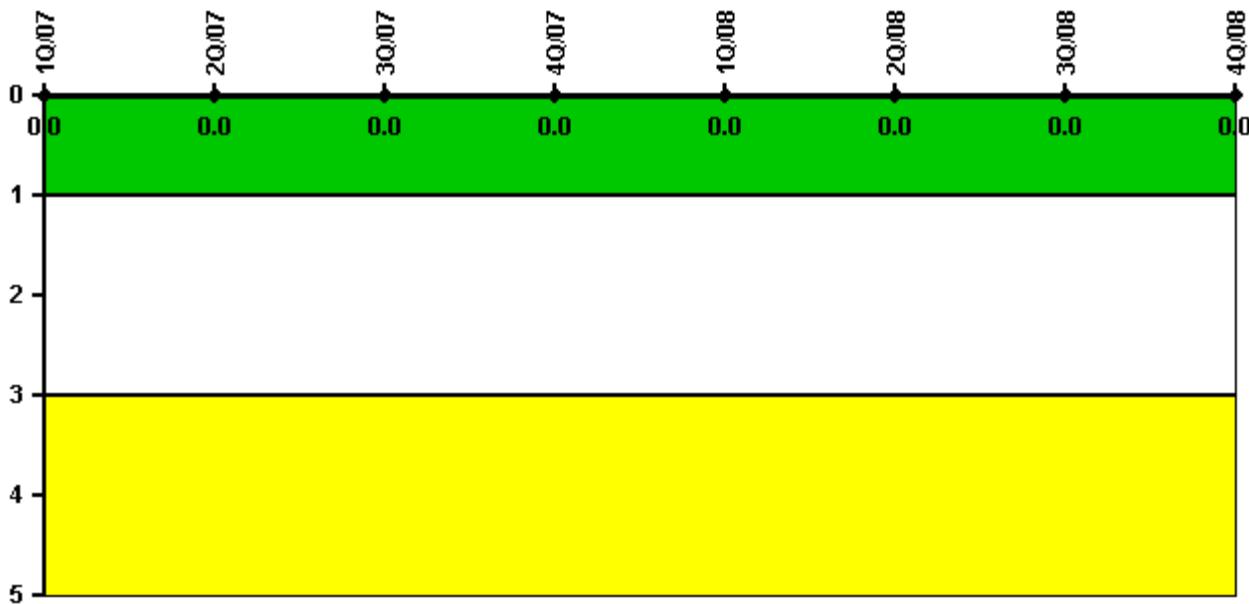
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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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[Security](#) information not publicly available.

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

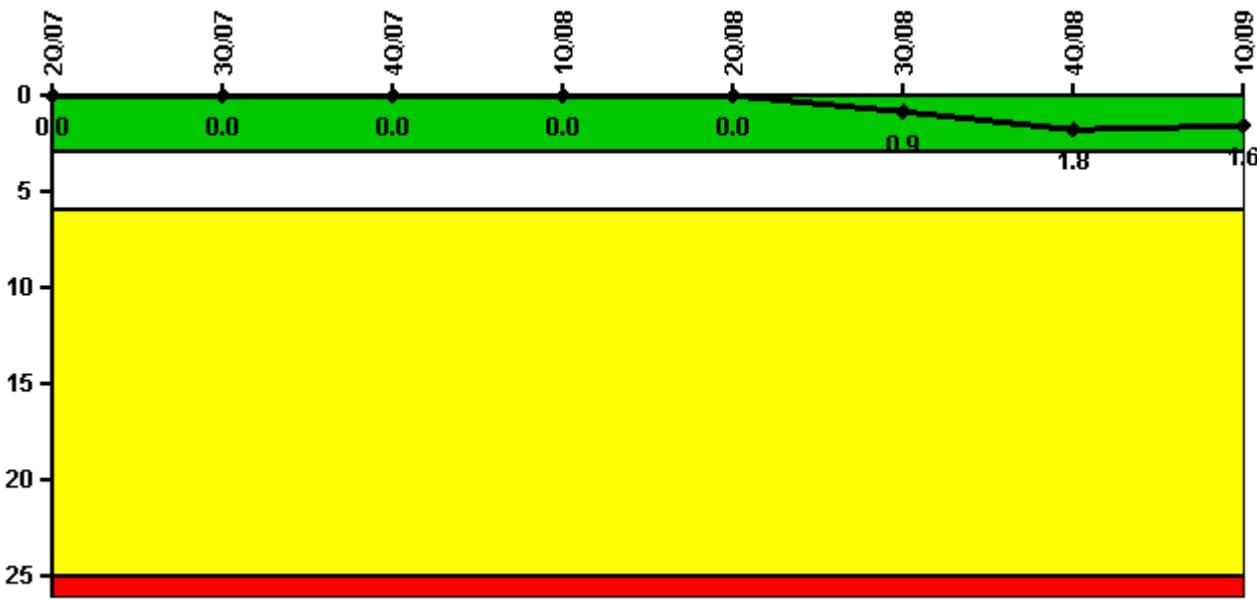
Last Modified: February 4, 2009

# Hatch 1

## 1Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

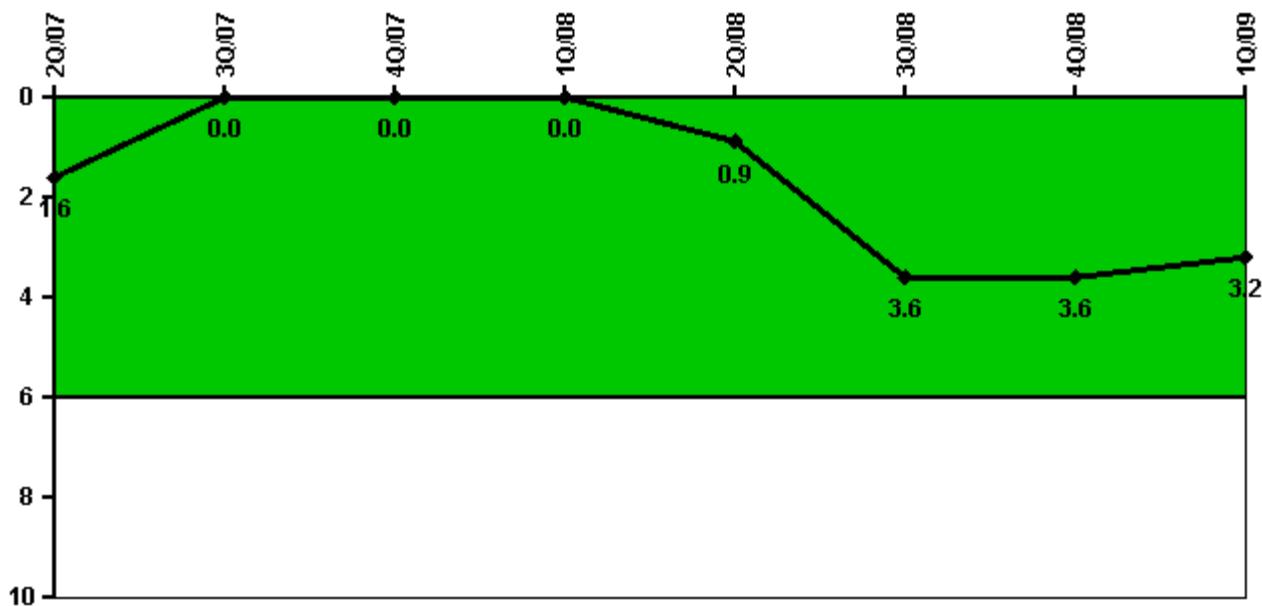
### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	1.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0
Indicator value	0	0	0	0	0	0.9	1.8	1.6

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

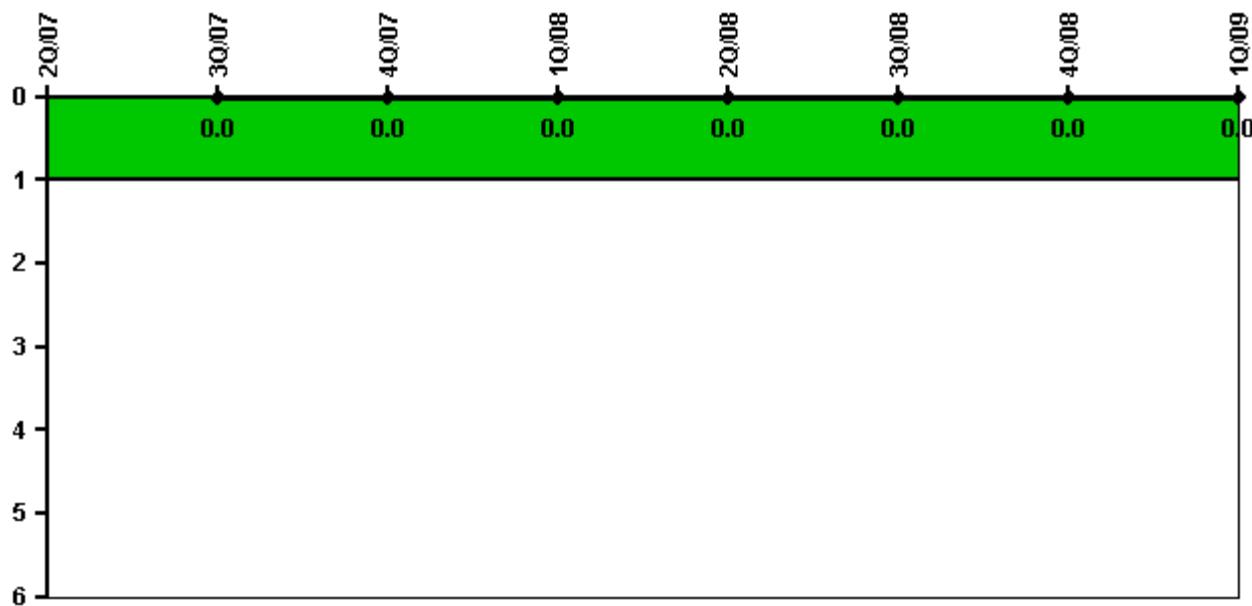
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	1.0	3.0	0	0
Critical hours	2184.0	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0
Indicator value	1.6	0	0	0	0.9	3.6	3.6	3.2

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

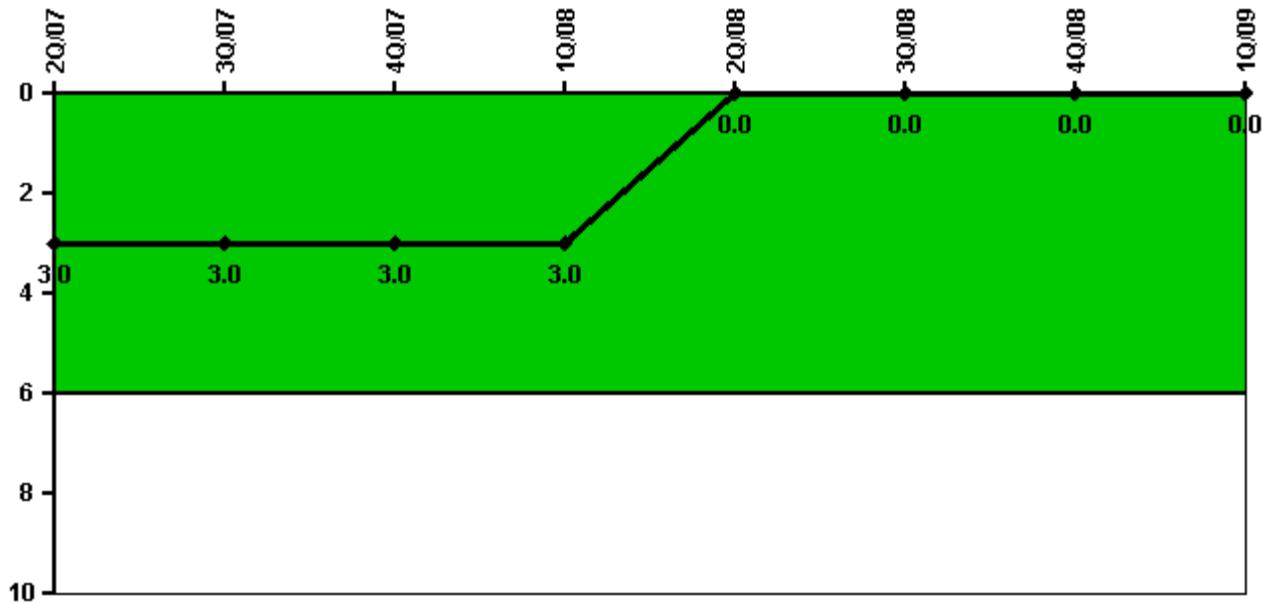
### Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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

Licensee Comments: none

---

## Safety System Functional Failures (BWR)



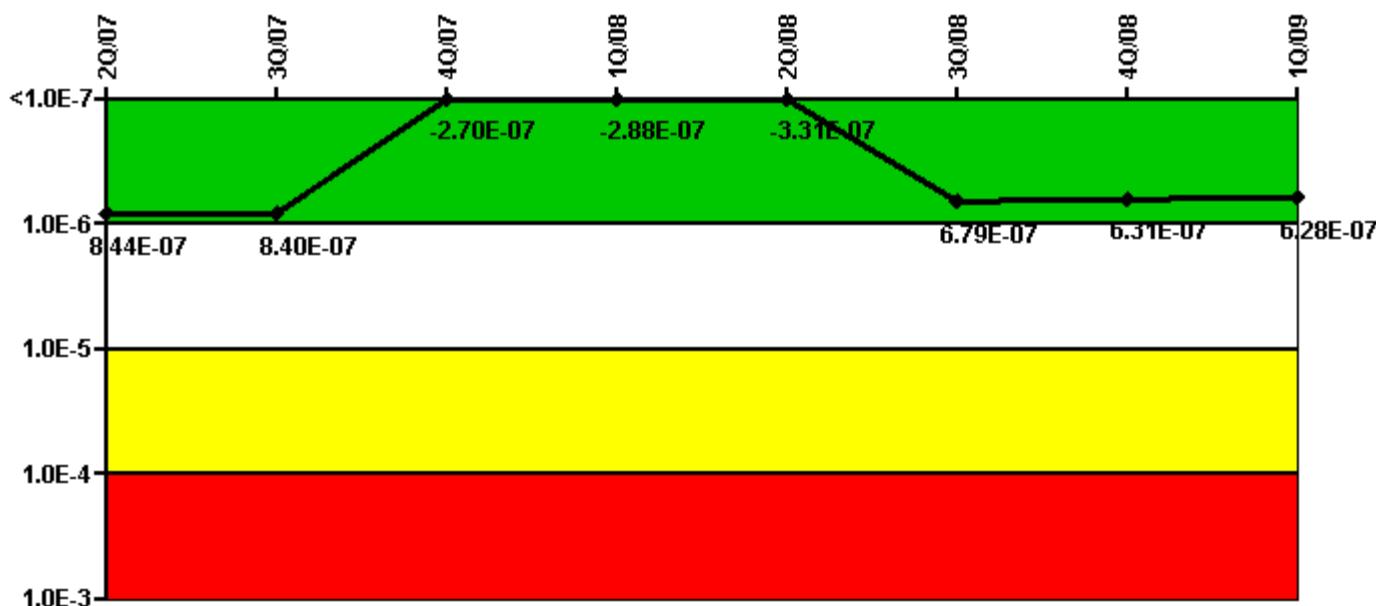
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	3	0	0	0	0	0	0	0
Indicator value	3	3	3	3	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

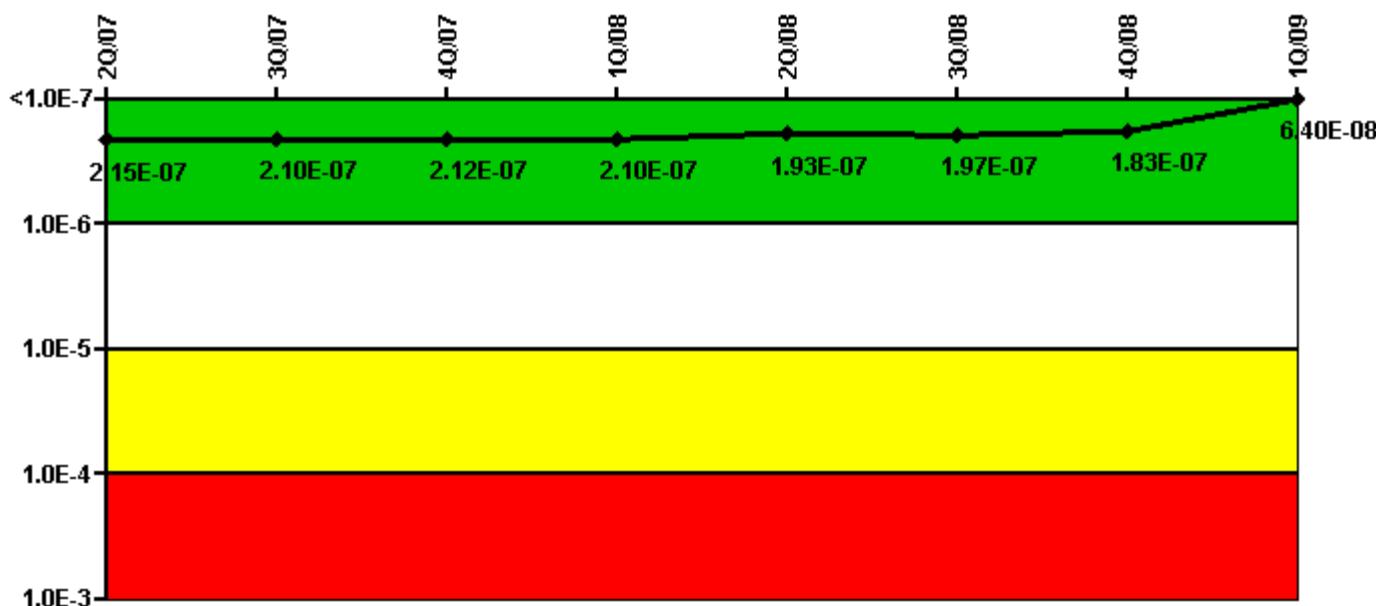
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	1.40E-08	9.70E-09	-2.00E-08	-1.80E-08	8.80E-09	3.90E-08	3.10E-08	2.80E-08
URI ( $\Delta$ CDF)	8.30E-07	8.30E-07	-2.50E-07	-2.70E-07	-3.40E-07	6.40E-07	6.00E-07	6.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>8.44E-07</b>	<b>8.40E-07</b>	<b>-2.70E-07</b>	<b>-2.88E-07</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Mitigating Systems Performance Index, High Pressure Injection System



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

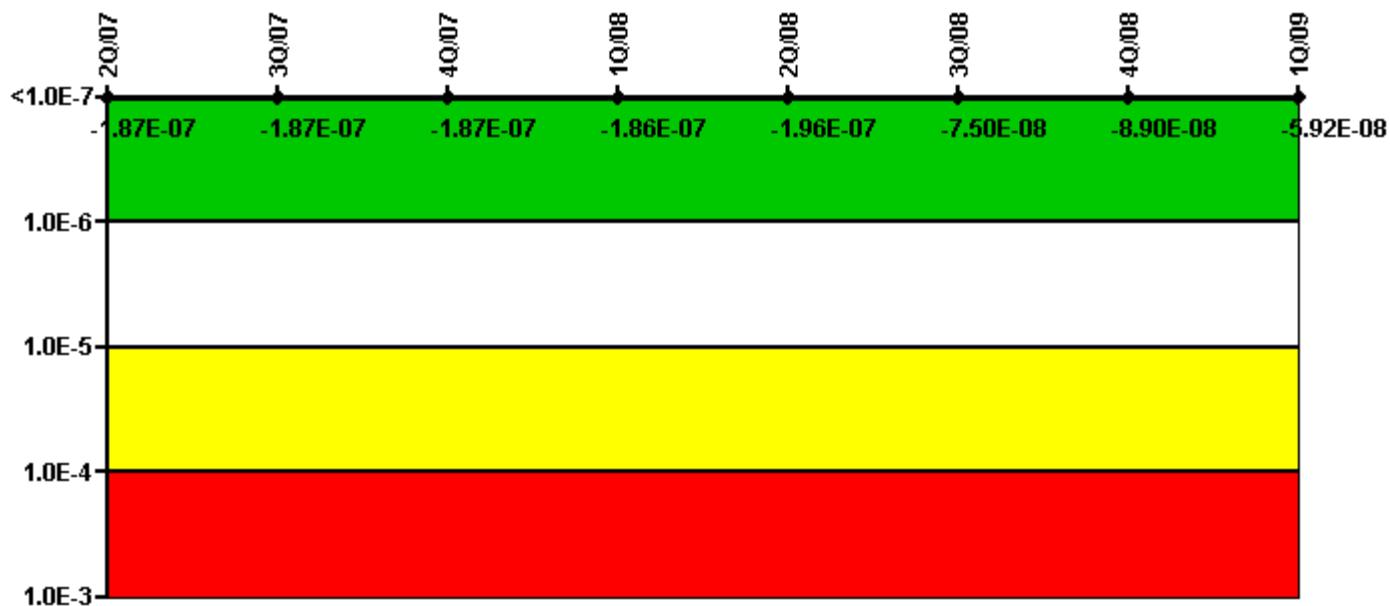
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	6.50E-08	7.00E-08	7.20E-08	9.00E-08	7.30E-08	7.70E-08	7.30E-08	2.00E-08
URI (ΔCDF)	1.50E-07	1.40E-07	1.40E-07	1.20E-07	1.20E-07	1.20E-07	1.10E-07	4.40E-08
PLE	NO							
Indicator value	<b>2.15E-07</b>	<b>2.10E-07</b>	<b>2.12E-07</b>	<b>2.10E-07</b>	<b>1.93E-07</b>	<b>1.97E-07</b>	<b>1.83E-07</b>	<b>6.40E-08</b>

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Mitigating Systems Performance Index, Heat Removal System



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

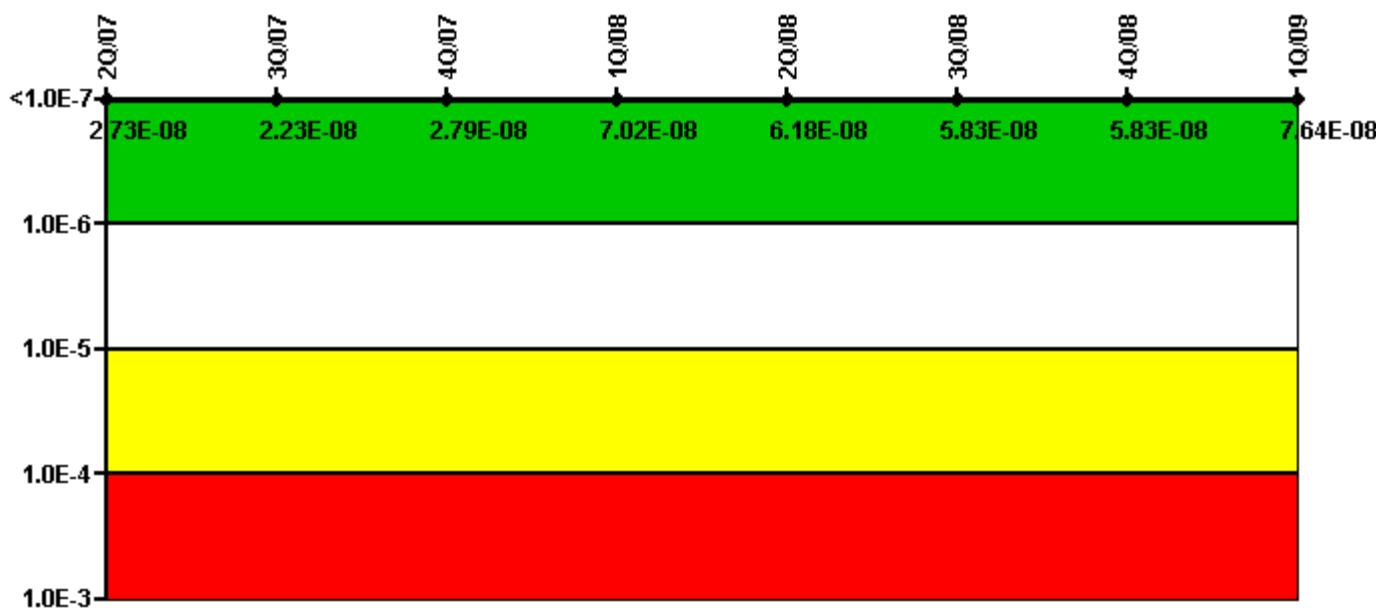
### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.60E-08	-5.60E-08	6.50E-08	6.10E-08	7.80E-09
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07	-6.70E-08
PLE	NO							
Indicator value	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.86E-07</b>	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.92E-08</b>

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

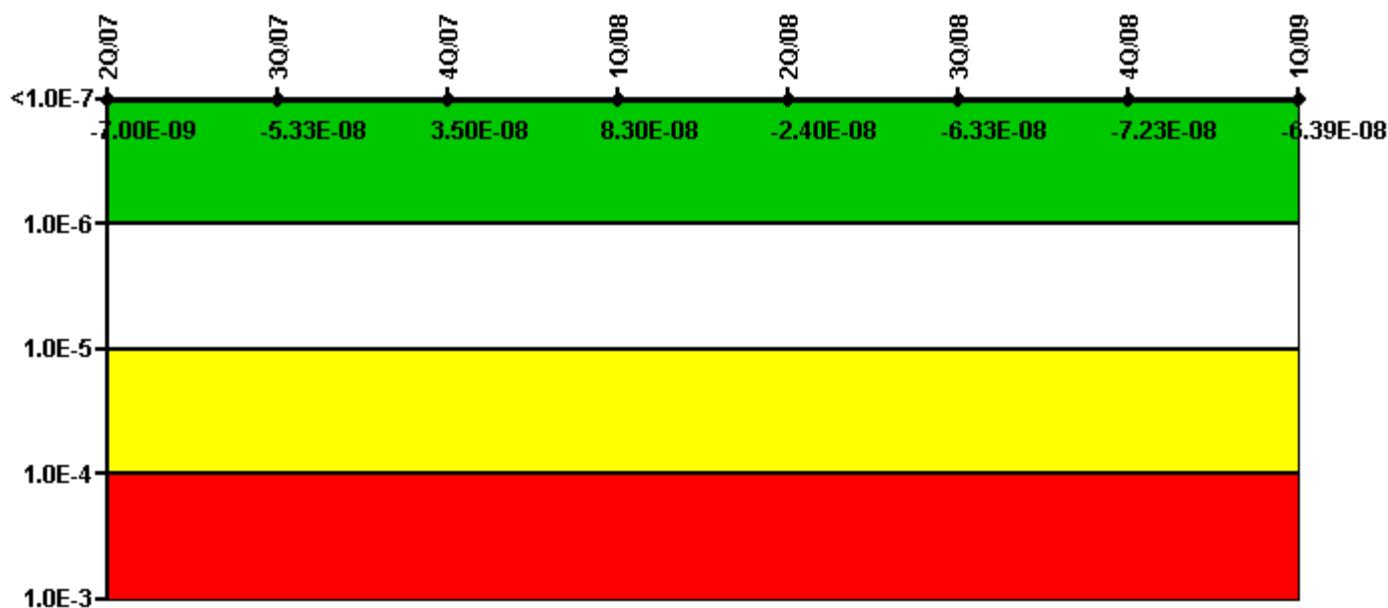
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	-7.70E-09	-7.70E-09	-1.40E-10	2.20E-09	-6.20E-09	-6.70E-09	-7.70E-09	-8.60E-09
URI ( $\Delta$ CDF)	3.50E-08	3.00E-08	2.80E-08	6.80E-08	6.80E-08	6.50E-08	6.60E-08	8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.73E-08	2.23E-08	2.79E-08	7.02E-08	6.18E-08	5.83E-08	5.83E-08	7.64E-08

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Mitigating Systems Performance Index, Cooling Water Systems



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

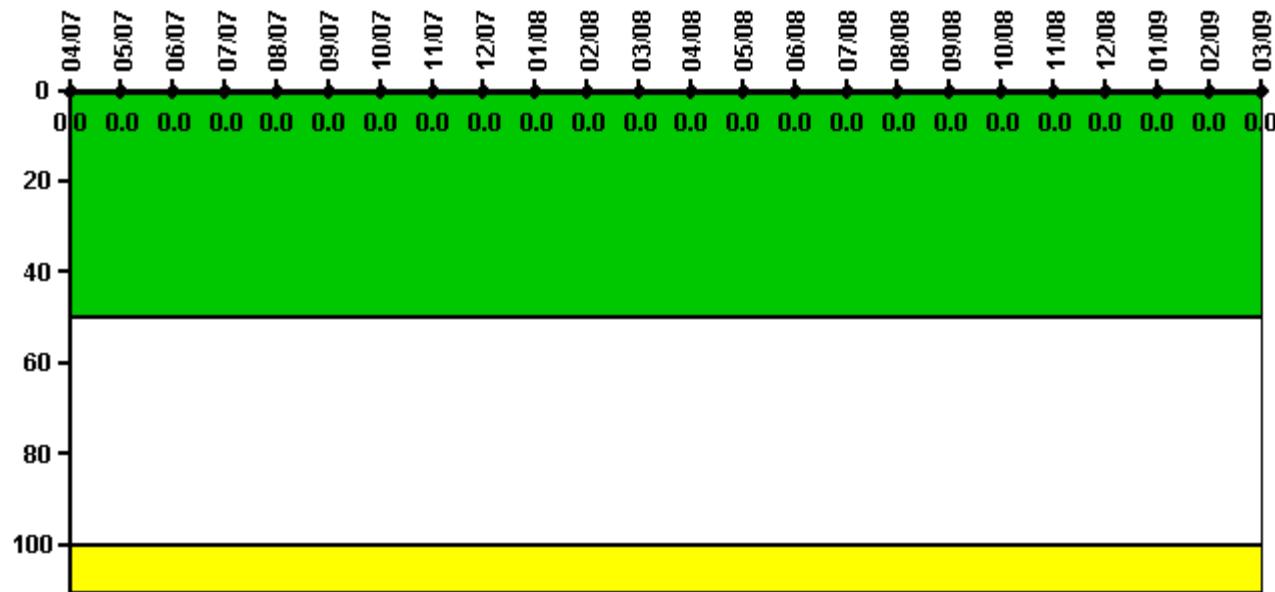
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	4.50E-08	-1.30E-09	9.10E-08	1.40E-07	3.80E-08	-1.30E-09	-1.30E-09	-9.10E-10
URI ( $\Delta$ CDF)	-5.20E-08	-5.20E-08	-5.60E-08	-5.70E-08	-6.20E-08	-6.20E-08	-7.10E-08	-6.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.00E-09</b>	<b>-5.33E-08</b>	<b>3.50E-08</b>	<b>8.30E-08</b>	<b>-2.40E-08</b>	<b>-6.33E-08</b>	<b>-7.23E-08</b>	<b>-6.39E-08</b>

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Reactor Coolant System Activity



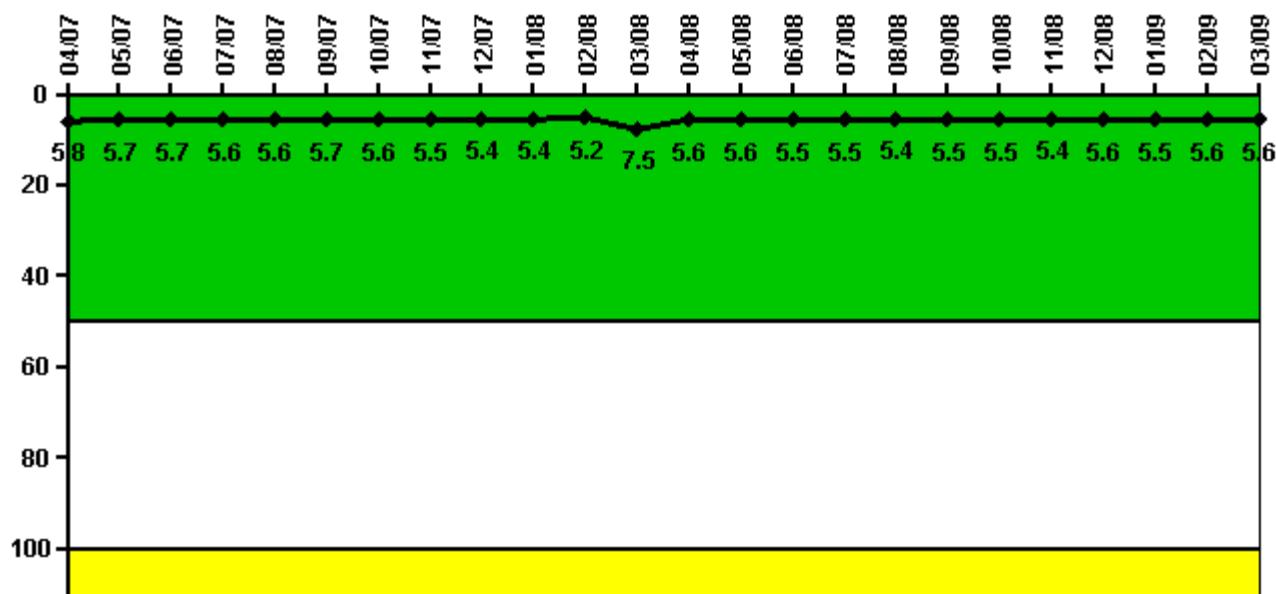
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000006	0.000005	0.000006	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004
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
<b>Indicator value</b>	<b>0</b>											
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	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008
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
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



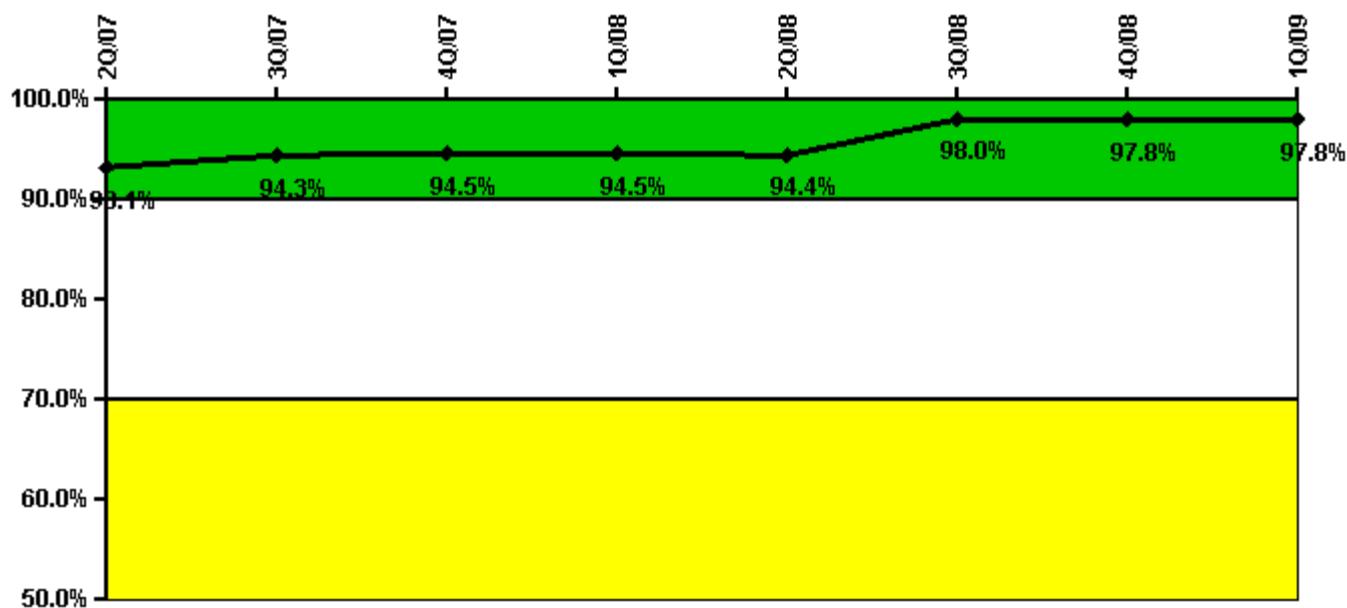
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	1.740	1.710	1.710	1.690	1.690	1.700	1.680	1.650	1.620	1.630	1.550	2.260
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
<b>Indicator value</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>
Reactor Coolant System Leakage	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 leakage	1.680	1.670	1.660	1.650	1.610	1.650	1.640	1.630	1.670	1.650	1.690	1.680
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

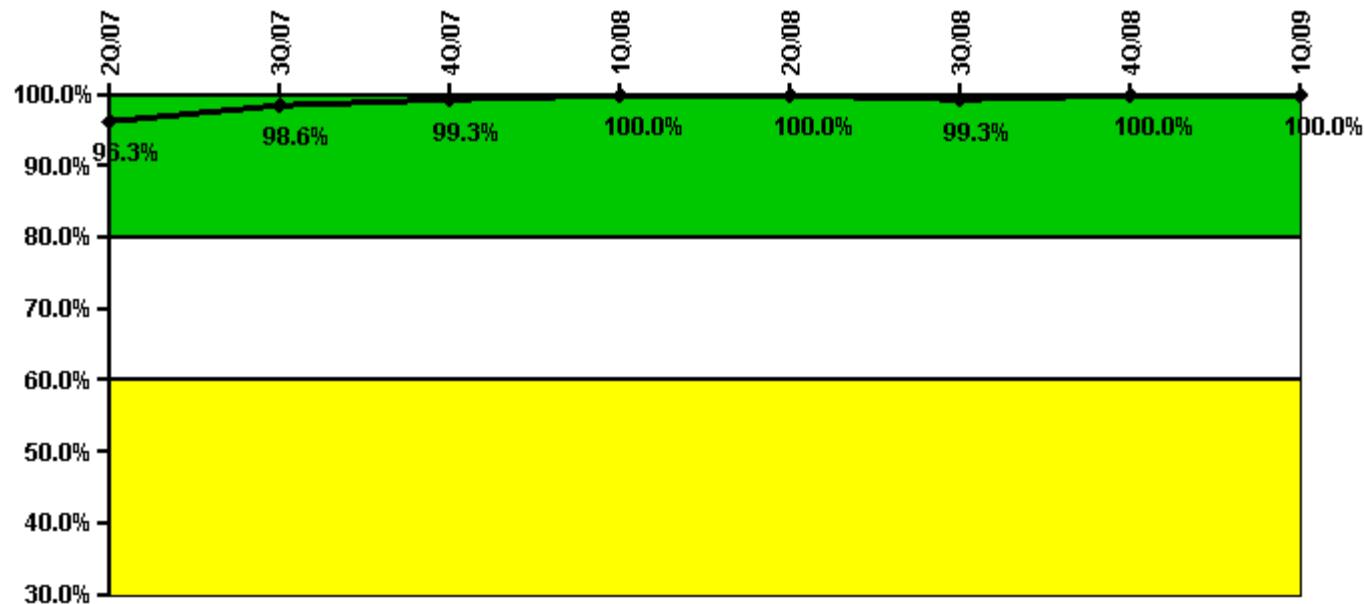
### Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	11.0	72.0	7.0	6.0	30.0	43.0	8.0	2.0
Total opportunities	12.0	73.0	7.0	6.0	32.0	43.0	8.0	2.0
Indicator value	93.1%	94.3%	94.5%	94.5%	94.4%	98.0%	97.8%	97.8%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	130.0	138.0	136.0	137.0	134.0	142.0	148.0	141.0
Total Key personnel	135.0	140.0	137.0	137.0	134.0	143.0	148.0	141.0
Indicator value	96.3%	98.6%	99.3%	100.0%	100.0%	99.3%	100.0%	100.0%

Licensee Comments: none

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## **Alert & Notification System**

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

### **Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/07</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

1Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



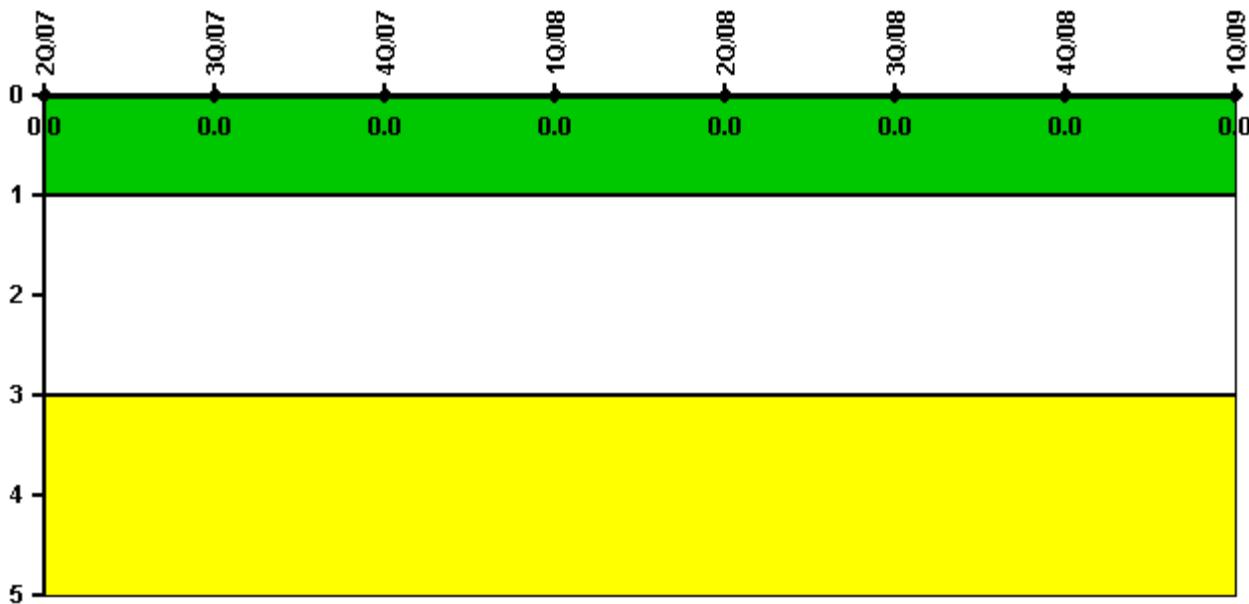
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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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[Security](#) information not publicly available.

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

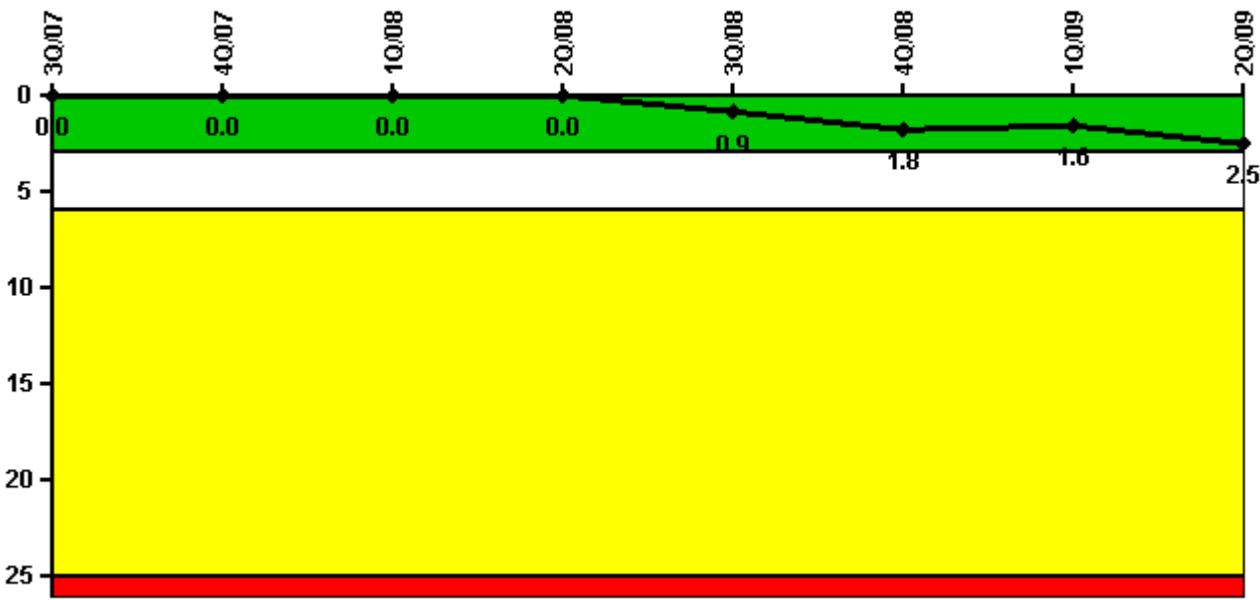
Last Modified: May 1, 2009

# Hatch 1

## 2Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

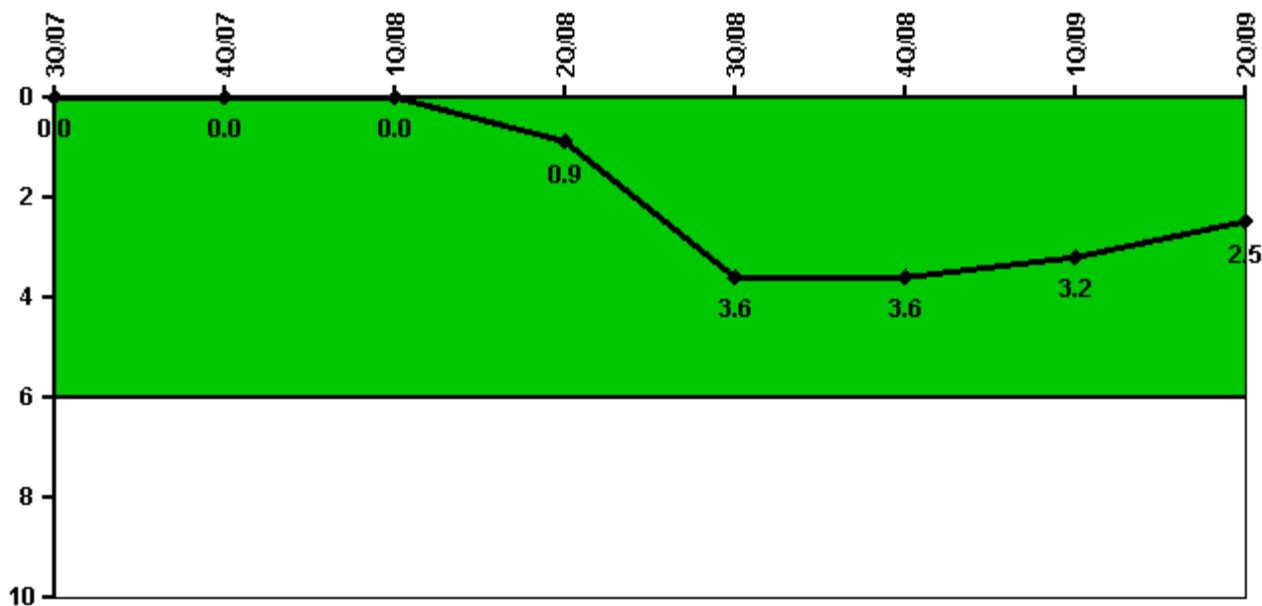
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	1.0	1.0	0	1.0
Critical hours	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9
Indicator value	0	0	0	0	0.9	1.8	1.6	2.5

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

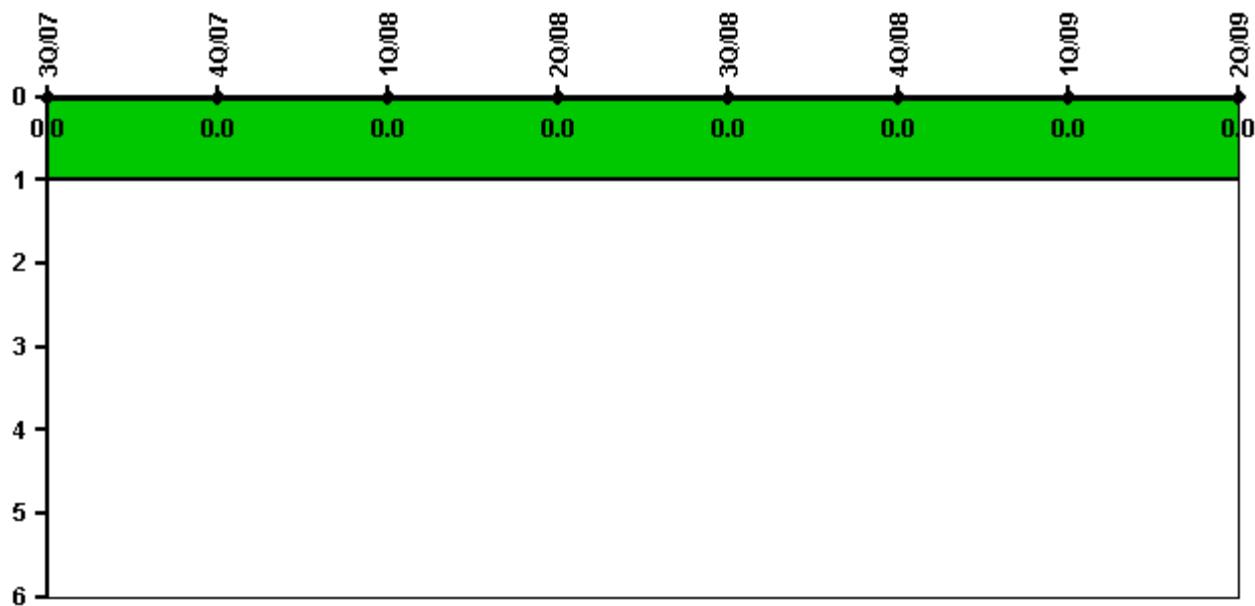
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	1.0	3.0	0	0	0
Critical hours	2208.0	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9
Indicator value	0	0	0	0.9	3.6	3.6	3.2	2.5

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

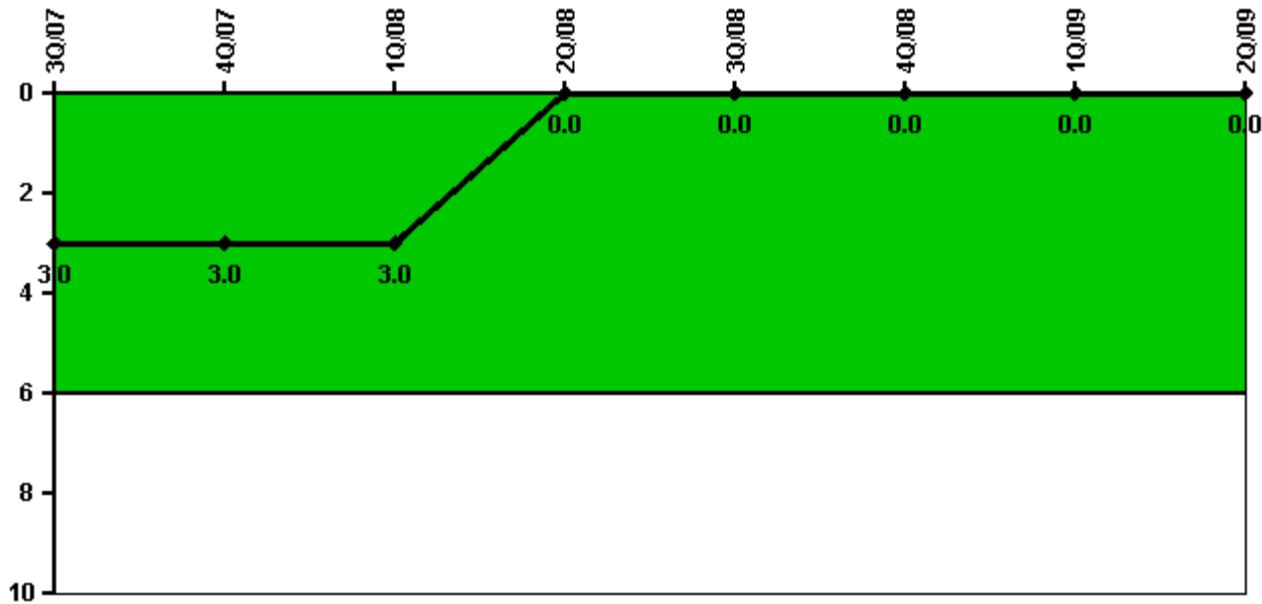
### Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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 (BWR)



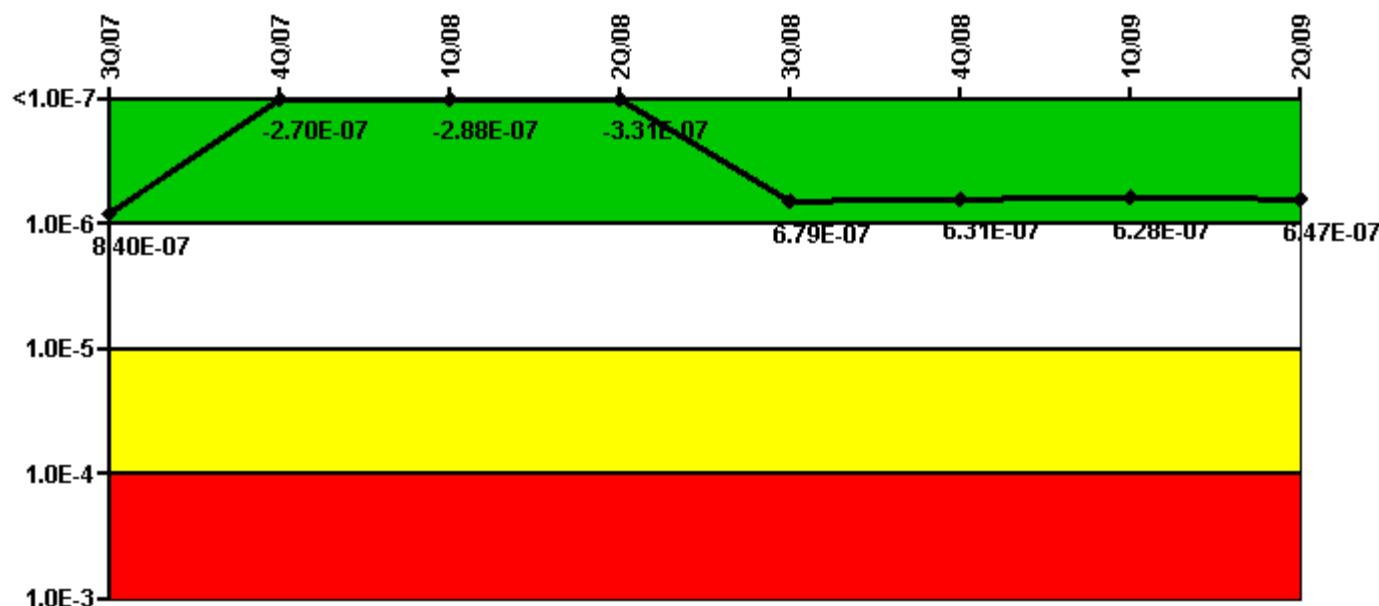
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	3	3	0	0	0	0	0

Licensee Comments: none

## Mitigating Systems Performance Index, Emergency AC Power System



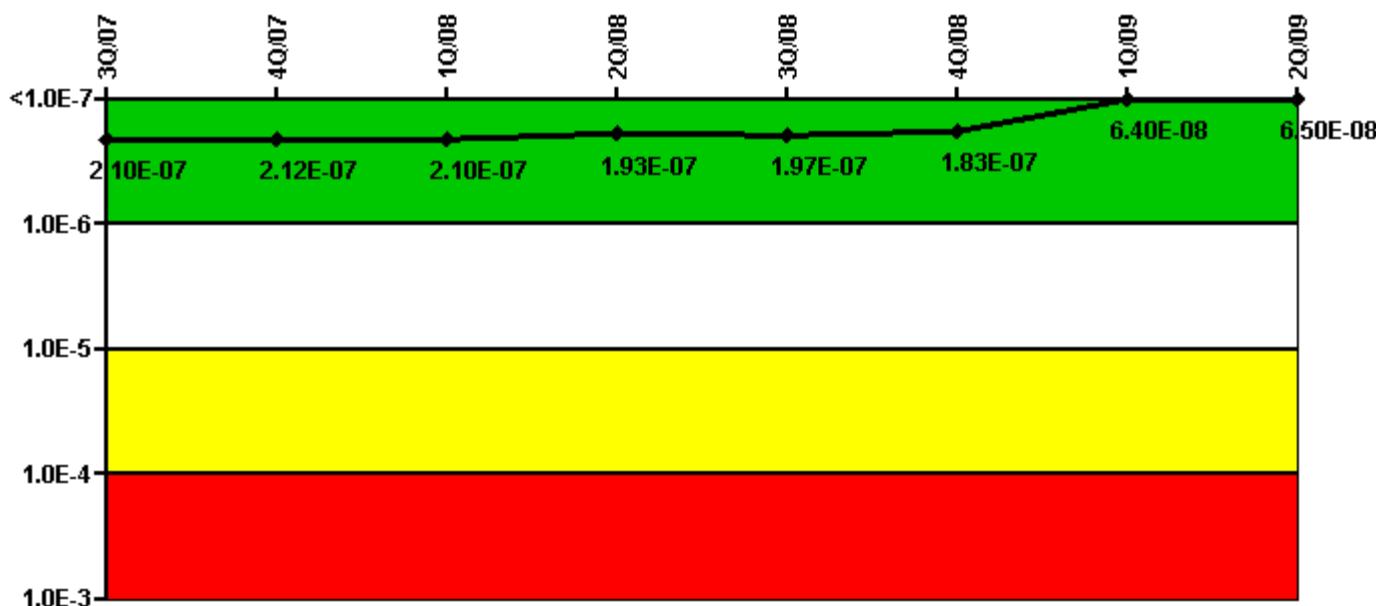
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	9.70E-09	-2.00E-08	-1.80E-08	8.80E-09	3.90E-08	3.10E-08	2.80E-08	1.70E-08
URI (ΔCDF)	8.30E-07	-2.50E-07	-2.70E-07	-3.40E-07	6.40E-07	6.00E-07	6.00E-07	6.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>8.40E-07</b>	<b>-2.70E-07</b>	<b>-2.88E-07</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



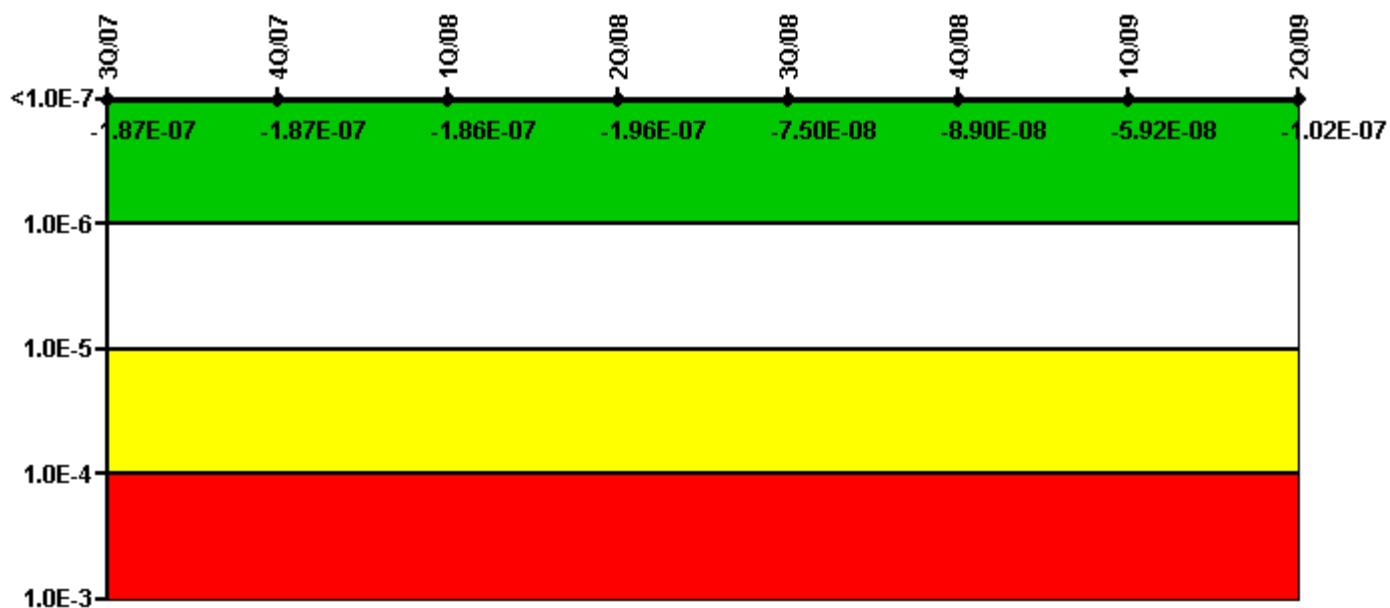
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	7.00E-08	7.20E-08	9.00E-08	7.30E-08	7.70E-08	7.30E-08	2.00E-08	2.10E-08
URI (ΔCDF)	1.40E-07	1.40E-07	1.20E-07	1.20E-07	1.20E-07	1.10E-07	4.40E-08	4.40E-08
PLE	NO							
Indicator value	2.10E-07	2.12E-07	2.10E-07	1.93E-07	1.97E-07	1.83E-07	6.40E-08	6.50E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



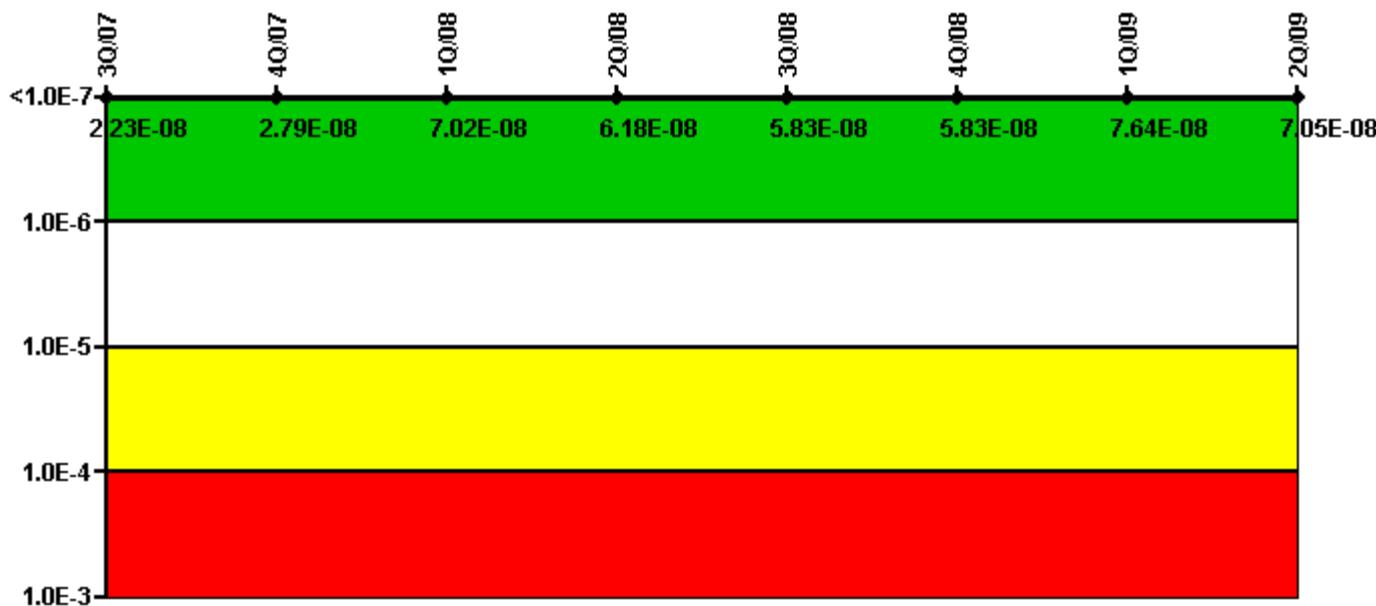
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-5.70E-08	-5.70E-08	-5.60E-08	-5.60E-08	6.50E-08	6.10E-08	7.80E-09	-4.10E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07	-6.70E-08	-6.10E-08
PLE	NO							
Indicator value	<b>-1.87E-07</b>	<b>-1.87E-07</b>	<b>-1.86E-07</b>	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.92E-08</b>	<b>-1.02E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



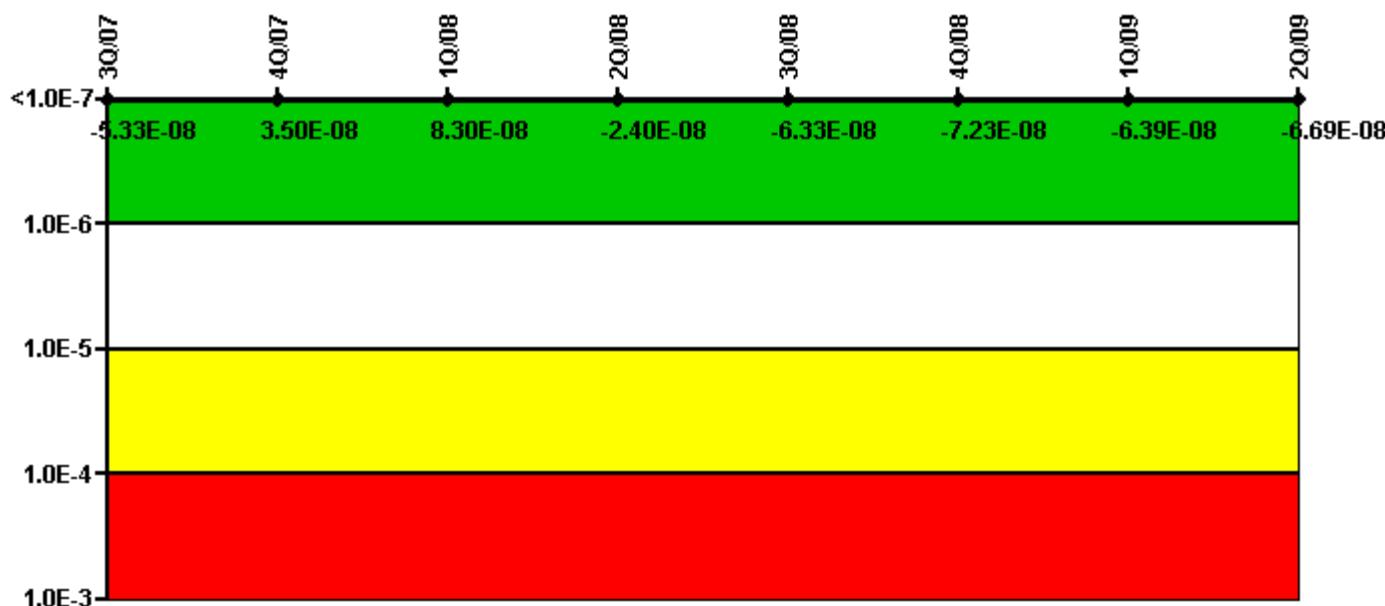
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	-7.70E-09	-1.40E-10	2.20E-09	-6.20E-09	-6.70E-09	-7.70E-09	-8.60E-09	-8.50E-09
URI ( $\Delta$ CDF)	3.00E-08	2.80E-08	6.80E-08	6.80E-08	6.50E-08	6.60E-08	8.50E-08	7.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.23E-08	2.79E-08	7.02E-08	6.18E-08	5.83E-08	5.83E-08	7.64E-08	7.05E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



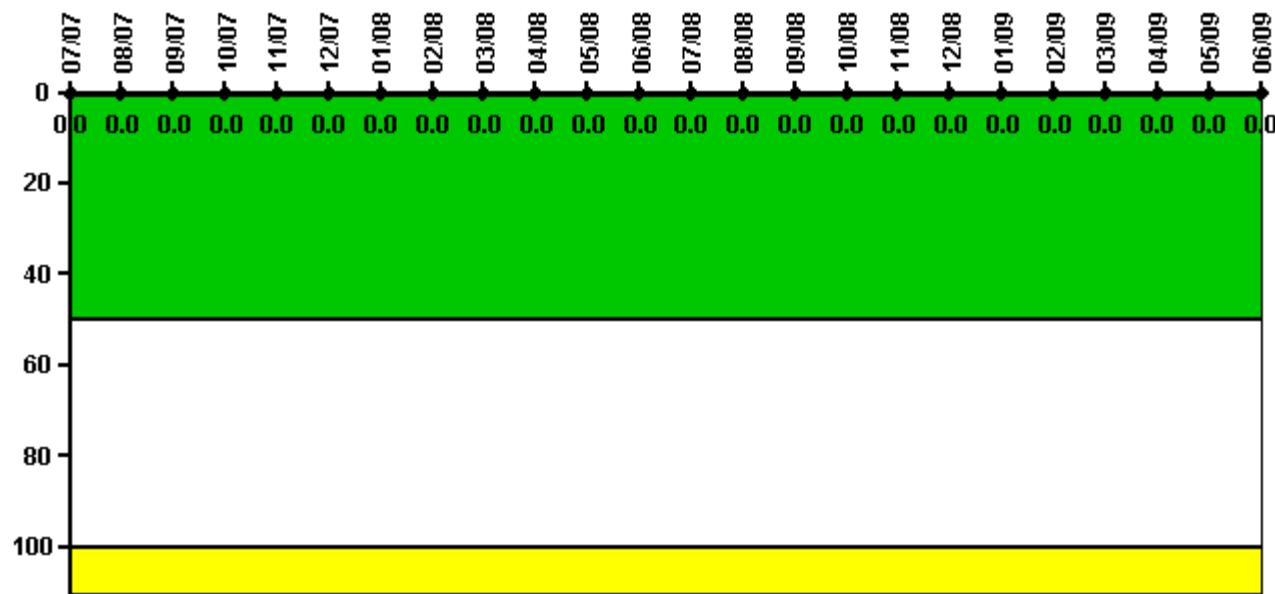
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	-1.30E-09	9.10E-08	1.40E-07	3.80E-08	-1.30E-09	-1.30E-09	-9.10E-10	-9.00E-10
URI ( $\Delta$ CDF)	-5.20E-08	-5.60E-08	-5.70E-08	-6.20E-08	-6.20E-08	-7.10E-08	-6.30E-08	-6.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-5.33E-08</b>	<b>3.50E-08</b>	<b>8.30E-08</b>	<b>-2.40E-08</b>	<b>-6.33E-08</b>	<b>-7.23E-08</b>	<b>-6.39E-08</b>	<b>-6.69E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



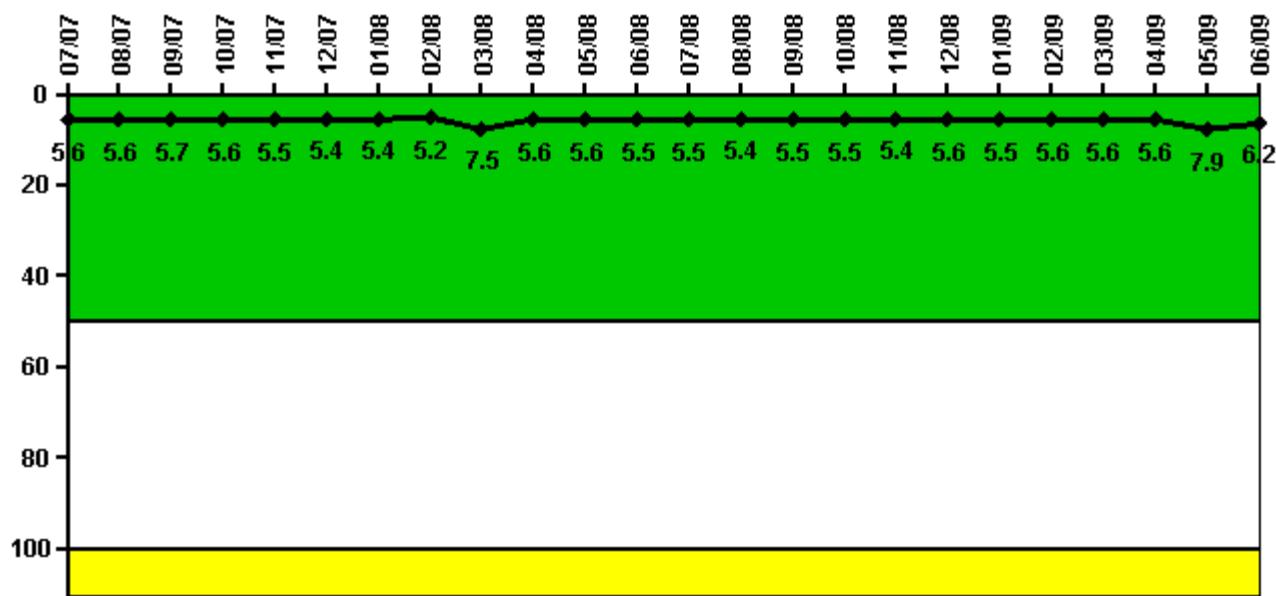
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000006	0.000005	0.000004	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007
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	0
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	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



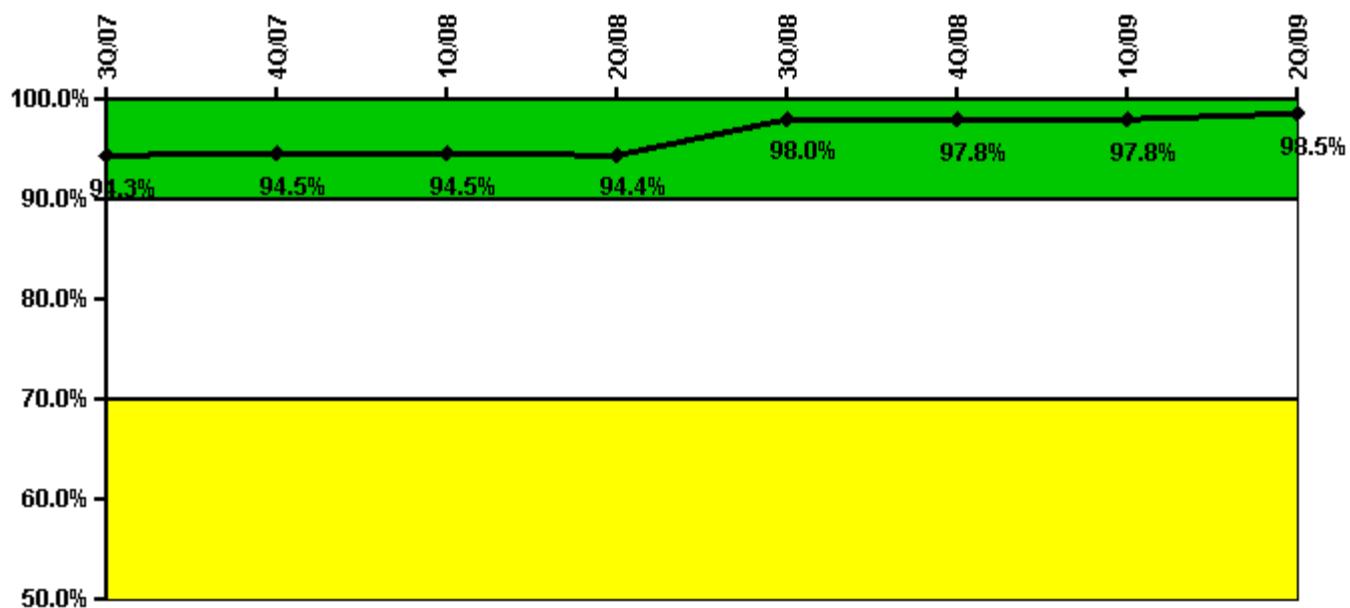
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	1.690	1.690	1.700	1.680	1.650	1.620	1.630	1.550	2.260	1.680	1.670	1.660
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.6</b>	<b>5.7</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>
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	1.650	1.610	1.650	1.640	1.630	1.670	1.650	1.690	1.680	1.670	2.360	1.860
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>

Licensee Comments: none

## Drill/Exercise Performance



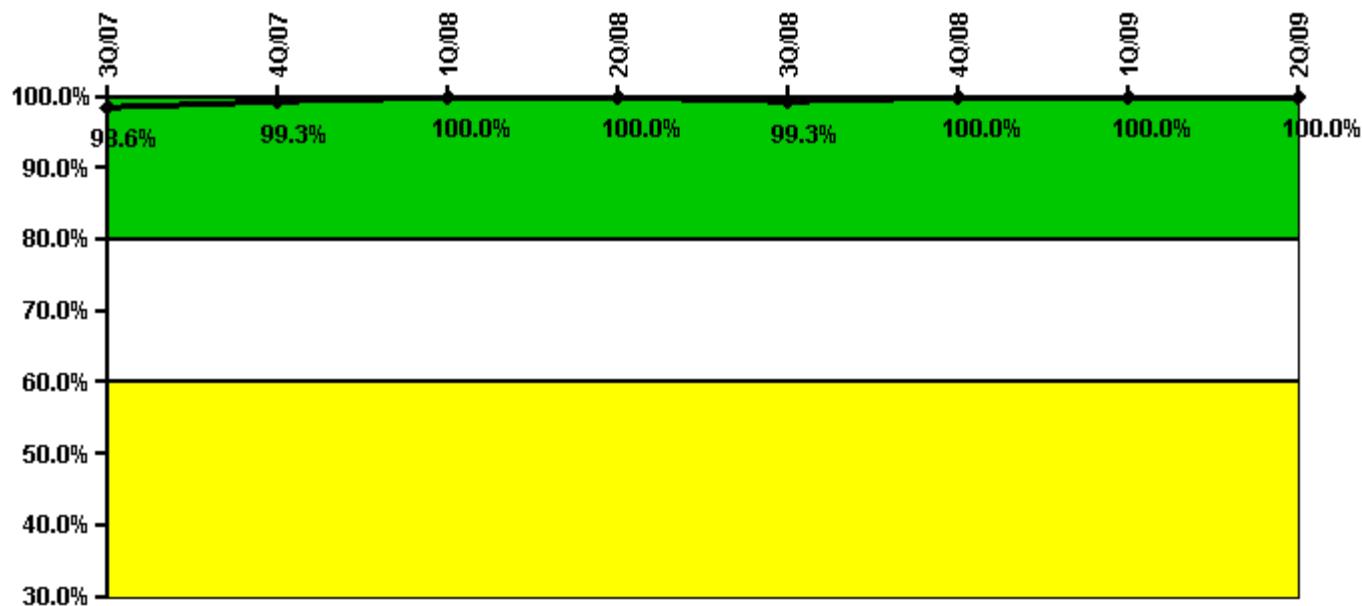
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	72.0	7.0	6.0	30.0	43.0	8.0	2.0	23.0
Total opportunities	73.0	7.0	6.0	32.0	43.0	8.0	2.0	23.0
Indicator value	94.3%	94.5%	94.5%	94.4%	98.0%	97.8%	97.8%	98.5%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>
Participating Key personnel	138.0	136.0	137.0	134.0	142.0	148.0	141.0	132.0
Total Key personnel	140.0	137.0	137.0	134.0	143.0	148.0	141.0	132.0
<b>Indicator value</b>	<b>98.6%</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

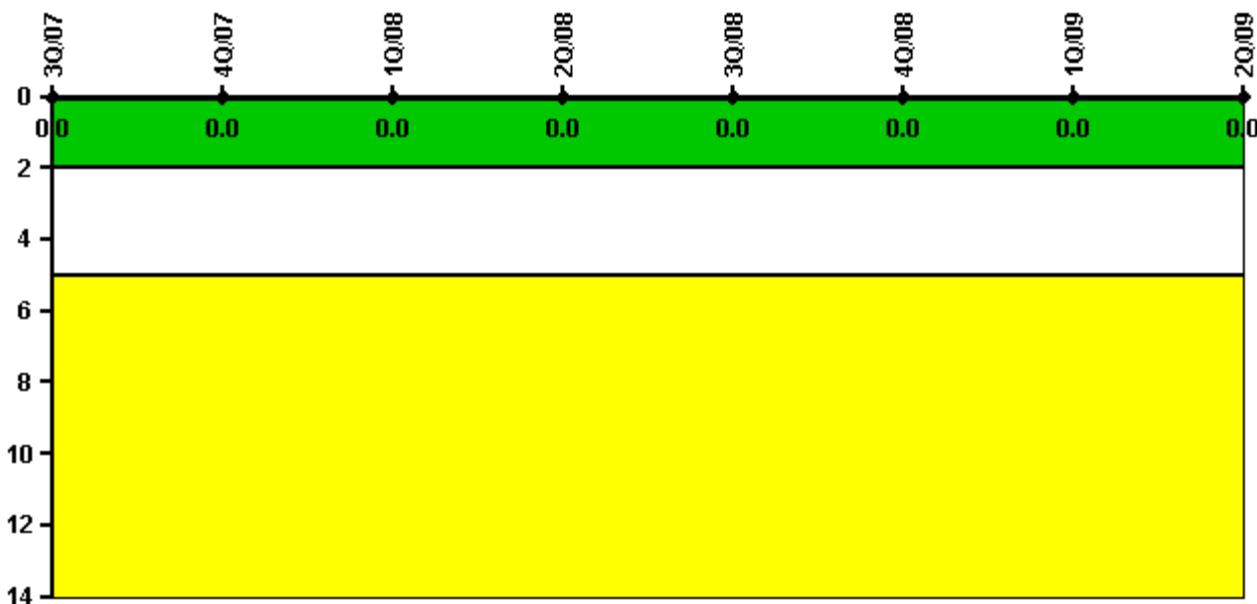
### **Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/07</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

2Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



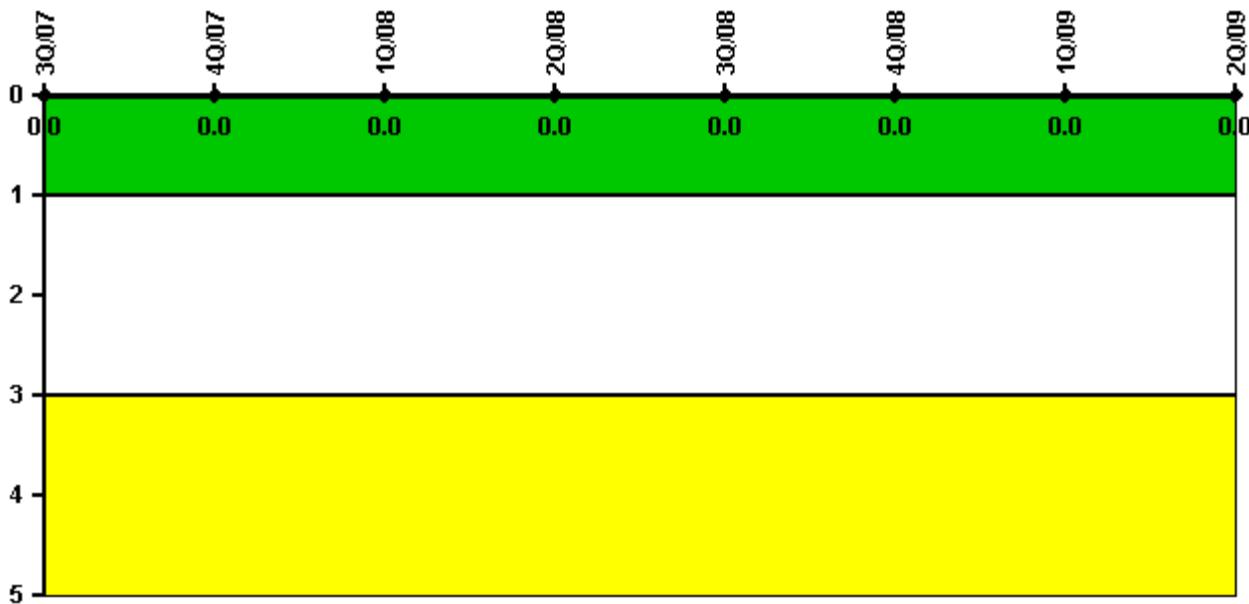
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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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[Security](#) information not publicly available.

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

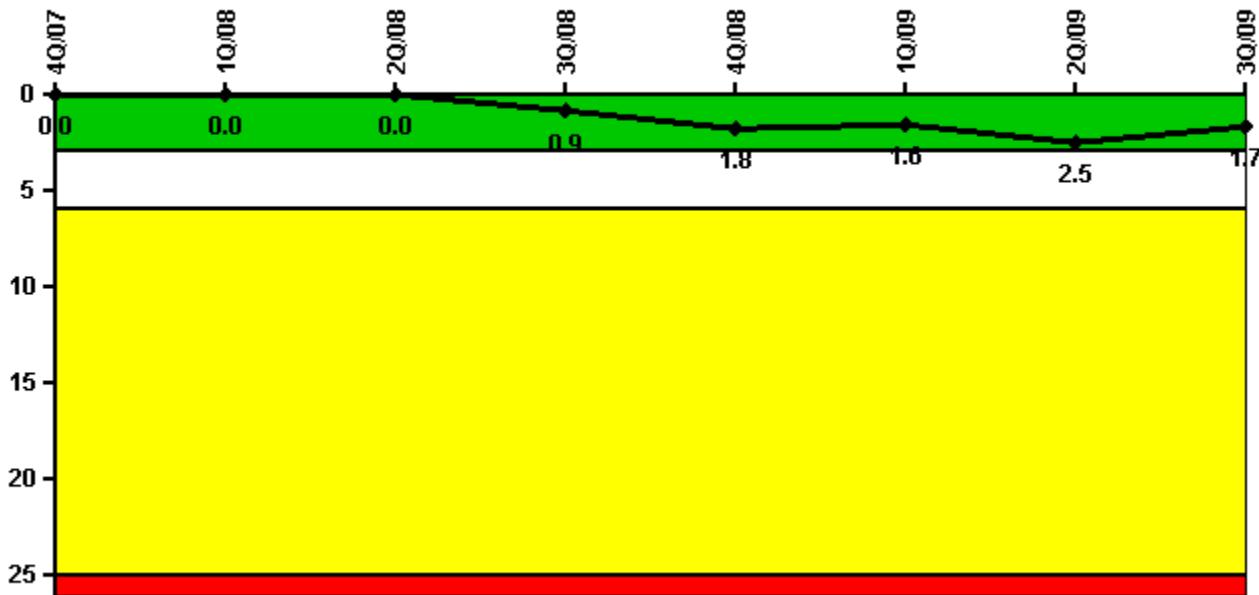
Last Modified: July 22, 2009

# Hatch 1

## 3Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



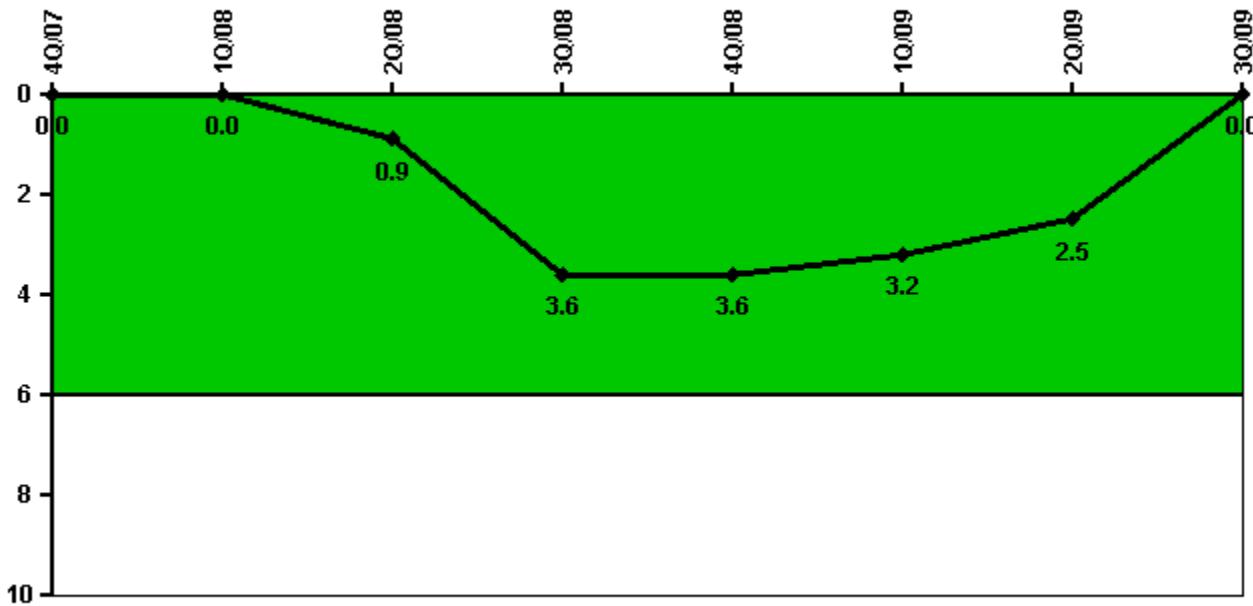
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	1.0	1.0	0	1.0	0
Critical hours	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0
Indicator value	0	0	0	0.9	1.8	1.6	2.5	1.7

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

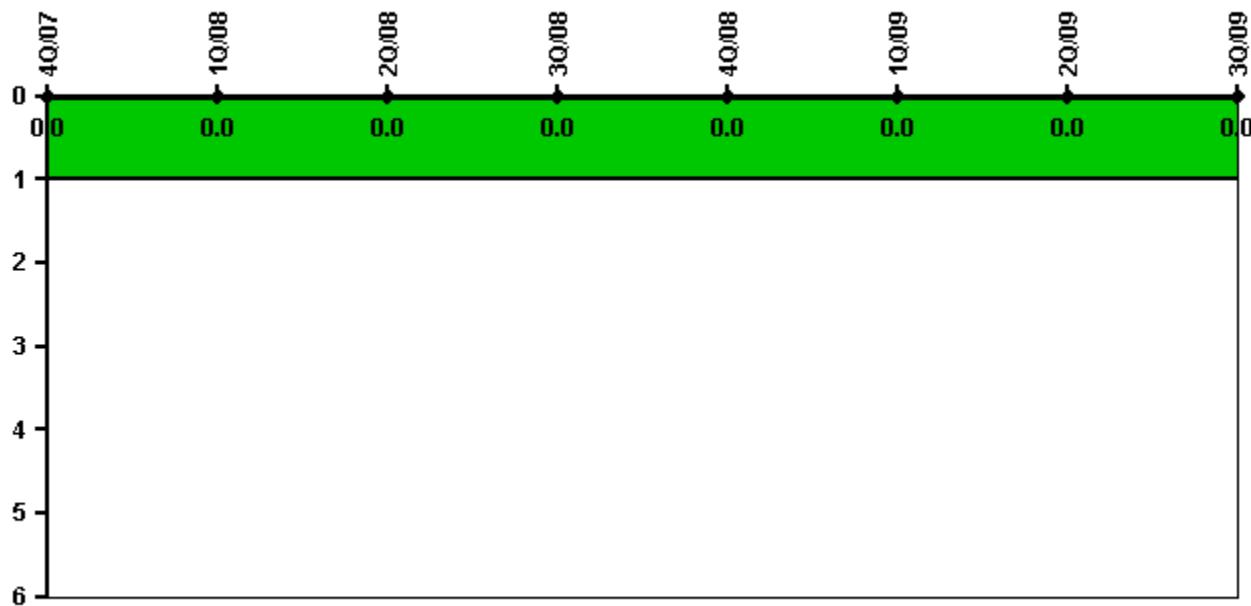
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	1.0	3.0	0	0	0	0
Critical hours	2209.0	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>3.6</b>	<b>3.6</b>	<b>3.2</b>	<b>2.5</b>	<b>0</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

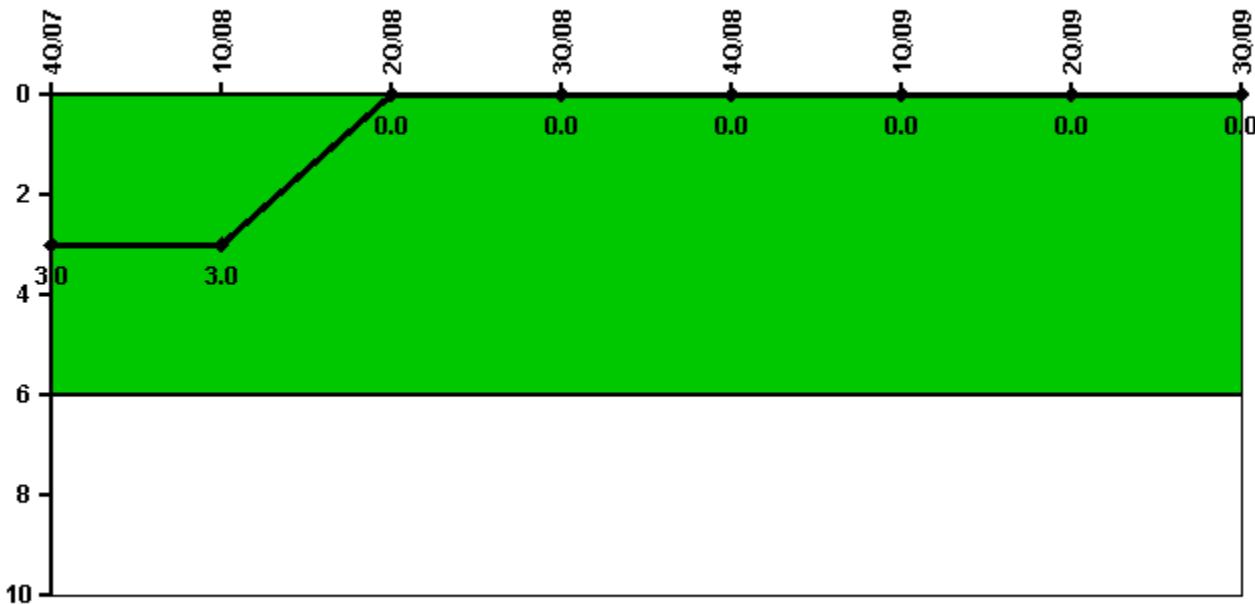
### Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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 (BWR)



Thresholds: White > 6.0

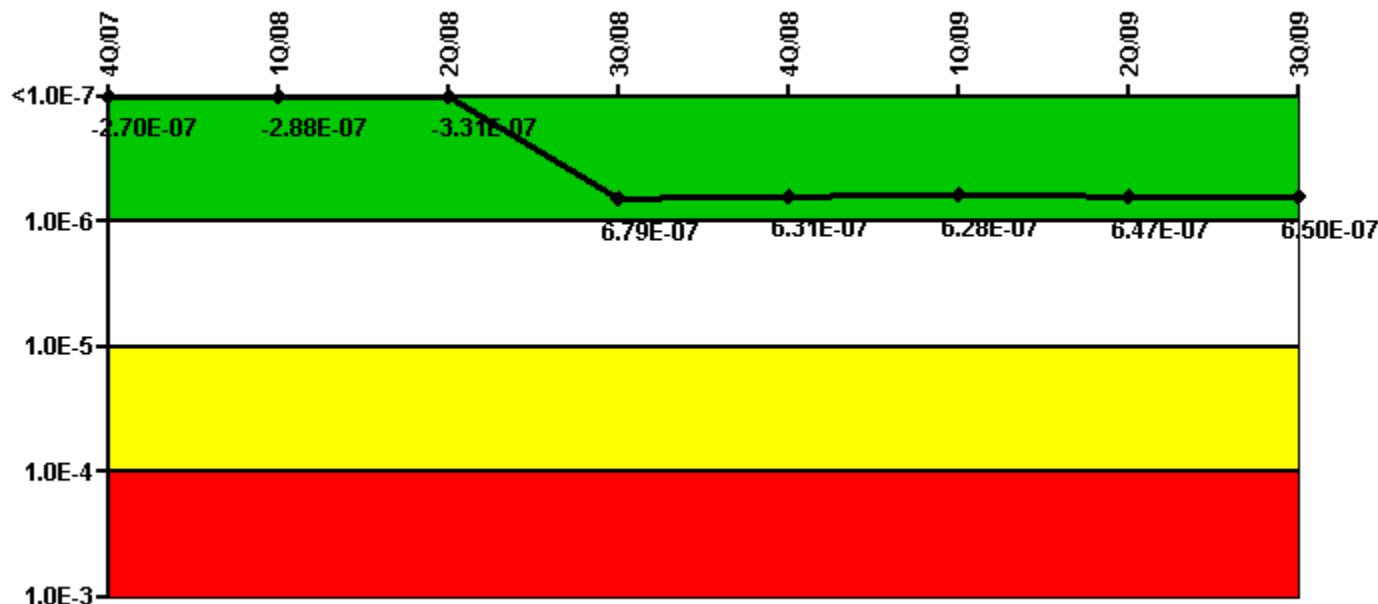
### Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	3	0	0	0	0	0	0

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



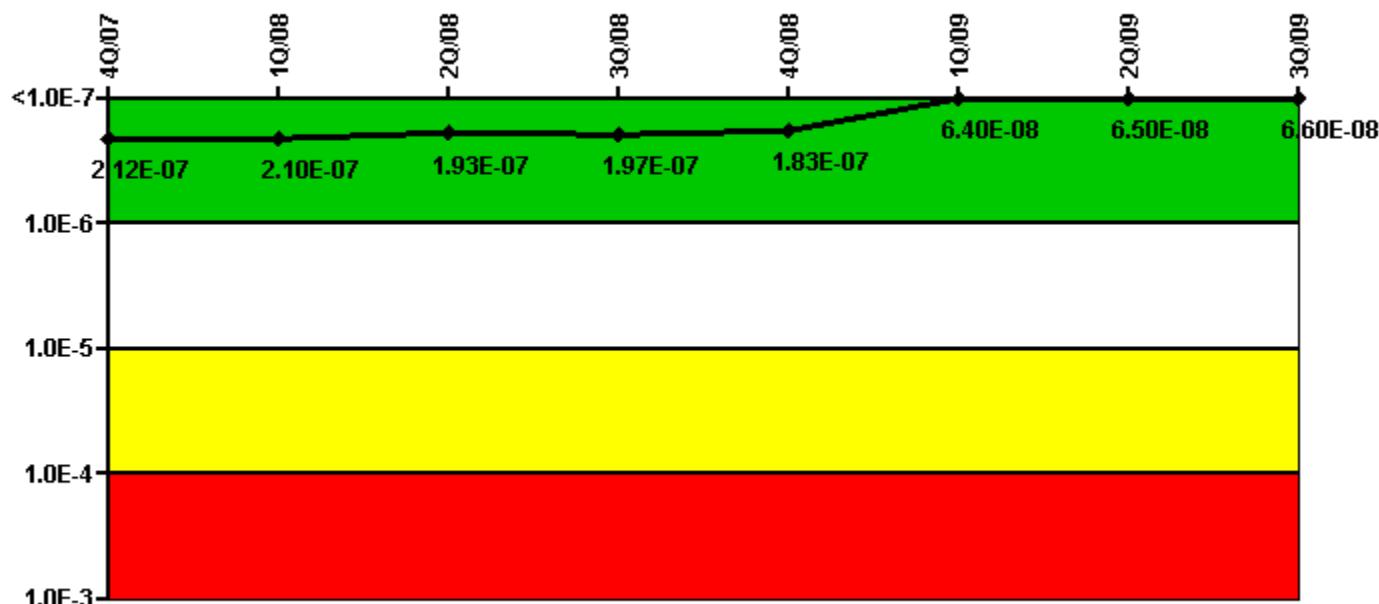
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-2.00E-08	-1.80E-08	8.80E-09	3.90E-08	3.10E-08	2.80E-08	1.70E-08	2.00E-08
URI ( $\Delta$ CDF)	-2.50E-07	-2.70E-07	-3.40E-07	6.40E-07	6.00E-07	6.00E-07	6.30E-07	6.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.70E-07</b>	<b>-2.88E-07</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



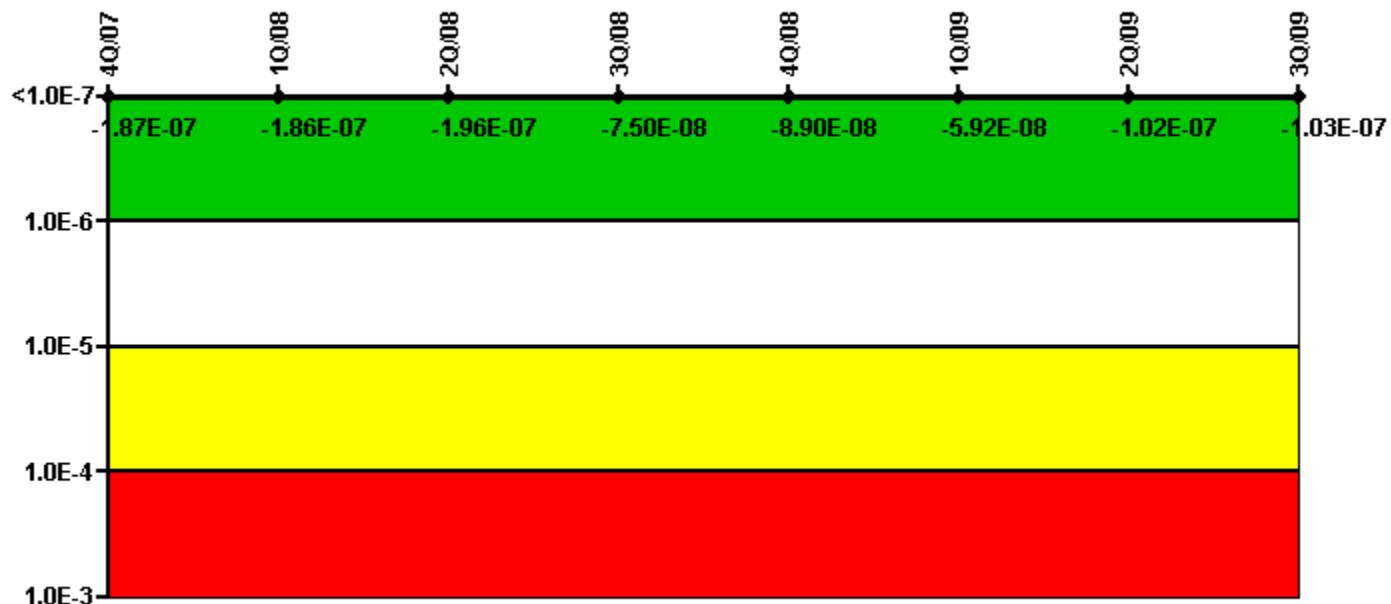
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	7.20E-08	9.00E-08	7.30E-08	7.70E-08	7.30E-08	2.00E-08	2.10E-08	2.10E-08
URI ( $\Delta$ CDF)	1.40E-07	1.20E-07	1.20E-07	1.20E-07	1.10E-07	4.40E-08	4.40E-08	4.50E-08
PLE	NO							
Indicator value	<b>2.12E-07</b>	<b>2.10E-07</b>	<b>1.93E-07</b>	<b>1.97E-07</b>	<b>1.83E-07</b>	<b>6.40E-08</b>	<b>6.50E-08</b>	<b>6.60E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



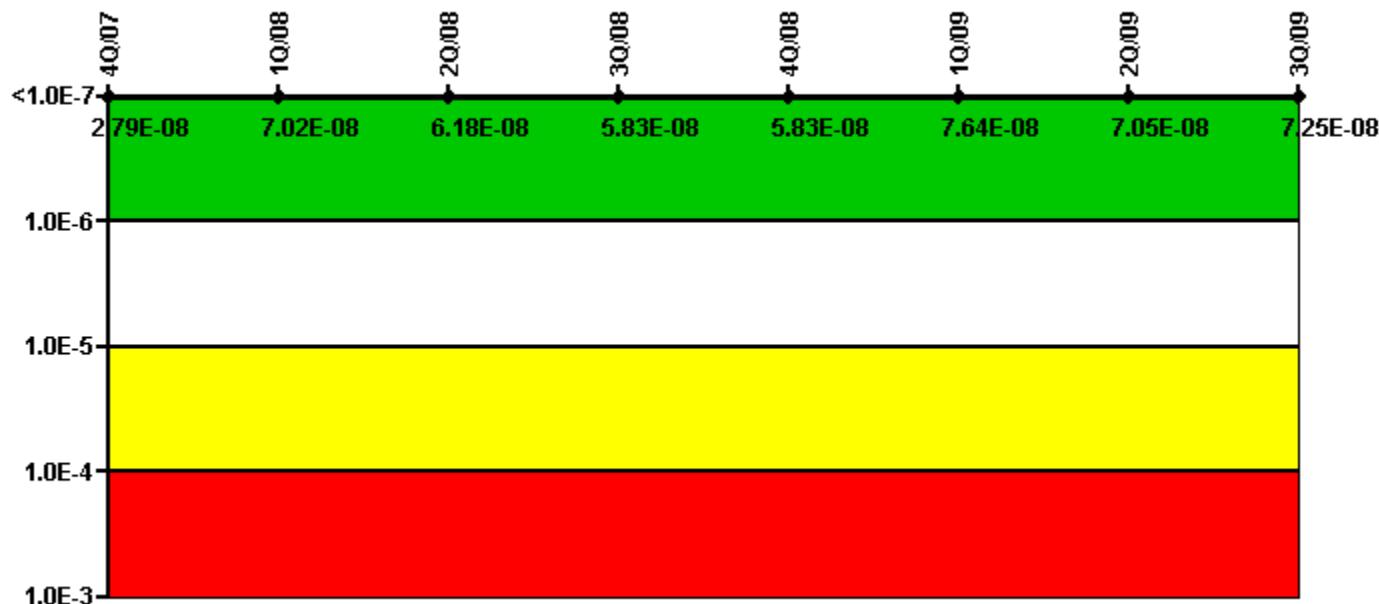
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-5.70E-08	-5.60E-08	-5.60E-08	6.50E-08	6.10E-08	7.80E-09	-4.10E-08	-4.10E-08
URI ( $\Delta$ CDF)	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07	-6.70E-08	-6.10E-08	-6.20E-08
PLE	NO							
Indicator value	<b>-1.87E-07</b>	<b>-1.86E-07</b>	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.92E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



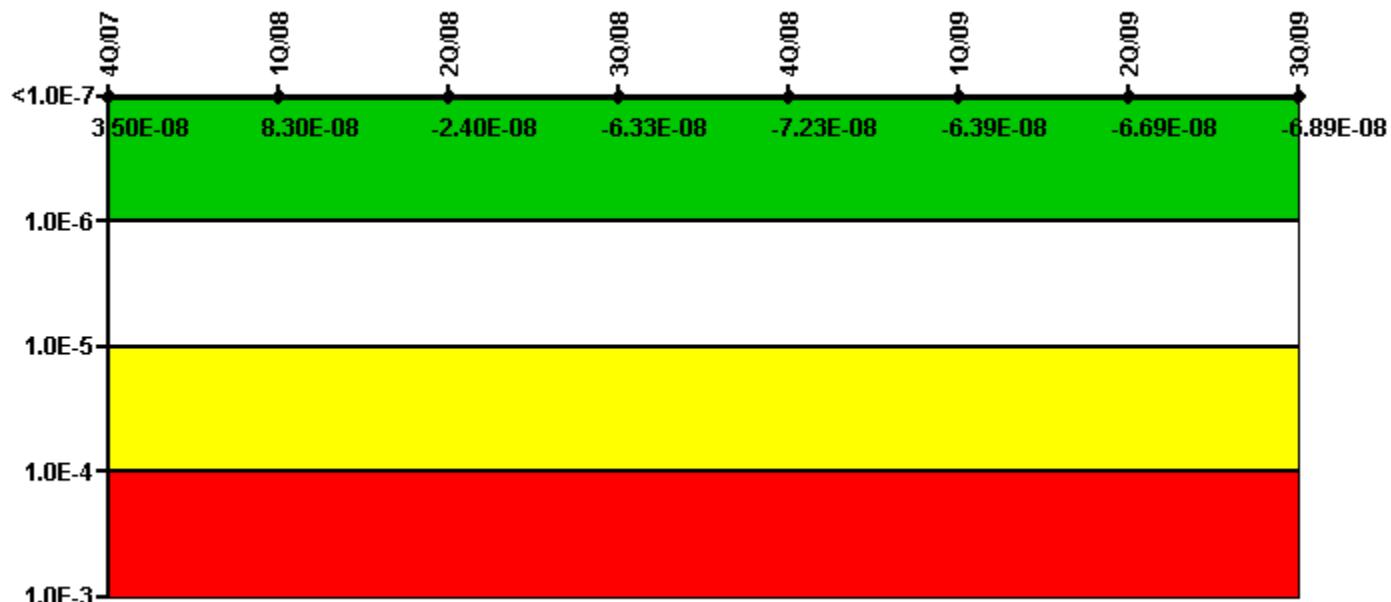
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-1.40E-10	2.20E-09	-6.20E-09	-6.70E-09	-7.70E-09	-8.60E-09	-8.50E-09	-8.50E-09
URI ( $\Delta$ CDF)	2.80E-08	6.80E-08	6.80E-08	6.50E-08	6.60E-08	8.50E-08	7.90E-08	8.10E-08
PLE	NO							
Indicator value	<b>2.79E-08</b>	<b>7.02E-08</b>	<b>6.18E-08</b>	<b>5.83E-08</b>	<b>5.83E-08</b>	<b>7.64E-08</b>	<b>7.05E-08</b>	<b>7.25E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



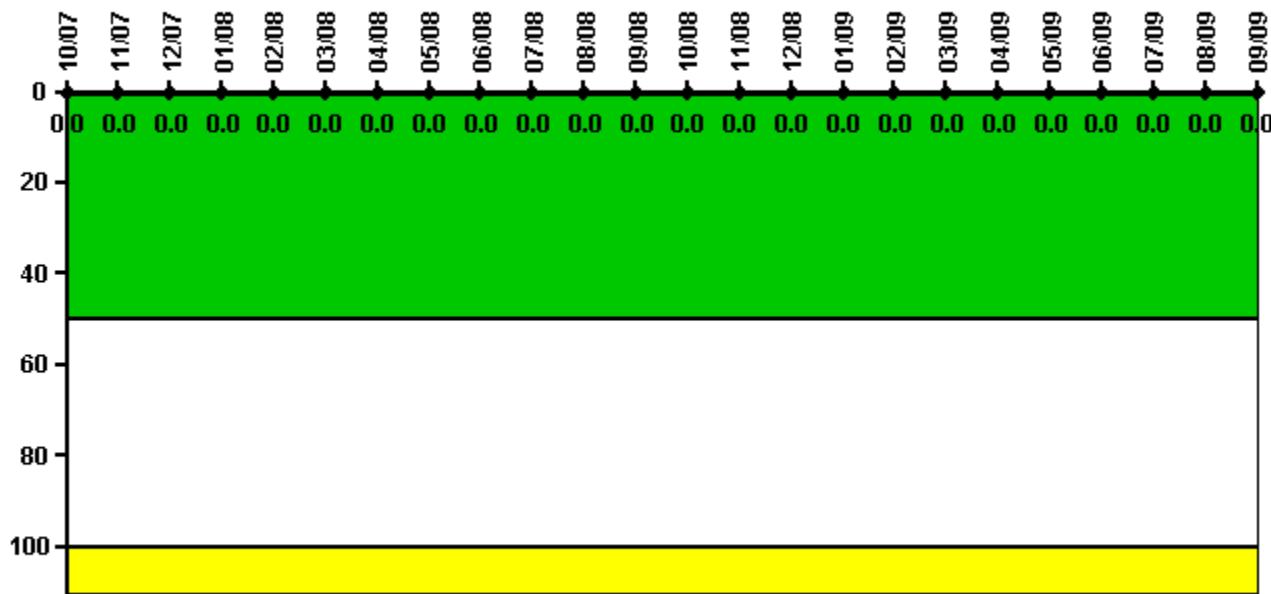
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	9.10E-08	1.40E-07	3.80E-08	-1.30E-09	-1.30E-09	-9.10E-10	-9.00E-10	-9.00E-10
URI ( $\Delta$ CDF)		-5.60E-08	-5.70E-08	-6.20E-08	-6.20E-08	-7.10E-08	-6.30E-08	-6.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.50E-08	8.30E-08	-2.40E-08	-6.33E-08	-7.23E-08	-6.39E-08	-6.69E-08	-6.89E-08

Licensee Comments: none

## Reactor Coolant System Activity



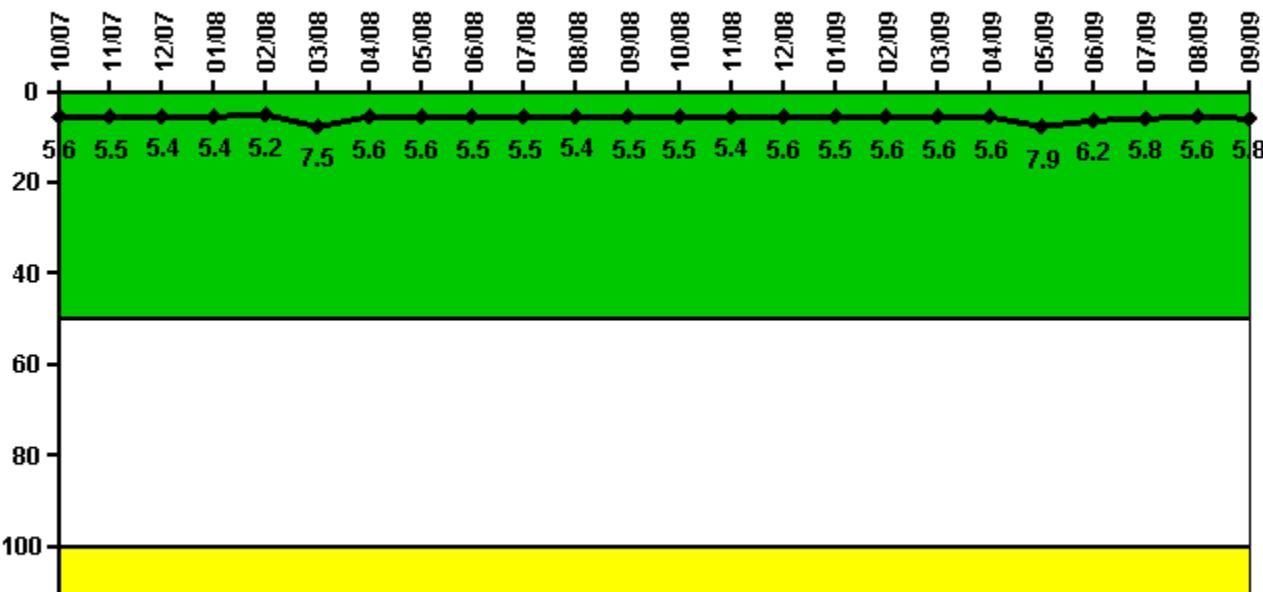
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000004	0.000005	0.000005	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008
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	0
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010	0.000005	0.000005	0.000005
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



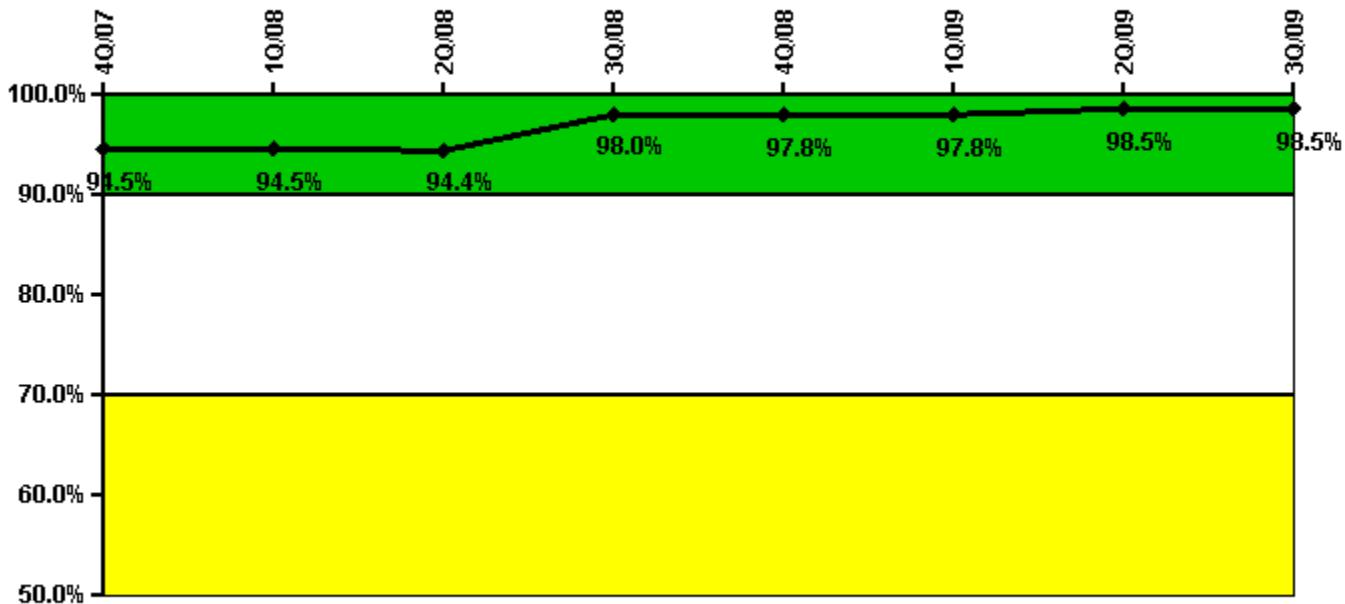
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	1.680	1.650	1.620	1.630	1.550	2.260	1.680	1.670	1.660	1.650	1.610	1.650
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	1.640	1.630	1.670	1.650	1.690	1.680	1.670	2.360	1.860	1.730	1.680	1.730
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White > 90.0% Yellow < 70.0%

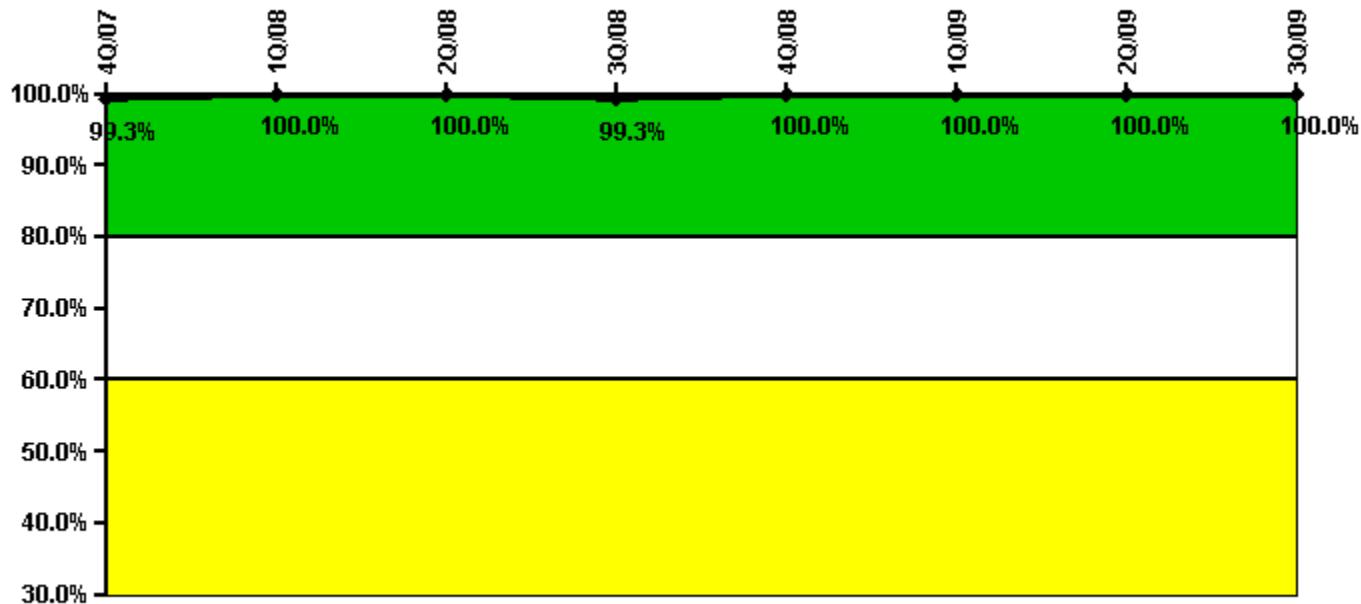
### Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	7.0	6.0	30.0	43.0	8.0	2.0	23.0	10.0
Total opportunities	7.0	6.0	32.0	43.0	8.0	2.0	23.0	10.0
<b>Indicator value</b>	<b>94.5%</b>	<b>94.5%</b>	<b>94.4%</b>	<b>98.0%</b>	<b>97.8%</b>	<b>97.8%</b>	<b>98.5%</b>	<b>98.5%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

<b>ERO Drill Participation</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>	<b>3Q/09</b>
Participating Key personnel	136.0	137.0	134.0	142.0	148.0	141.0	132.0	136.0
Total Key personnel	137.0	137.0	134.0	143.0	148.0	141.0	132.0	136.0
<b>Indicator value</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

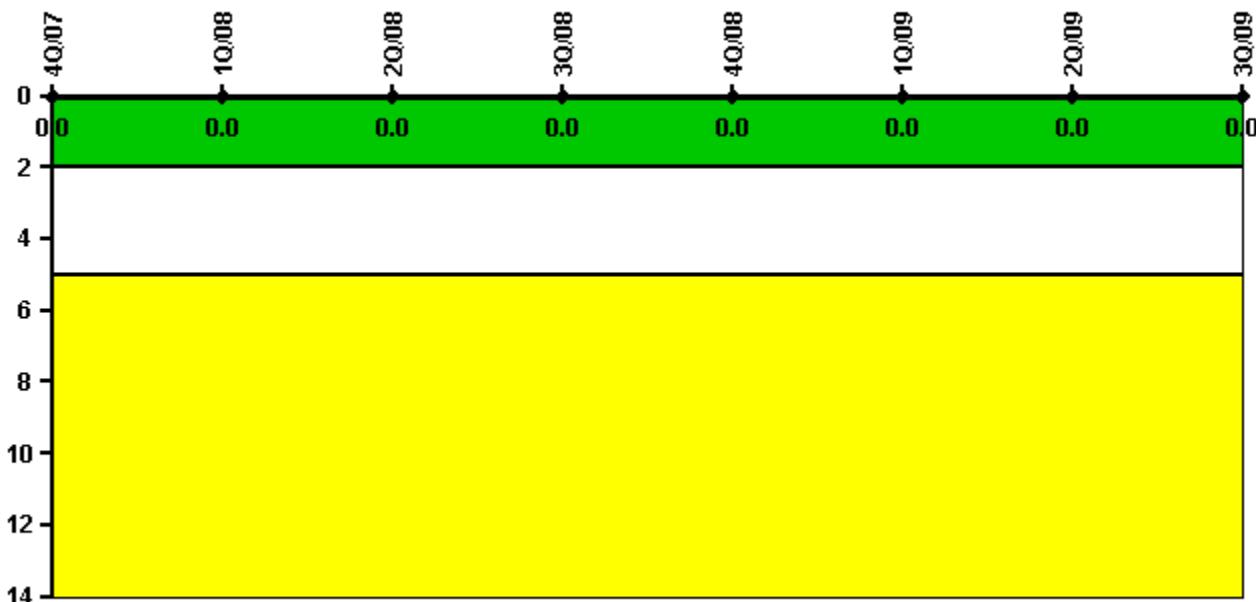
<b>Alert &amp; Notification System</b>	<b>4Q/07</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>	<b>3Q/09</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

3Q/09: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



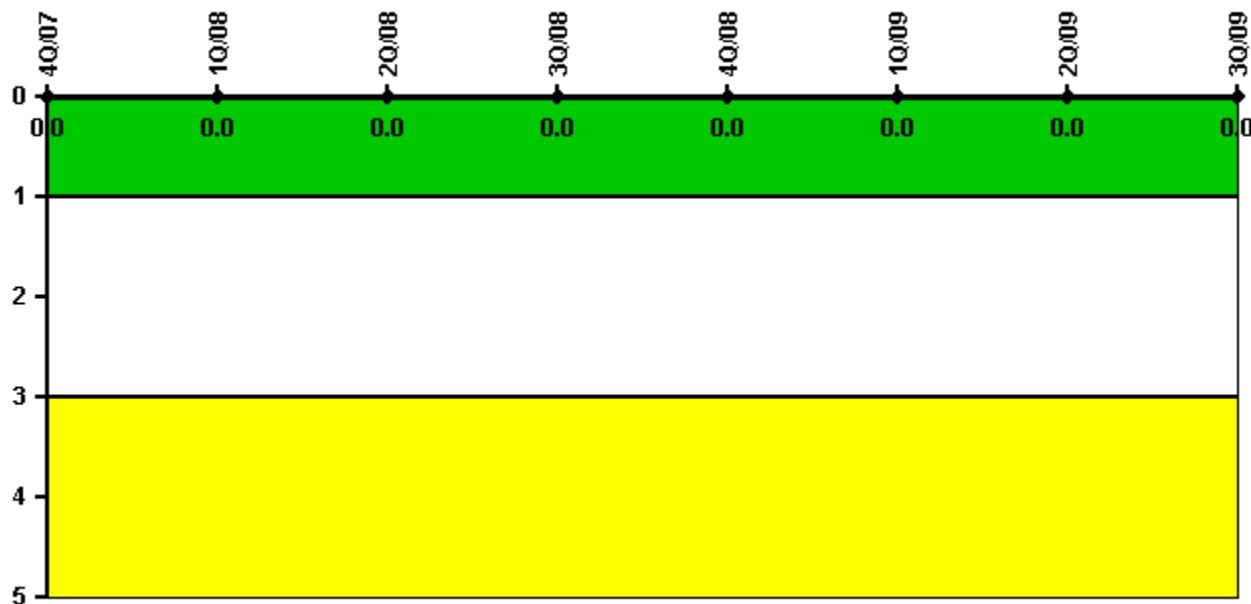
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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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Security information not publicly available.

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# Hatch 1

## 4Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



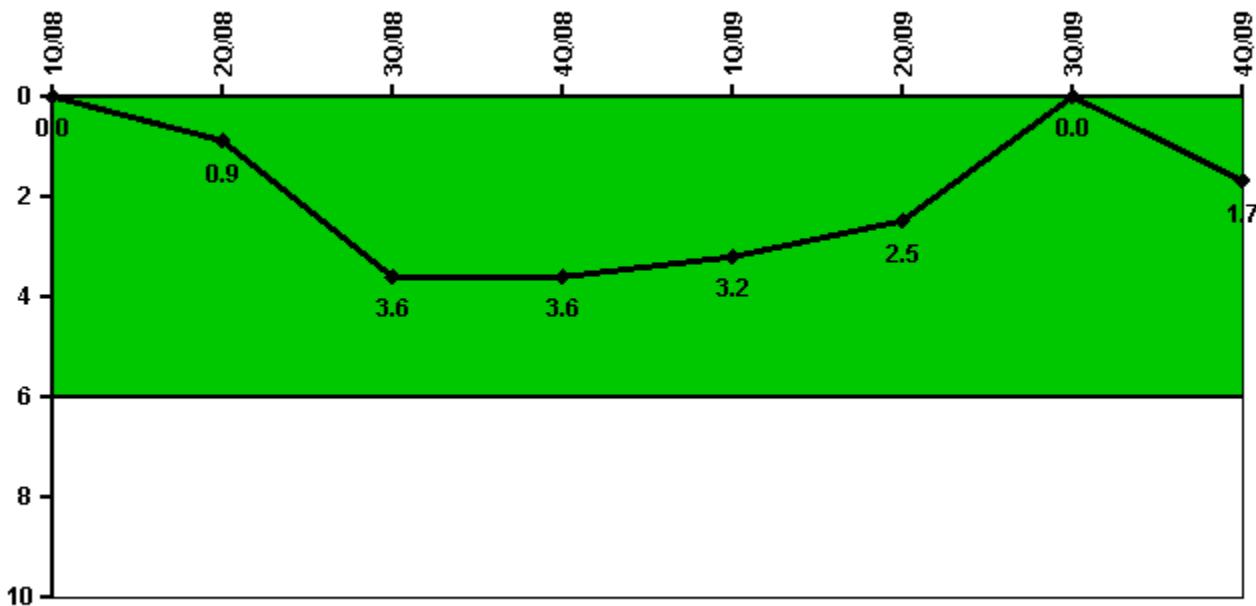
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	1.0	1.0	0	1.0	0	0
Critical hours	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0
Indicator value	0	0	0.9	1.8	1.6	2.5	1.7	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



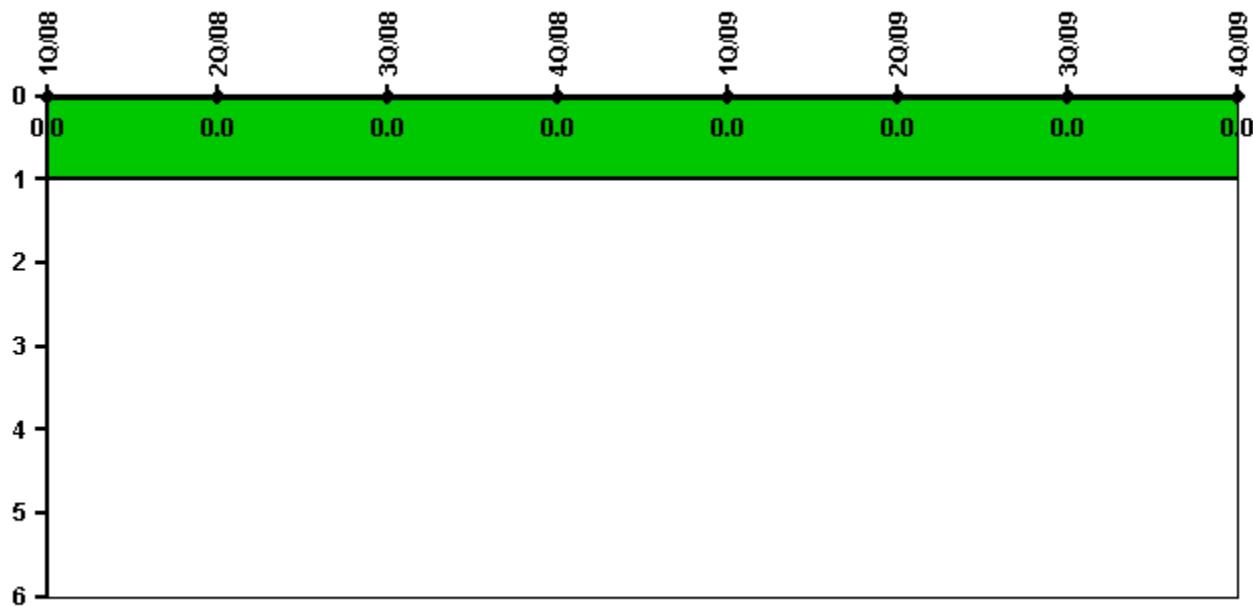
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	1.0	3.0	0	0	0	0	2.0
Critical hours	1178.6	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0
Indicator value	<b>0</b>	<b>0.9</b>	<b>3.6</b>	<b>3.6</b>	<b>3.2</b>	<b>2.5</b>	<b>0</b>	<b>1.7</b>

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

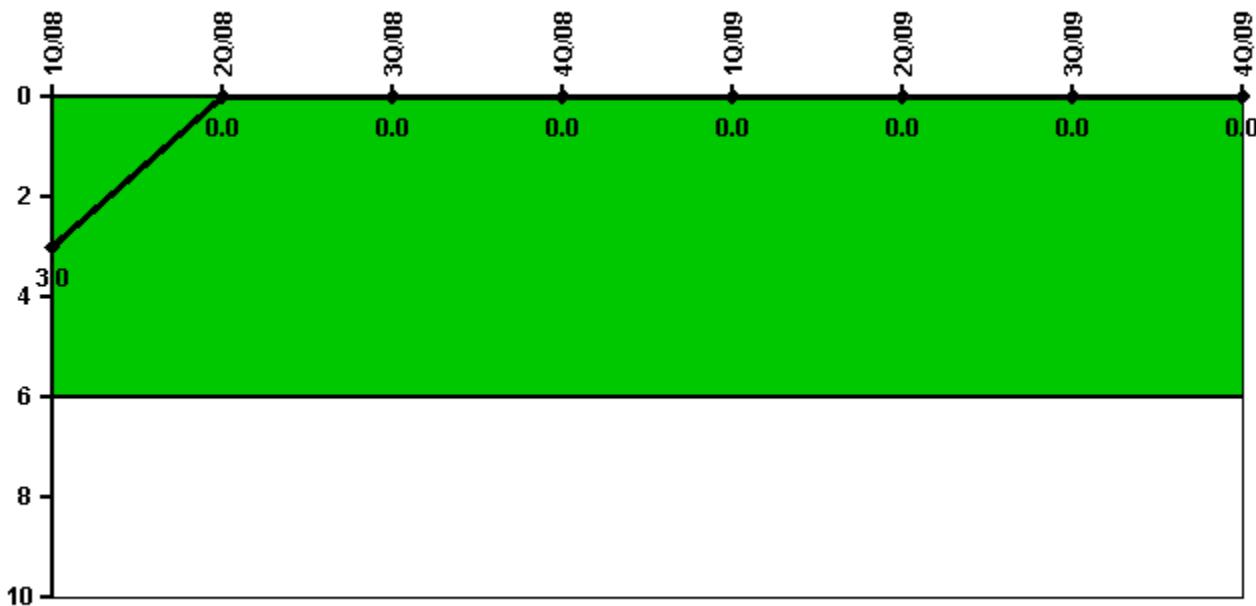
### Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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 (BWR)



Thresholds: White > 6.0

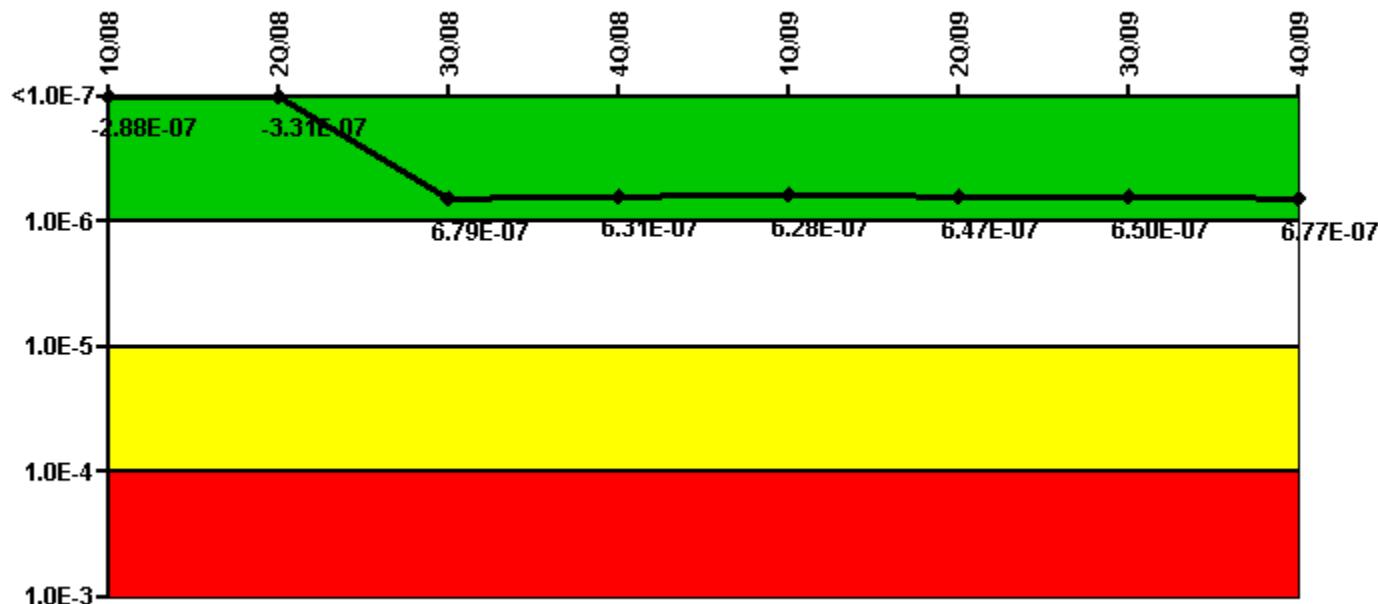
### Notes

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

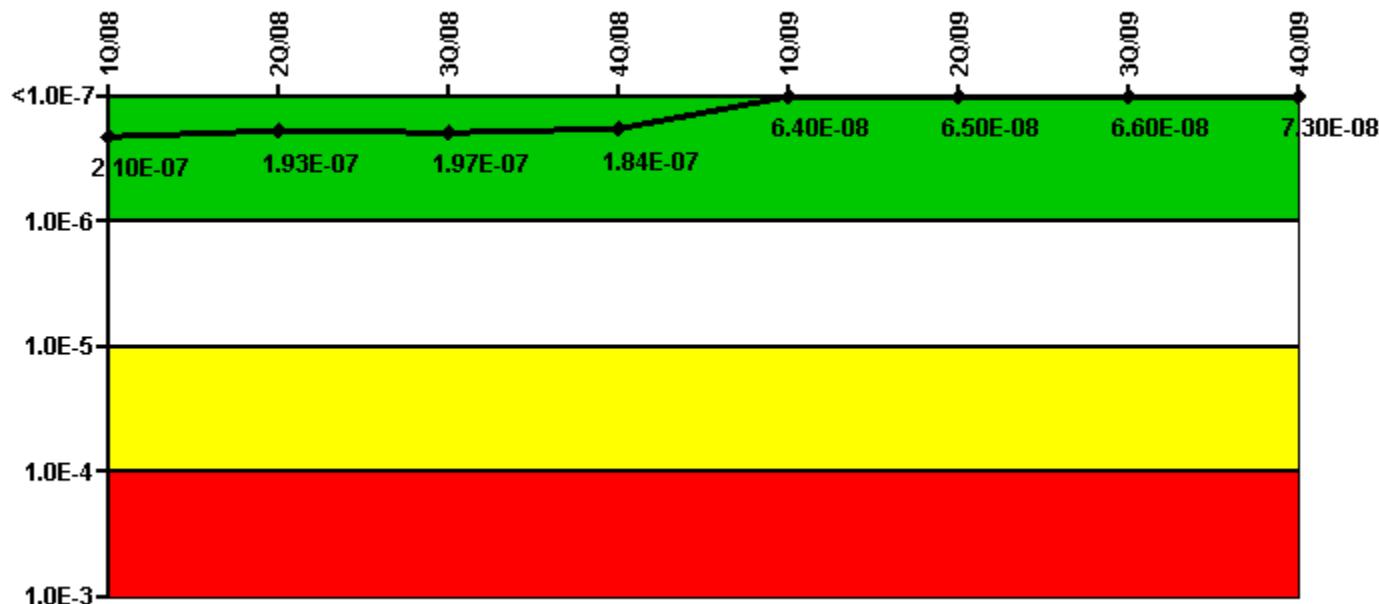
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	-1.80E-08	8.80E-09	3.90E-08	3.10E-08	2.80E-08	1.70E-08	2.00E-08	4.70E-08
URI ( $\Delta$ CDF)	-2.70E-07	-3.40E-07	6.40E-07	6.00E-07	6.00E-07	6.30E-07	6.30E-07	6.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.88E-07</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>6.77E-07</b>

Licensee Comments:

4Q/09: One Diesel event under evaluation (CR2009112068)

## Mitigating Systems Performance Index, High Pressure Injection System



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

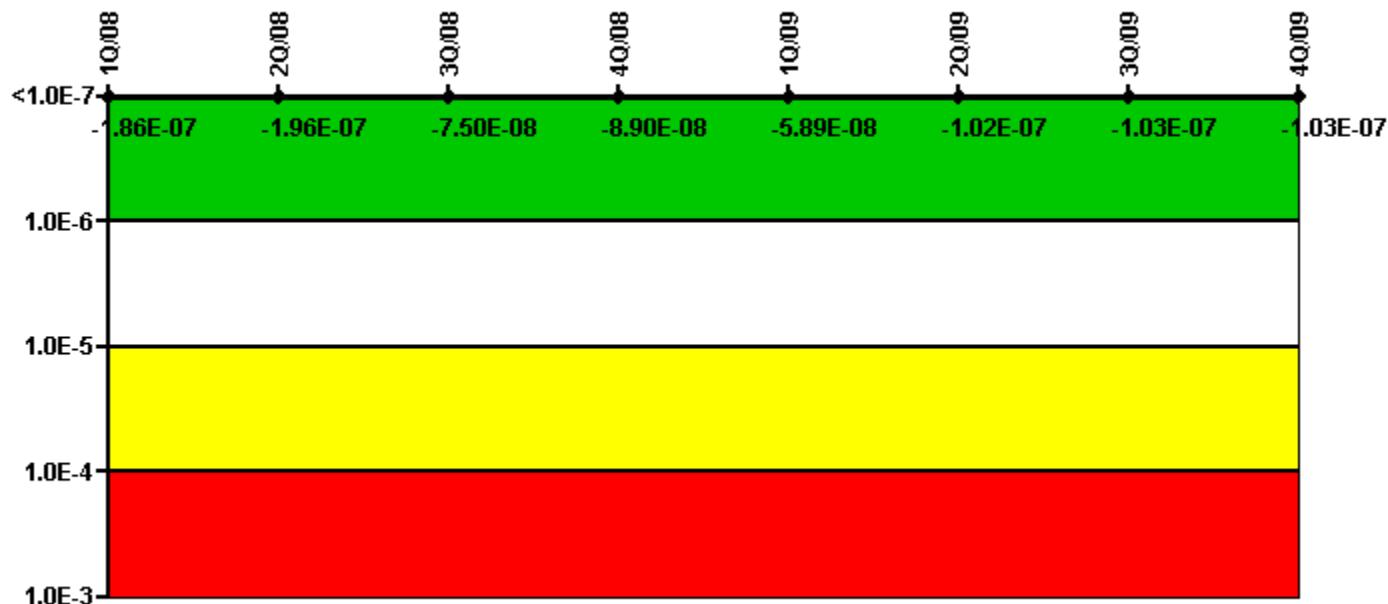
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	9.00E-08	7.30E-08	7.70E-08	7.40E-08	2.00E-08	2.10E-08	2.10E-08	2.10E-08
URI ( $\Delta$ CDF)	1.20E-07	1.20E-07	1.20E-07	1.10E-07	4.40E-08	4.40E-08	4.50E-08	5.20E-08
PLE	NO							
<b>Indicator value</b>	<b>2.10E-07</b>	<b>1.93E-07</b>	<b>1.97E-07</b>	<b>1.84E-07</b>	<b>6.40E-08</b>	<b>6.50E-08</b>	<b>6.60E-08</b>	<b>7.30E-08</b>

Licensee Comments:

4Q/08: Data entry error corrected. HPCI planned UA for Oct 2008 changed from 0 to 0.75 hours.

## Mitigating Systems Performance Index, Heat Removal System



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

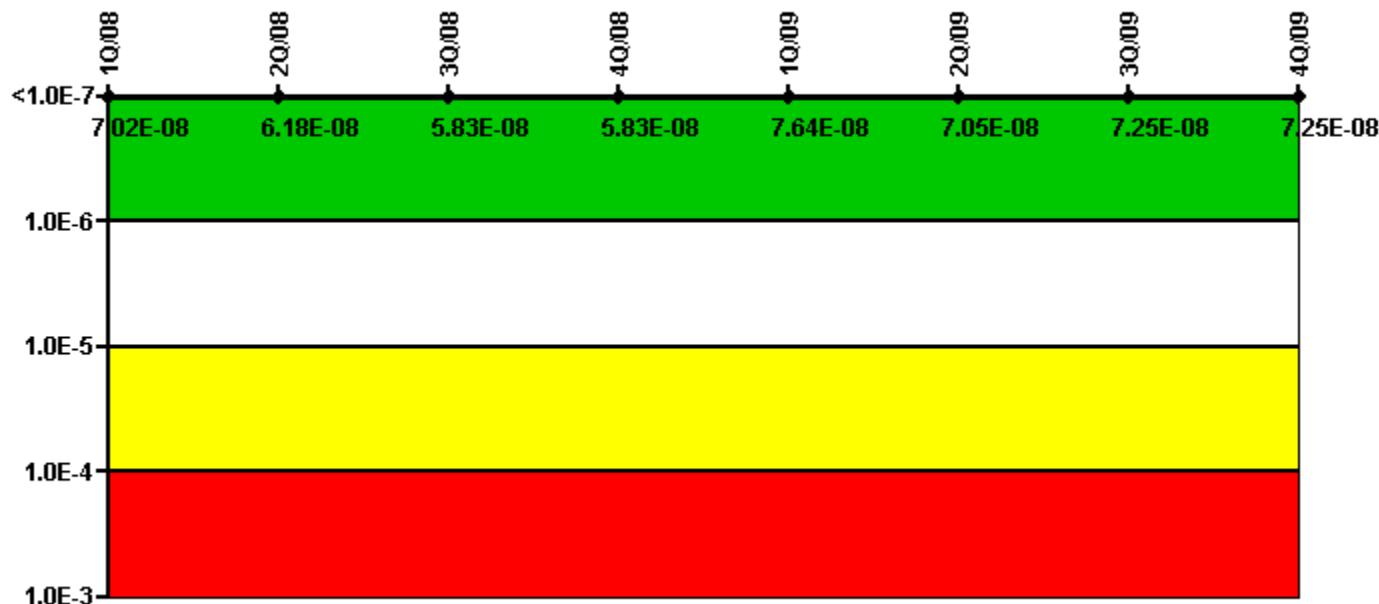
### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	-5.60E-08	-5.60E-08	6.50E-08	6.10E-08	8.10E-09	-4.10E-08	-4.10E-08	-4.10E-08
URI ( $\Delta$ CDF)	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07	-6.70E-08	-6.10E-08	-6.20E-08	-6.20E-08
PLE	NO							
Indicator value	<b>-1.86E-07</b>	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.89E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008. Data entry error corrected (HRS planned UA for October 2008 changed from 0.73 hours to 1.28 hours).

## Mitigating Systems Performance Index, Residual Heat Removal System



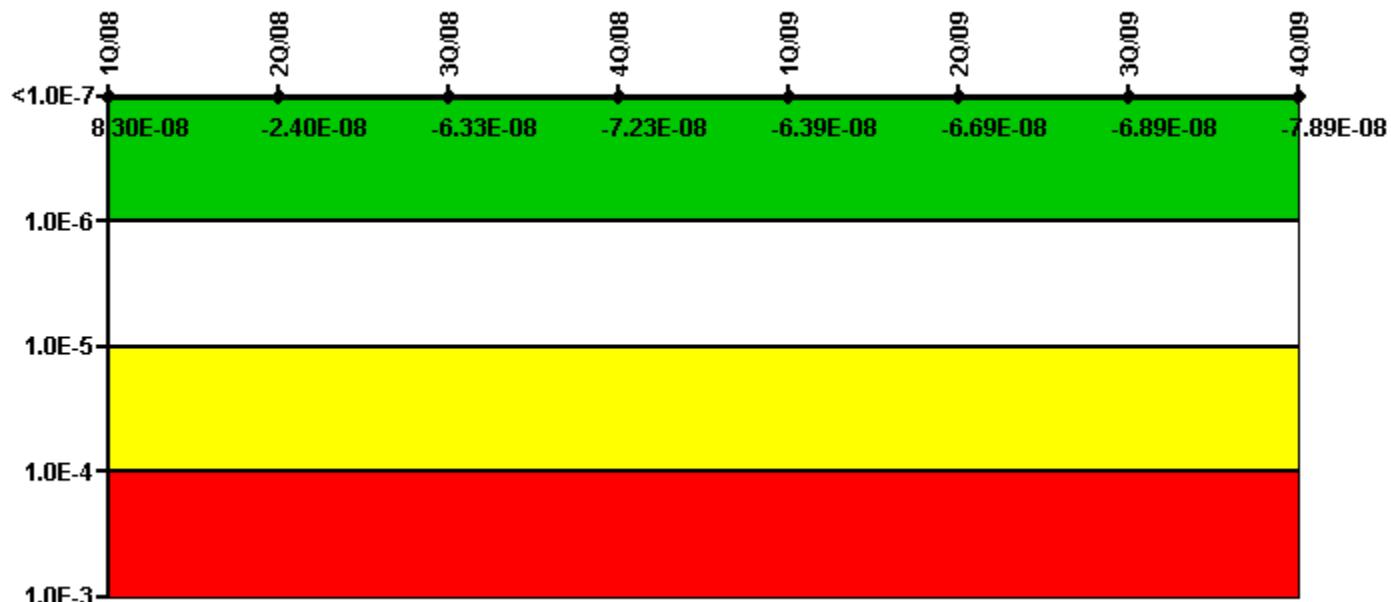
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	2.20E-09	-6.20E-09	-6.70E-09	-7.70E-09	-8.60E-09	-8.50E-09	-8.50E-09	-8.50E-09
URI ( $\Delta$ CDF)	6.80E-08	6.80E-08	6.50E-08	6.60E-08	8.50E-08	7.90E-08	8.10E-08	8.10E-08
PLE	NO							
<b>Indicator value</b>	<b>7.02E-08</b>	<b>6.18E-08</b>	<b>5.83E-08</b>	<b>5.83E-08</b>	<b>7.64E-08</b>	<b>7.05E-08</b>	<b>7.25E-08</b>	<b>7.25E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



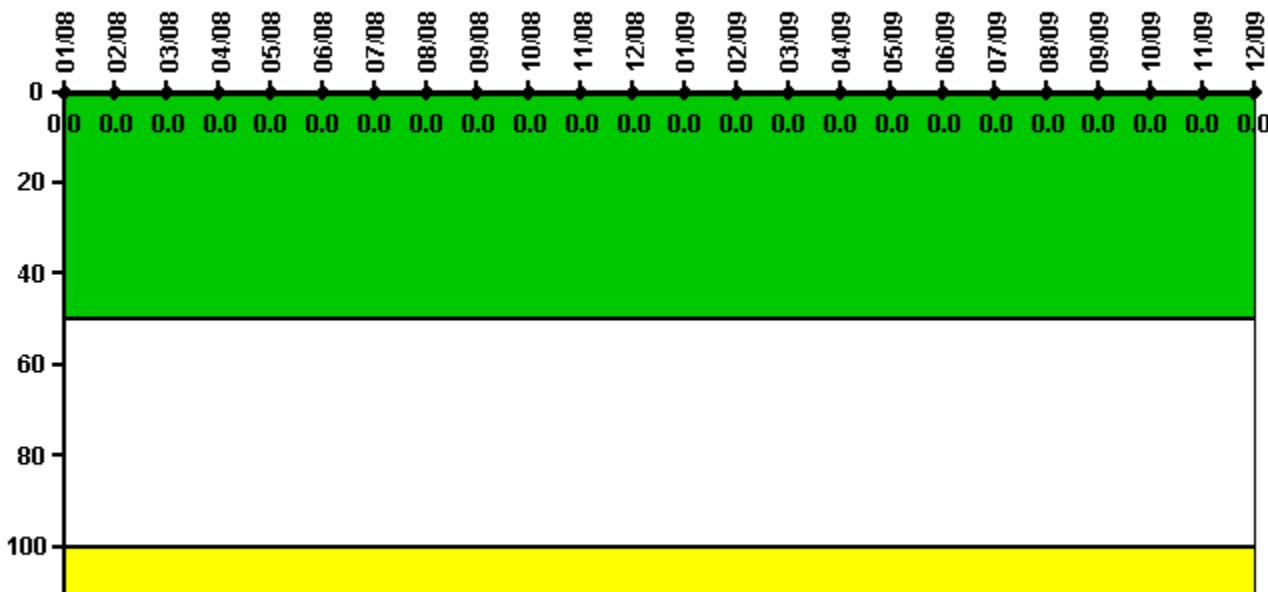
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	1.40E-07	3.80E-08	-1.30E-09	-1.30E-09	-9.10E-10	-9.00E-10	-9.00E-10	-8.60E-10
URI ( $\Delta$ CDF)	-5.70E-08	-6.20E-08	-6.20E-08	-7.10E-08	-6.30E-08	-6.60E-08	-6.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>8.30E-08</b>	<b>-2.40E-08</b>	<b>-6.33E-08</b>	<b>-7.23E-08</b>	<b>-6.39E-08</b>	<b>-6.69E-08</b>	<b>-6.89E-08</b>	<b>-7.89E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



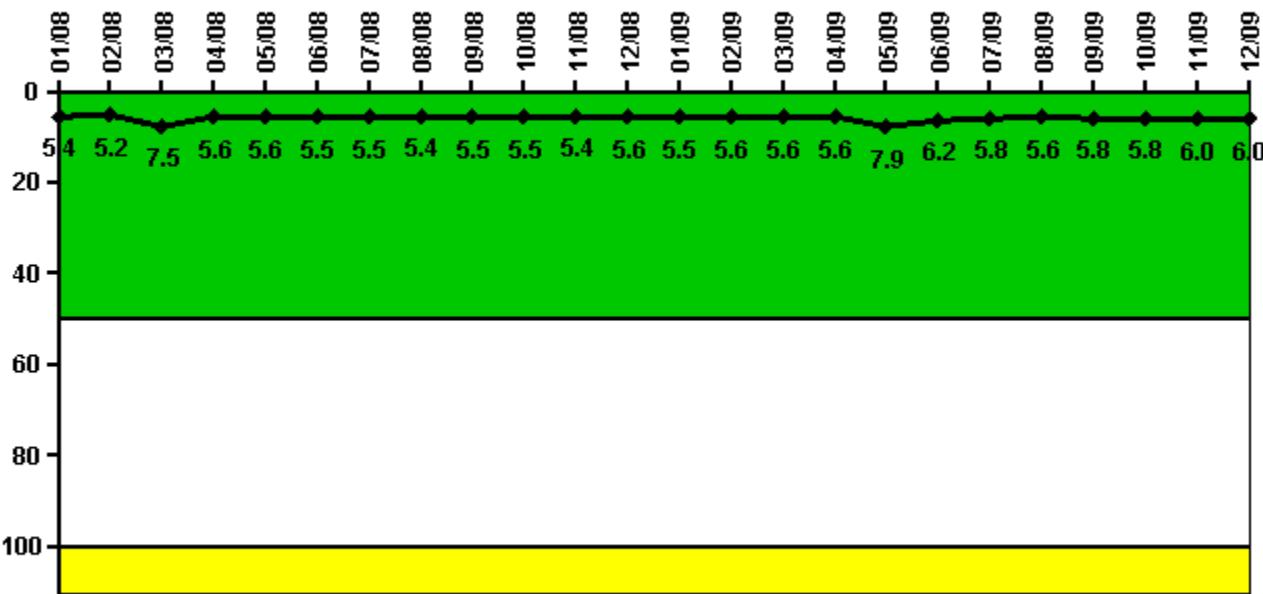
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000006	0.000003	0.000004	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008
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	0
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010	0.000005	0.000005	0.000005	0.000006	0.000004	0.000005
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



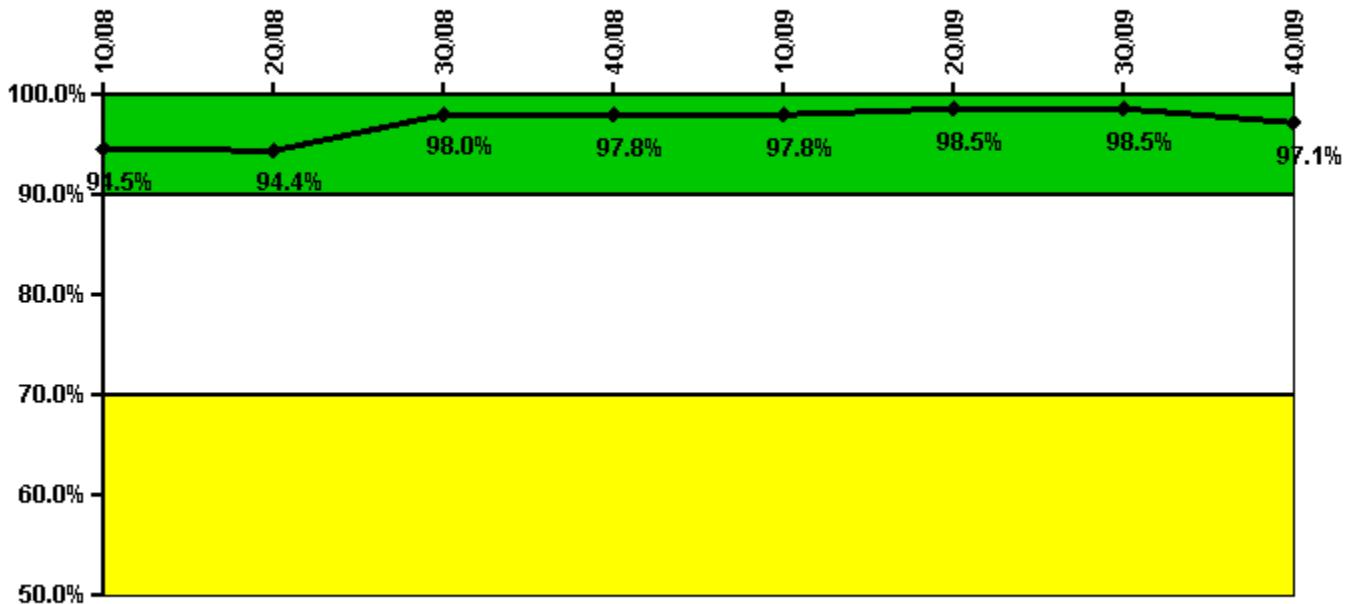
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.630	1.550	2.260	1.680	1.670	1.660	1.650	1.610	1.650	1.640	1.630	1.670
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
<b>Indicator value</b>	<b>5.4</b>	<b>5.2</b>	<b>7.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	1.650	1.690	1.680	1.670	2.360	1.860	1.730	1.680	1.730	1.740	1.790	1.810
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

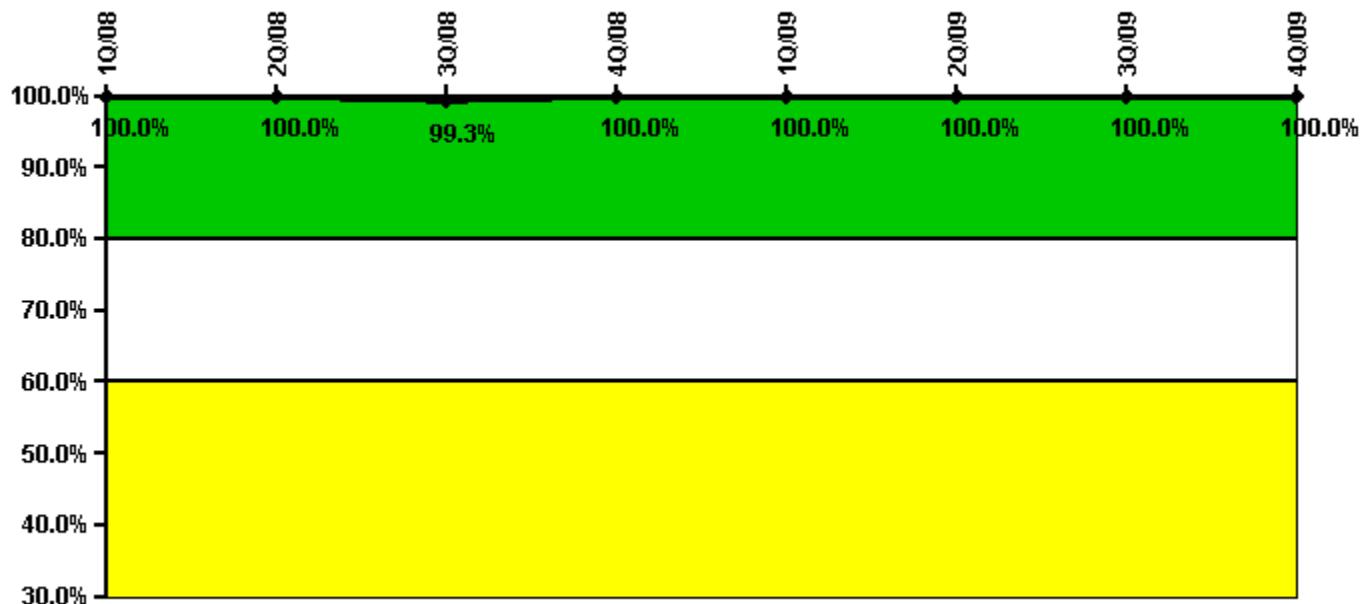
### Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	6.0	30.0	43.0	8.0	2.0	23.0	10.0	12.0
Total opportunities	6.0	32.0	43.0	8.0	2.0	23.0	10.0	14.0
<b>Indicator value</b>	<b>94.5%</b>	<b>94.4%</b>	<b>98.0%</b>	<b>97.8%</b>	<b>97.8%</b>	<b>98.5%</b>	<b>98.5%</b>	<b>97.1%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	137.0	134.0	142.0	148.0	141.0	132.0	136.0	134.0
Total Key personnel	137.0	134.0	143.0	148.0	141.0	132.0	136.0	134.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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.**

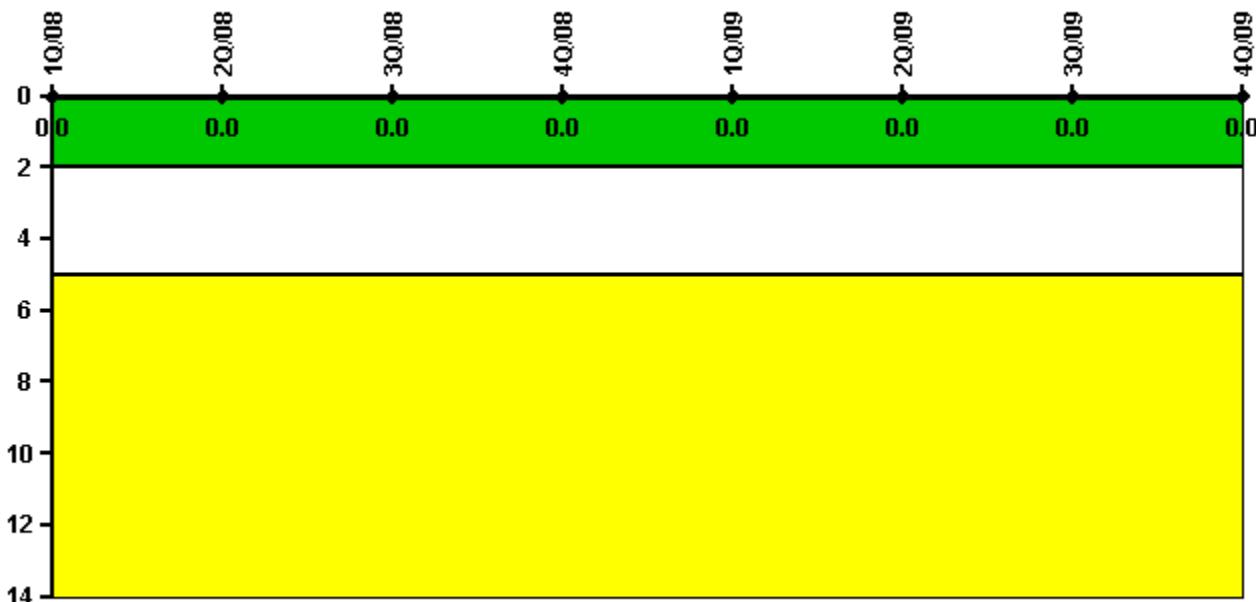
### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/08</b>	<b>2Q/08</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>	<b>3Q/09</b>	<b>4Q/09</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

4Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



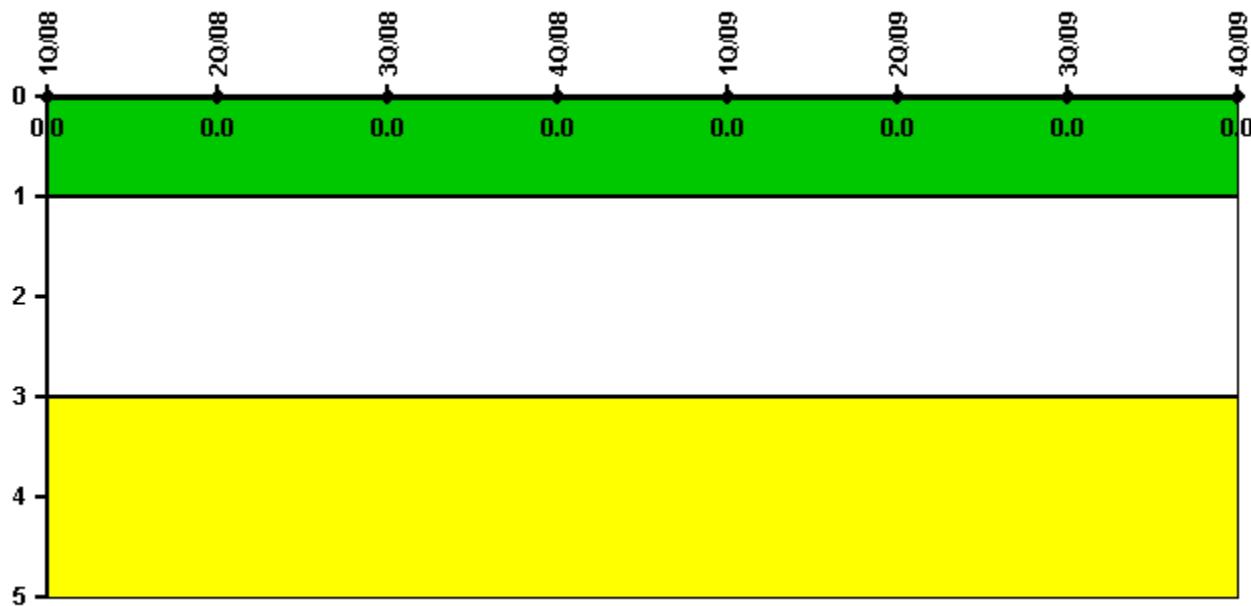
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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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[Security](#) information not publicly available.

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

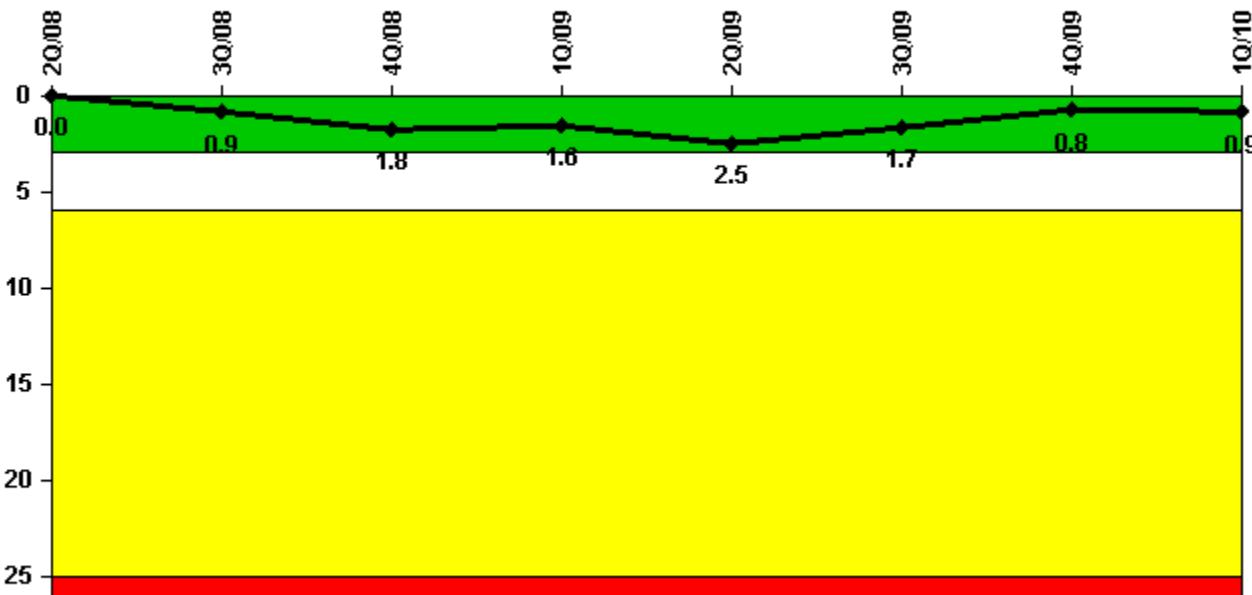
Last Modified: January 22, 2010

# Hatch 1

## 1Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



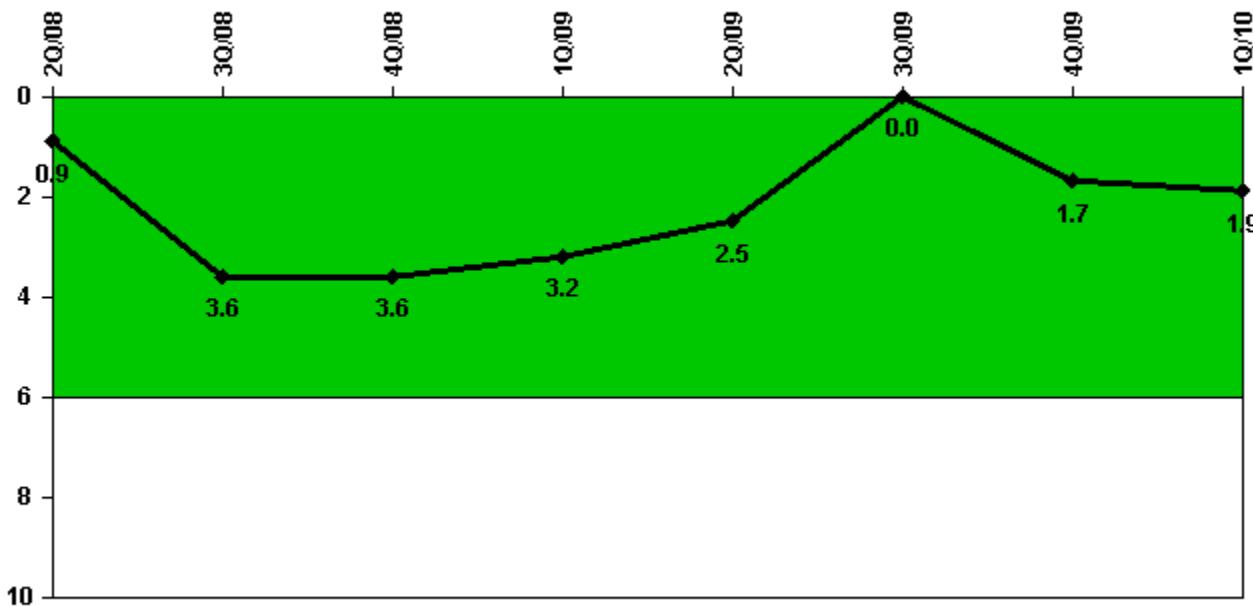
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	1.0	0	1.0	0	0	0
Critical hours	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7
Indicator value	0	0.9	1.8	1.6	2.5	1.7	0.8	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

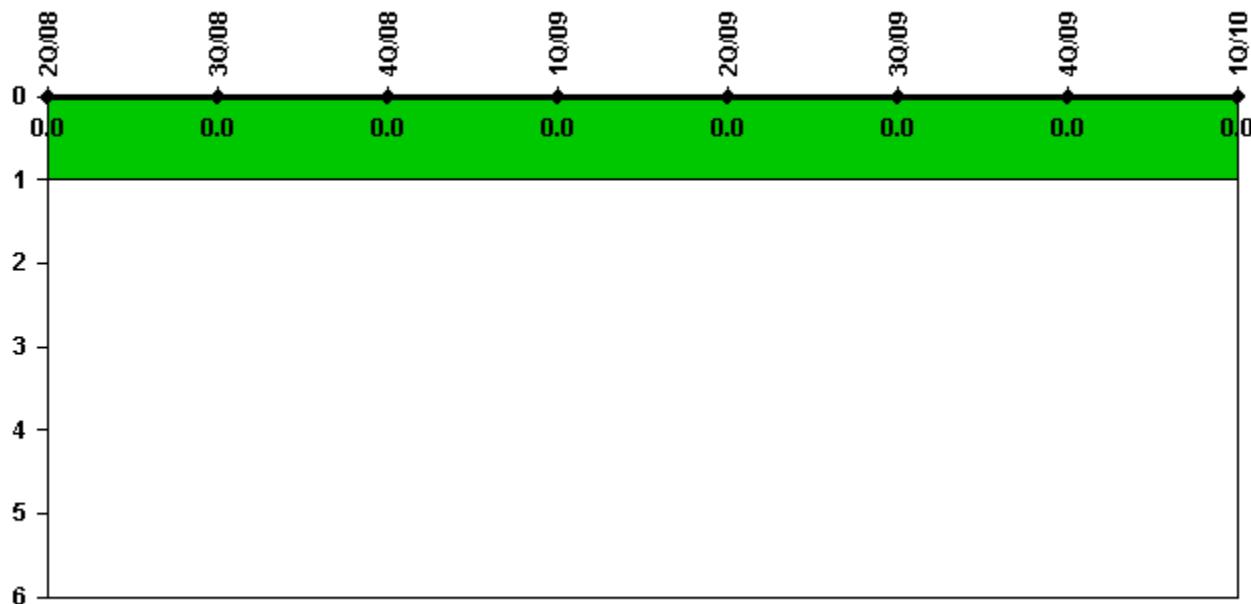
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	1.0	3.0	0	0	0	0	2.0	0
Critical hours	2184.0	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7
Indicator value	0.9	3.6	3.6	3.2	2.5	0	1.7	1.9

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

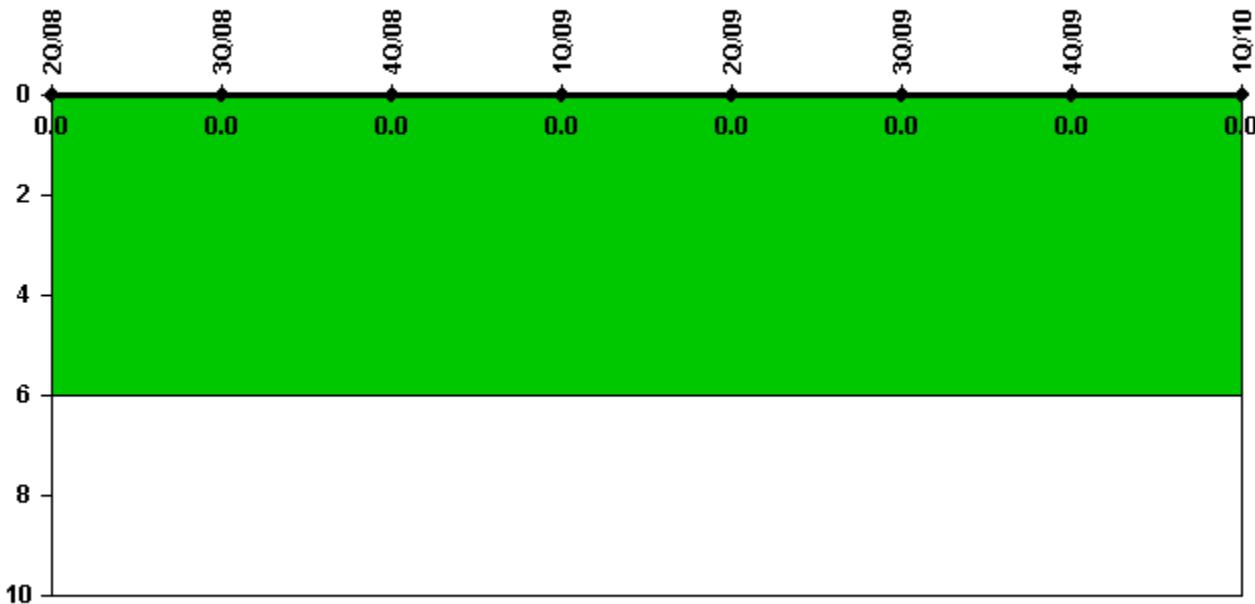
### Notes

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	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 (BWR)



Thresholds: White > 6.0

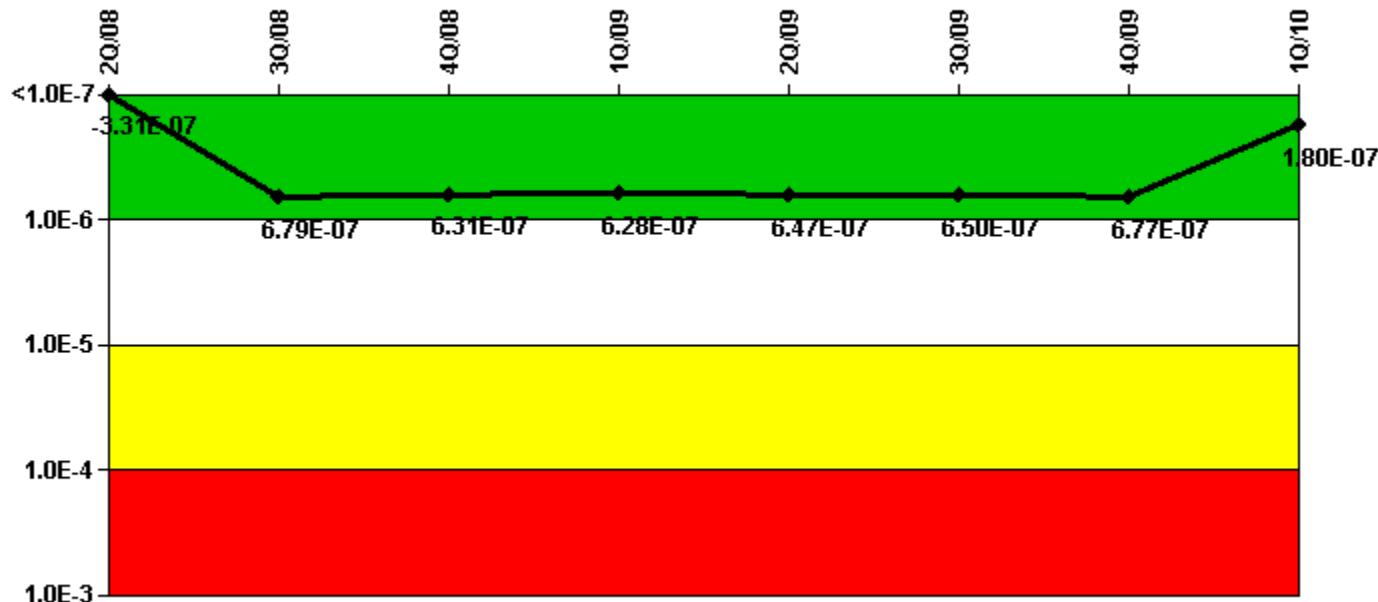
### Notes

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	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

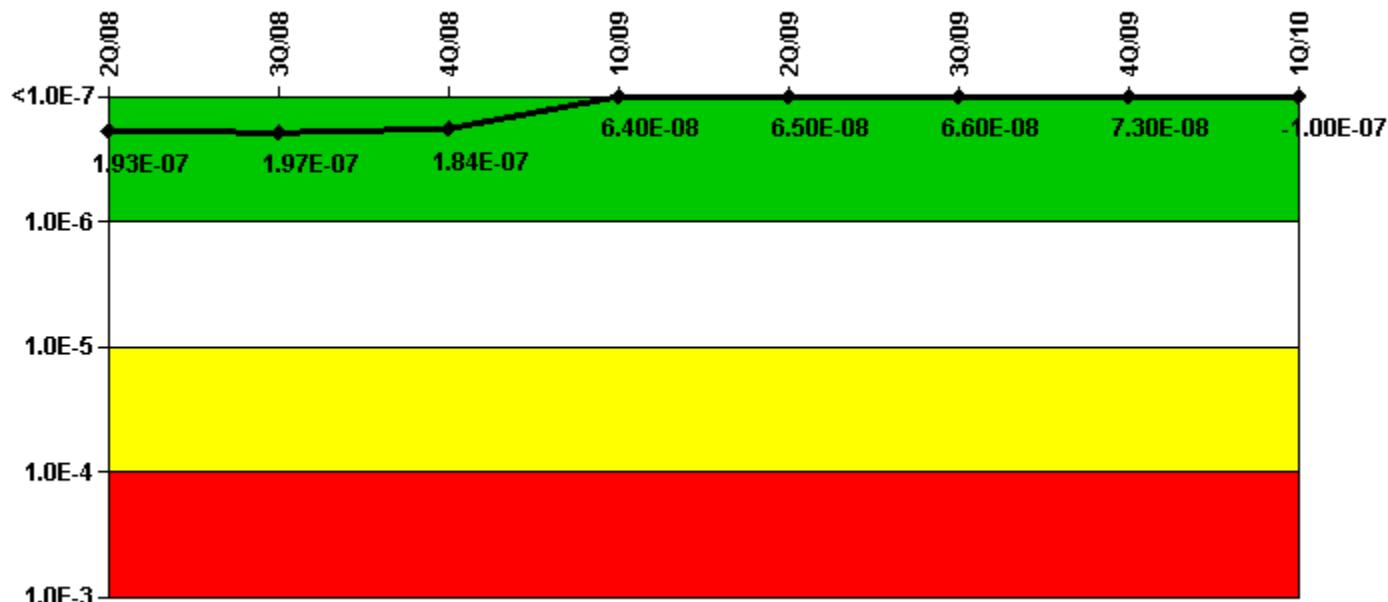
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	8.80E-09	3.90E-08	3.10E-08	2.80E-08	1.70E-08	2.00E-08	4.70E-08	5.95E-08
URI ( $\Delta$ CDF)	-3.40E-07	6.40E-07	6.00E-07	6.00E-07	6.30E-07	6.30E-07	6.30E-07	1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-3.31E-07</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>6.77E-07</b>	<b>1.80E-07</b>

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



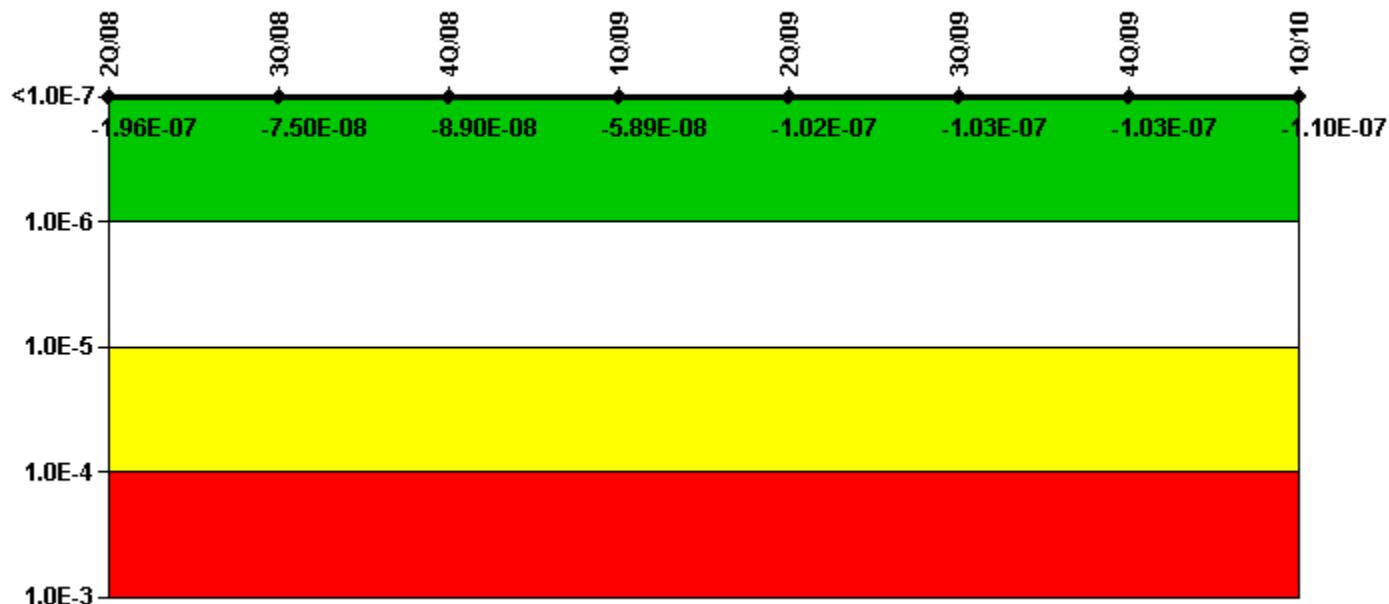
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	7.30E-08	7.70E-08	7.40E-08	2.00E-08	2.10E-08	2.10E-08	2.10E-08	-3.64E-08
URI ( $\Delta$ CDF)	1.20E-07	1.20E-07	1.10E-07	4.40E-08	4.40E-08	4.50E-08	5.20E-08	-6.69E-08
PLE	NO							
Indicator value	<b>1.93E-07</b>	<b>1.97E-07</b>	<b>1.84E-07</b>	<b>6.40E-08</b>	<b>6.50E-08</b>	<b>6.60E-08</b>	<b>7.30E-08</b>	<b>-1.00E-07</b>

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)	-5.60E-08	6.50E-08	6.10E-08	8.10E-09	-4.10E-08	-4.10E-08	-4.10E-08	-4.02E-08
URI ( $\Delta$ CDF)	-1.40E-07	-1.40E-07	-1.50E-07	-6.70E-08	-6.10E-08	-6.20E-08	-6.20E-08	-6.69E-08
PLE	NO							
Indicator value	<b>-1.96E-07</b>	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.89E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



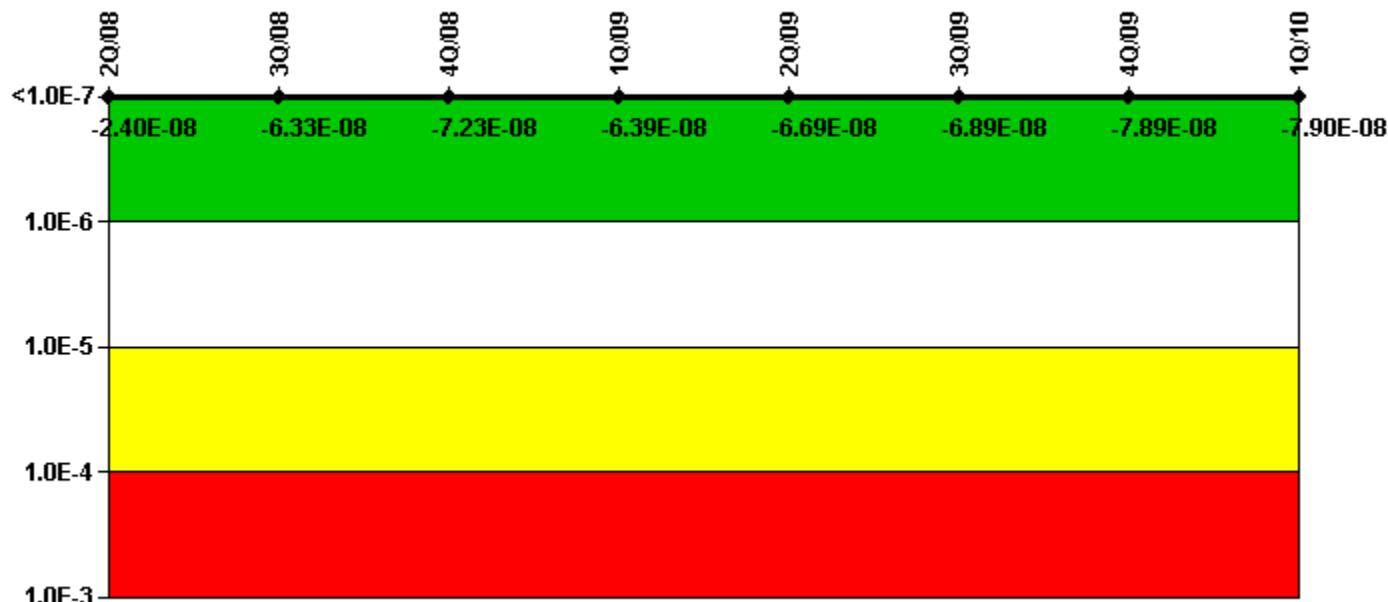
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-6.20E-09	-6.70E-09	-7.70E-09	-8.60E-09	-8.50E-09	-8.50E-09	-8.50E-09	-1.07E-08
URI ( $\Delta$ CDF)	6.80E-08	6.50E-08	6.60E-08	8.50E-08	7.90E-08	8.10E-08	8.10E-08	-2.89E-08
PLE	NO							
Indicator value	<b>6.18E-08</b>	<b>5.83E-08</b>	<b>5.83E-08</b>	<b>7.64E-08</b>	<b>7.05E-08</b>	<b>7.25E-08</b>	<b>7.25E-08</b>	<b>-4.00E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



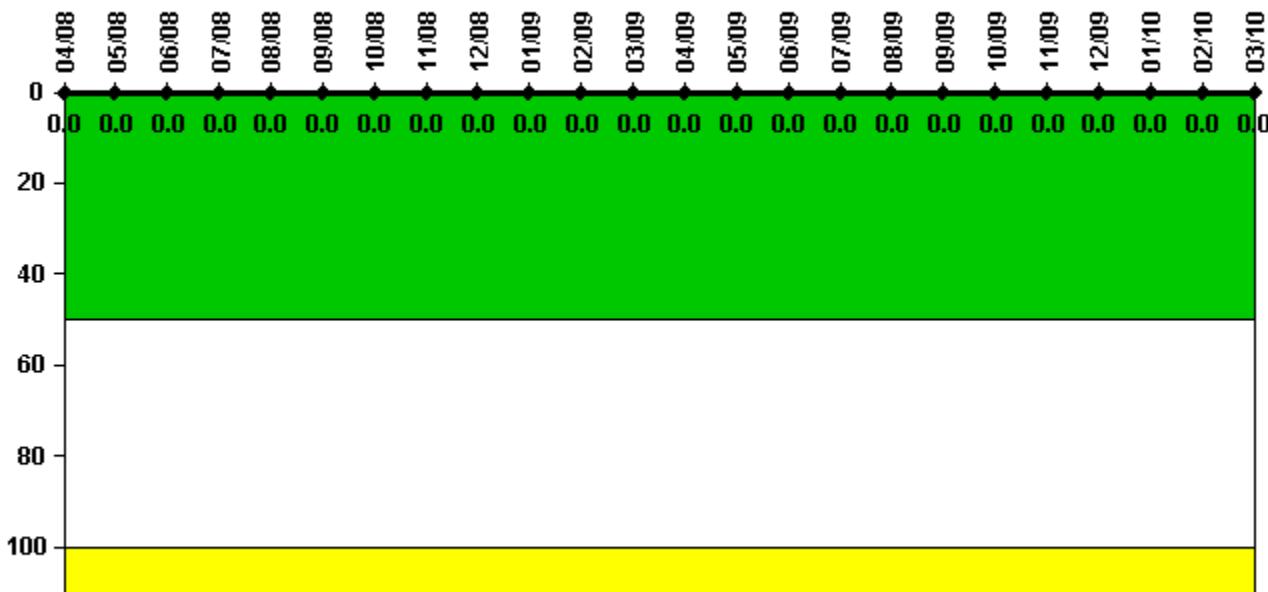
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	3.80E-08	-1.30E-09	-1.30E-09	-9.10E-10	-9.00E-10	-9.00E-10	-8.60E-10	-8.29E-10
URI ( $\Delta$ CDF)	-6.20E-08	-6.20E-08	-7.10E-08	-6.30E-08	-6.60E-08	-6.80E-08	-7.80E-08	-7.82E-08
PLE	NO							
Indicator value	-2.40E-08	-6.33E-08	-7.23E-08	-6.39E-08	-6.69E-08	-6.89E-08	-7.89E-08	-7.90E-08

Licensee Comments: none

## Reactor Coolant System Activity



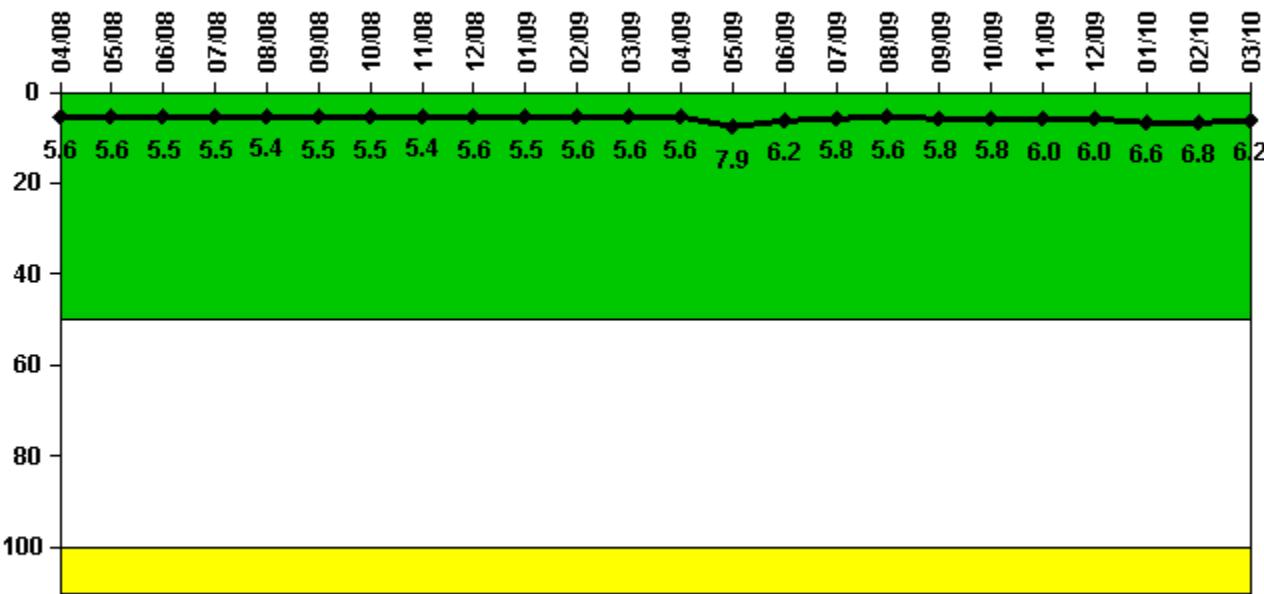
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000004	0.000005	0.000007	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008
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	0
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	0.000005	0.000006	0.000010	0.000005	0.000005	0.000005	0.000006	0.000004	0.000005	0.000009	0.000007	0.000002
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



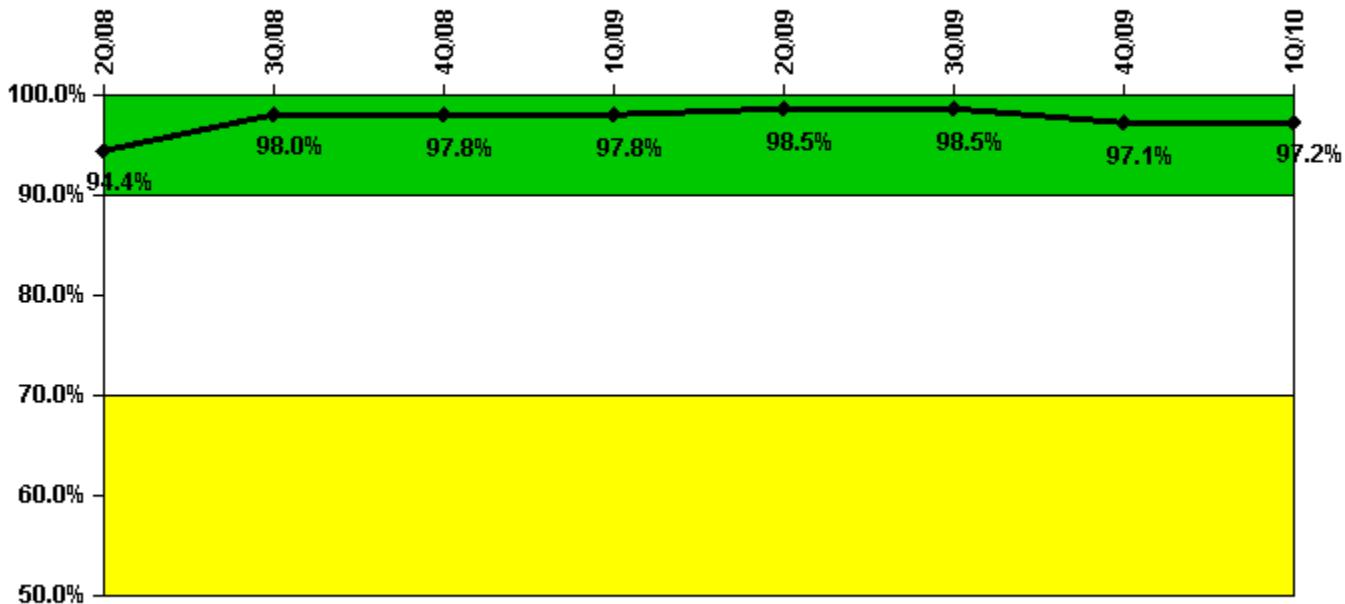
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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 leakage	1.680	1.670	1.660	1.650	1.610	1.650	1.640	1.630	1.670	1.650	1.690	1.680
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>
Reactor Coolant System Leakage	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 leakage	1.670	2.360	1.860	1.730	1.680	1.730	1.740	1.790	1.810	1.970	2.040	1.850
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
<b>Indicator value</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

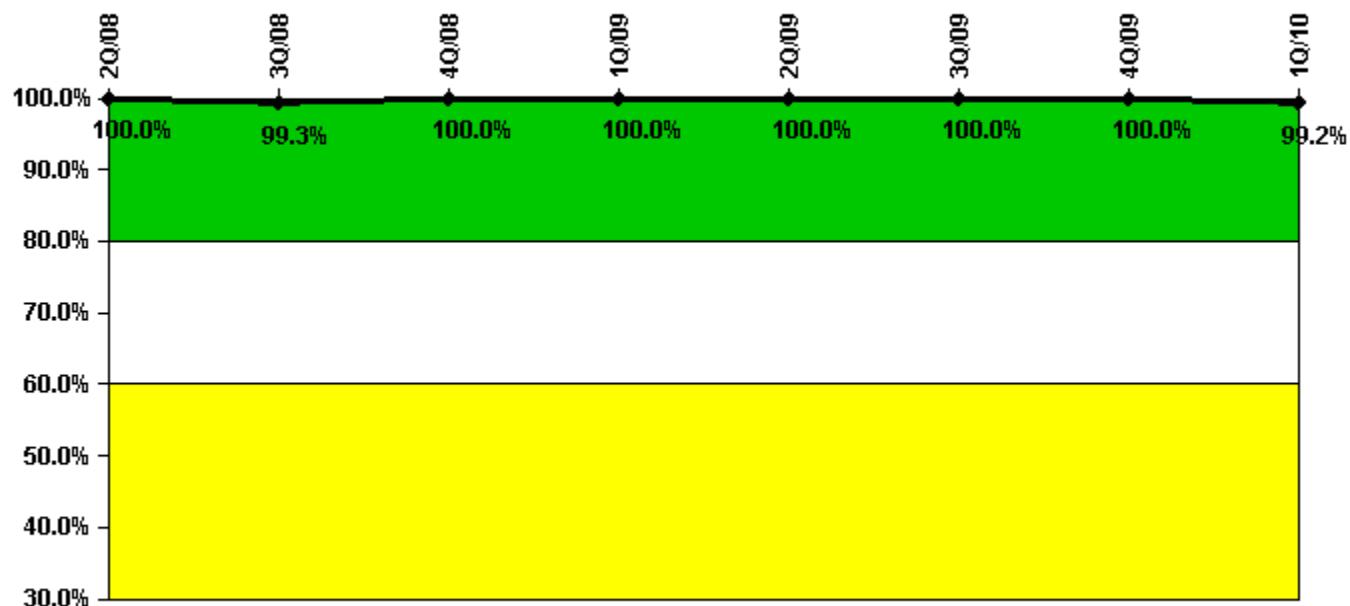
### Notes

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
<b>Indicator value</b>	<b>94.4%</b>	<b>98.0%</b>	<b>97.8%</b>	<b>97.8%</b>	<b>98.5%</b>	<b>98.5%</b>	<b>97.1%</b>	<b>97.2%</b>

Licensee Comments: none

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## 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	<b>100.0%</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

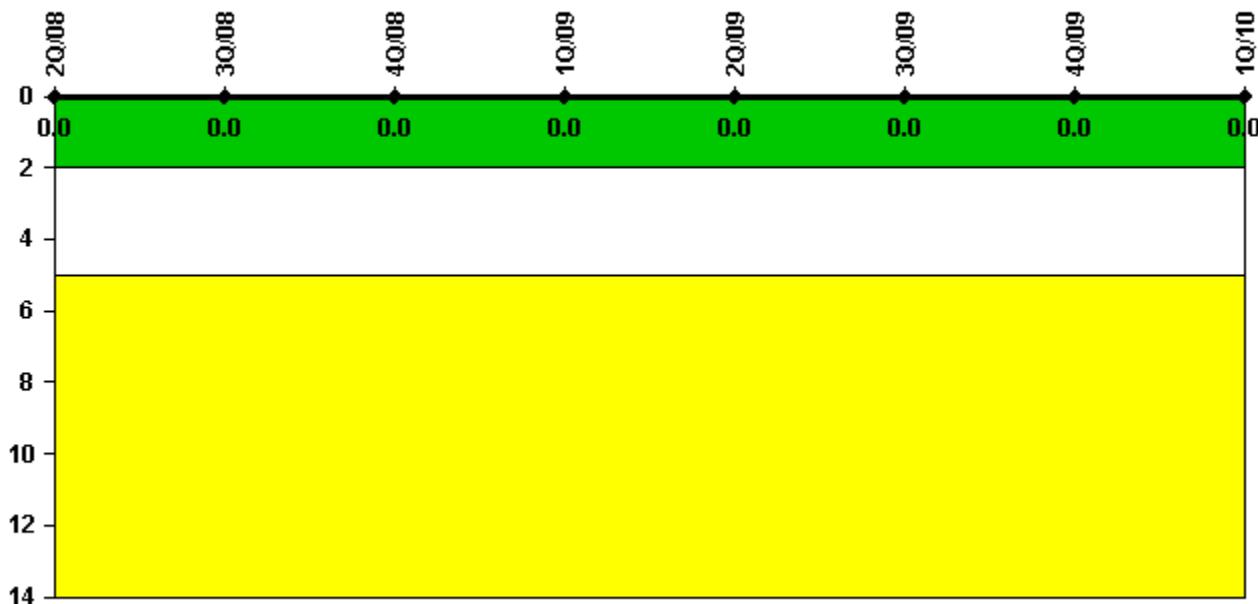
### **Notes**

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

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



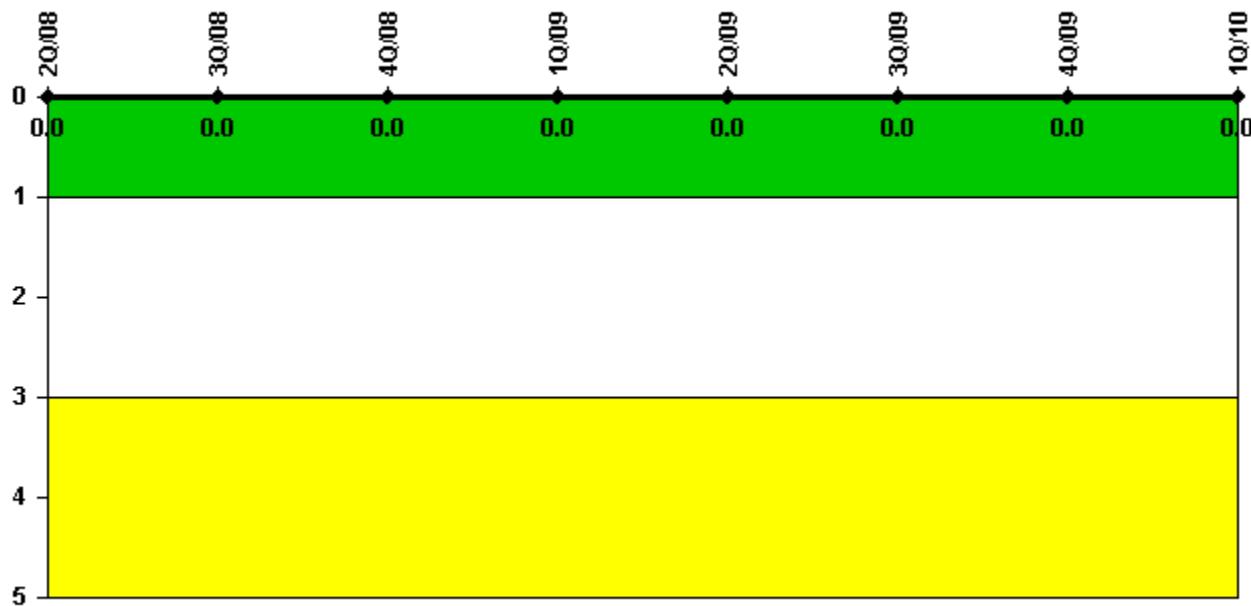
Thresholds: White > 2.0 Yellow > 5.0

### 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>							

Licensee Comments: none

## 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

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[Security](#) information not publicly available.

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

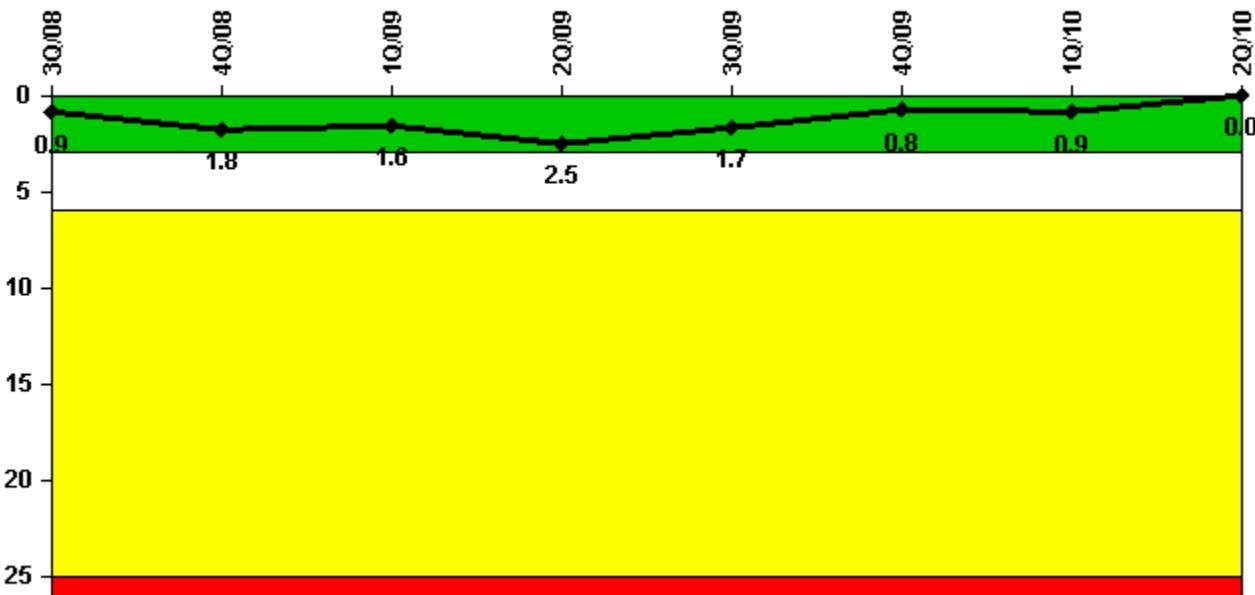
Last Modified: April 26, 2010

# Hatch 1

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



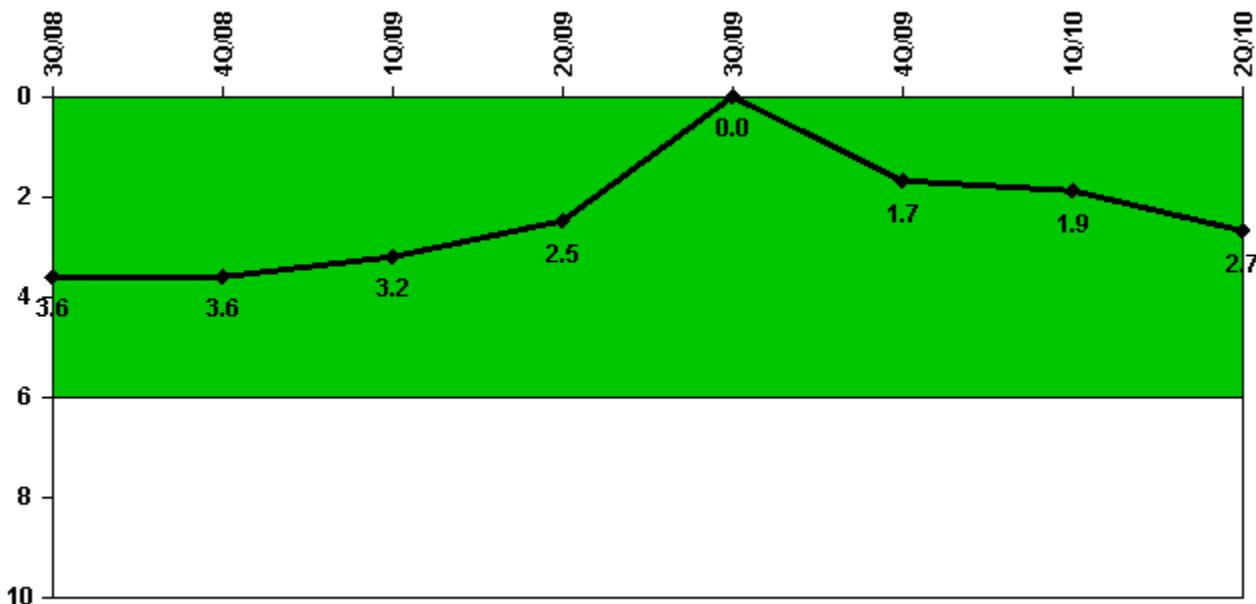
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	1.0	0	1.0	0	0	0	0
Critical hours	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0
Indicator value	0.9	1.8	1.6	2.5	1.7	0.8	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

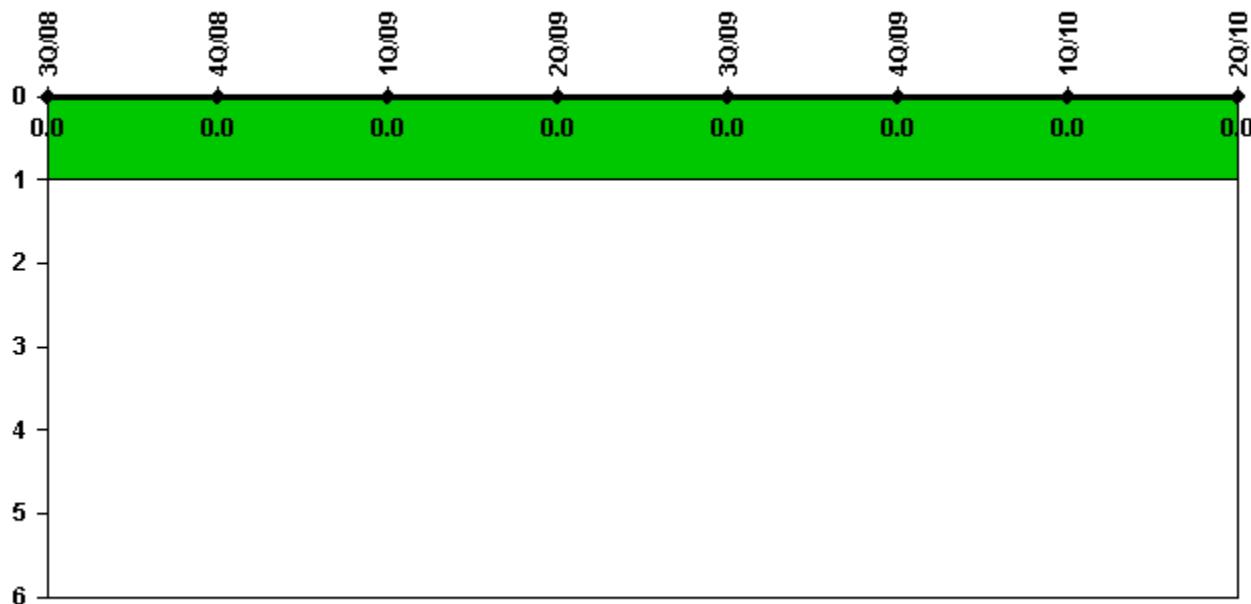
### Notes

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	3.0	0	0	0	0	2.0	0	1.0
Critical hours	2154.2	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0
Indicator value	<b>3.6</b>	<b>3.6</b>	<b>3.2</b>	<b>2.5</b>	<b>0</b>	<b>1.7</b>	<b>1.9</b>	<b>2.7</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

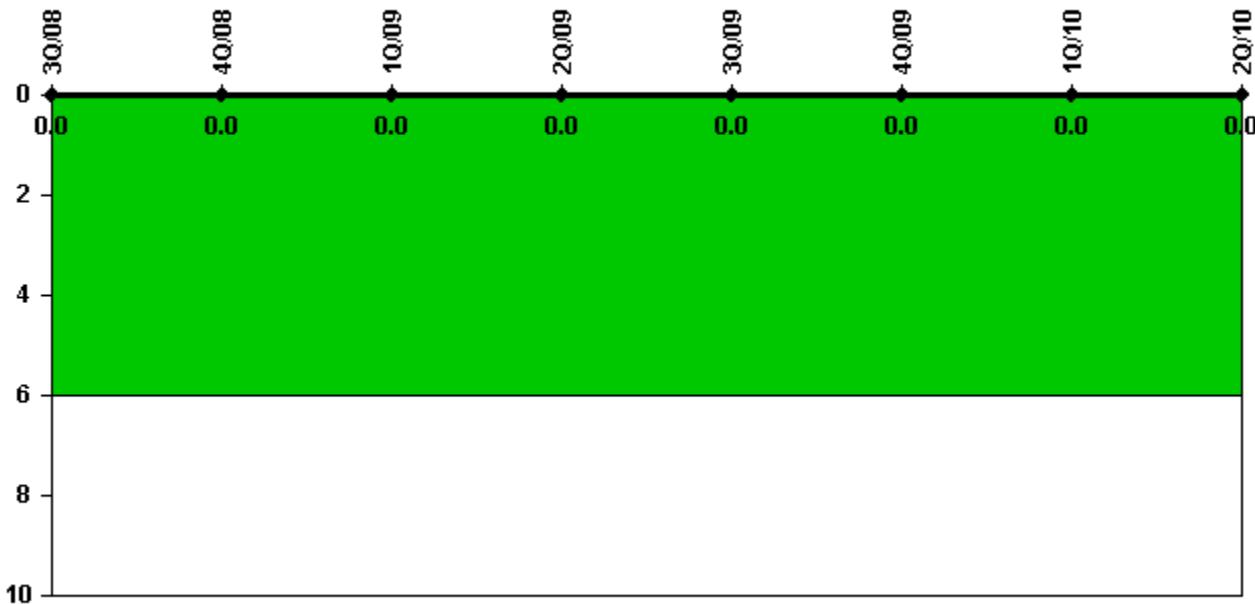
### Notes

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 (BWR)



Thresholds: White > 6.0

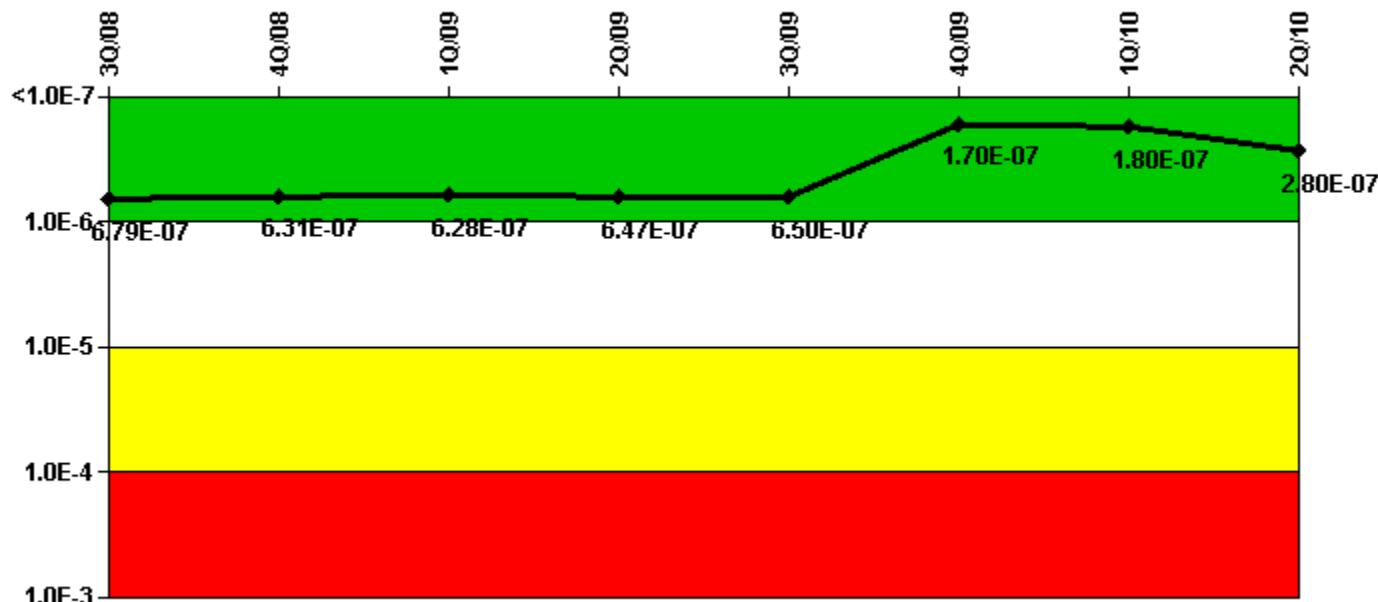
### Notes

Safety System Functional Failures (BWR)	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	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

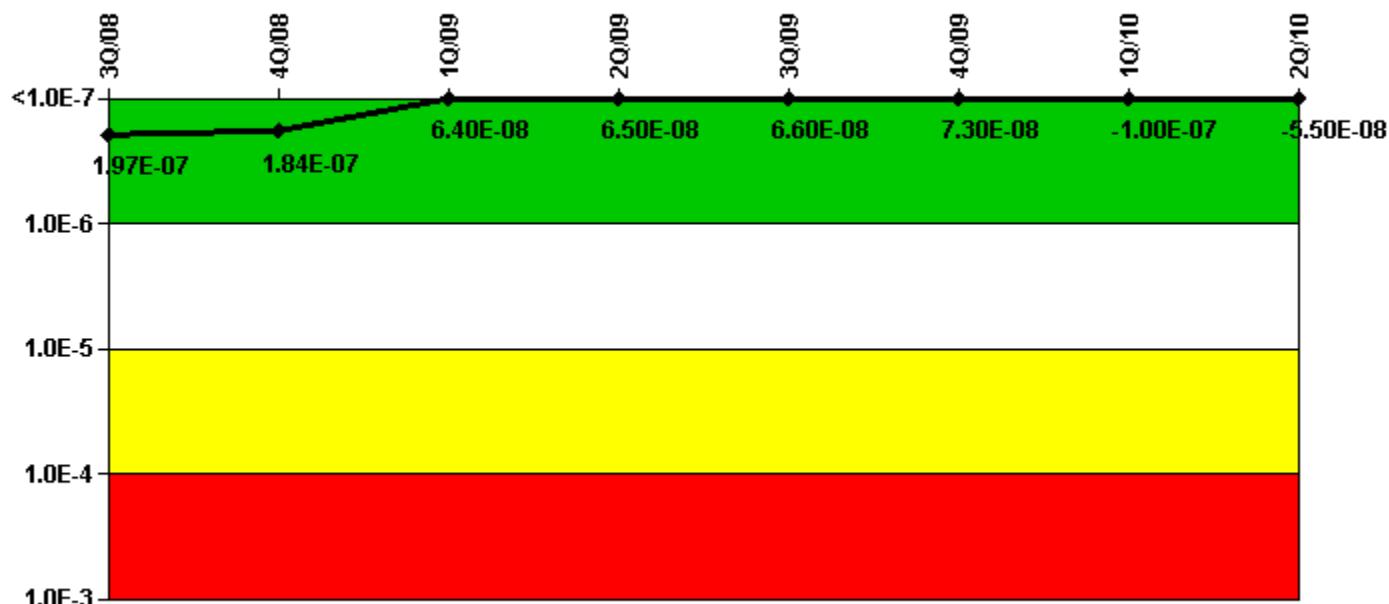
Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	3.90E-08	3.10E-08	2.80E-08	1.70E-08	2.00E-08	4.72E-08	5.95E-08	5.57E-08
URI ( $\Delta$ CDF)	6.40E-07	6.00E-07	6.00E-07	6.30E-07	6.30E-07	1.24E-07	1.16E-07	2.25E-07
PLE	NO							
<b>Indicator value</b>	<b>6.79E-07</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>1.70E-07</b>	<b>1.80E-07</b>	<b>2.80E-07</b>

Licensee Comments:

2Q/10: Risk Cap Invoked.

4Q/09: Risk Cap Invoked. One Diesel event under evaluation (CR2009112068). Update: The engineering evaluation is complete and this event was determined not to be a failure.

## Mitigating Systems Performance Index, High Pressure Injection System



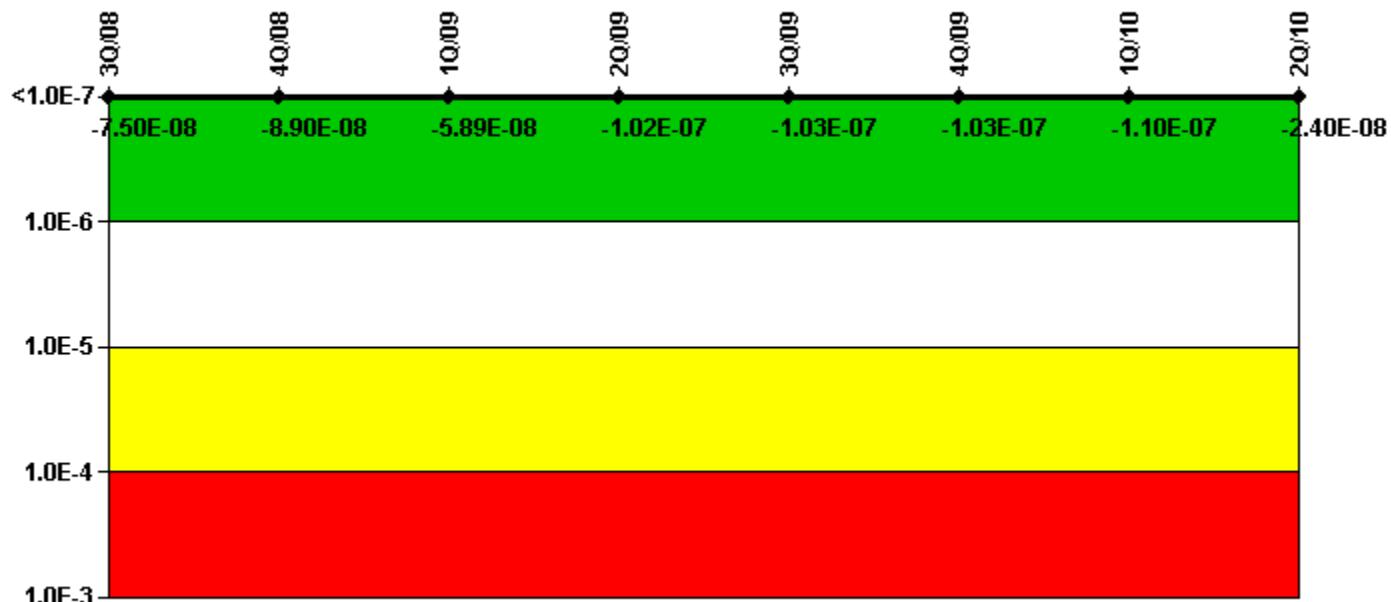
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	7.70E-08	7.40E-08	2.00E-08	2.10E-08	2.10E-08	2.10E-08	-3.64E-08	1.55E-08
URI ( $\Delta$ CDF)	1.20E-07	1.10E-07	4.40E-08	4.40E-08	4.50E-08	5.20E-08	-6.69E-08	-7.04E-08
PLE	NO	NO						
Indicator value	<b>1.97E-07</b>	<b>1.84E-07</b>	<b>6.40E-08</b>	<b>6.50E-08</b>	<b>6.60E-08</b>	<b>7.30E-08</b>	<b>-1.00E-07</b>	<b>-5.50E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



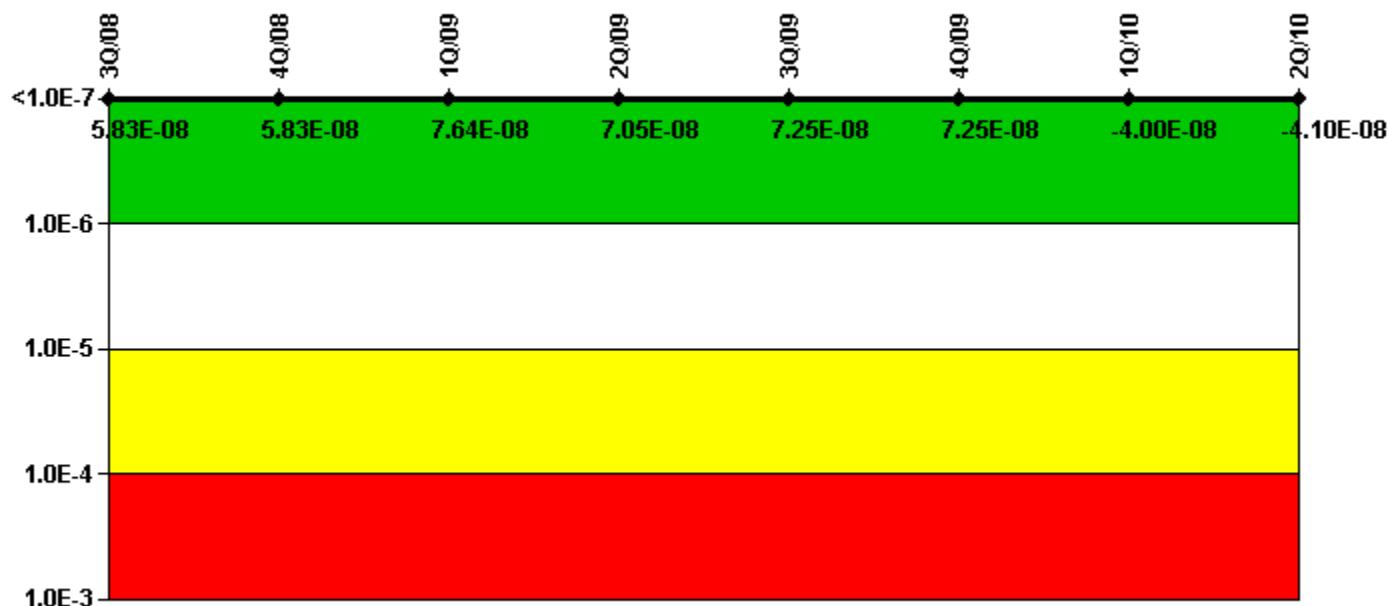
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	6.50E-08	6.10E-08	8.10E-09	-4.10E-08	-4.10E-08	-4.10E-08	-4.02E-08	4.60E-08
URI ( $\Delta$ CDF)	-1.40E-07	-1.50E-07	-6.70E-08	-6.10E-08	-6.20E-08	-6.20E-08	-6.69E-08	-6.96E-08
PLE	NO							
Indicator value	<b>-7.50E-08</b>	<b>-8.90E-08</b>	<b>-5.89E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



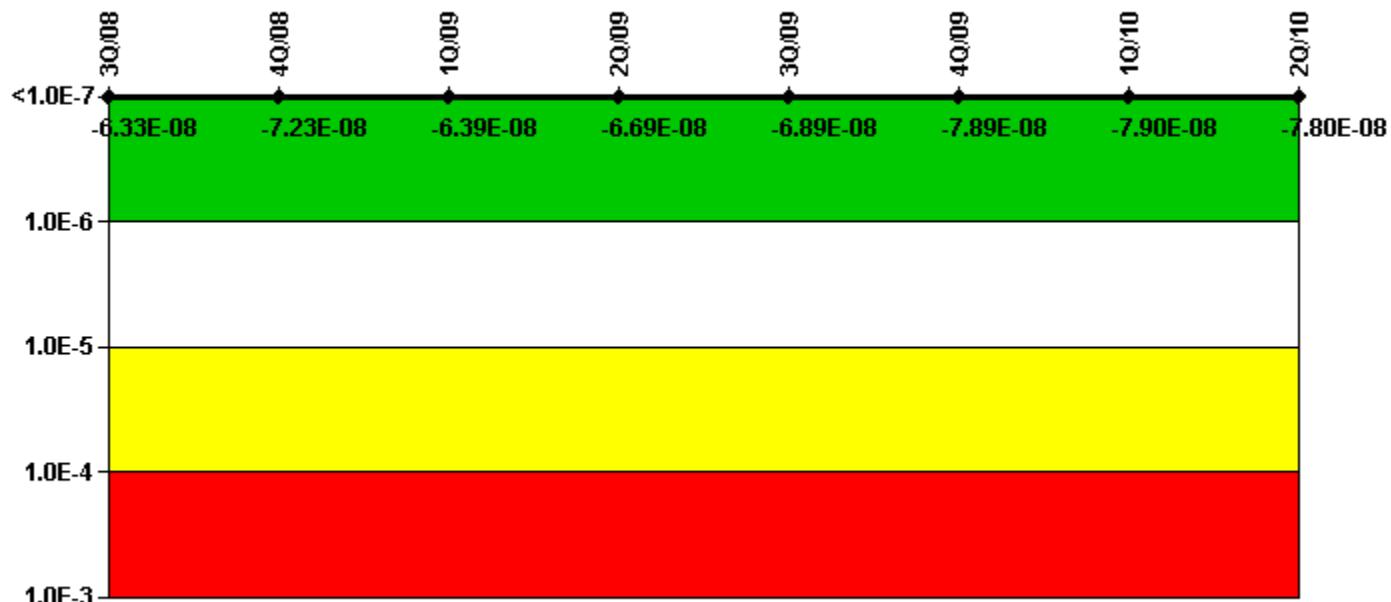
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-6.70E-09	-7.70E-09	-8.60E-09	-8.50E-09	-8.50E-09	-8.50E-09	-1.07E-08	-1.13E-08
URI ( $\Delta$ CDF)	6.50E-08	6.60E-08	8.50E-08	7.90E-08	8.10E-08	8.10E-08	-2.89E-08	-2.92E-08
PLE	NO							
Indicator value	5.83E-08	5.83E-08	7.64E-08	7.05E-08	7.25E-08	7.25E-08	-4.00E-08	-4.10E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



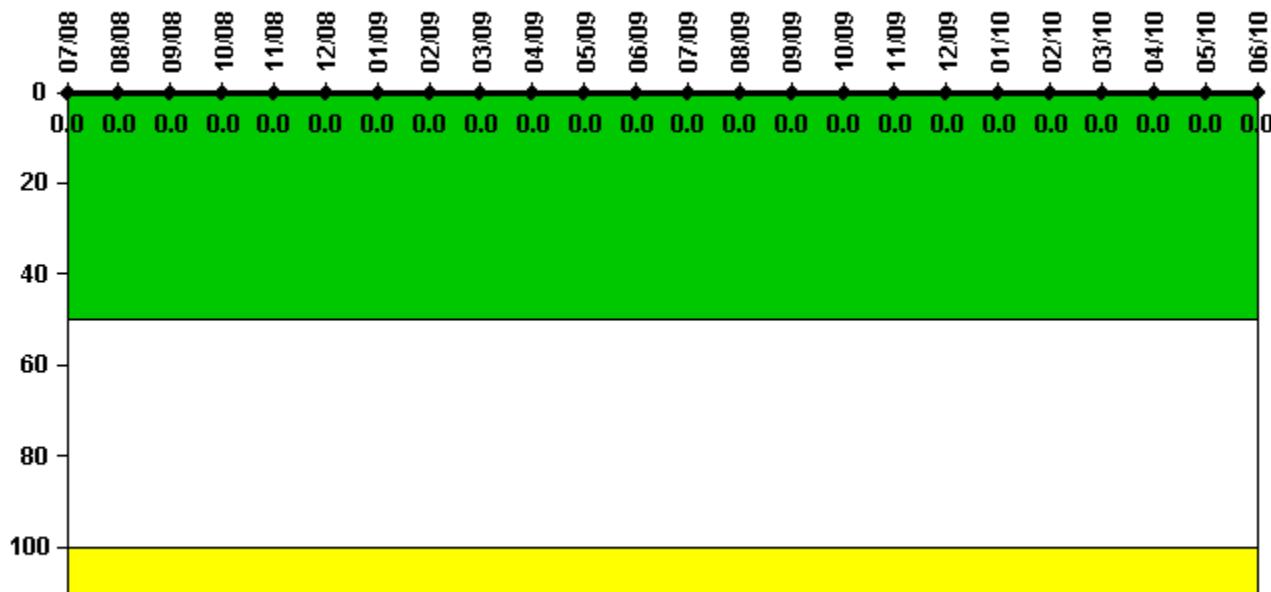
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-1.30E-09	-1.30E-09	-9.10E-10	-9.00E-10	-9.00E-10	-8.60E-10	-8.29E-10	-2.40E-10
URI ( $\Delta$ CDF)	-6.20E-08	-7.10E-08	-6.30E-08	-6.60E-08	-6.80E-08	-7.80E-08	-7.82E-08	-7.73E-08
PLE	NO							
Indicator value	<b>-6.33E-08</b>	<b>-7.23E-08</b>	<b>-6.39E-08</b>	<b>-6.69E-08</b>	<b>-6.89E-08</b>	<b>-7.89E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



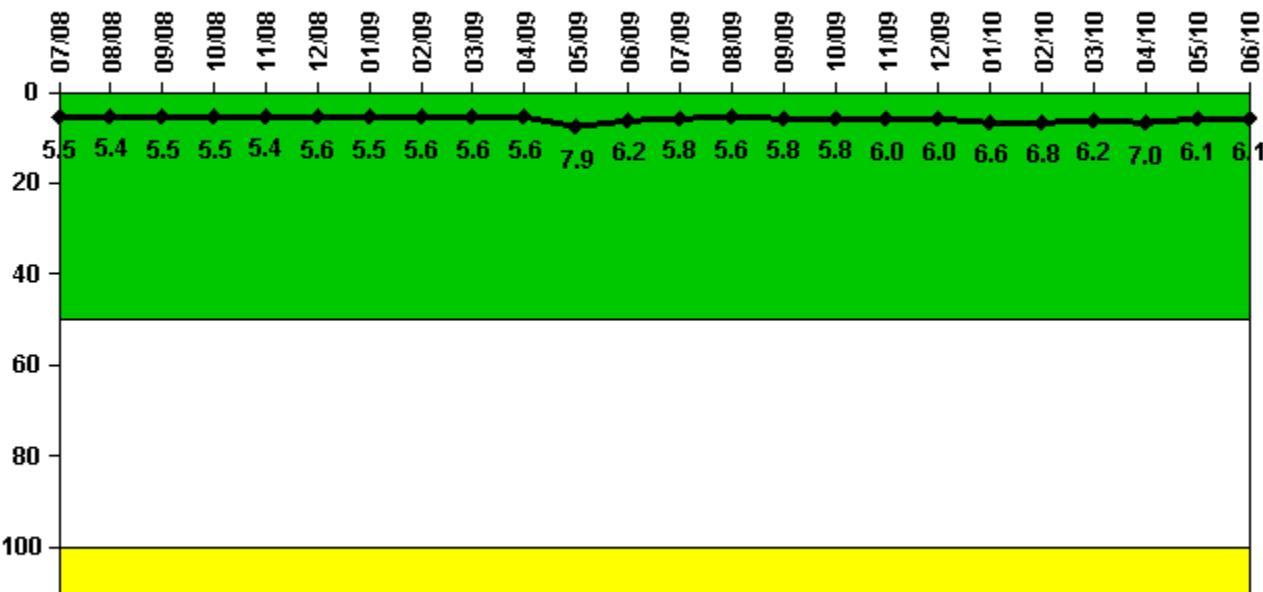
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000008	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010
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	0
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	0.000005	0.000005	0.000005	0.000006	0.000004	0.000005	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



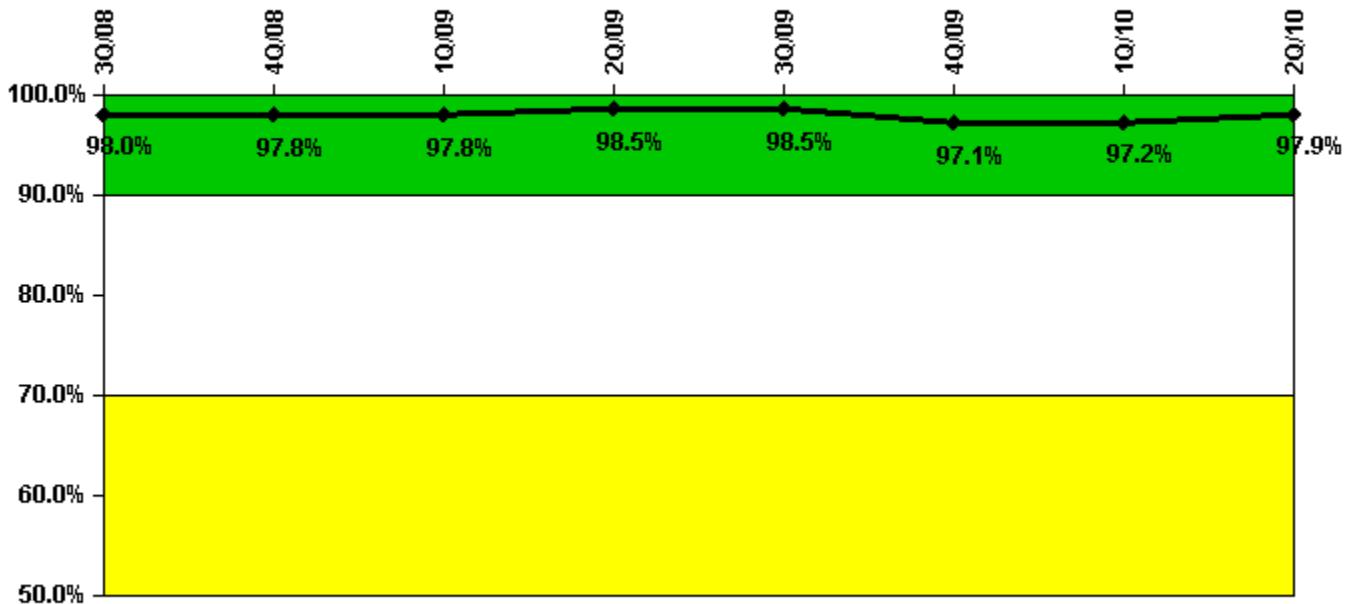
Thresholds: White > 50.0 Yellow > 100.0

### 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	1.650	1.610	1.650	1.640	1.630	1.670	1.650	1.690	1.680	1.670	2.360	1.860
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>
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	1.730	1.680	1.730	1.740	1.790	1.810	1.970	2.040	1.850	2.090	1.820	1.840
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
<b>Indicator value</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>	<b>7.0</b>	<b>6.1</b>	<b>6.1</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

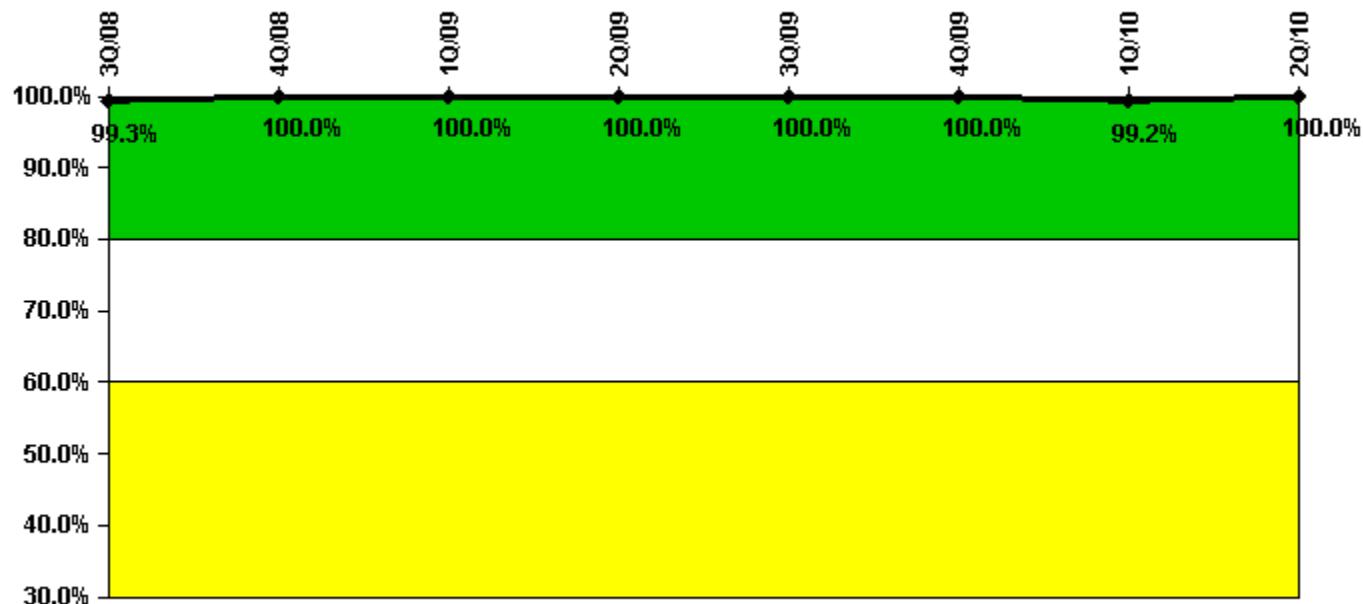
### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	43.0	8.0	2.0	23.0	10.0	12.0	12.0	27.0
Total opportunities	43.0	8.0	2.0	23.0	10.0	14.0	12.0	28.0
<b>Indicator value</b>	<b>98.0%</b>	<b>97.8%</b>	<b>97.8%</b>	<b>98.5%</b>	<b>98.5%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.9%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

<b>ERO Drill Participation</b>	<b>3Q/08</b>	<b>4Q/08</b>	<b>1Q/09</b>	<b>2Q/09</b>	<b>3Q/09</b>	<b>4Q/09</b>	<b>1Q/10</b>	<b>2Q/10</b>
Participating Key personnel	142.0	148.0	141.0	132.0	136.0	134.0	129.0	135.0
Total Key personnel	143.0	148.0	141.0	132.0	136.0	134.0	130.0	135.0
<b>Indicator value</b>	<b>99.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

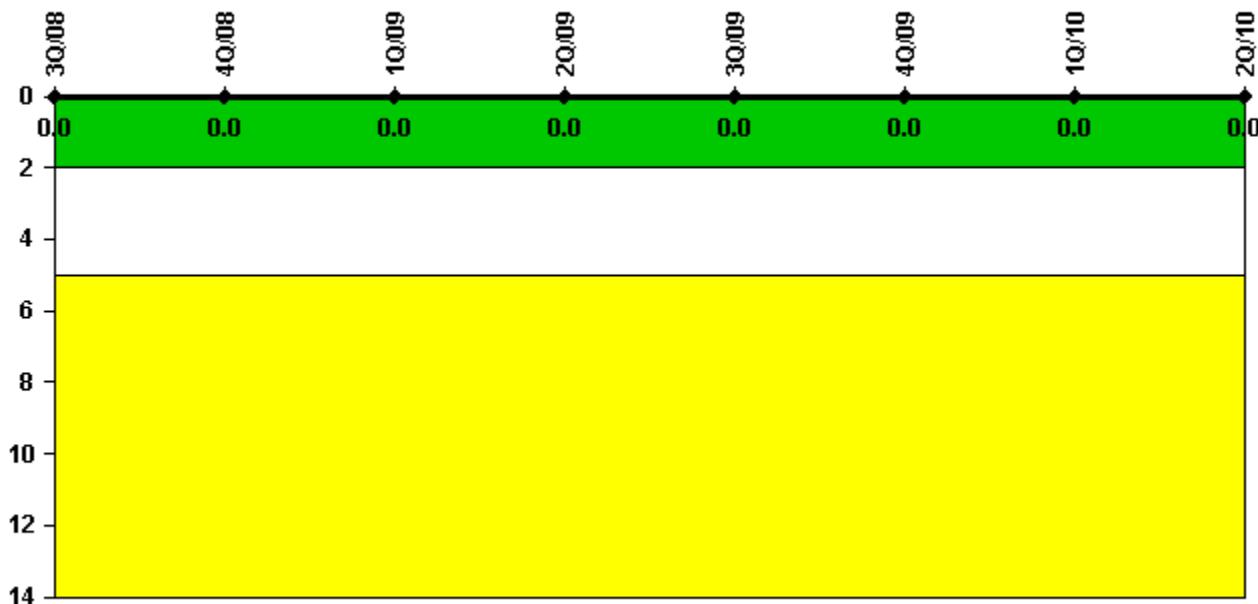
### **Notes**

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

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



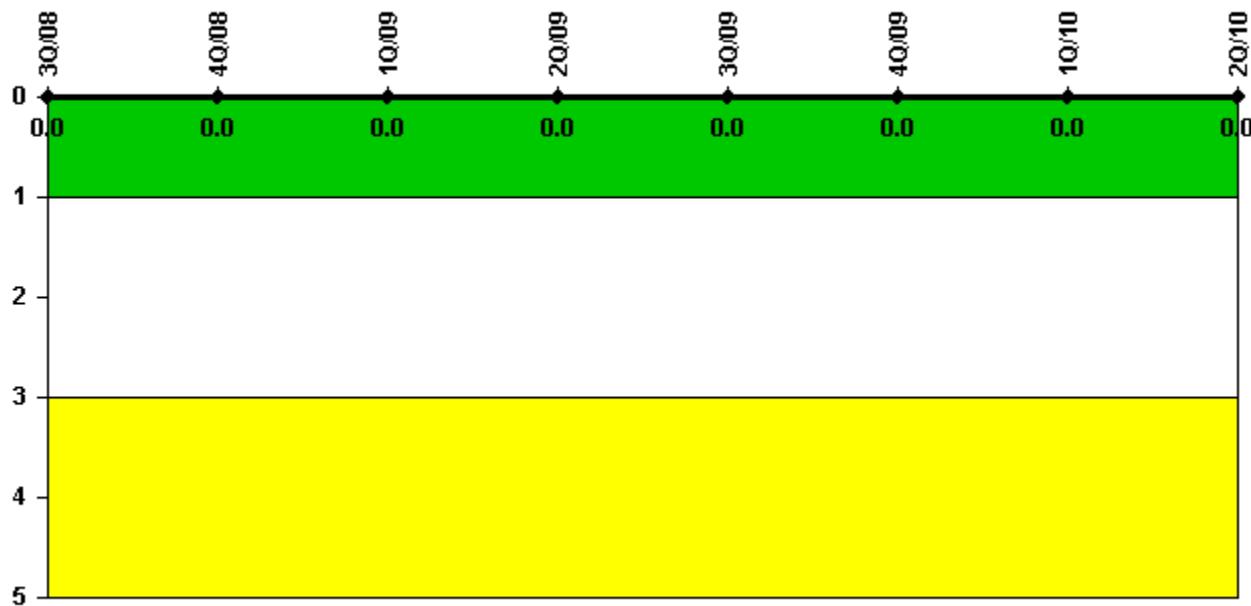
Thresholds: White > 2.0 Yellow > 5.0

### 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>							

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

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Security information not publicly available.

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

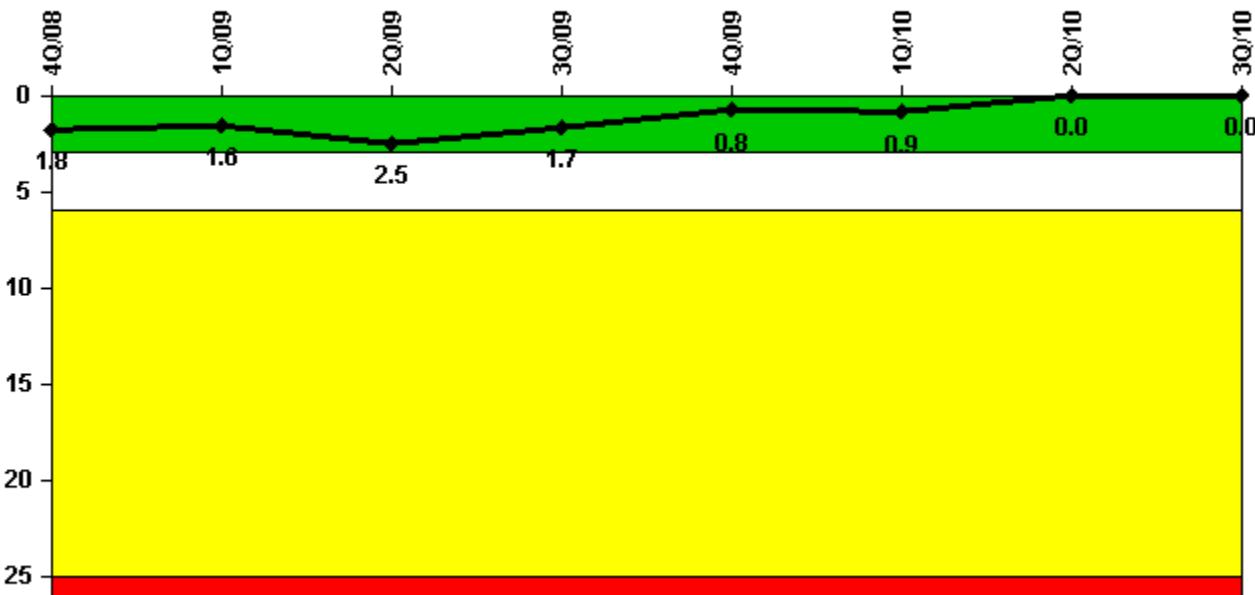
Last Modified: July 26, 2010

# Hatch 1

## 3Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



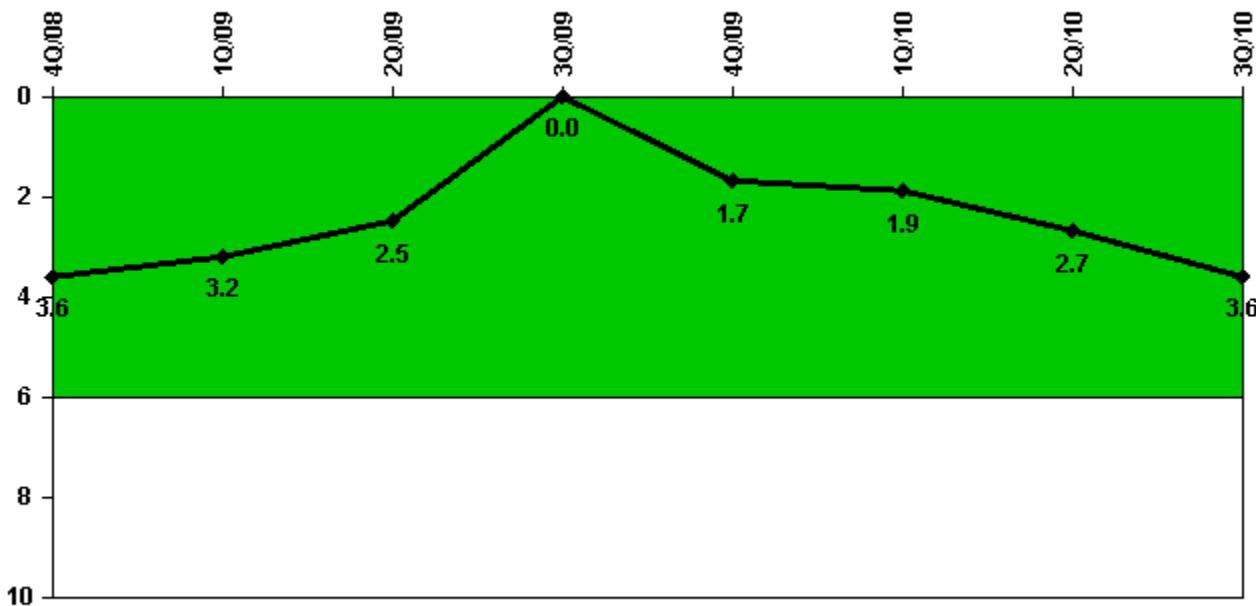
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	1.0	0	1.0	0	0	0	0	0
Critical hours	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0
Indicator value	1.8	1.6	2.5	1.7	0.8	0.9	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

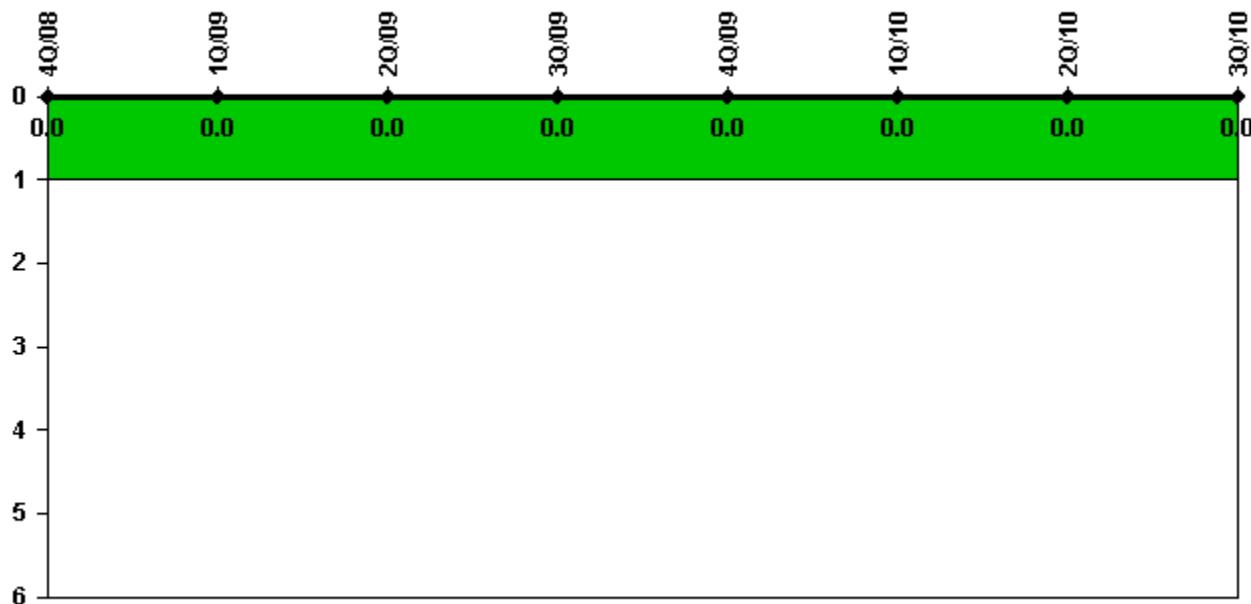
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	2.0	0	1.0	1.0
Critical hours	2165.0	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0
Indicator value	<b>3.6</b>	<b>3.2</b>	<b>2.5</b>	<b>0</b>	<b>1.7</b>	<b>1.9</b>	<b>2.7</b>	<b>3.6</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

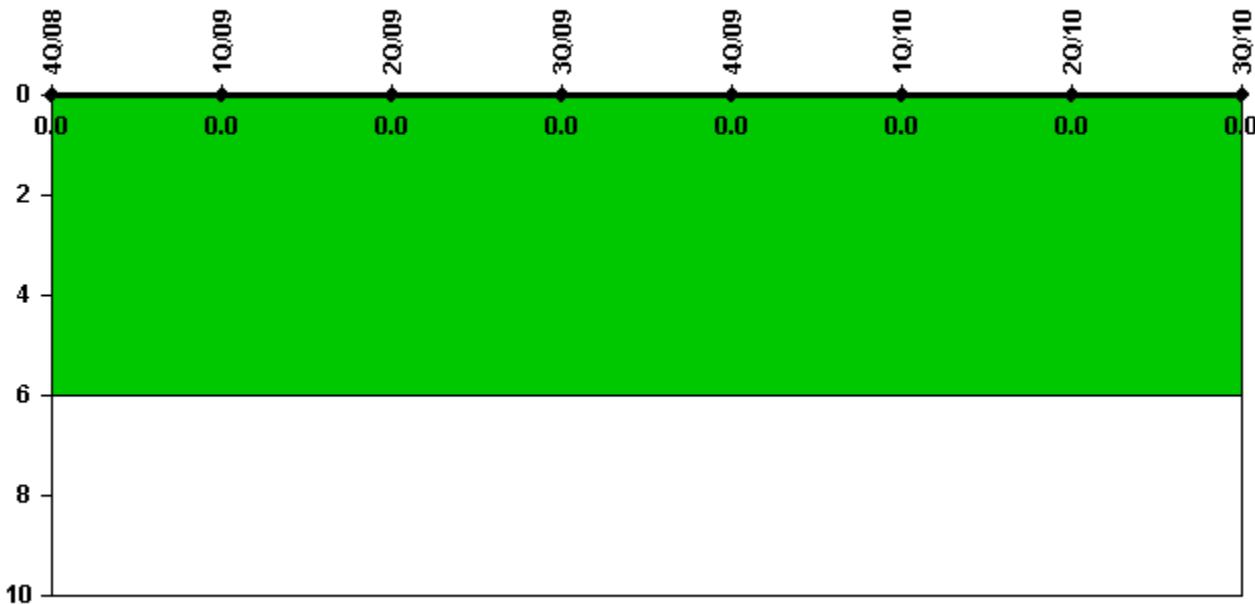
### Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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 (BWR)



Thresholds: White > 6.0

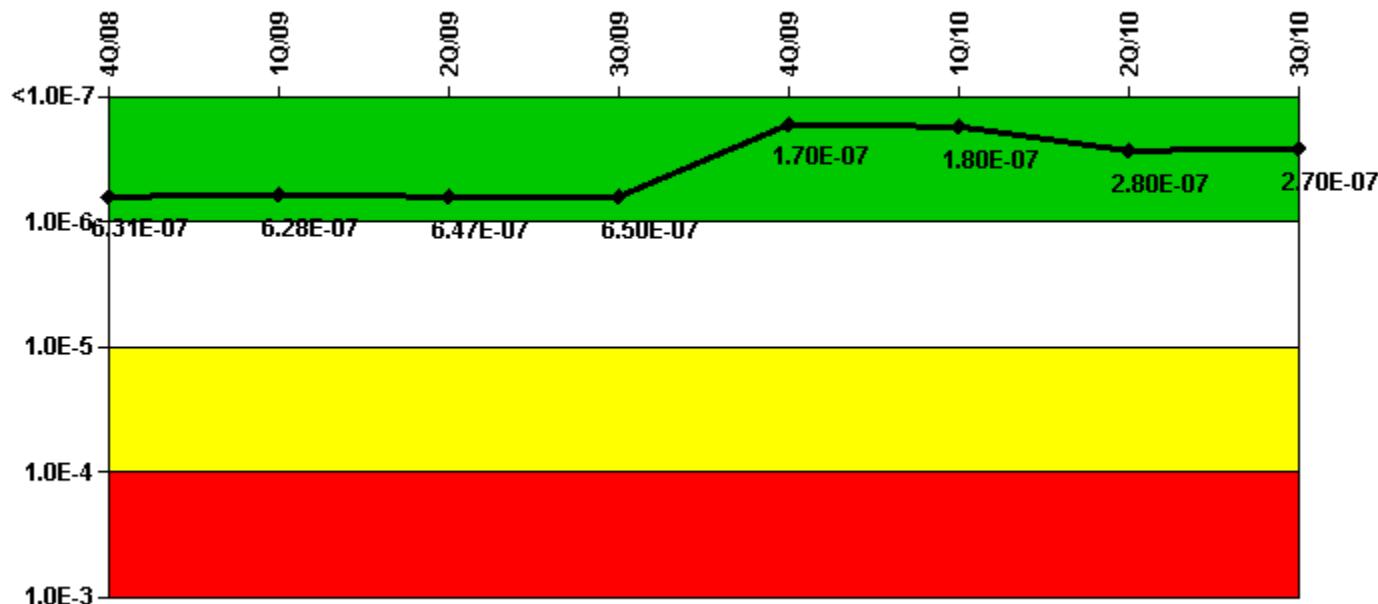
### Notes

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

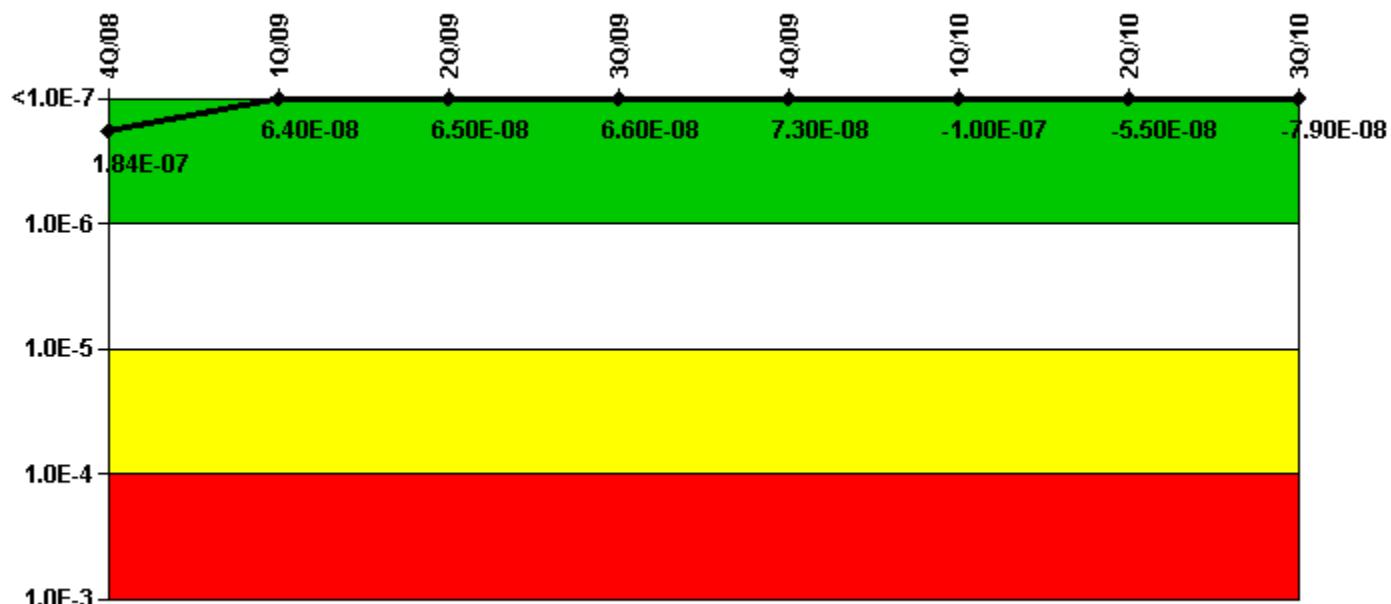
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	3.10E-08	2.80E-08	1.70E-08	2.00E-08	4.72E-08	5.95E-08	5.57E-08	6.77E-08
URI ( $\Delta$ CDF)	6.00E-07	6.00E-07	6.30E-07	6.30E-07	1.24E-07	1.16E-07	2.25E-07	2.06E-07
PLE	NO							
<b>Indicator value</b>	<b>6.31E-07</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>1.70E-07</b>	<b>1.80E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>

Licensee Comments:

3Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, High Pressure Injection System



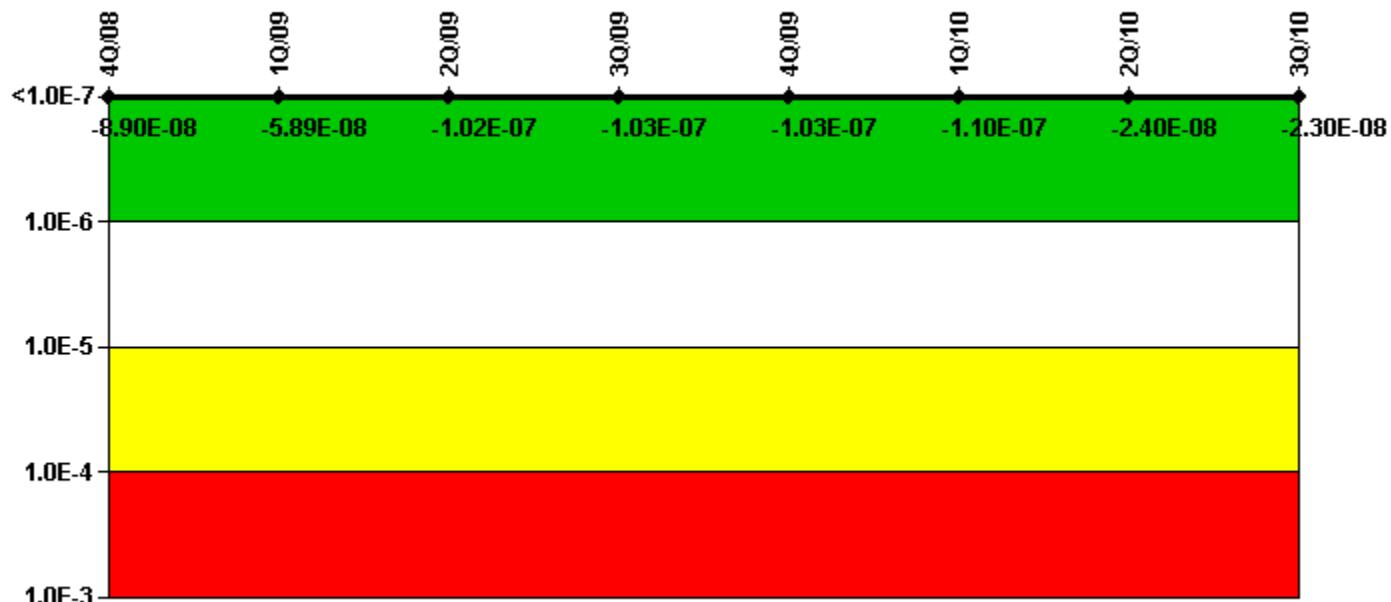
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	7.40E-08	2.00E-08	2.10E-08	2.10E-08	2.10E-08	-3.64E-08	1.55E-08	-1.09E-08
URI ( $\Delta$ CDF)	1.10E-07	4.40E-08	4.40E-08	4.50E-08	5.20E-08	-6.69E-08	-7.04E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.84E-07	6.40E-08	6.50E-08	6.60E-08	7.30E-08	-1.00E-07	-5.50E-08	-7.90E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



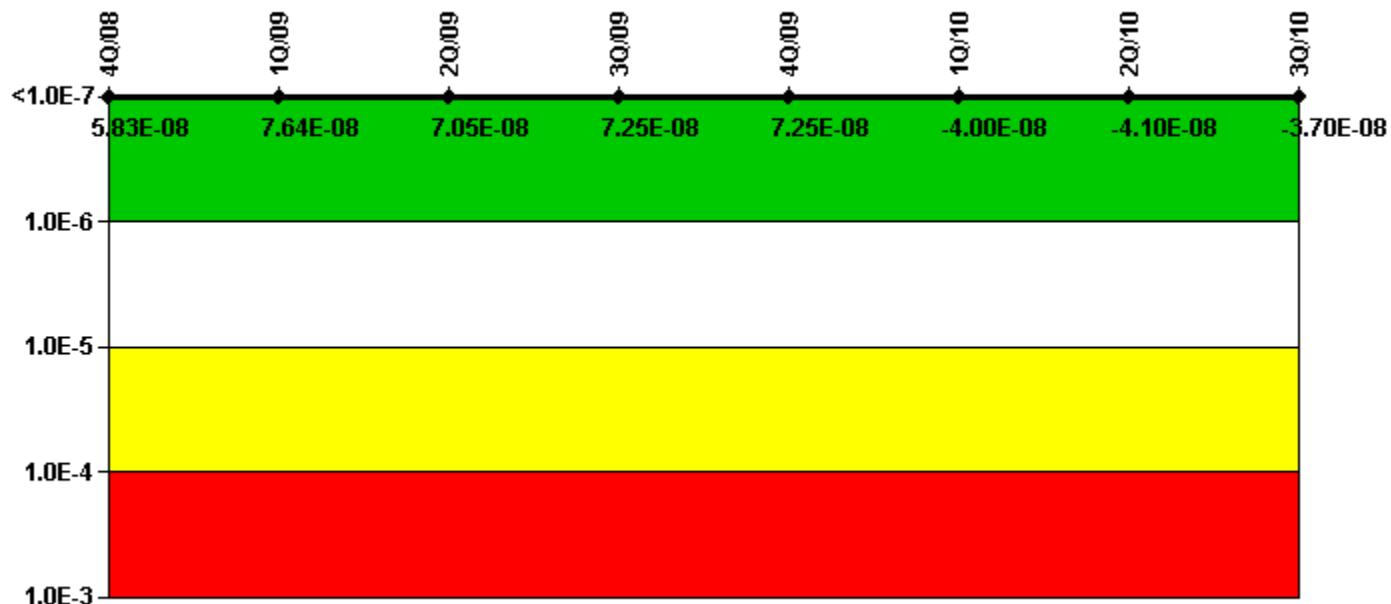
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	6.10E-08	8.10E-09	-4.10E-08	-4.10E-08	-4.10E-08	-4.02E-08	4.60E-08	4.64E-08
URI ( $\Delta$ CDF)	-1.50E-07	-6.70E-08	-6.10E-08	-6.20E-08	-6.20E-08	-6.69E-08	-6.96E-08	-6.96E-08
PLE	NO							
Indicator value	<b>-8.90E-08</b>	<b>-5.89E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



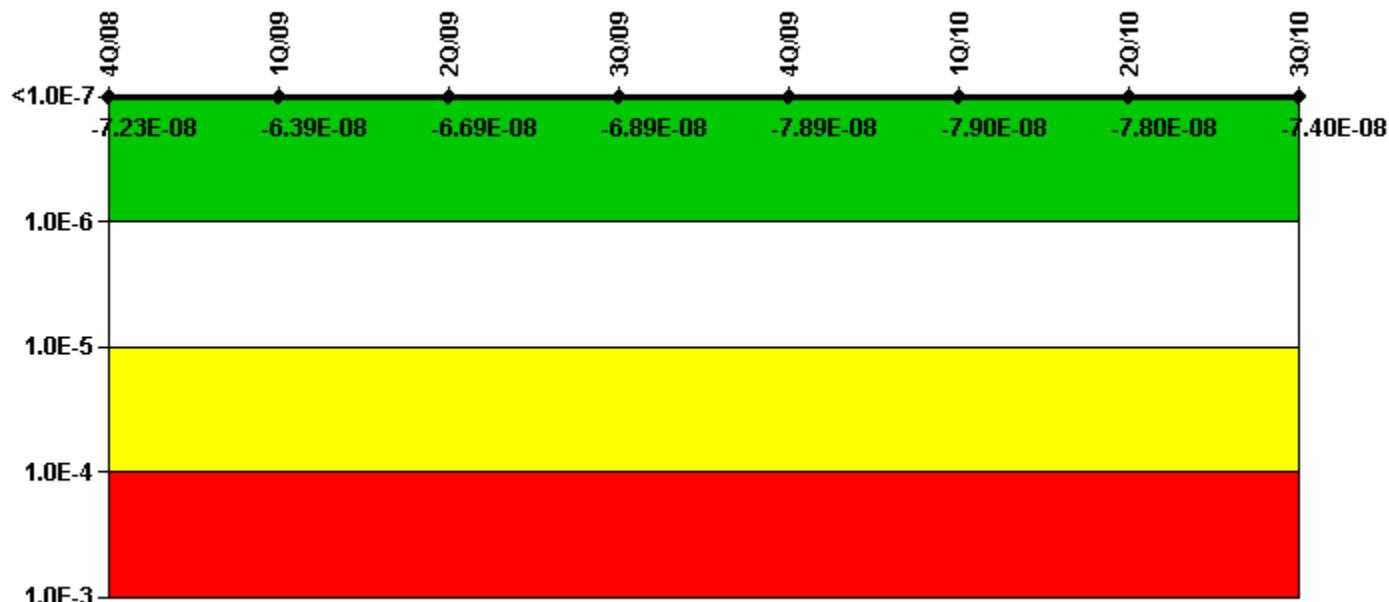
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	-7.70E-09	-8.60E-09	-8.50E-09	-8.50E-09	-8.50E-09	-1.07E-08	-1.13E-08	-1.13E-08
URI ( $\Delta$ CDF)	6.60E-08	8.50E-08	7.90E-08	8.10E-08	8.10E-08	-2.89E-08	-2.92E-08	-2.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>5.83E-08</b>	<b>7.64E-08</b>	<b>7.05E-08</b>	<b>7.25E-08</b>	<b>7.25E-08</b>	<b>-4.00E-08</b>	<b>-4.10E-08</b>	<b>-3.70E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



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

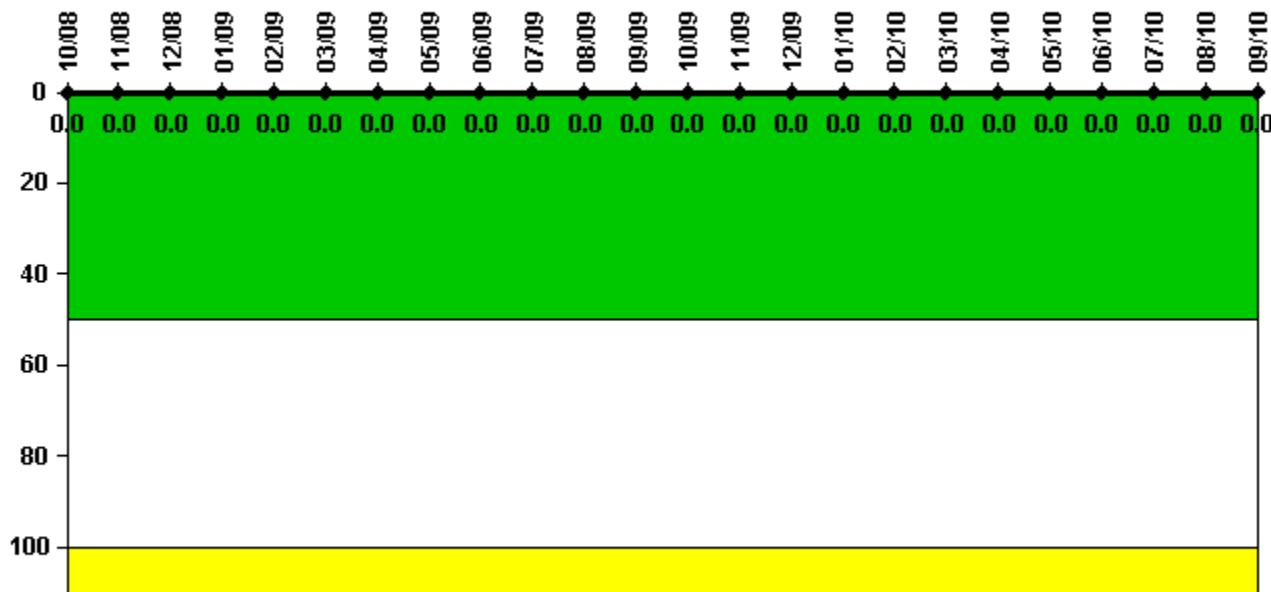
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	-1.30E-09	-9.10E-10	-9.00E-10	-9.00E-10	-8.60E-10	-8.29E-10	-2.40E-10	2.95E-09
URI ( $\Delta$ CDF)	-7.10E-08	-6.30E-08	-6.60E-08	-6.80E-08	-7.80E-08	-7.82E-08	-7.73E-08	-7.70E-08
PLE	NO							
Indicator value	<b>-7.23E-08</b>	<b>-6.39E-08</b>	<b>-6.69E-08</b>	<b>-6.89E-08</b>	<b>-7.89E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>

Licensee Comments:

3Q/10: One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529)

## Reactor Coolant System Activity



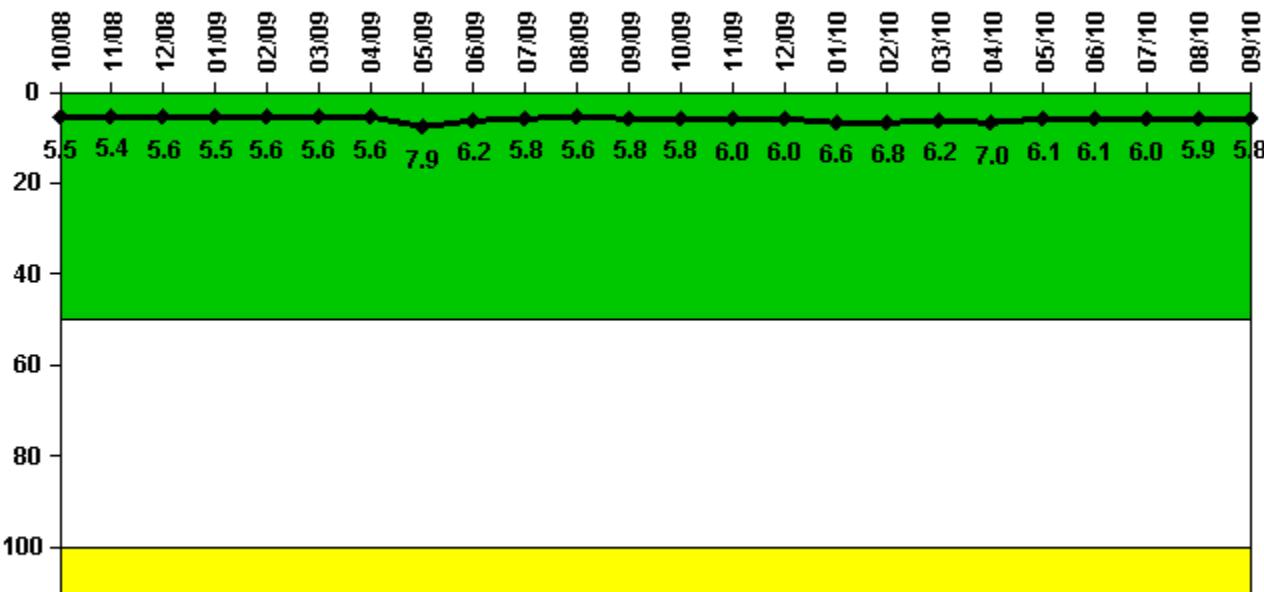
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000005	0.000007	0.000008	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010	0.000005	0.000005	0.000005
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	0
Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000006	0.000004	0.000005	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005	0.000006	0.000004	0.000005
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



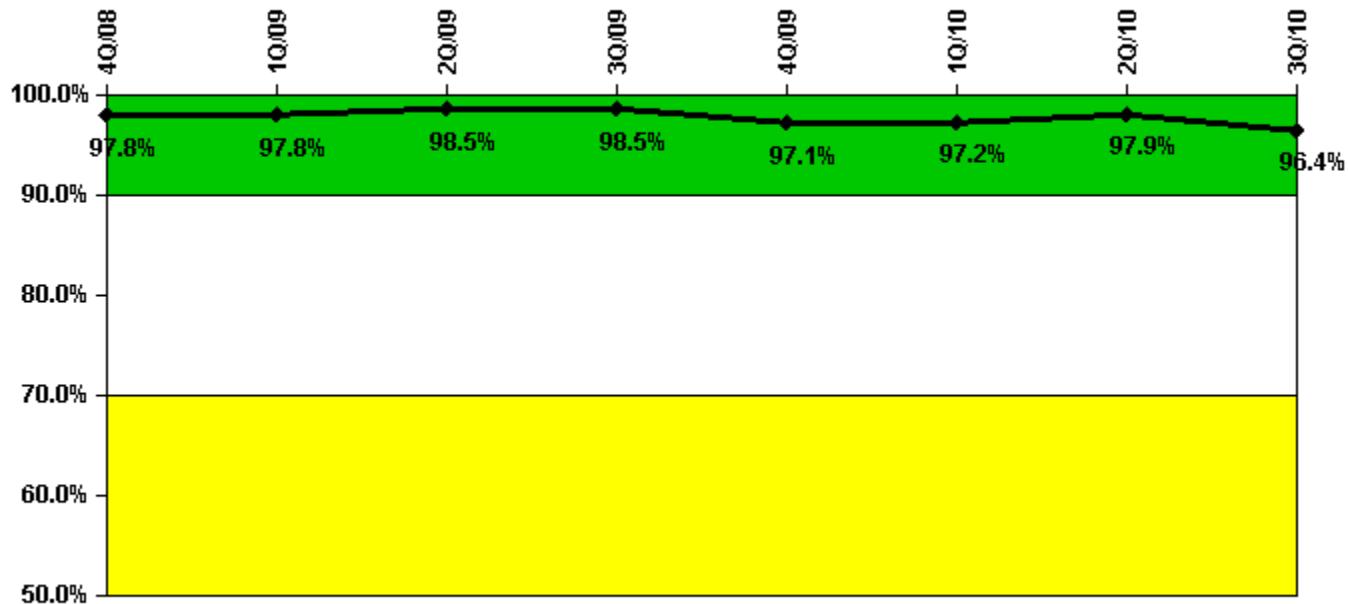
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	1.640	1.630	1.670	1.650	1.690	1.680	1.670	2.360	1.860	1.730	1.680	1.730
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.4</b>	<b>5.6</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>7.9</b>	<b>6.2</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	1.740	1.790	1.810	1.970	2.040	1.850	2.090	1.820	1.840	1.790	1.780	1.740
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
<b>Indicator value</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>	<b>7.0</b>	<b>6.1</b>	<b>6.1</b>	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

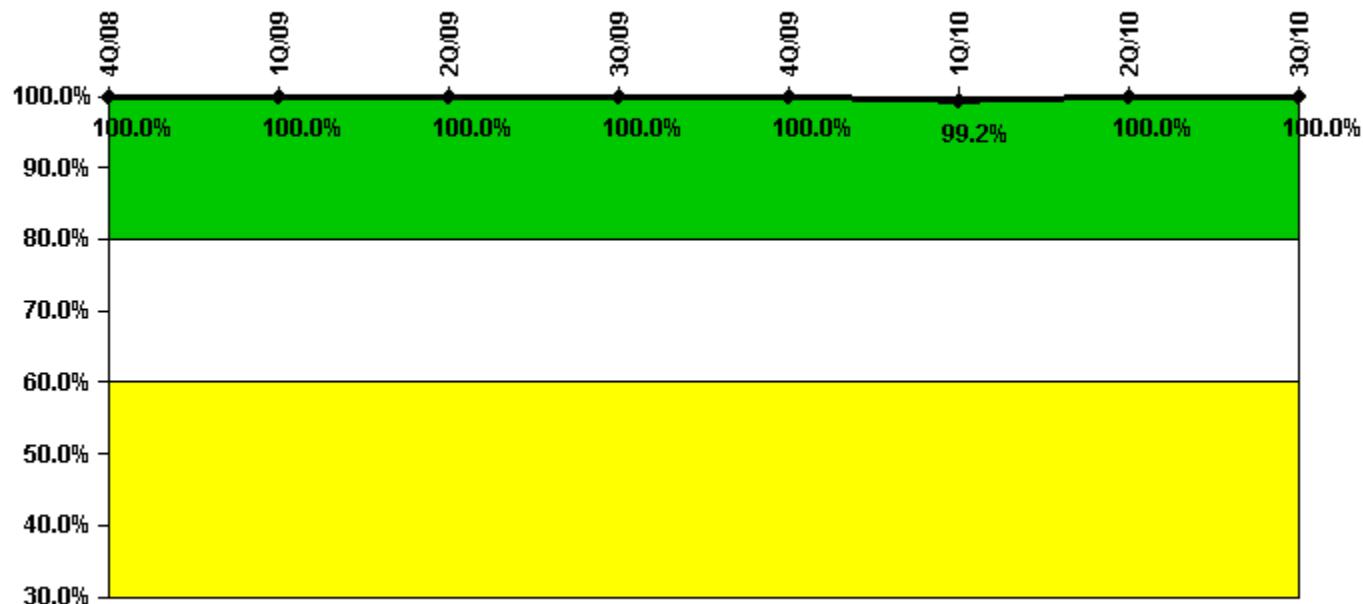
### Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	8.0	2.0	23.0	10.0	12.0	12.0	27.0	38.0
Total opportunities	8.0	2.0	23.0	10.0	14.0	12.0	28.0	40.0
Indicator value	97.8%	97.8%	98.5%	98.5%	97.1%	97.2%	97.9%	96.4%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	148.0	141.0	132.0	136.0	134.0	129.0	135.0	136.0
Total Key personnel	148.0	141.0	132.0	136.0	134.0	130.0	135.0	136.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

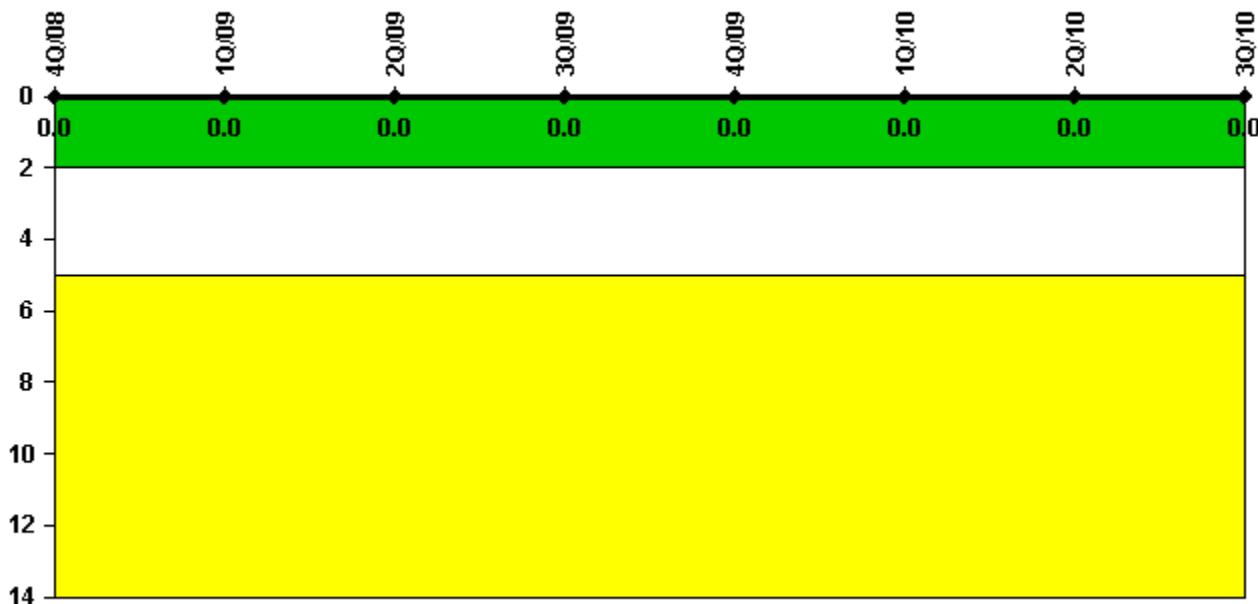
### **Notes**

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

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



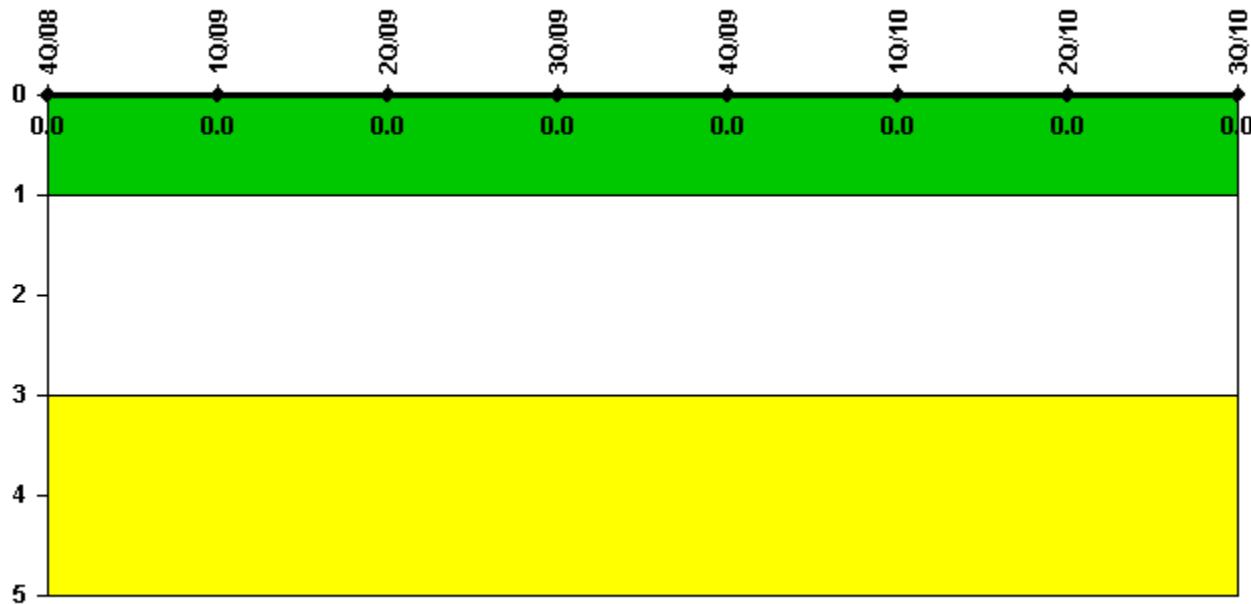
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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>							

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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

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Security information not publicly available.

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

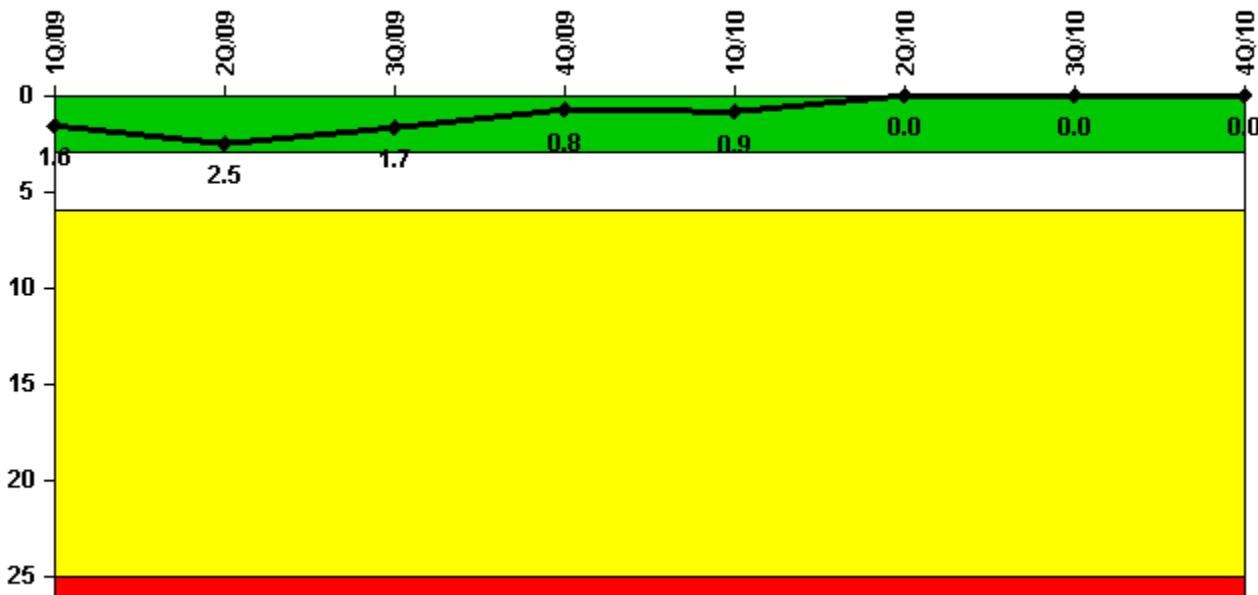
Last Modified: October 25, 2010

# Hatch 1

## 4Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



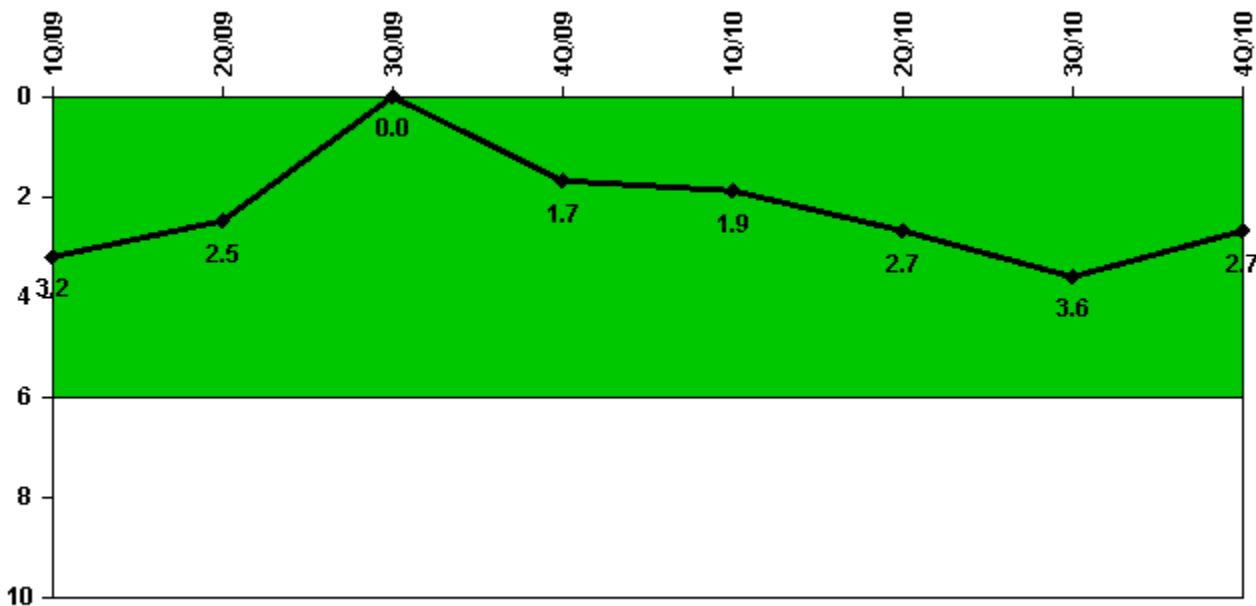
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0	2171.4
Indicator value	1.6	2.5	1.7	0.8	0.9	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

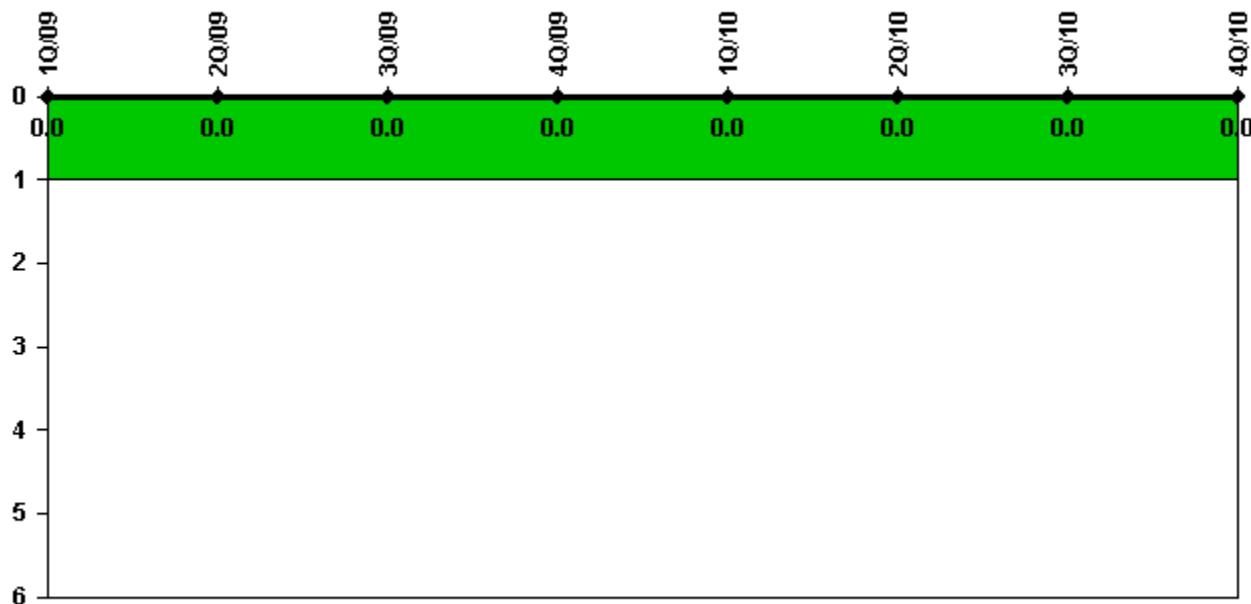
### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	2.0	0	1.0	1.0	1.0
Critical hours	2159.0	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0	2171.4
Indicator value	3.2	2.5	0	1.7	1.9	2.7	3.6	2.7

Licensee Comments: none

---

## Unplanned Scrams with Complications



Thresholds: White > 1.0

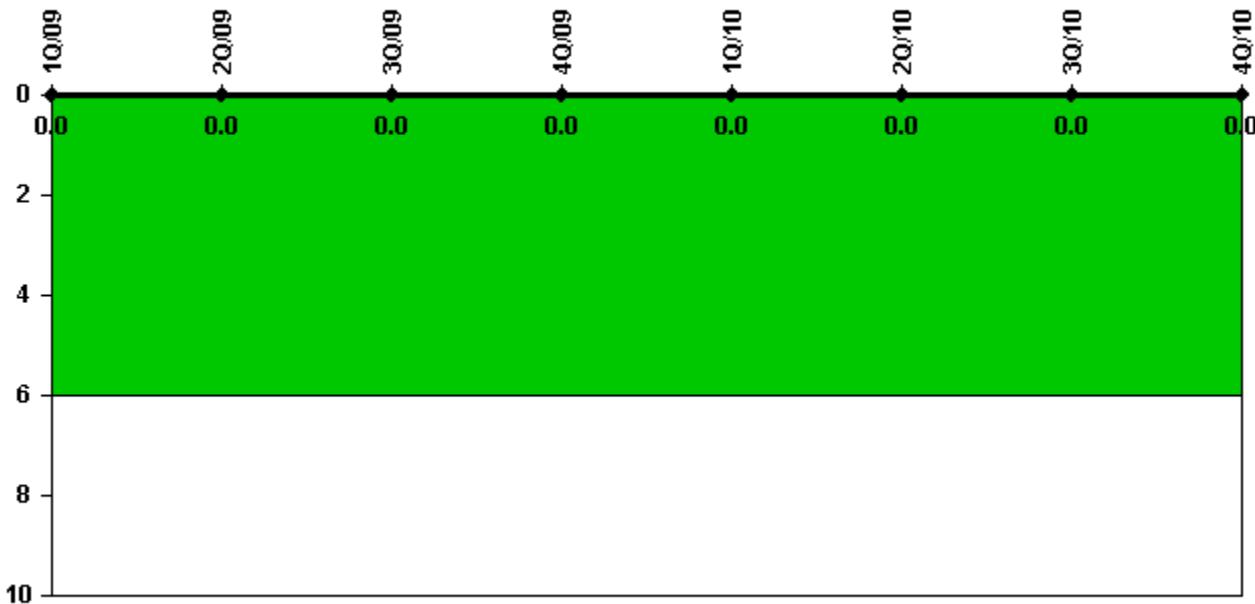
### Notes

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

---

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

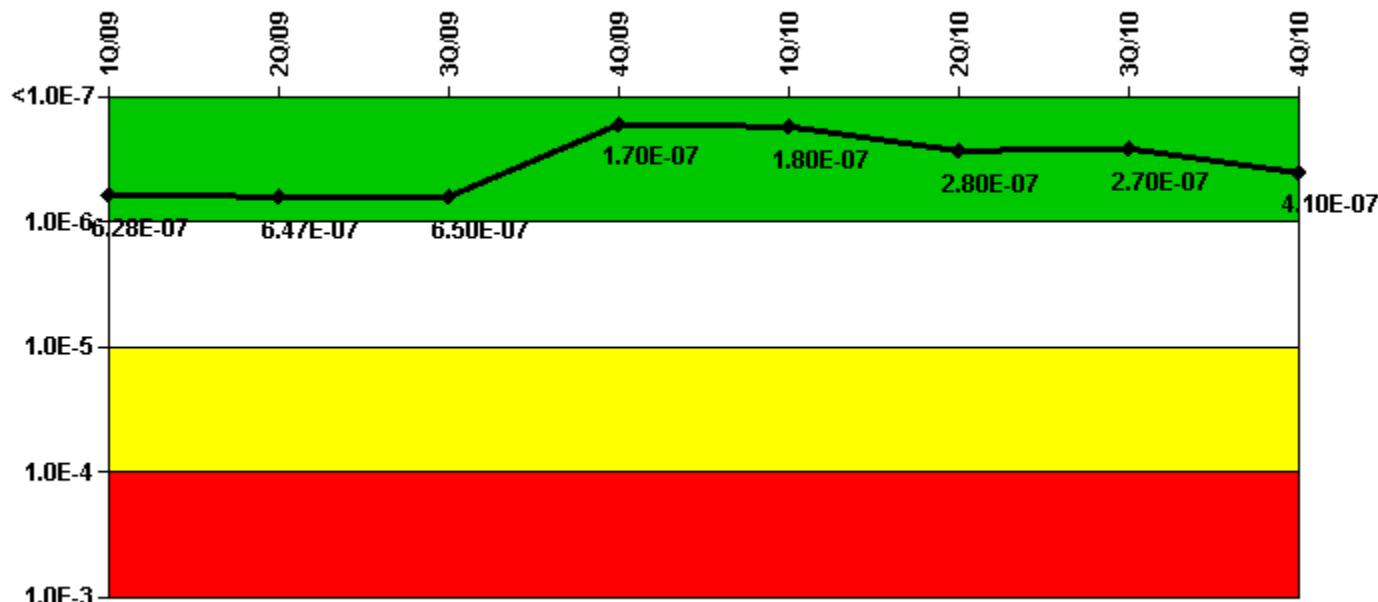
### Notes

Safety System Functional Failures (BWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
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

---

## Mitigating Systems Performance Index, Emergency AC Power System



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

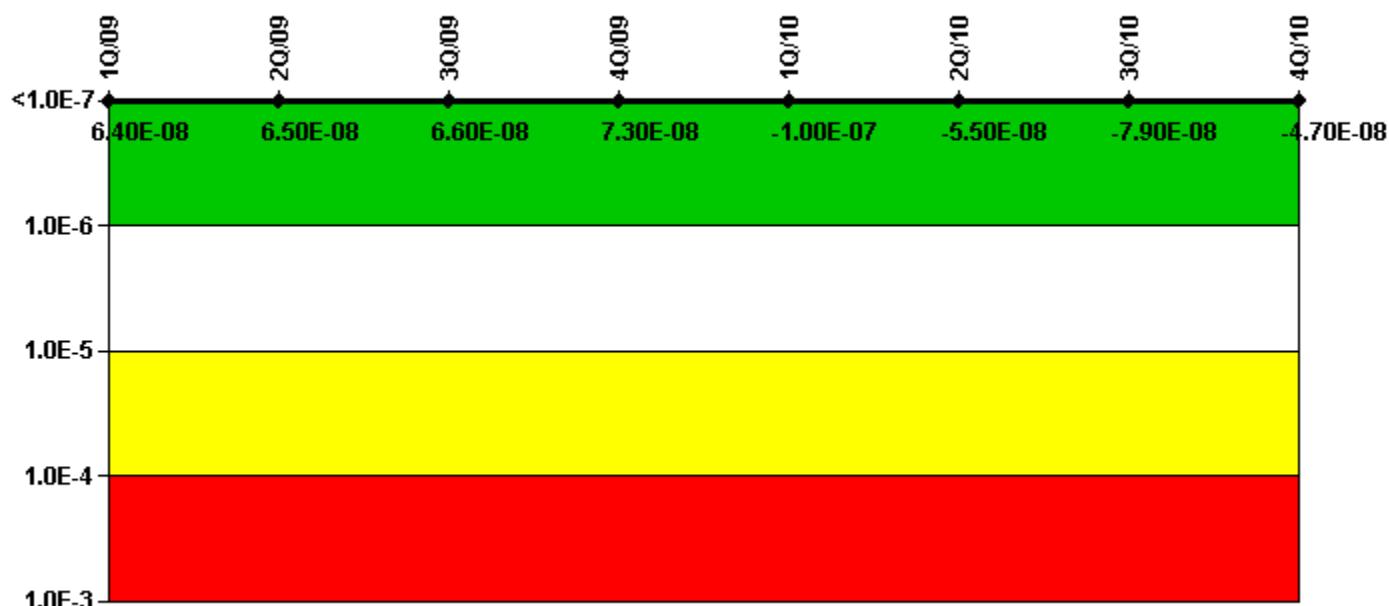
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	2.80E-08	1.70E-08	2.00E-08	4.72E-08	5.95E-08	5.57E-08	6.77E-08	1.40E-07
URI ( $\Delta$ CDF)	6.00E-07	6.30E-07	6.30E-07	1.24E-07	1.16E-07	2.25E-07	2.06E-07	2.68E-07
PLE	NO							
<b>Indicator value</b>	<b>6.28E-07</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>1.70E-07</b>	<b>1.80E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>4.10E-07</b>

Licensee Comments:

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, High Pressure Injection System



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

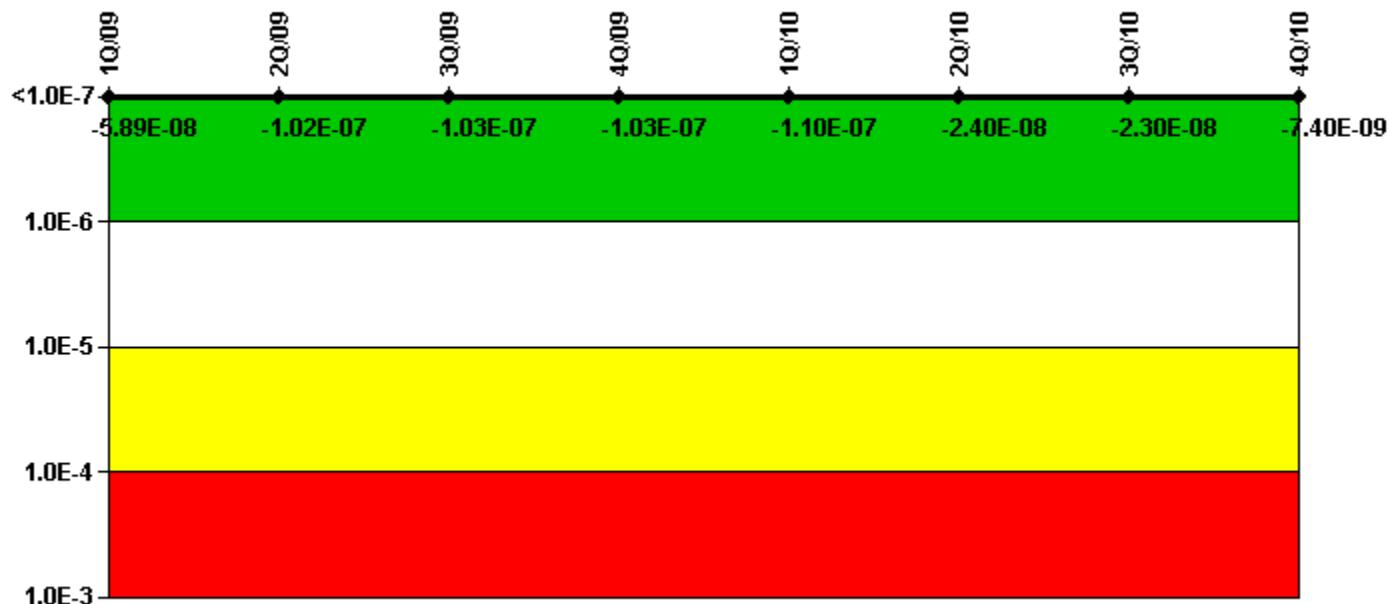
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	2.00E-08	2.10E-08	2.10E-08	2.10E-08	-3.64E-08	1.55E-08	-1.09E-08	-6.03E-09
URI ( $\Delta$ CDF)	4.40E-08	4.40E-08	4.50E-08	5.20E-08	-6.69E-08	-7.04E-08	-6.85E-08	-4.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>6.40E-08</b>	<b>6.50E-08</b>	<b>6.60E-08</b>	<b>7.30E-08</b>	<b>-1.00E-07</b>	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>

Licensee Comments:

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 >  $1.00E-4$

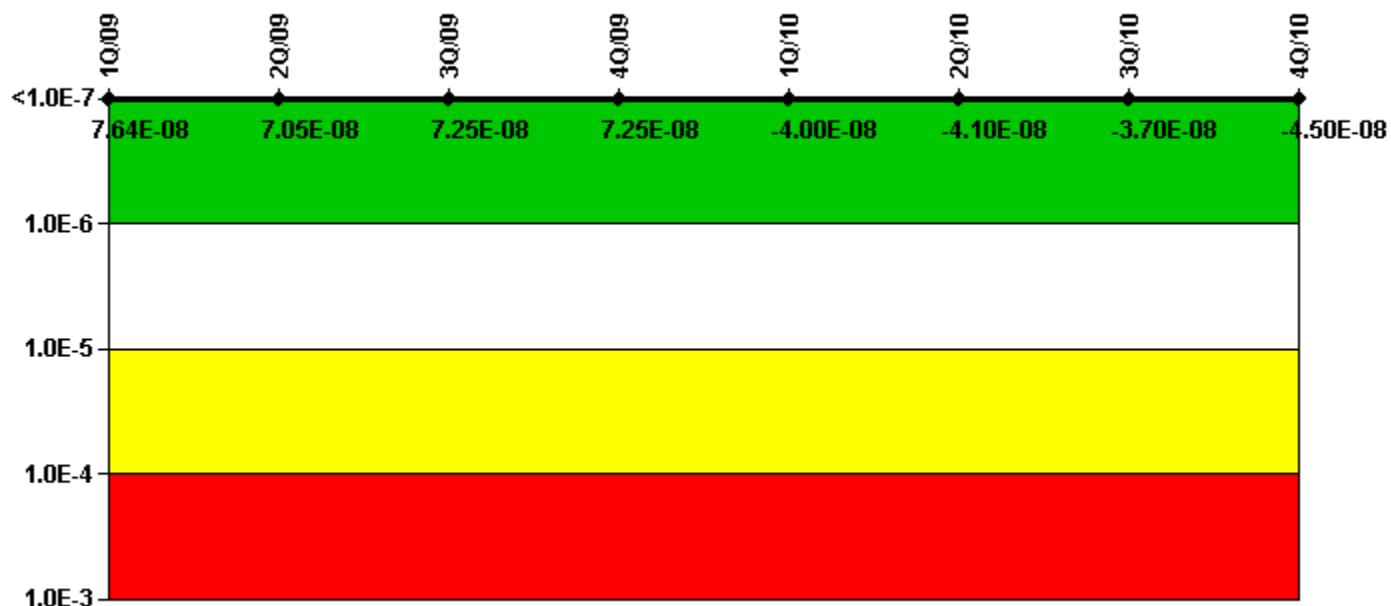
### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	8.10E-09	-4.10E-08	-4.10E-08	-4.10E-08	-4.02E-08	4.60E-08	4.64E-08	8.26E-09
URI ( $\Delta$ CDF)	-6.70E-08	-6.10E-08	-6.20E-08	-6.20E-08	-6.69E-08	-6.96E-08	-6.96E-08	-1.56E-08
PLE	NO							
Indicator value	<b>-5.89E-08</b>	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>

Licensee Comments:

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  $> 1.00\text{E-}6$  Yellow  $> 1.00\text{E-}5$  Red  $> 1.00\text{E-}4$

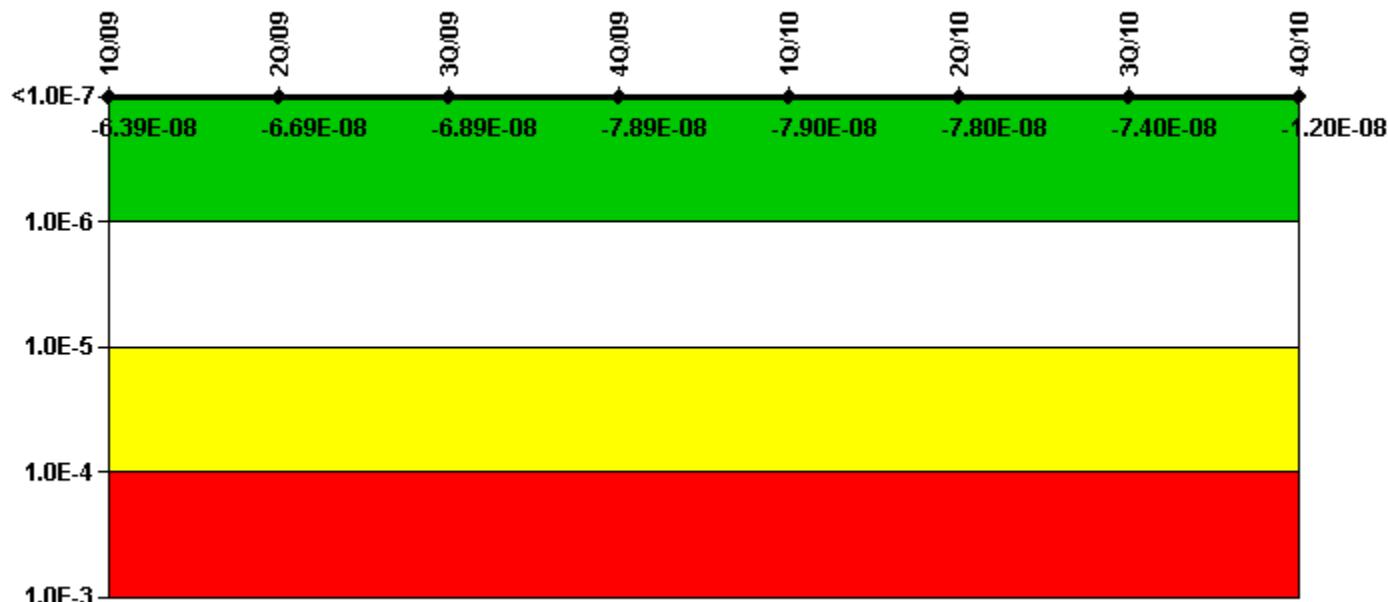
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	$-8.60\text{E-}09$	$-8.50\text{E-}09$	$-8.50\text{E-}09$	$-8.50\text{E-}09$	$-1.07\text{E-}08$	$-1.13\text{E-}08$	$-1.13\text{E-}08$	$-1.88\text{E-}08$
URI ( $\Delta$ CDF)	$8.50\text{E-}08$	$7.90\text{E-}08$	$8.10\text{E-}08$	$8.10\text{E-}08$	$-2.89\text{E-}08$	$-2.92\text{E-}08$	$-2.56\text{E-}08$	$-2.59\text{E-}08$
PLE	NO							
Indicator value	<b>7.64E-08</b>	<b>7.05E-08</b>	<b>7.25E-08</b>	<b>7.25E-08</b>	<b>-4.00E-08</b>	<b>-4.10E-08</b>	<b>-3.70E-08</b>	<b>-4.50E-08</b>

Licensee Comments:

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  $> 1.00\text{E-}6$  Yellow  $> 1.00\text{E-}5$  Red  $> 1.00\text{E-}4$

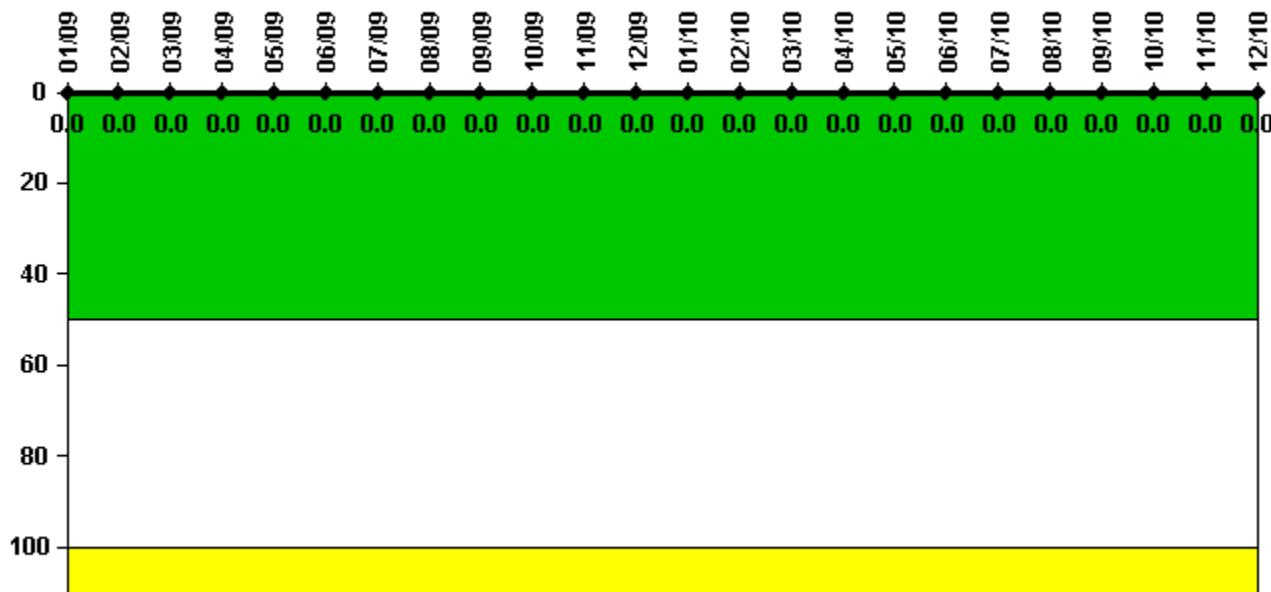
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-9.10E-10	-9.00E-10	-9.00E-10	-8.60E-10	-8.29E-10	-2.40E-10	2.95E-09	5.69E-08
URI ( $\Delta$ CDF)	-6.30E-08	-6.60E-08	-6.80E-08	-7.80E-08	-7.82E-08	-7.73E-08	-7.70E-08	-6.91E-08
PLE	NO							
Indicator value	<b>-6.39E-08</b>	<b>-6.69E-08</b>	<b>-6.89E-08</b>	<b>-7.89E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>

Licensee Comments:

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.

## Reactor Coolant System Activity



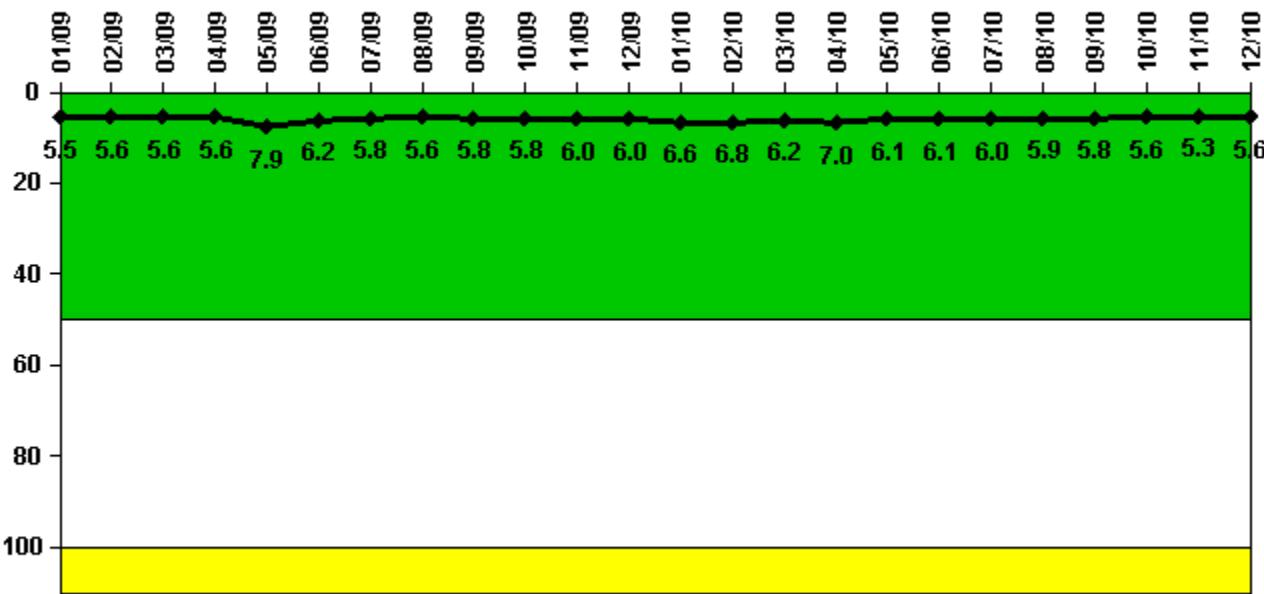
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000005	0.000007	0.000008	0.000005	0.000006	0.000010	0.000005	0.000005	0.000005	0.000006	0.000004	0.000005
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	0
Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005	0.000006	0.000004	0.000005	0.000003	0.000005	0.000006
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



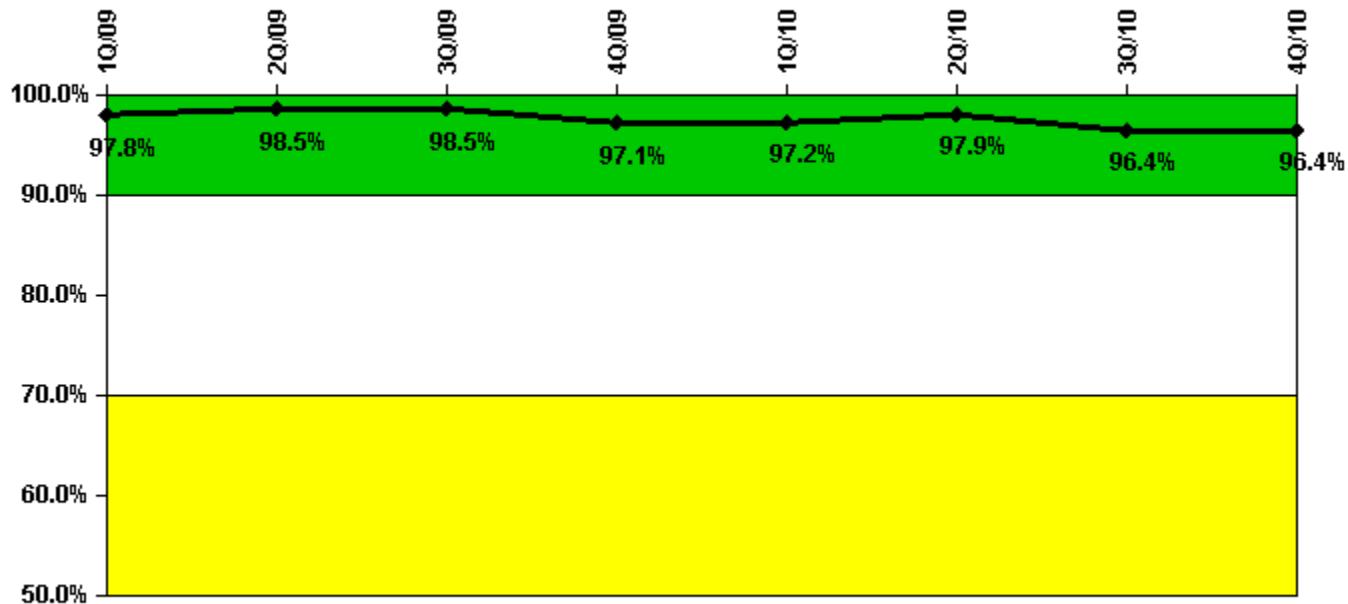
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	1.650	1.690	1.680	1.670	2.360	1.860	1.730	1.680	1.730	1.740	1.790	1.810
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	5.5	5.6	5.6	5.6	7.9	6.2	5.8	5.6	5.8	5.8	6.0	6.0
Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	1.970	2.040	1.850	2.090	1.820	1.840	1.790	1.780	1.740	1.670	1.600	1.680
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	6.6	6.8	6.2	7.0	6.1	6.1	6.0	5.9	5.8	5.6	5.3	5.6

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

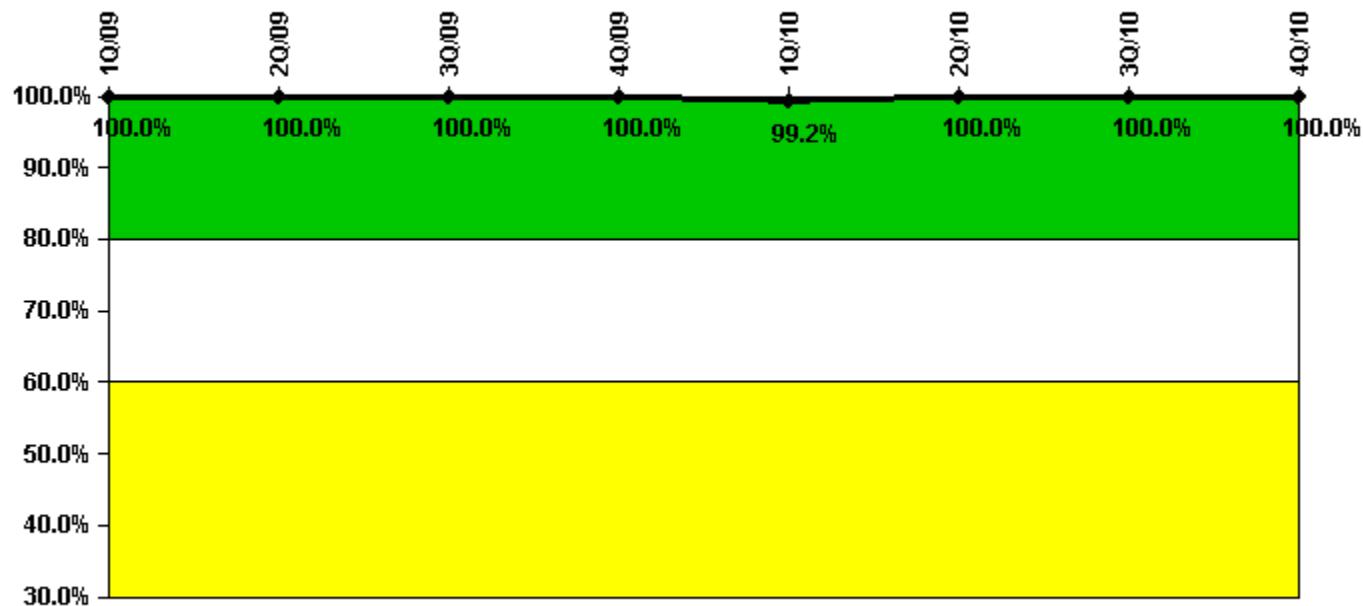
### Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	2.0	23.0	10.0	12.0	12.0	27.0	38.0	8.0
Total opportunities	2.0	23.0	10.0	14.0	12.0	28.0	40.0	8.0
Indicator value	97.8%	98.5%	98.5%	97.1%	97.2%	97.9%	96.4%	96.4%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	141.0	132.0	136.0	134.0	129.0	135.0	136.0	138.0
Total Key personnel	141.0	132.0	136.0	134.0	130.0	135.0	136.0	138.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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.**

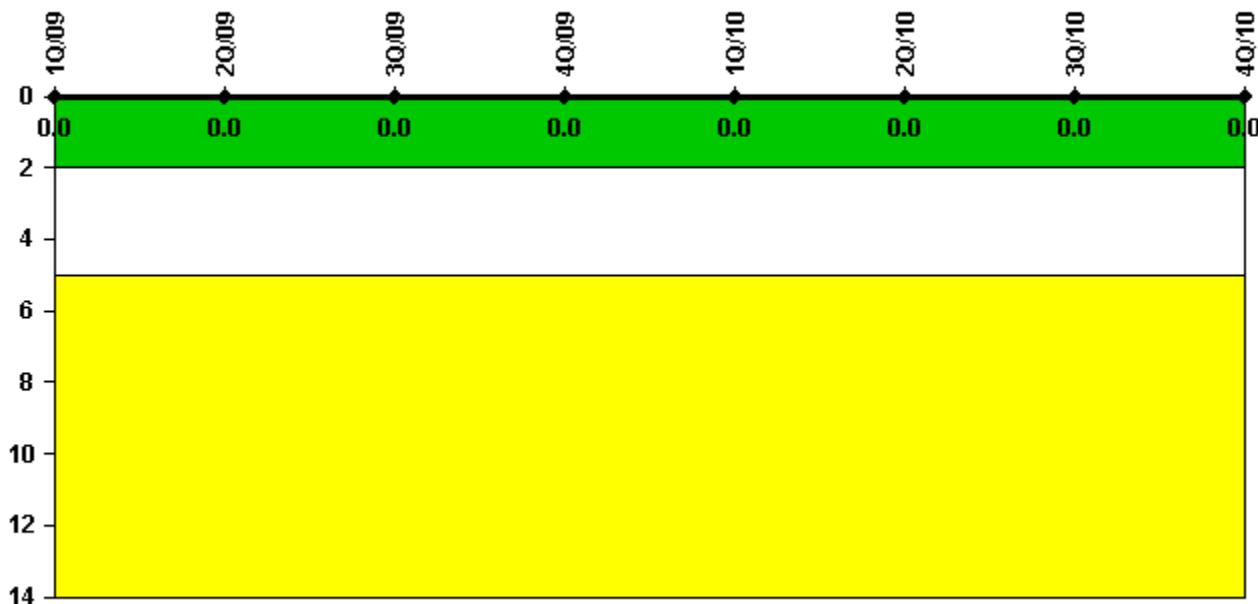
### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/09</b>	<b>2Q/09</b>	<b>3Q/09</b>	<b>4Q/09</b>	<b>1Q/10</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



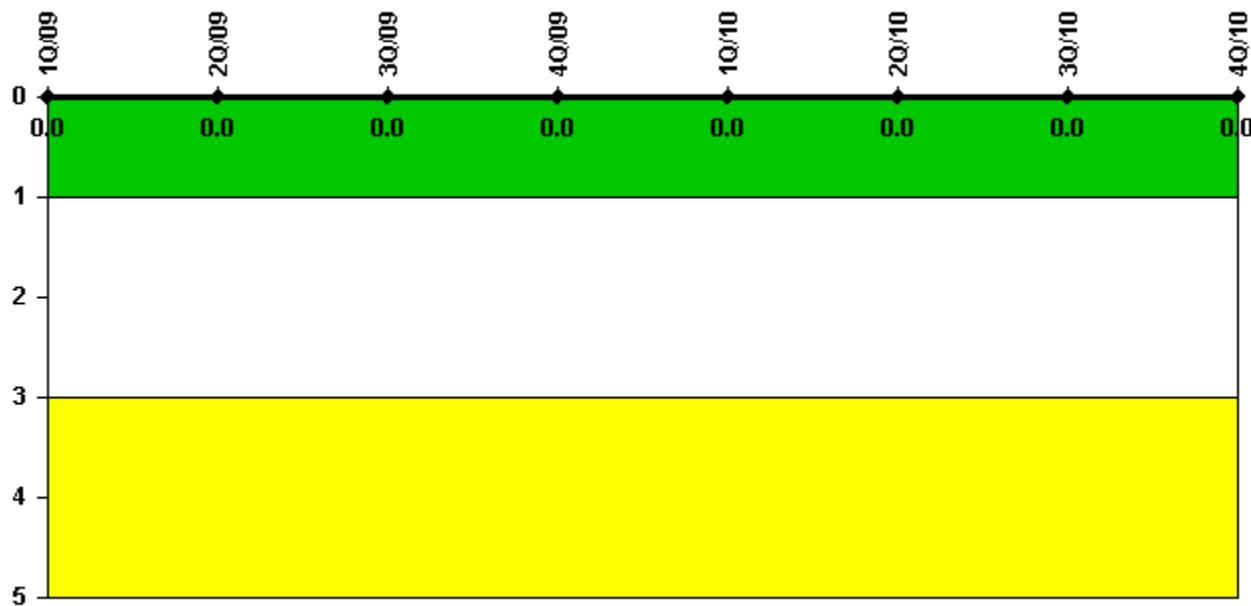
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/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.

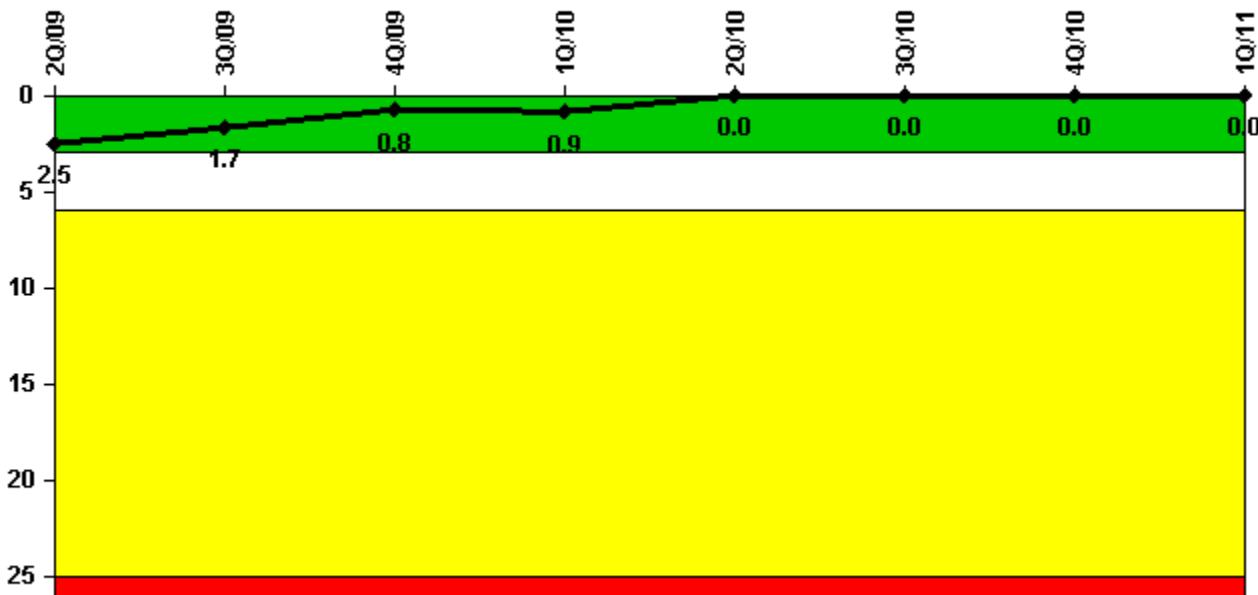
---

# Hatch 1

## 1Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



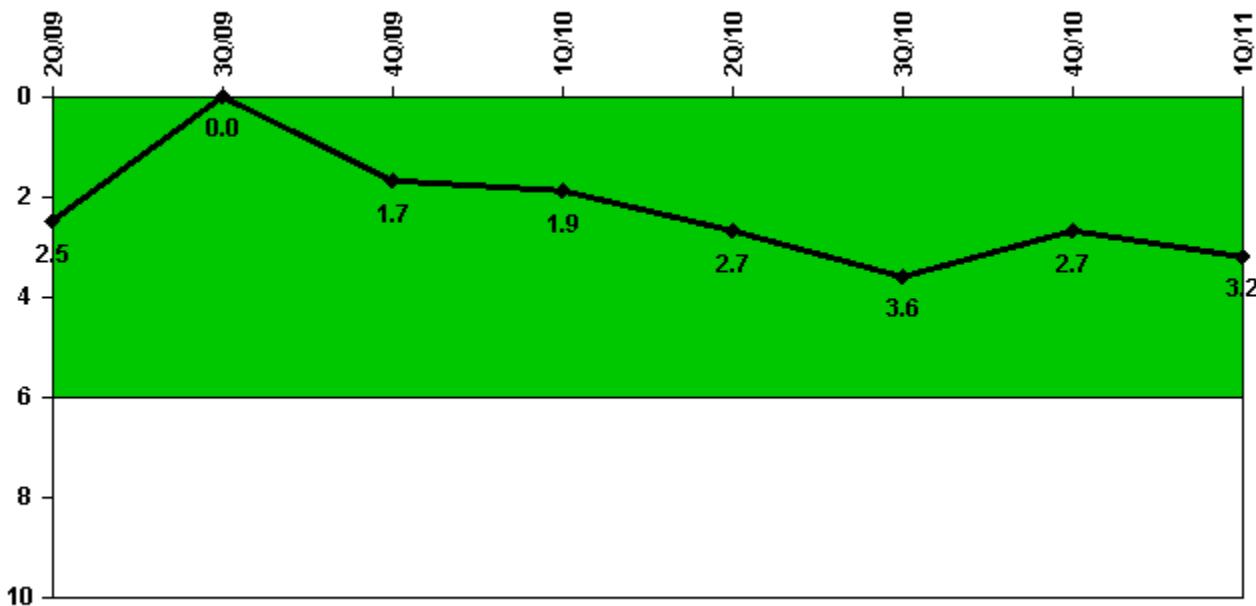
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0
Indicator value	2.5	1.7	0.8	0.9	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

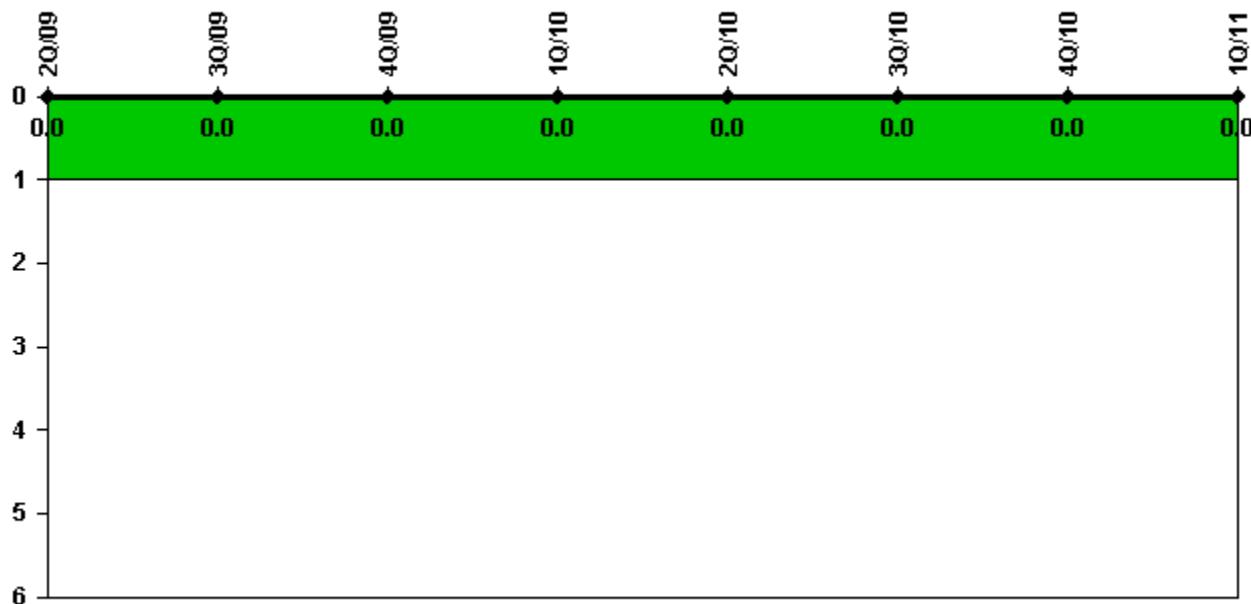
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	2.0	0	1.0	1.0	1.0	1.0
Critical hours	1777.9	2208.0	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0
Indicator value	2.5	0	1.7	1.9	2.7	3.6	2.7	3.2

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

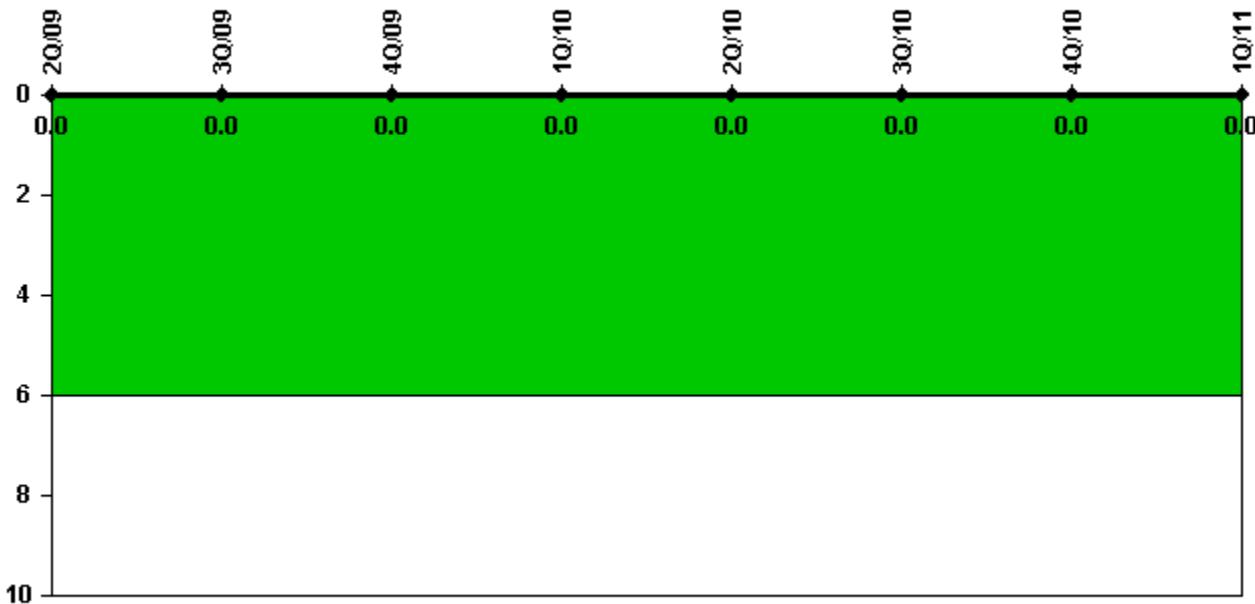
### Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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 (BWR)



Thresholds: White > 6.0

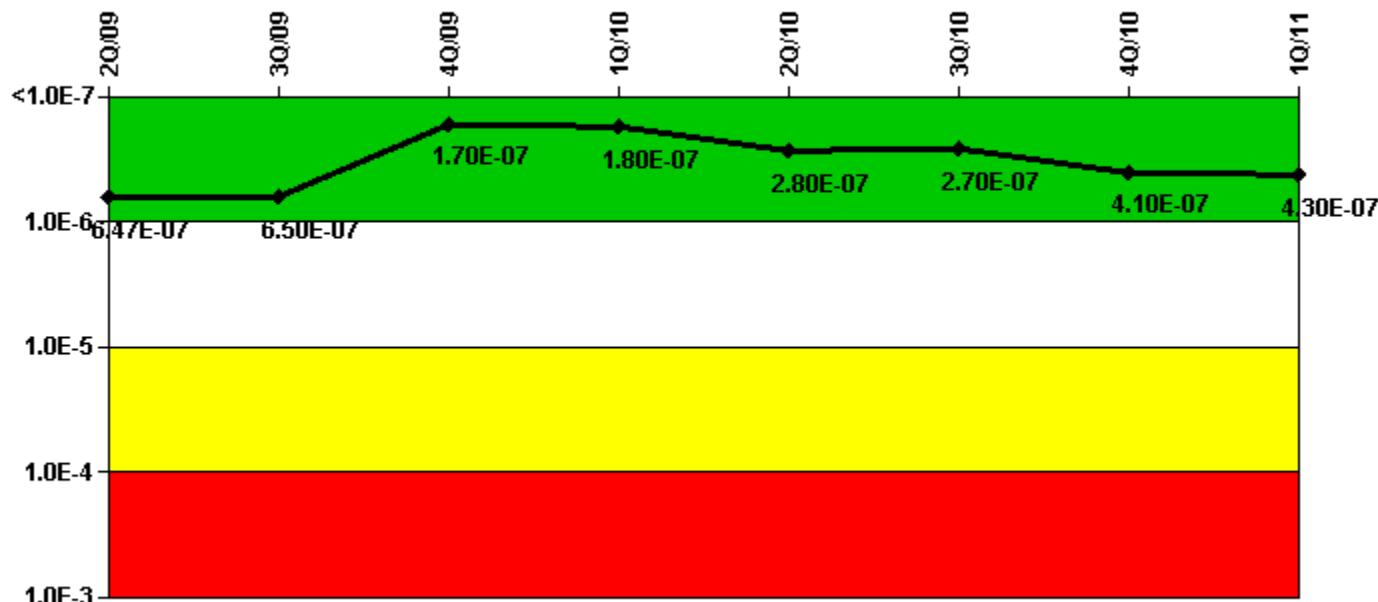
### Notes

Safety System Functional Failures (BWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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

---

## Mitigating Systems Performance Index, Emergency AC Power System



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

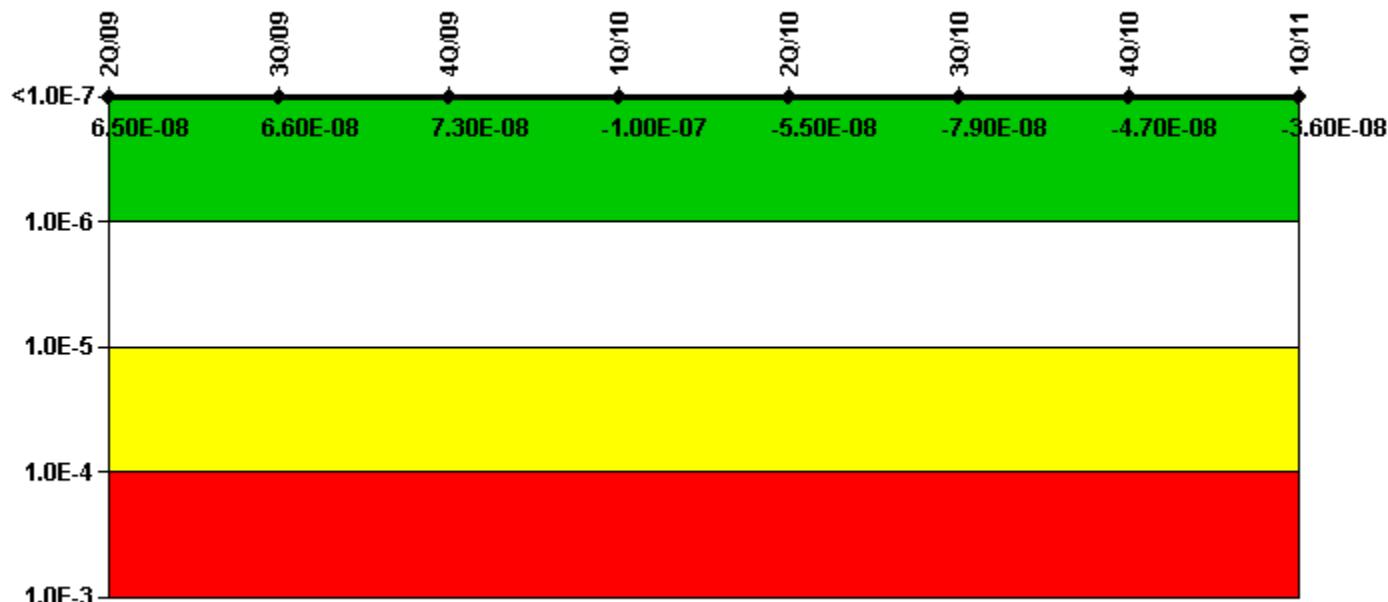
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	1.70E-08	2.00E-08	4.72E-08	5.95E-08	5.57E-08	6.77E-08	1.40E-07	1.43E-07
URI ( $\Delta$ CDF)	6.30E-07	6.30E-07	1.24E-07	1.16E-07	2.25E-07	2.06E-07	2.68E-07	2.86E-07
PLE	NO							
<b>Indicator value</b>	<b>6.47E-07</b>	<b>6.50E-07</b>	<b>1.70E-07</b>	<b>1.80E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>4.10E-07</b>	<b>4.30E-07</b>

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.

## Mitigating Systems Performance Index, High Pressure Injection System



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

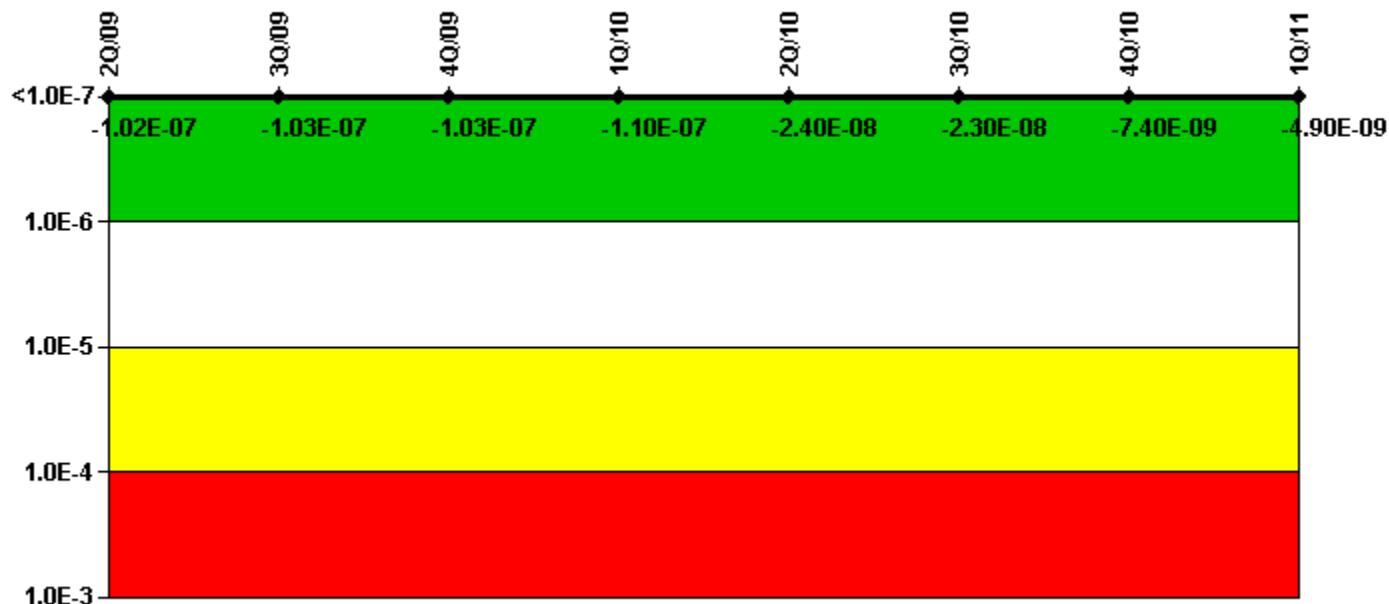
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	2.10E-08	2.10E-08	2.10E-08	-3.64E-08	1.55E-08	-1.09E-08	-6.03E-09	3.15E-09
URI ( $\Delta$ CDF)	4.40E-08	4.50E-08	5.20E-08	-6.69E-08	-7.04E-08	-6.85E-08	-4.08E-08	-3.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>6.50E-08</b>	<b>6.60E-08</b>	<b>7.30E-08</b>	<b>-1.00E-07</b>	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>

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.

# Mitigating Systems Performance Index, Heat Removal System



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

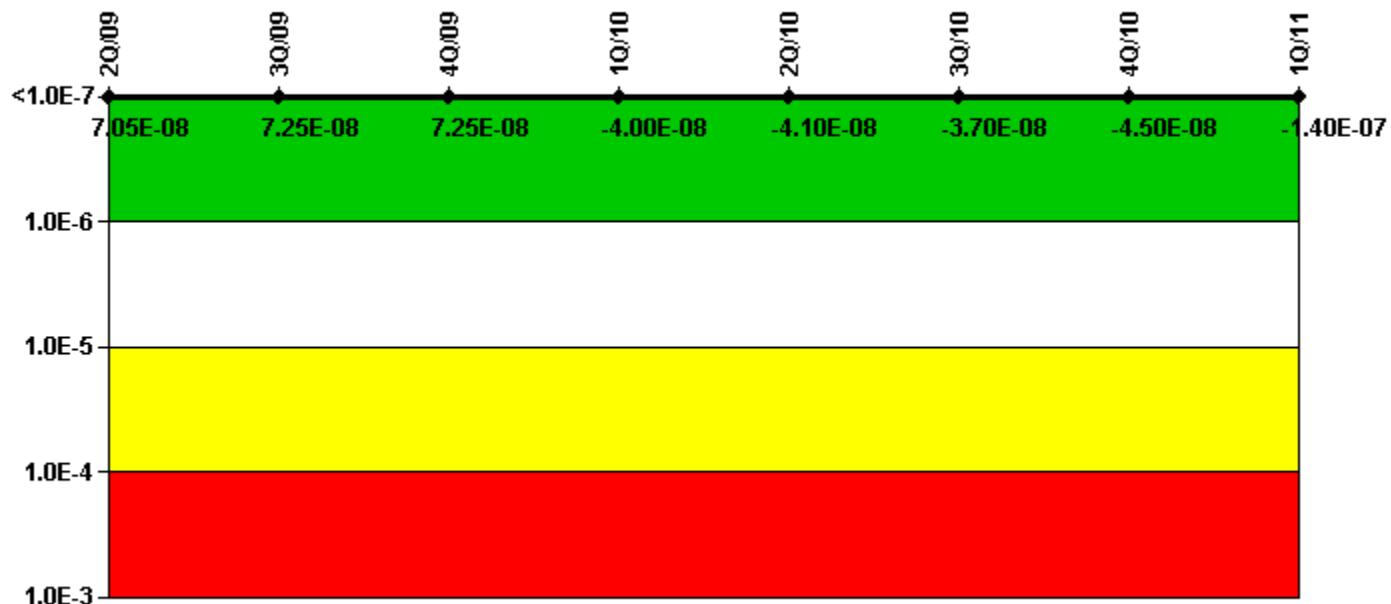
## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-4.10E-08	-4.10E-08	-4.10E-08	-4.02E-08	4.60E-08	4.64E-08	8.26E-09	1.01E-08
URI ( $\Delta$ CDF)	-6.10E-08	-6.20E-08	-6.20E-08	-6.69E-08	-6.96E-08	-6.96E-08	-1.56E-08	-1.50E-08
PLE	NO							
Indicator value	<b>-1.02E-07</b>	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>

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.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

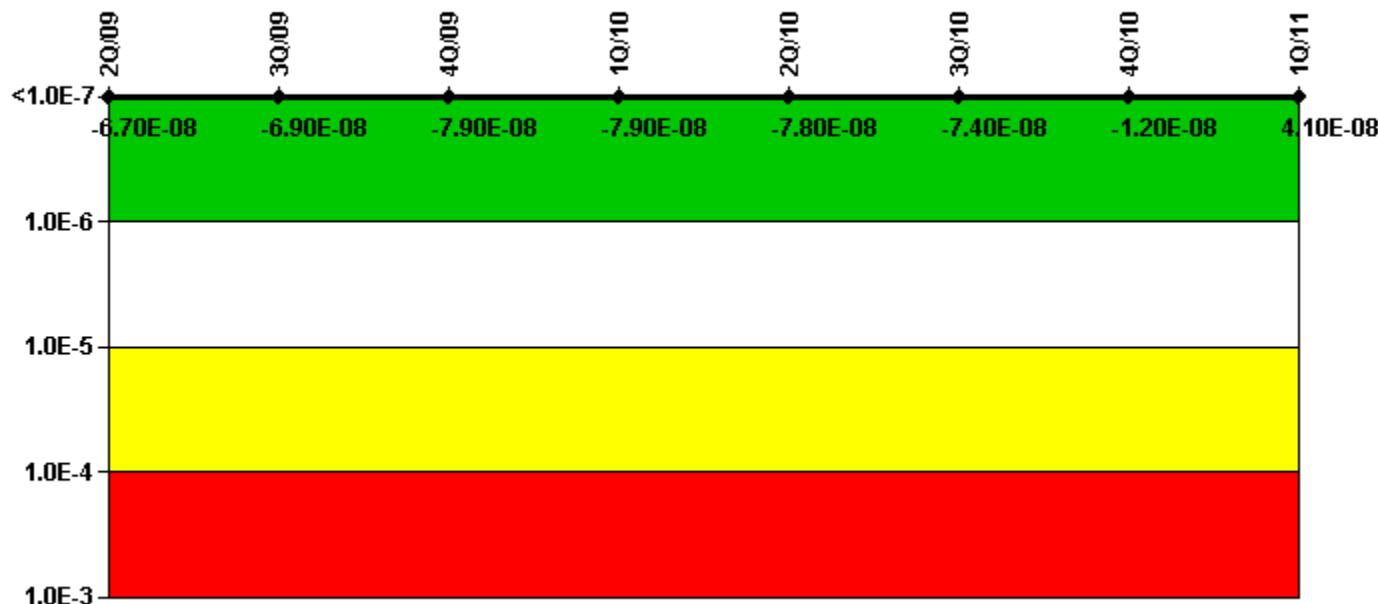
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-8.50E-09	-8.50E-09	-8.50E-09	-1.07E-08	-1.13E-08	-1.13E-08	-1.88E-08	-1.88E-08
URI ( $\Delta$ CDF)	7.90E-08	8.10E-08	8.10E-08	-2.89E-08	-2.92E-08	-2.56E-08	-2.59E-08	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.05E-08</b>	<b>7.25E-08</b>	<b>7.25E-08</b>	<b>-4.00E-08</b>	<b>-4.10E-08</b>	<b>-3.70E-08</b>	<b>-4.50E-08</b>	<b>-1.40E-07</b>

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.

# 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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-8.97E-10	-8.97E-10	-8.60E-10	-8.29E-10	-2.40E-10	2.95E-09	5.69E-08	1.07E-07
URI ( $\Delta$ CDF)	-6.61E-08	-6.76E-08	-7.82E-08	-7.82E-08	-7.73E-08	-7.70E-08	-6.91E-08	-6.64E-08
PLE	NO	NO						
<b>Indicator value</b>	<b>-6.70E-08</b>	<b>-6.90E-08</b>	<b>-7.90E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>

## 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.

3Q/10: Changed PRA Parameter(s). One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529) Update for change file: According to December 2008 Unit 1 Cooling Water Derivation Report, the FVUAP values for U1 RHRSSW divisions 1 and 2 matched the corresponding values in Version C of MSPI Basis Document. Version D of MSPI Basis Document was signed on 12/31/2008. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 1 is 7.22e-02, while Version D of the MSPI Basis Document shows that it should be 3.90e-02. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 2 is 6.83e-03, while Version D of the MSPI Basis Document shows that it should be 7.22e-02. Values in Version E of the MSPI Basis Document went into effect October 2010. Thus, the FVUAP values for U1 RHRSSW Division 1 and Division 2 were overridden from January 2009 through September 2010 to match the corresponding values in Version D in the Basis Document. This change did not affect the color of the indicator.

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

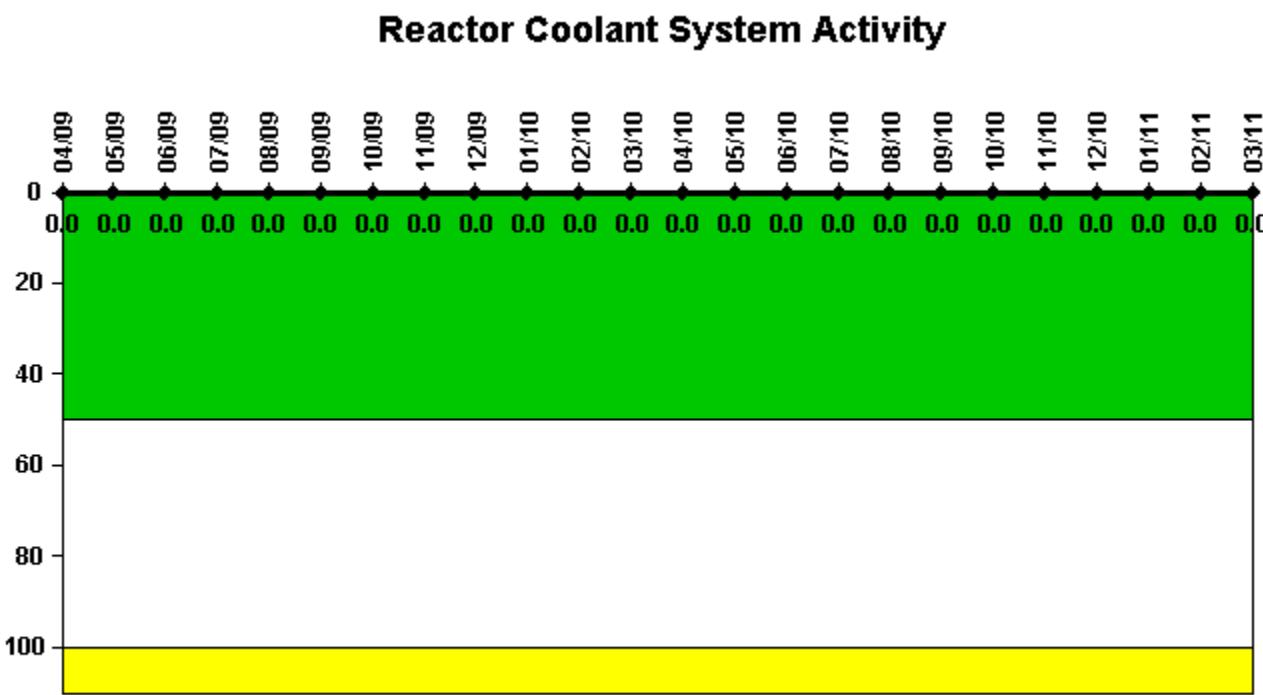
1Q/10: Changed PRA Parameter(s).

4Q/09: Changed PRA Parameter(s).

3Q/09: Changed PRA Parameter(s).

## 2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s). CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

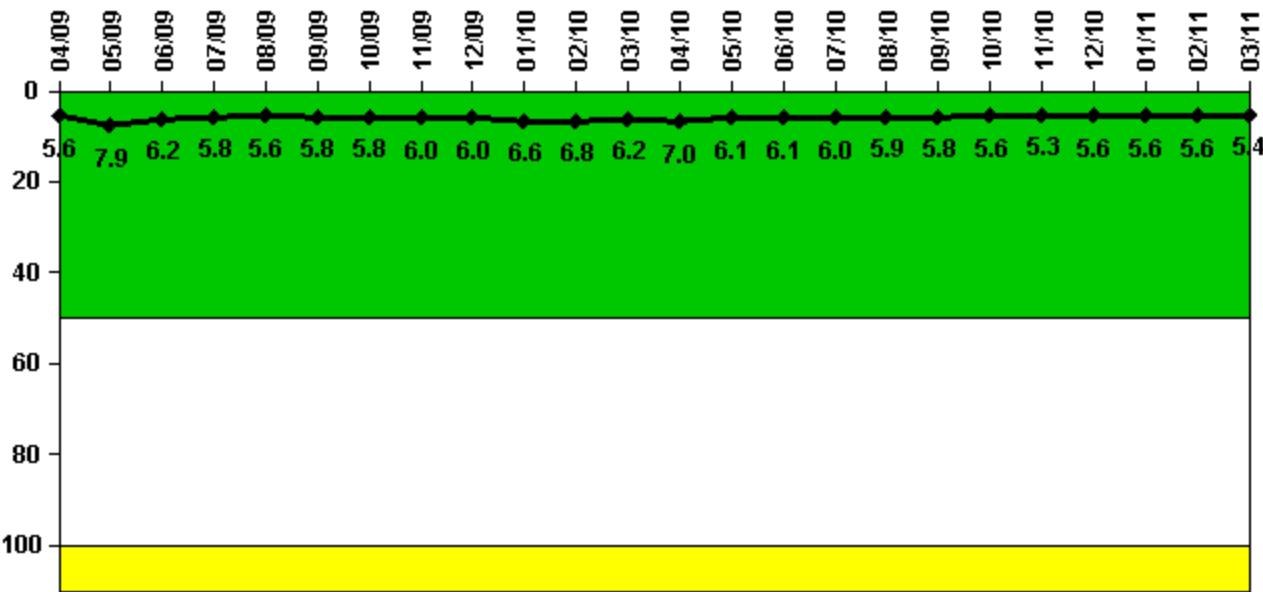


Thresholds: White > 50.0 Yellow > 100.0

## Notes

Licensee Comments: none

### Reactor Coolant System Leakage



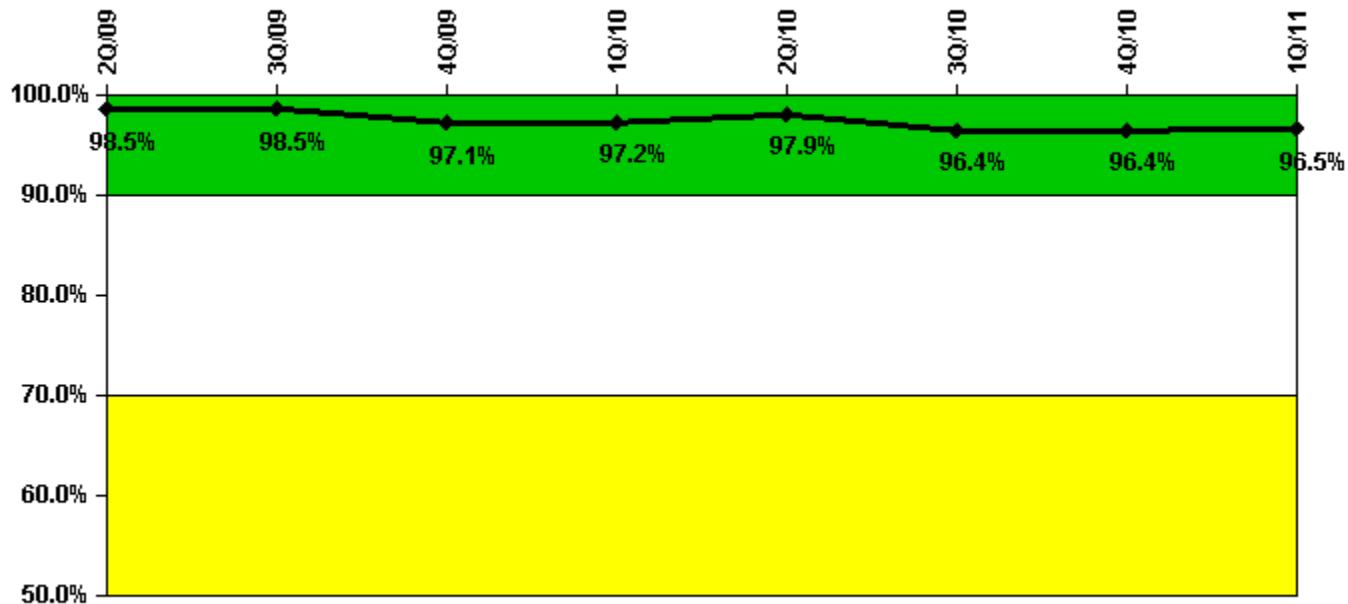
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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 leakage	1.670	2.360	1.860	1.730	1.680	1.730	1.740	1.790	1.810	1.970	2.040	1.850
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	5.6	7.9	6.2	5.8	5.6	5.8	5.8	6.0	6.0	6.6	6.8	6.2
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	2.090	1.820	1.840	1.790	1.780	1.740	1.670	1.600	1.680	1.690	1.680	1.630
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	7.0	6.1	6.1	6.0	5.9	5.8	5.6	5.3	5.6	5.6	5.6	5.4

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

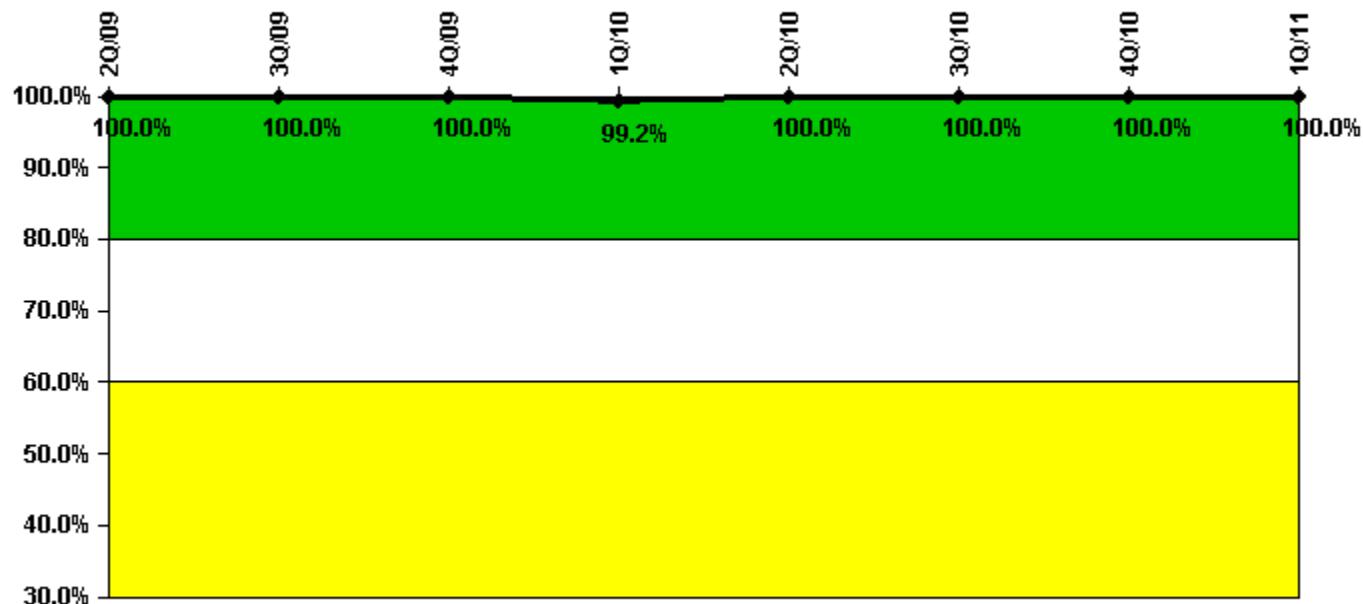
### Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	23.0	10.0	12.0	12.0	27.0	38.0	8.0	8.0
Total opportunities	23.0	10.0	14.0	12.0	28.0	40.0	8.0	8.0
<b>Indicator value</b>	<b>98.5%</b>	<b>98.5%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.9%</b>	<b>96.4%</b>	<b>96.4%</b>	<b>96.5%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	132.0	136.0	134.0	129.0	135.0	136.0	138.0	136.0
Total Key personnel	132.0	136.0	134.0	130.0	135.0	136.0	138.0	136.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

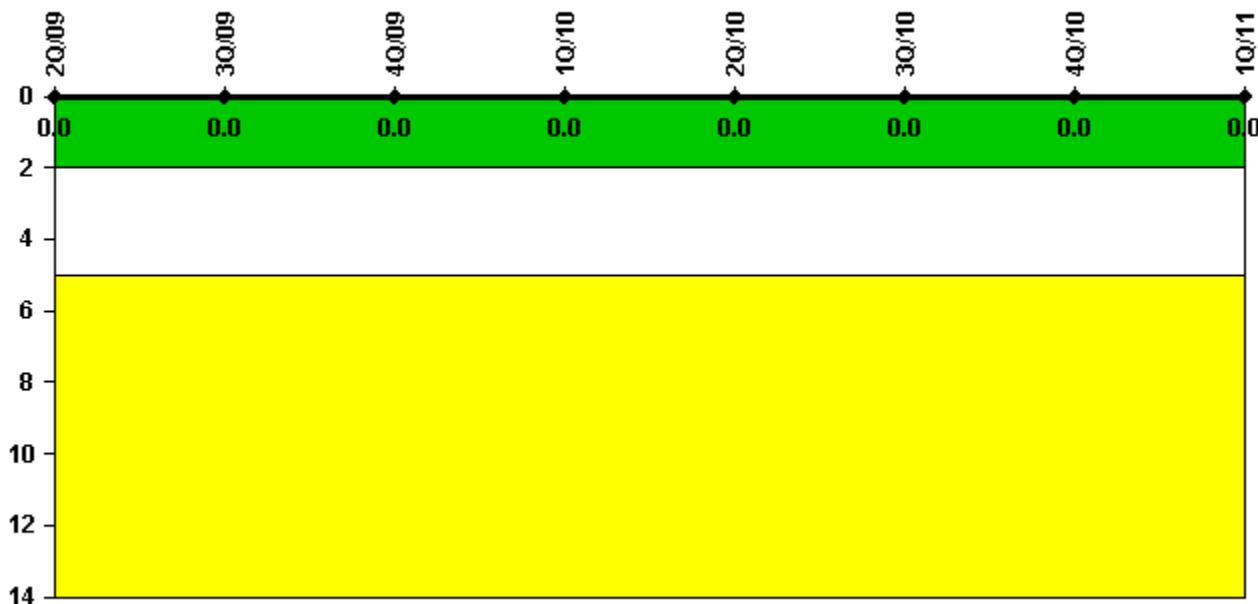
### **Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/09</b>	<b>3Q/09</b>	<b>4Q/09</b>	<b>1Q/10</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



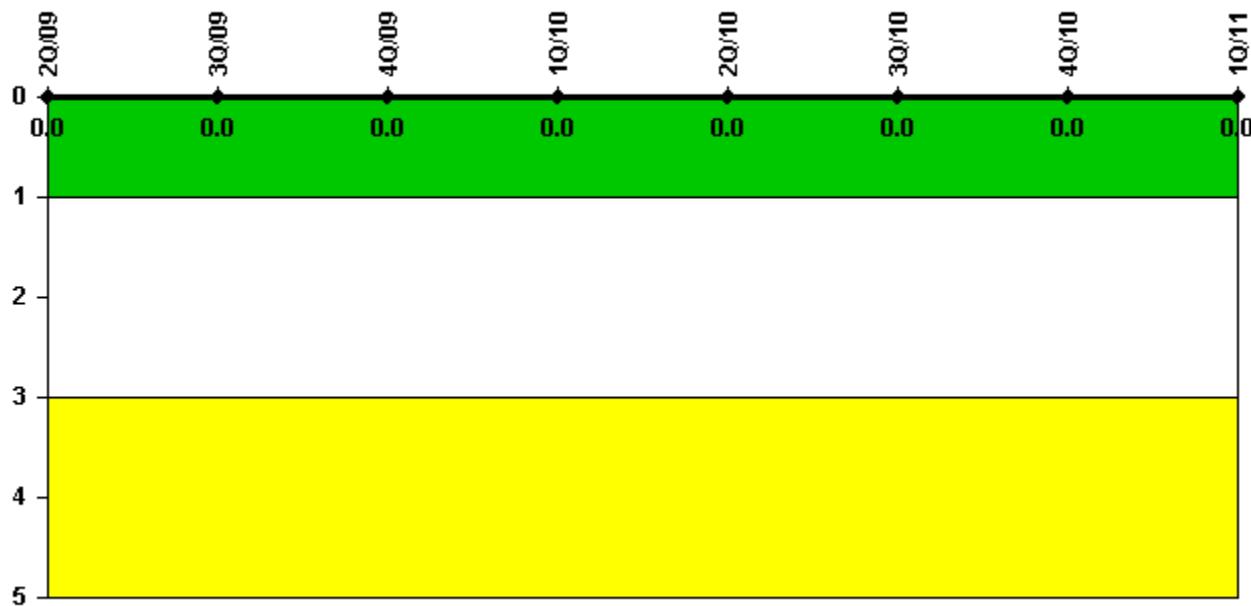
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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

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[Security](#) information not publicly available.

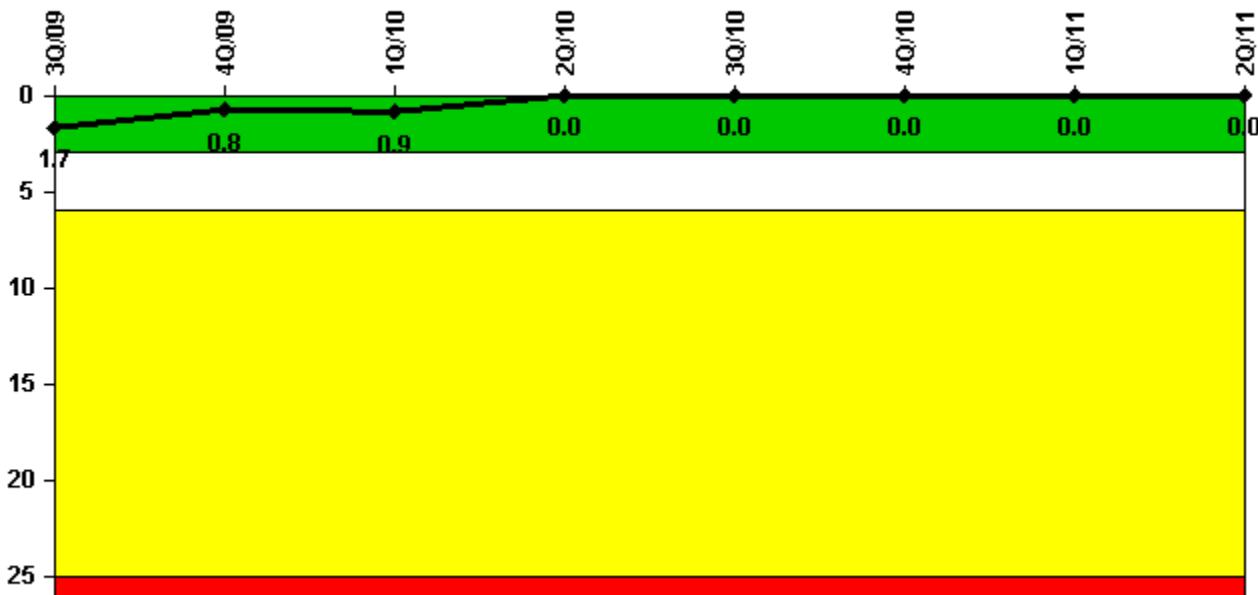
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# Hatch 1

## 2Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



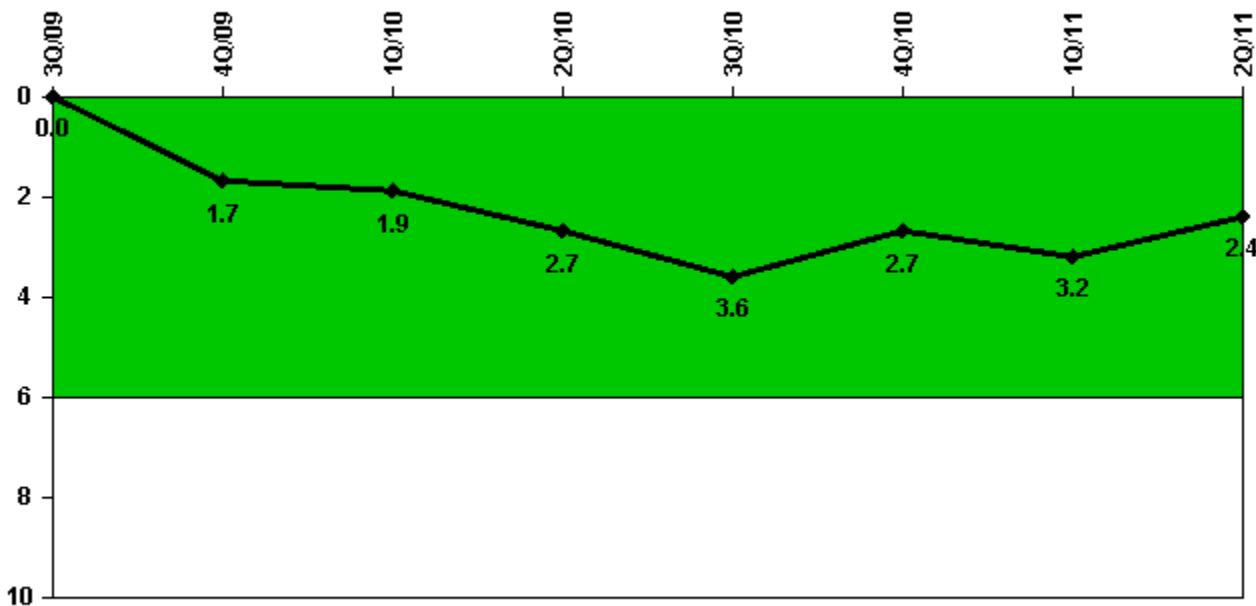
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0
Indicator value	1.7	0.8	0.9	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

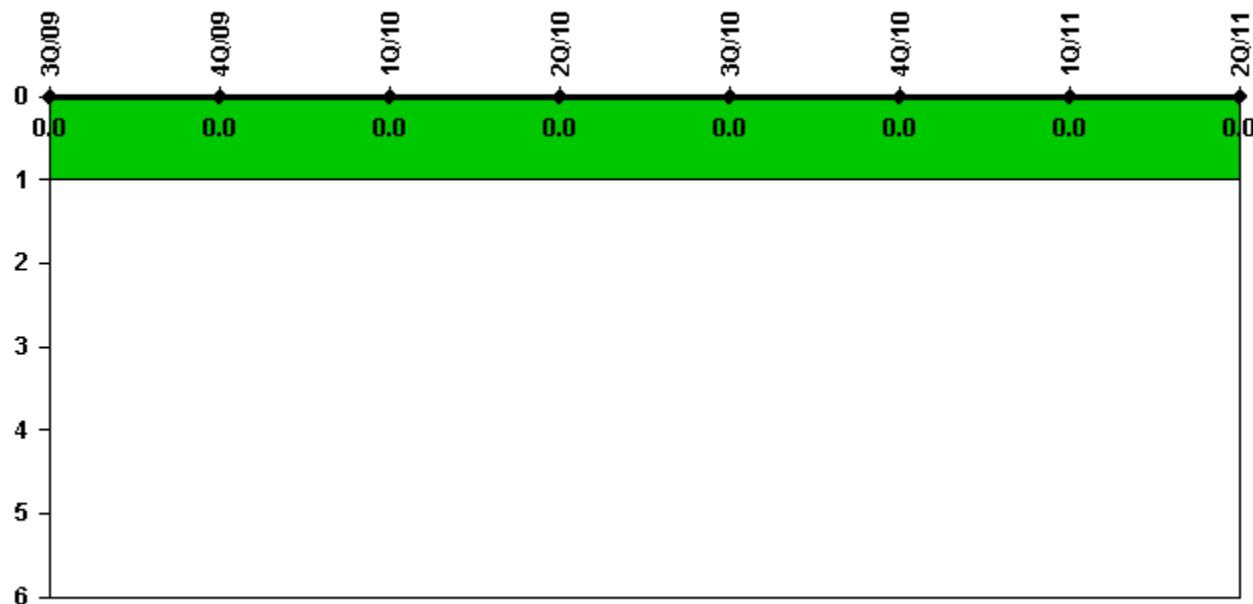
### Notes

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	2.0	0	1.0	1.0	1.0	1.0	0
Critical hours	2208.0	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0
Indicator value	<b>0</b>	<b>1.7</b>	<b>1.9</b>	<b>2.7</b>	<b>3.6</b>	<b>2.7</b>	<b>3.2</b>	<b>2.4</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

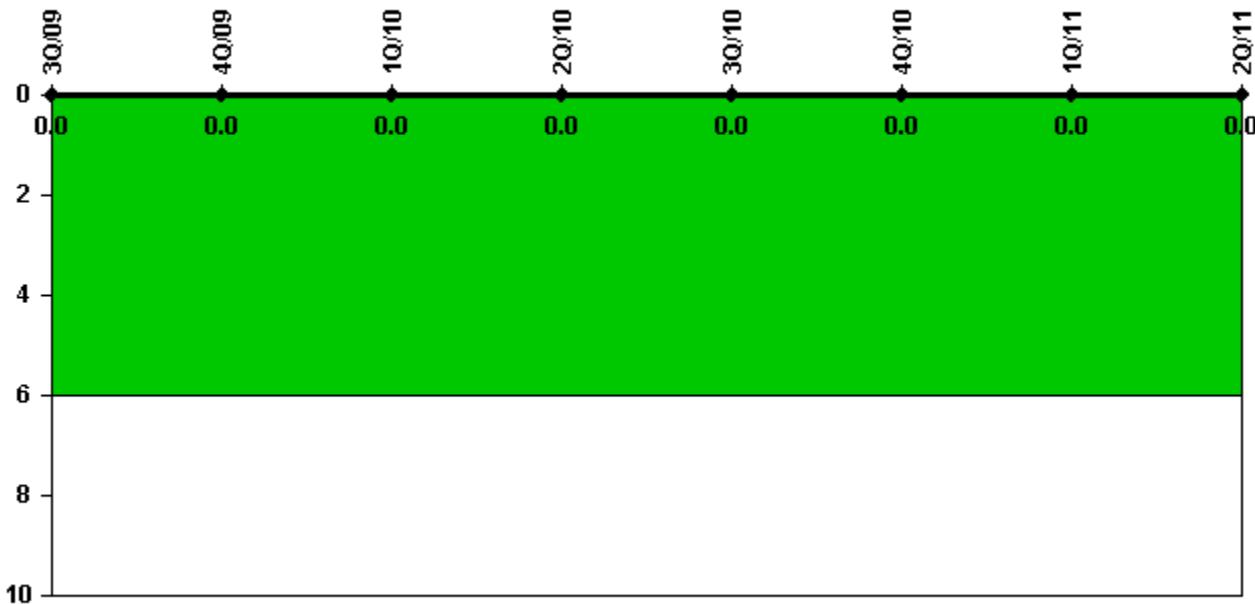
### Notes

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

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

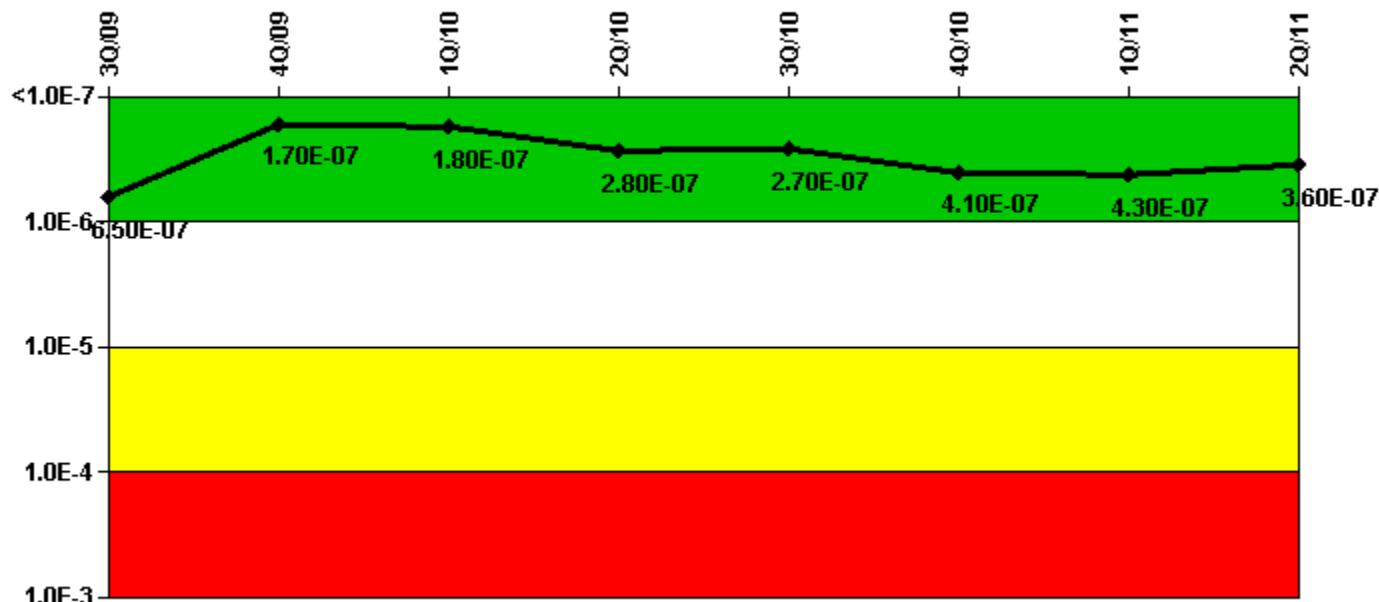
### Notes

Safety System Functional Failures (BWR)	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



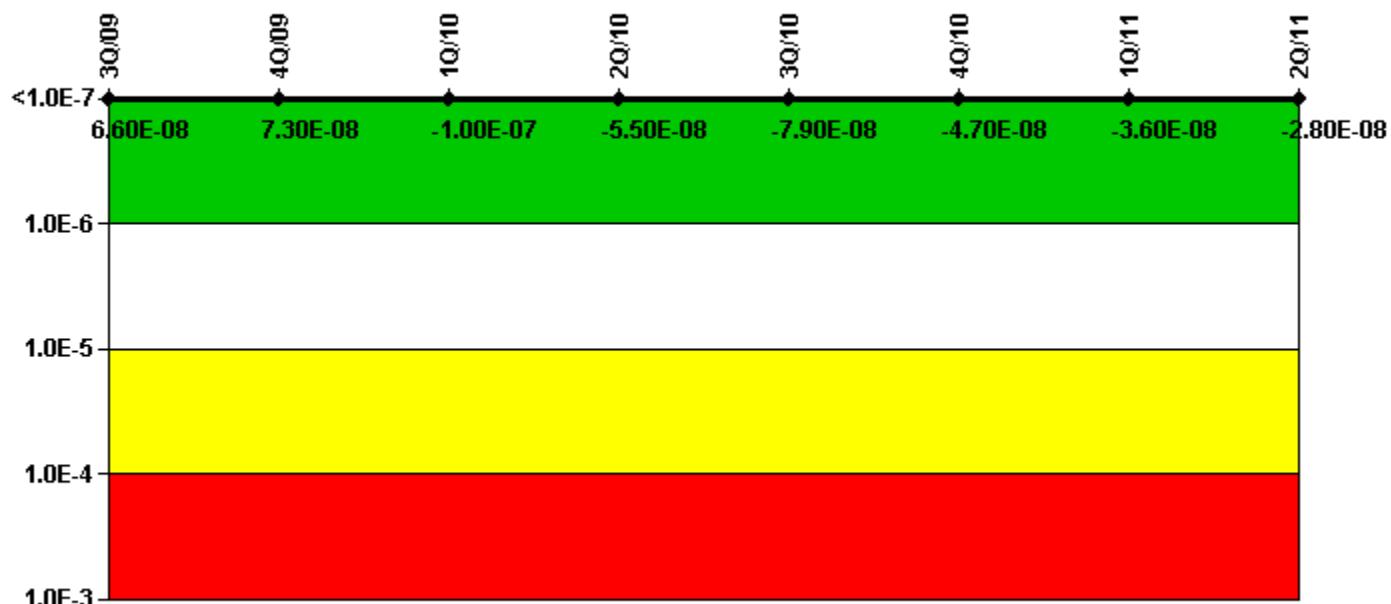
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	2.00E-08	4.72E-08	5.95E-08	5.57E-08	6.77E-08	1.40E-07	1.43E-07	8.35E-08
URI ( $\Delta$ CDF)	6.30E-07	1.24E-07	1.16E-07	2.25E-07	2.06E-07	2.68E-07	2.86E-07	2.81E-07
PLE	NO							
<b>Indicator value</b>	<b>6.50E-07</b>	<b>1.70E-06</b>	<b>1.80E-06</b>	<b>2.80E-06</b>	<b>2.70E-06</b>	<b>4.10E-06</b>	<b>4.30E-06</b>	<b>3.60E-06</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



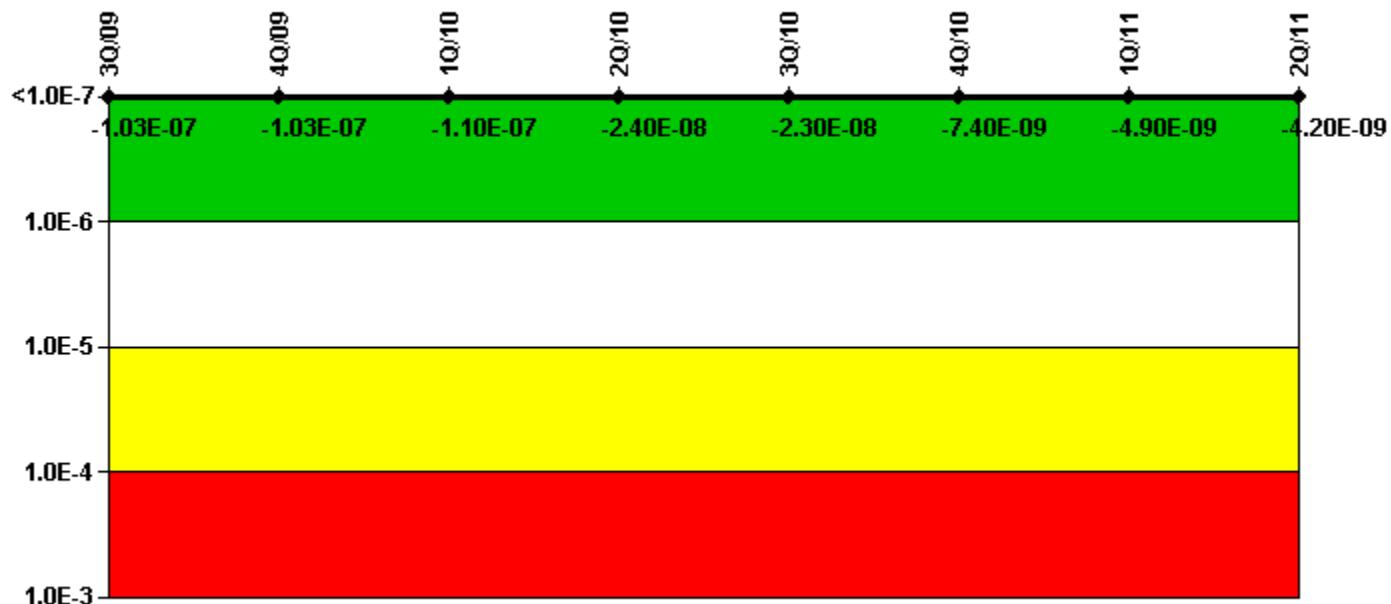
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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 ( $\Delta$ CDF)	2.10E-08	2.10E-08	-3.64E-08	1.55E-08	-1.09E-08	-6.03E-09	3.15E-09	1.09E-08
URI ( $\Delta$ CDF)	4.50E-08	5.20E-08	-6.69E-08	-7.04E-08	-6.85E-08	-4.08E-08	-3.94E-08	-3.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>6.60E-08</b>	<b>7.30E-08</b>	<b>-1.00E-07</b>	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



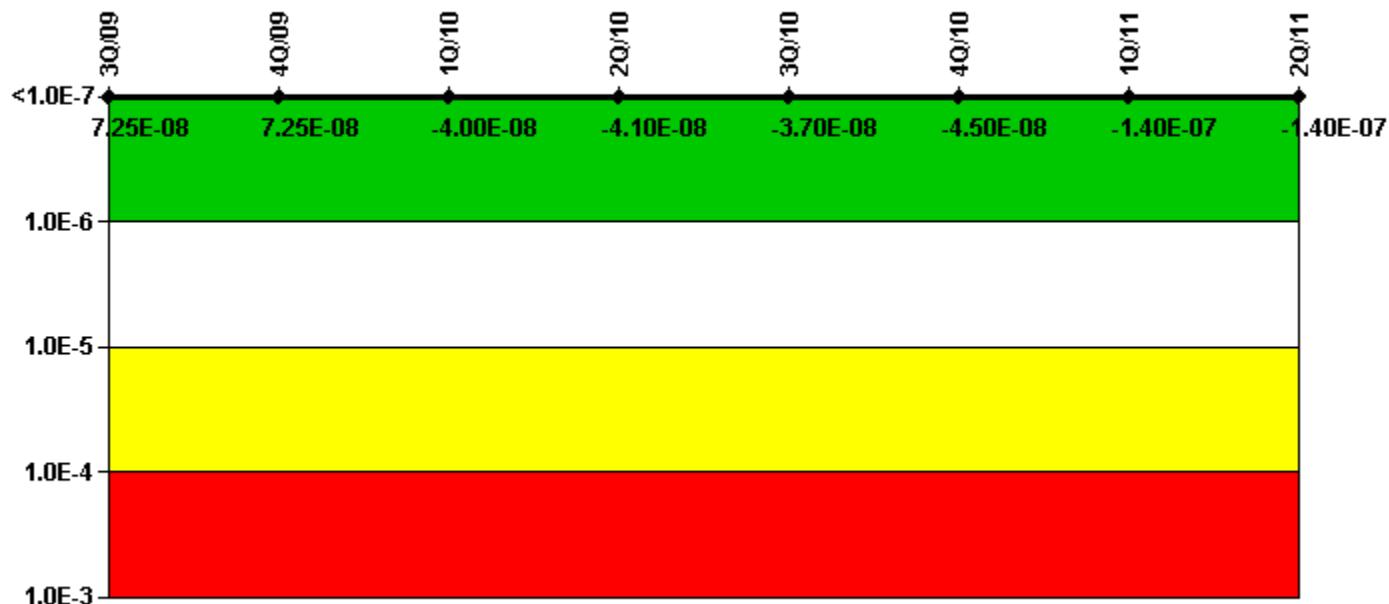
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-4.10E-08	-4.10E-08	-4.02E-08	4.60E-08	4.64E-08	8.26E-09	1.01E-08	1.03E-08
URI ( $\Delta$ CDF)	-6.20E-08	-6.20E-08	-6.69E-08	-6.96E-08	-6.96E-08	-1.56E-08	-1.50E-08	-1.45E-08
PLE	NO							
Indicator value	<b>-1.03E-07</b>	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



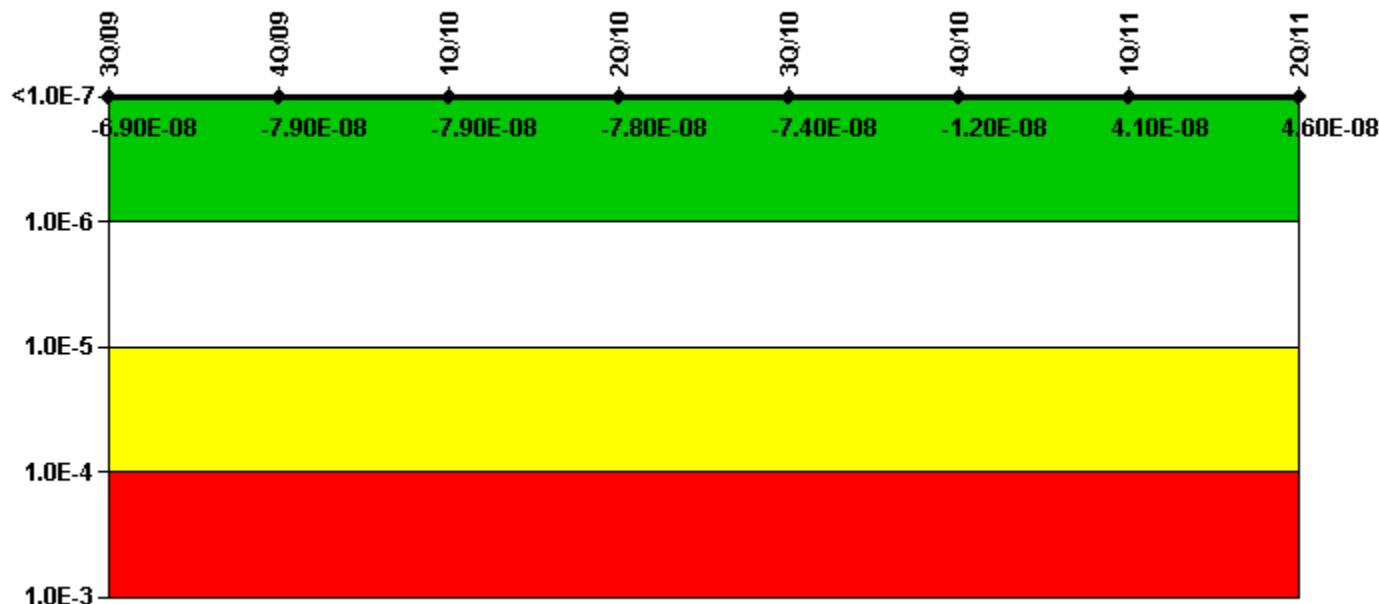
Thresholds: White >  $1.00\text{E-}6$  Yellow >  $1.00\text{E-}5$  Red >  $1.00\text{E-}4$

### 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)	-8.50E-09	-8.50E-09	-1.07E-08	-1.13E-08	-1.13E-08	-1.88E-08	-1.88E-08	-1.88E-08
URI ( $\Delta$ CDF)	8.10E-08	8.10E-08	-2.89E-08	-2.92E-08	-2.56E-08	-2.59E-08	-1.18E-07	-1.17E-07
PLE	NO							
Indicator value	7.25E-08	7.25E-08	-4.00E-08	-4.10E-08	-3.70E-08	-4.50E-08	-1.40E-07	-1.40E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



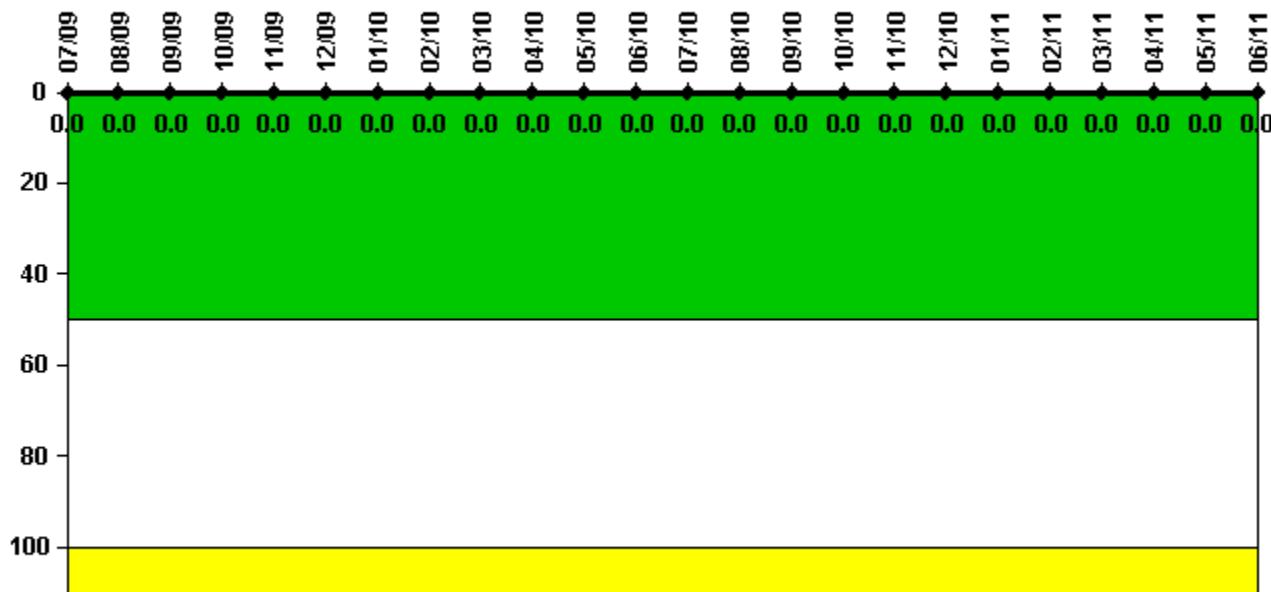
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-8.97E-10	-8.60E-10	-8.29E-10	-2.40E-10	2.95E-09	5.69E-08	1.07E-07	1.07E-07
URI ( $\Delta$ CDF)	-6.76E-08	-7.82E-08	-7.82E-08	-7.73E-08	-7.70E-08	-6.91E-08	-6.64E-08	-6.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-6.90E-08</b>	<b>-7.90E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



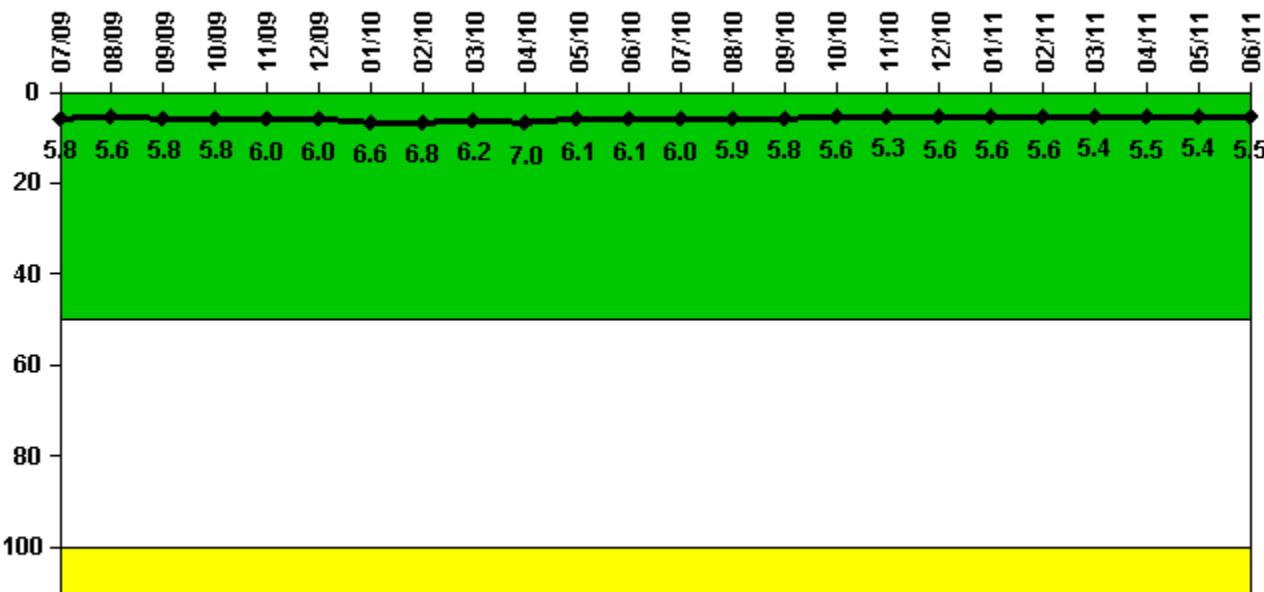
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000005	0.000005	0.000005	0.000006	0.000004	0.000005	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000006	0.000004	0.000005	0.000003	0.000005	0.000006	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



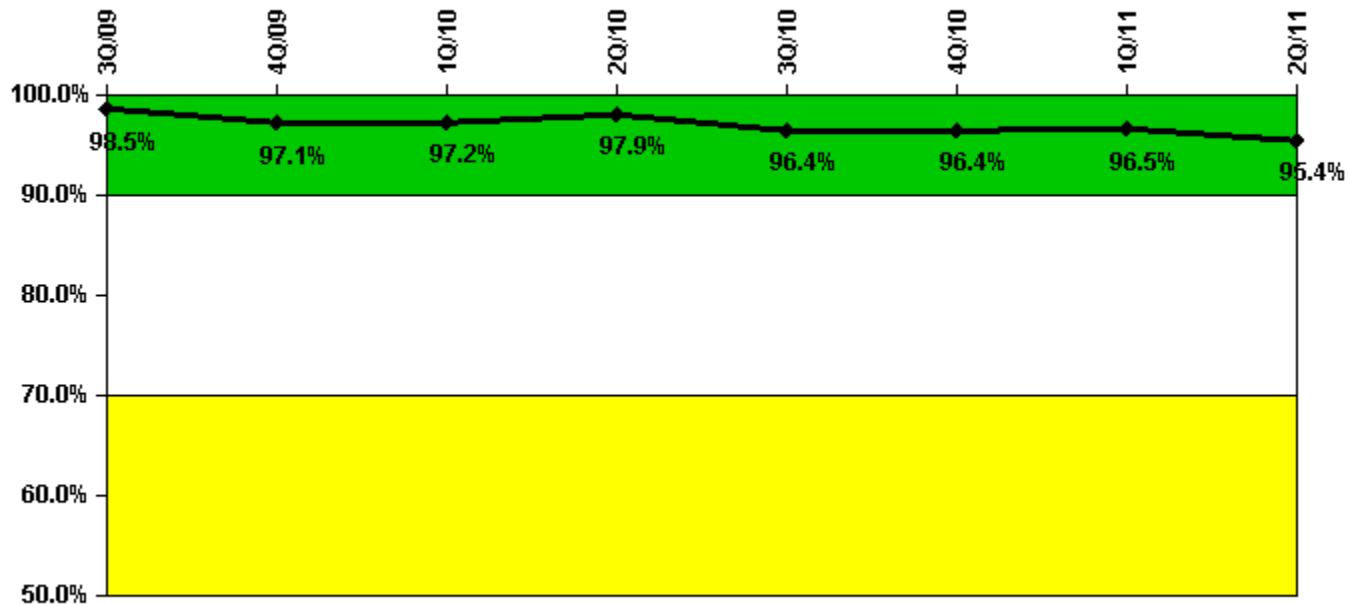
Thresholds: White > 50.0 Yellow > 100.0

### 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	1.730	1.680	1.730	1.740	1.790	1.810	1.970	2.040	1.850	2.090	1.820	1.840
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
<b>Indicator value</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>	<b>7.0</b>	<b>6.1</b>	<b>6.1</b>
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	1.790	1.780	1.740	1.670	1.600	1.680	1.690	1.680	1.630	1.640	1.630	1.640
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
<b>Indicator value</b>	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>	<b>5.6</b>	<b>5.3</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>

Licensee Comments: none

## Drill/Exercise Performance



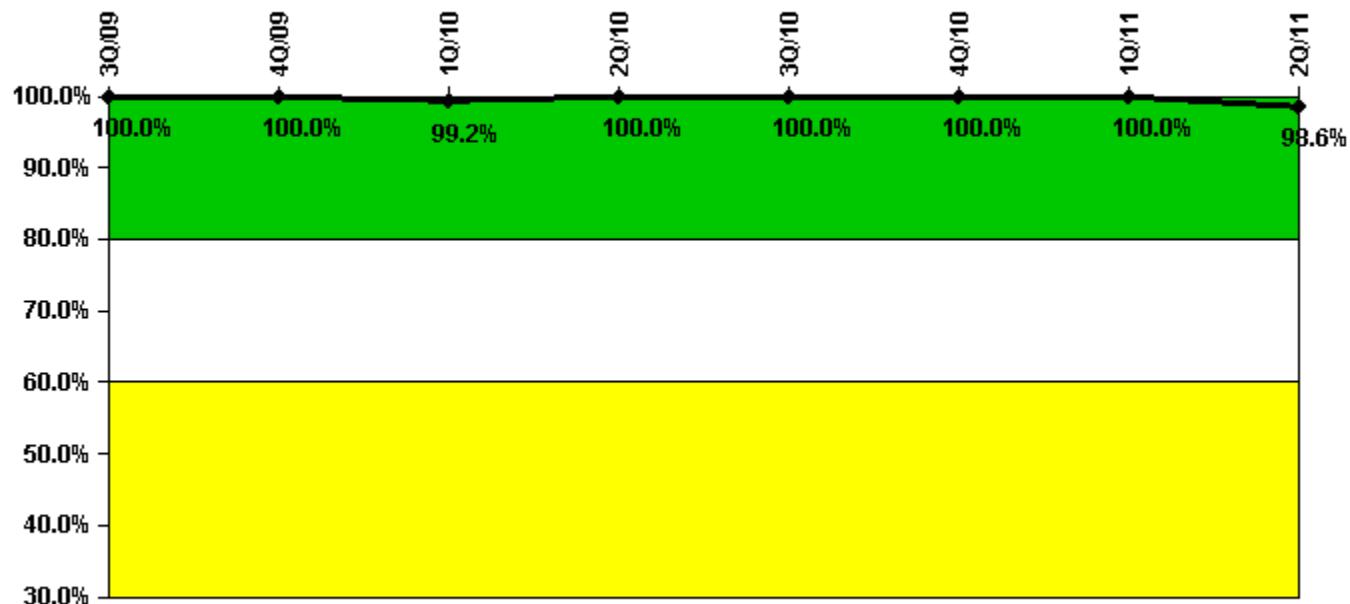
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	10.0	12.0	12.0	27.0	38.0	8.0	8.0	30.0
Total opportunities	10.0	14.0	12.0	28.0	40.0	8.0	8.0	32.0
Indicator value	98.5%	97.1%	97.2%	97.9%	96.4%	96.4%	96.5%	95.4%

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	136.0	134.0	129.0	135.0	136.0	138.0	136.0	141.0
Total Key personnel	136.0	134.0	130.0	135.0	136.0	138.0	136.0	143.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

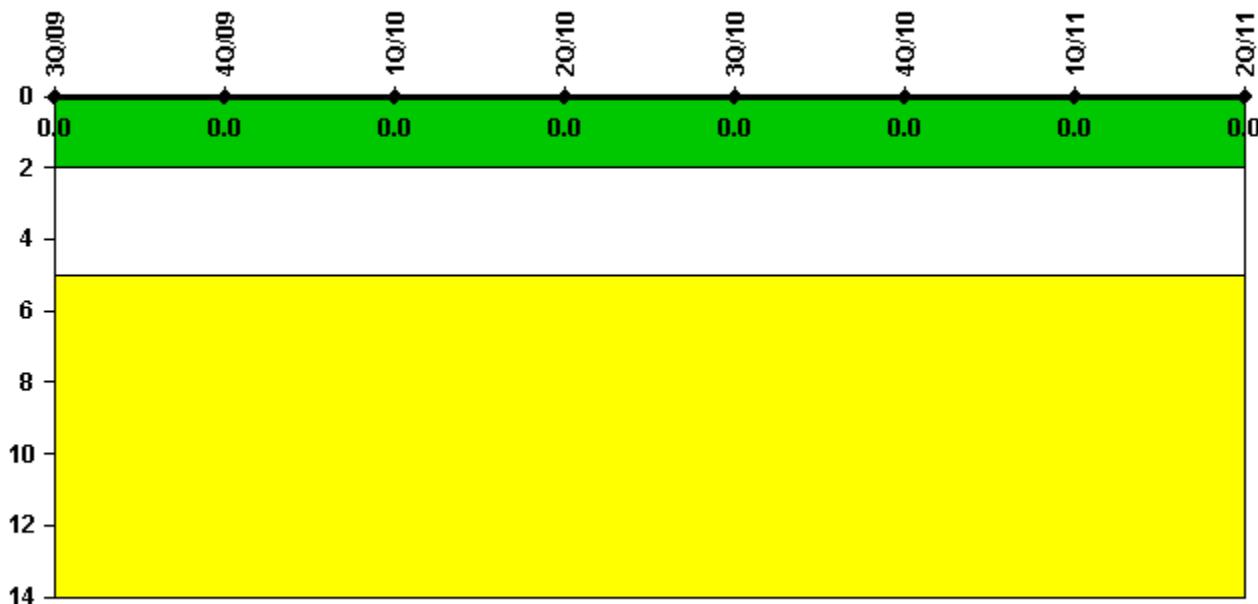
### **Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/09</b>	<b>4Q/09</b>	<b>1Q/10</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



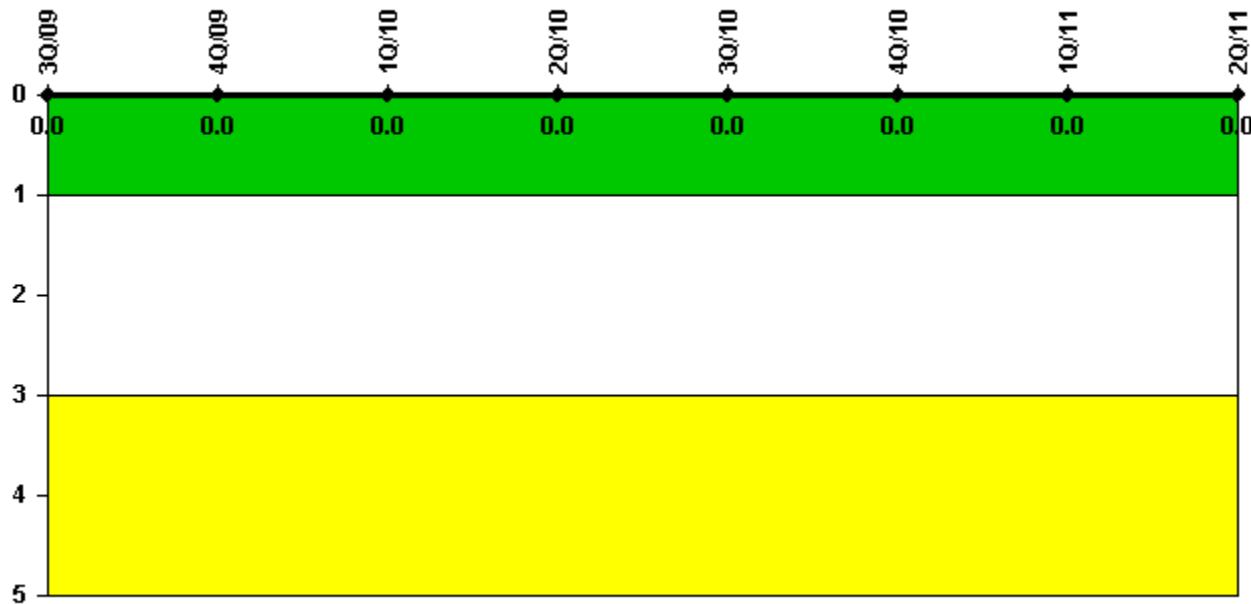
Thresholds: White > 2.0 Yellow > 5.0

### 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>							

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

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Security information not publicly available.

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# Hatch 1

## 3Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



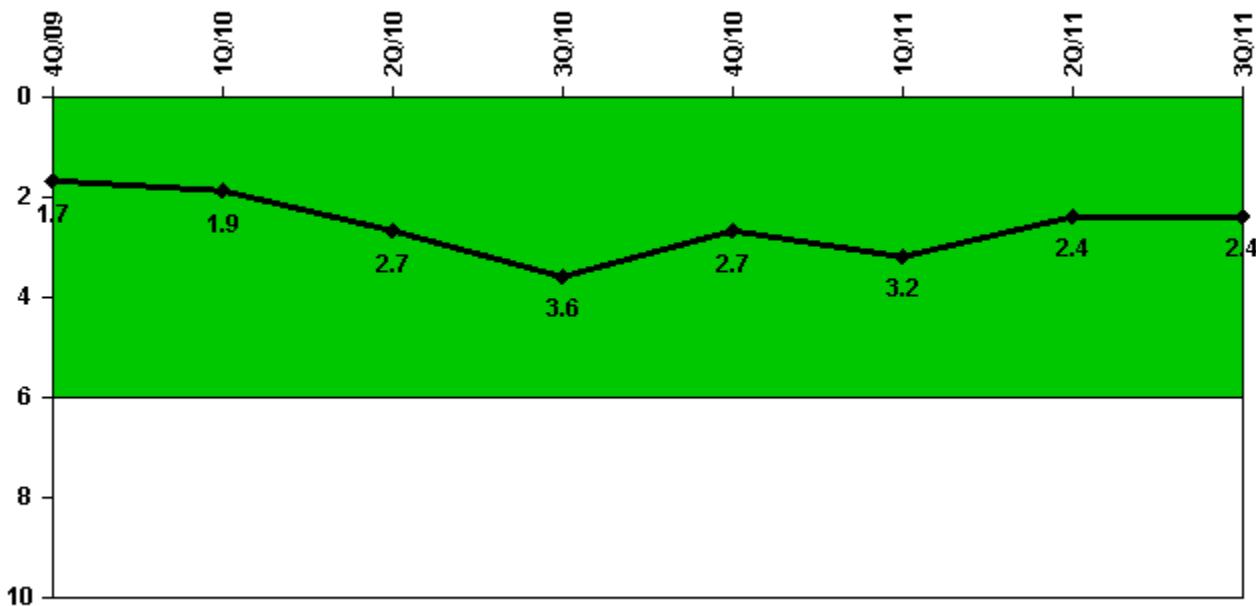
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0
Indicator value	0.8	0.9	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

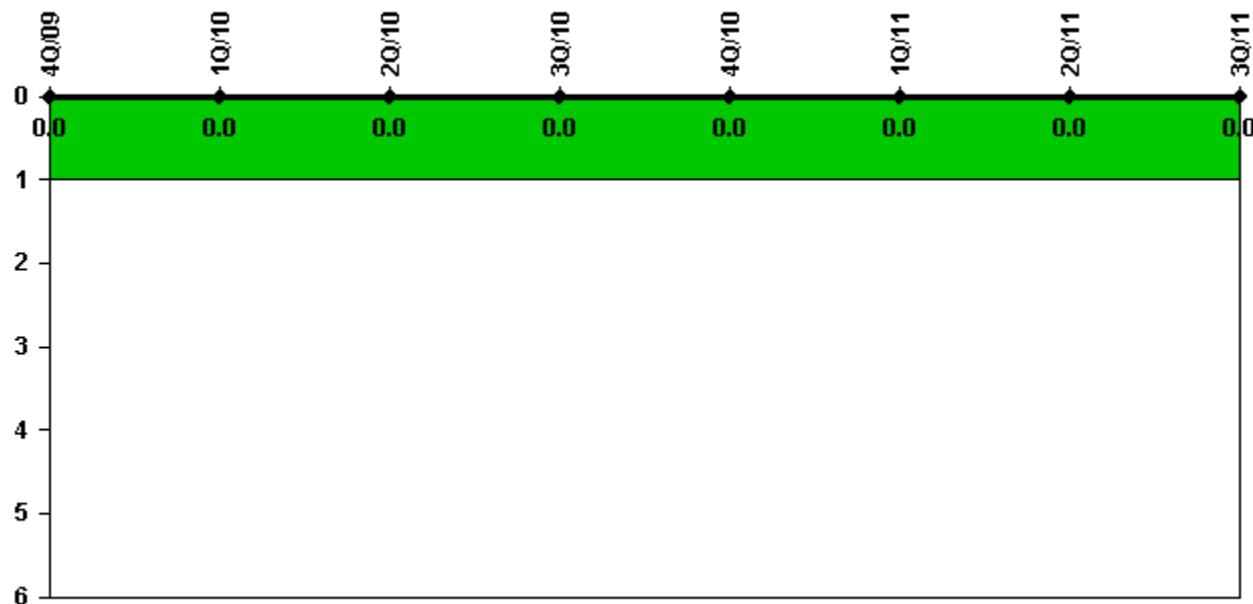
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	2.0	0	1.0	1.0	1.0	1.0	0	1.0
Critical hours	2209.0	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0
Indicator value	1.7	1.9	2.7	3.6	2.7	3.2	2.4	2.4

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

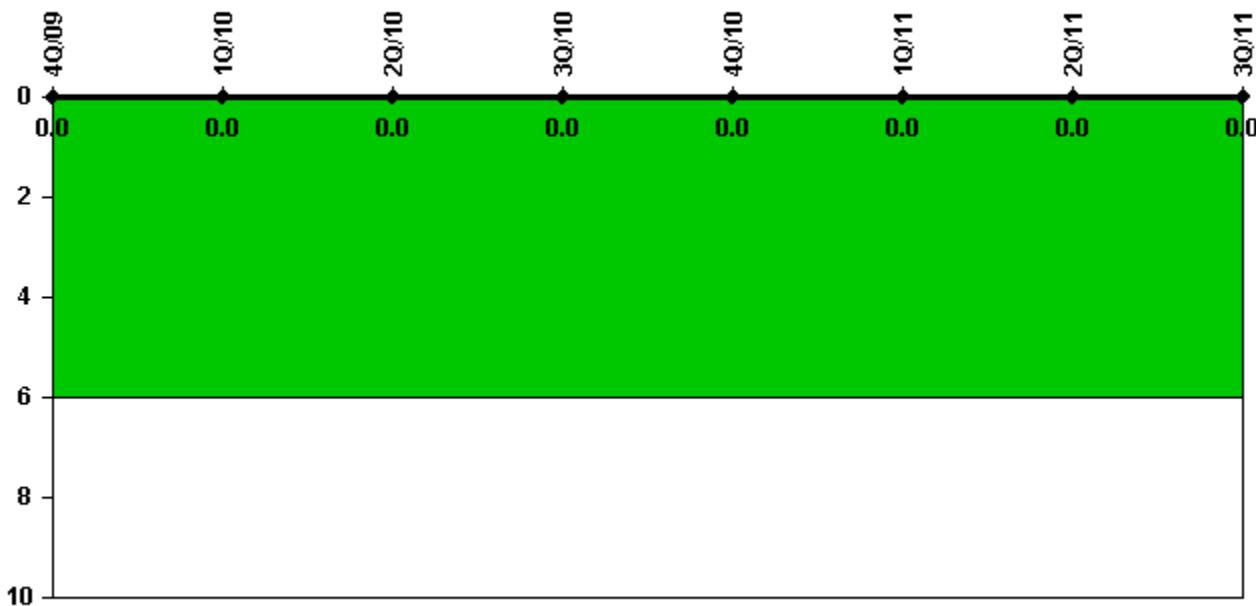
### Notes

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

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

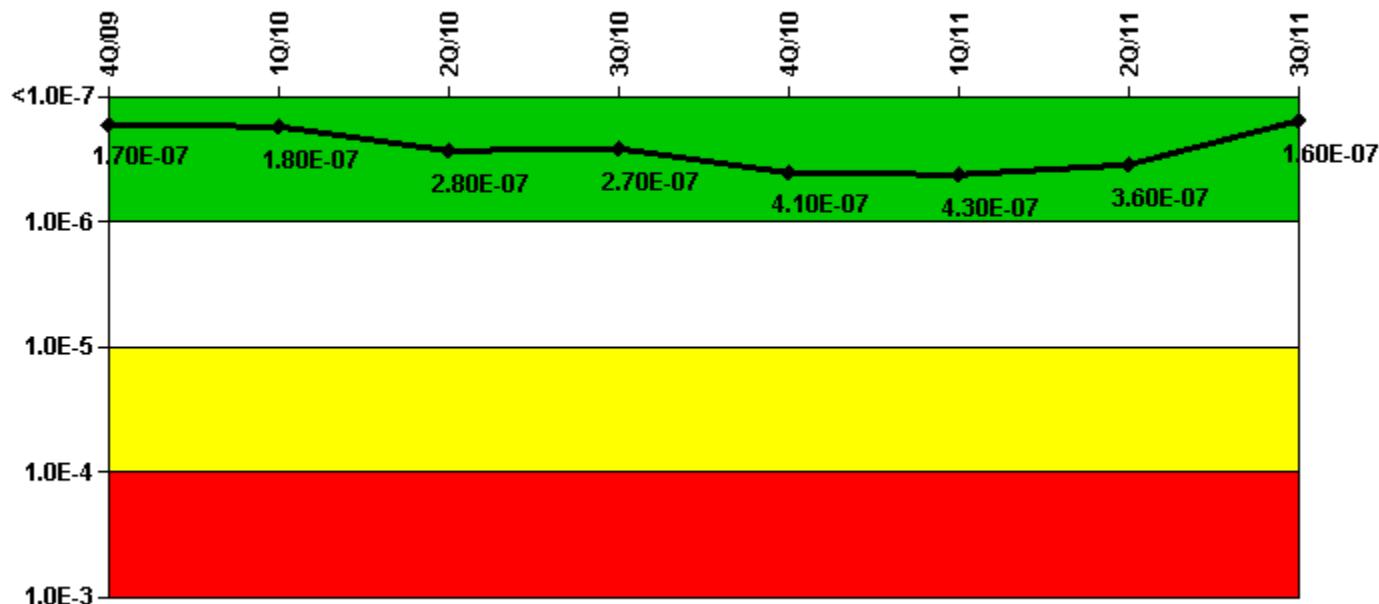
### Notes

Safety System Functional Failures (BWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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



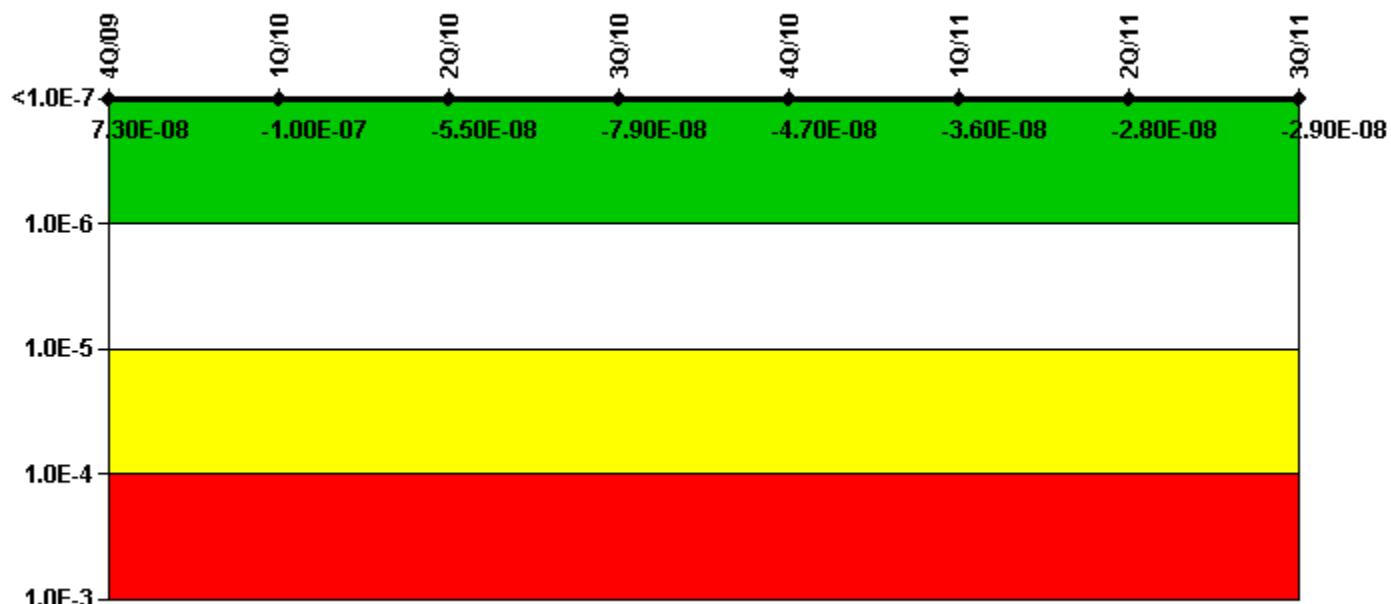
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	4.72E-08	5.95E-08	5.57E-08	6.77E-08	1.40E-07	1.43E-07	8.35E-08	8.23E-08
URI ( $\Delta$ CDF)	1.24E-07	1.16E-07	2.25E-07	2.06E-07	2.68E-07	2.86E-07	2.81E-07	7.94E-08
PLE	NO							
<b>Indicator value</b>	<b>1.70E-07</b>	<b>1.80E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>4.10E-07</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



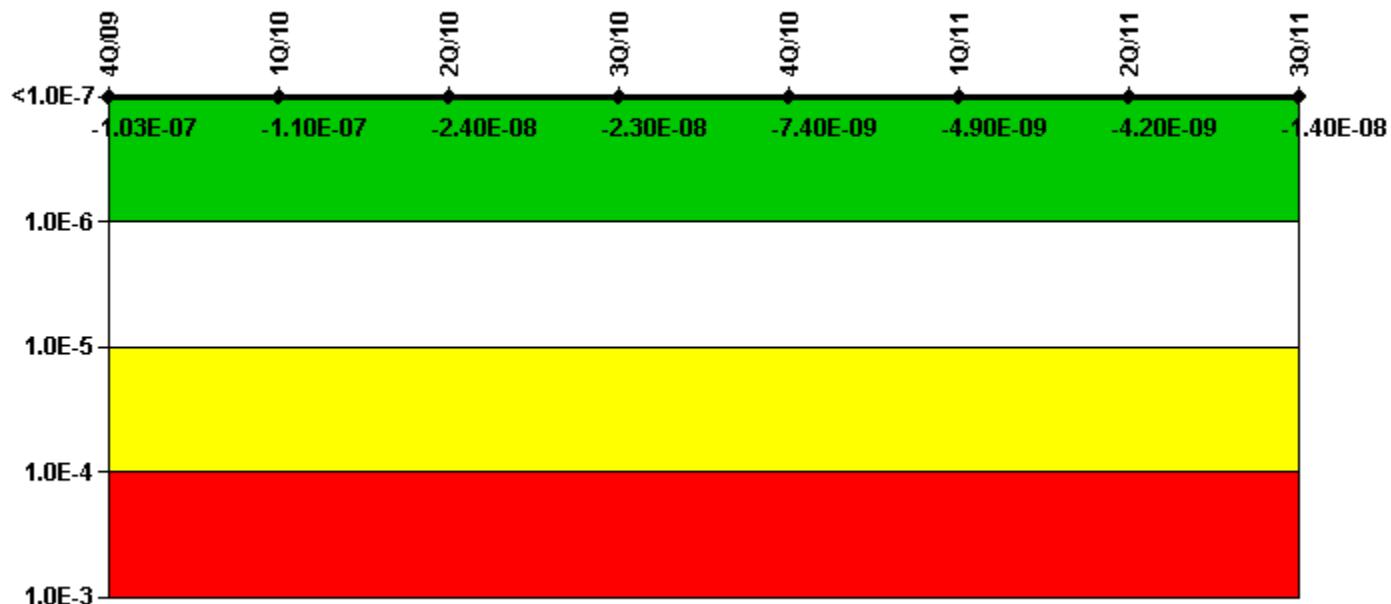
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	2.10E-08	-3.64E-08	1.55E-08	-1.09E-08	-6.03E-09	3.15E-09	1.09E-08	1.01E-08
URI ( $\Delta$ CDF)	5.20E-08	-6.69E-08	-7.04E-08	-6.85E-08	-4.08E-08	-3.94E-08	-3.93E-08	-3.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.30E-08</b>	<b>-1.00E-07</b>	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



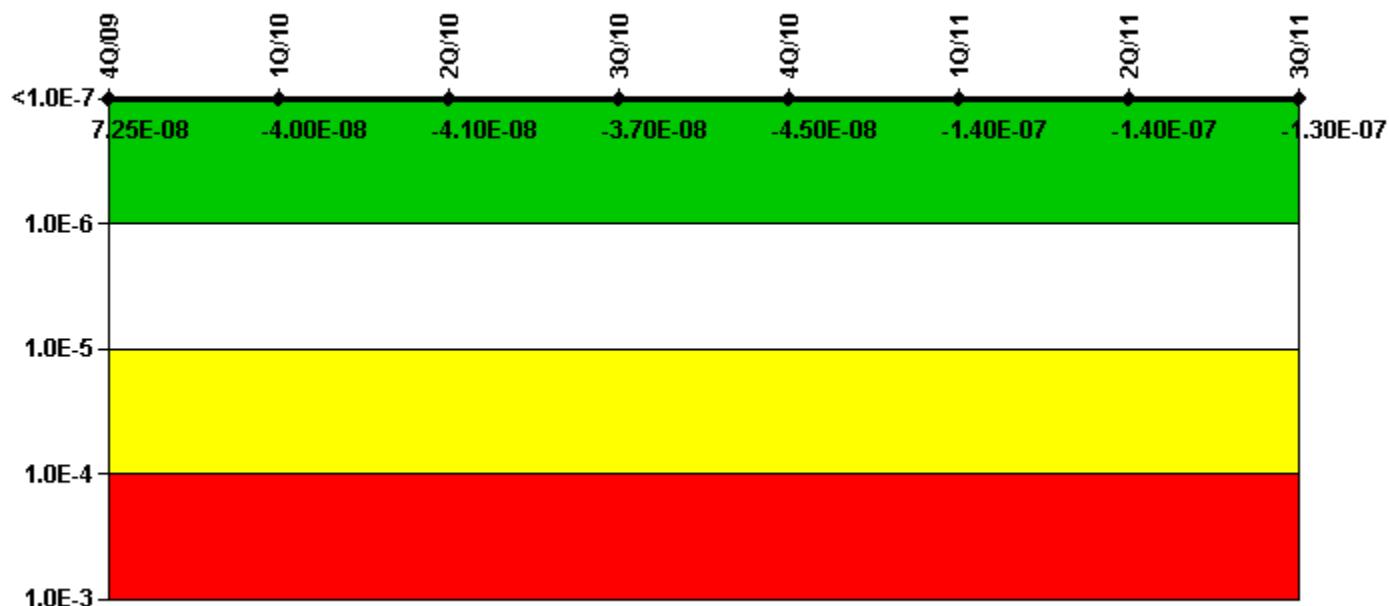
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-4.10E-08	-4.02E-08	4.60E-08	4.64E-08	8.26E-09	1.01E-08	1.03E-08	3.68E-10
URI ( $\Delta$ CDF)	-6.20E-08	-6.69E-08	-6.96E-08	-6.96E-08	-1.56E-08	-1.50E-08	-1.45E-08	-1.44E-08
PLE	NO							
Indicator value	<b>-1.03E-07</b>	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



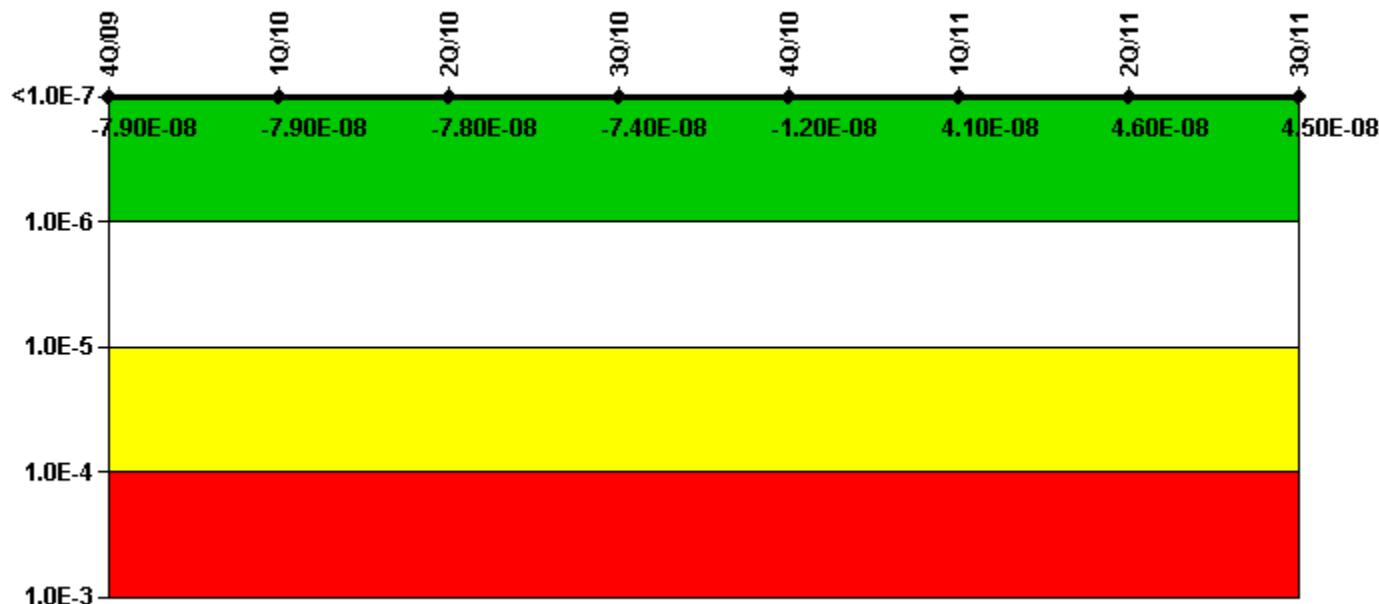
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-8.50E-09	-1.07E-08	-1.13E-08	-1.13E-08	-1.88E-08	-1.88E-08	-1.88E-08	-9.66E-09
URI ( $\Delta$ CDF)	8.10E-08	-2.89E-08	-2.92E-08	-2.56E-08	-2.59E-08	-1.18E-07	-1.17E-07	-1.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.25E-08</b>	<b>-4.00E-08</b>	<b>-4.10E-08</b>	<b>-3.70E-08</b>	<b>-4.50E-08</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



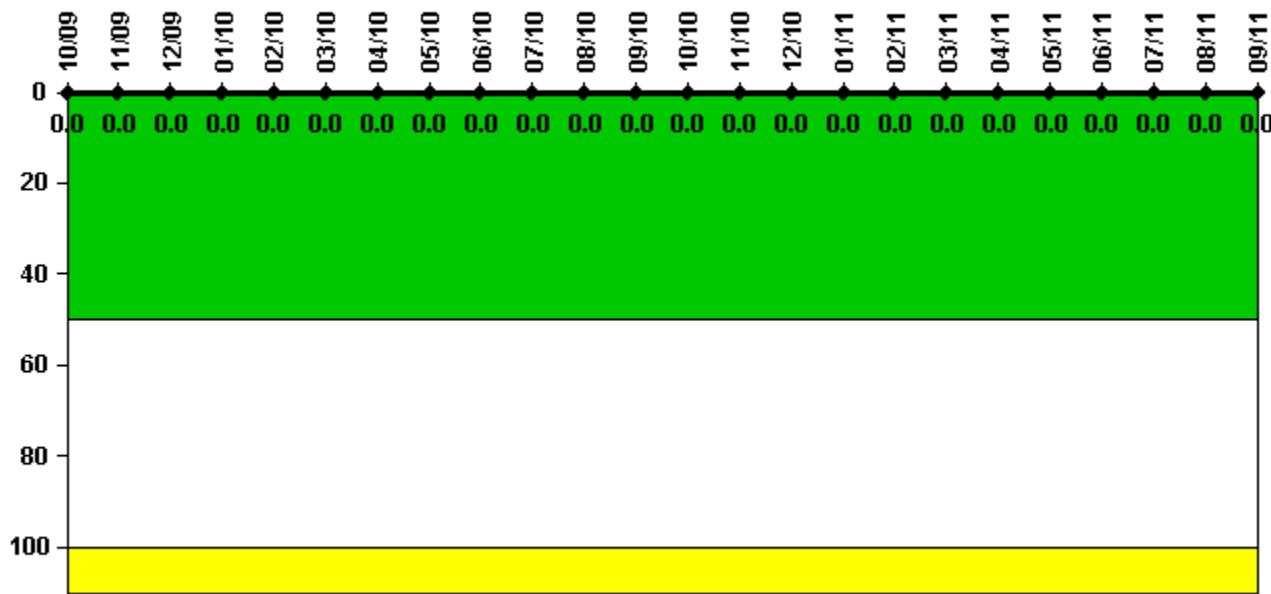
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-8.60E-10	-8.29E-10	-2.40E-10	2.95E-09	5.69E-08	1.07E-07	1.07E-07	1.07E-07
URI ( $\Delta$ CDF)	-7.82E-08	-7.82E-08	-7.73E-08	-7.70E-08	-6.91E-08	-6.64E-08	-6.13E-08	-6.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.90E-08</b>	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



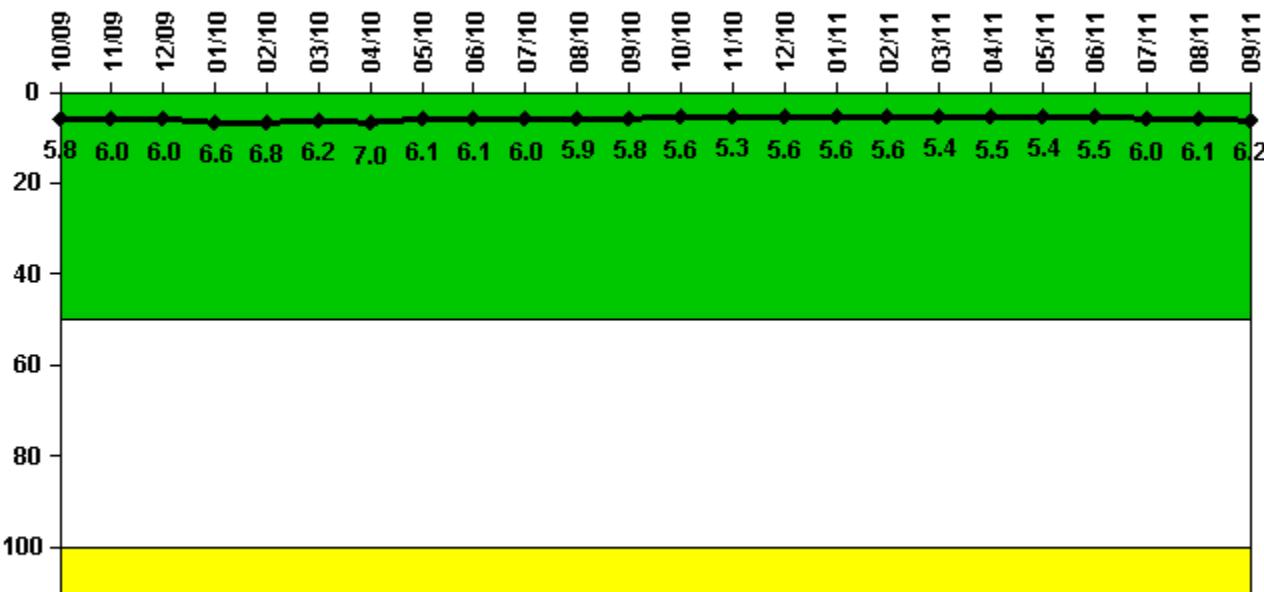
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000006	0.000004	0.000005	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005	0.000006	0.000004	0.000005
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	0
Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000003	0.000005	0.000006	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



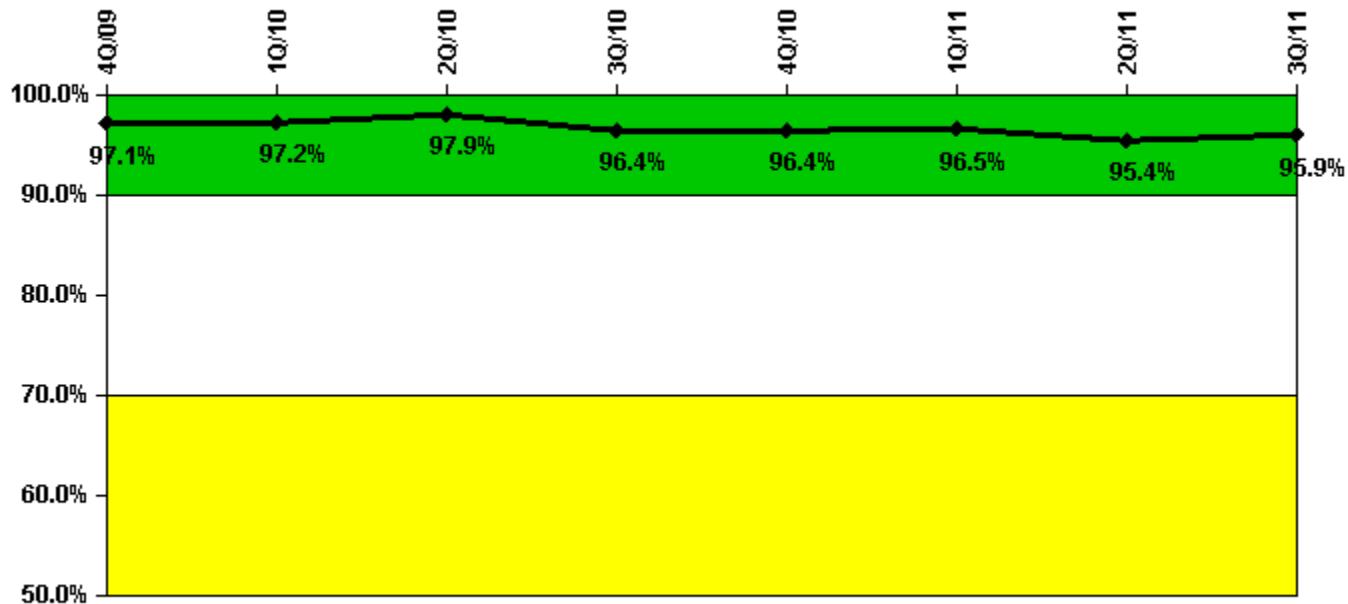
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</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>	<b>4/10</b>	<b>5/10</b>	<b>6/10</b>	<b>7/10</b>	<b>8/10</b>	<b>9/10</b>
Maximum leakage	1.740	1.790	1.810	1.970	2.040	1.850	2.090	1.820	1.840	1.790	1.780	1.740
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
<b>Indicator value</b>	<b>5.8</b>	<b>6.0</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>	<b>7.0</b>	<b>6.1</b>	<b>6.1</b>	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>
<b>Reactor Coolant System Leakage</b>	<b>10/10</b>	<b>11/10</b>	<b>12/10</b>	<b>1/11</b>	<b>2/11</b>	<b>3/11</b>	<b>4/11</b>	<b>5/11</b>	<b>6/11</b>	<b>7/11</b>	<b>8/11</b>	<b>9/11</b>
Maximum leakage	1.670	1.600	1.680	1.690	1.680	1.630	1.640	1.630	1.640	1.810	1.840	1.870
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.3</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

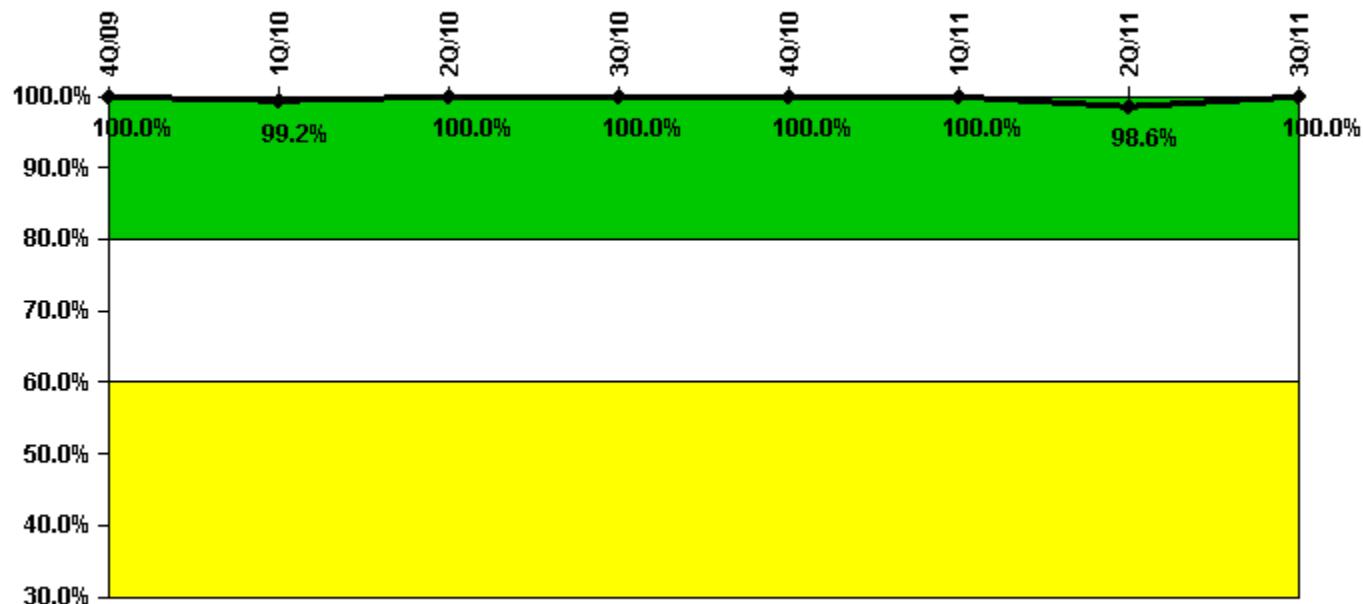
### Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	12.0	12.0	27.0	38.0	8.0	8.0	30.0	28.0
Total opportunities	14.0	12.0	28.0	40.0	8.0	8.0	32.0	28.0
Indicator value	97.1%	97.2%	97.9%	96.4%	96.4%	96.5%	95.4%	95.9%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	134.0	129.0	135.0	136.0	138.0	136.0	141.0	145.0
Total Key personnel	134.0	130.0	135.0	136.0	138.0	136.0	143.0	145.0
<b>Indicator value</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

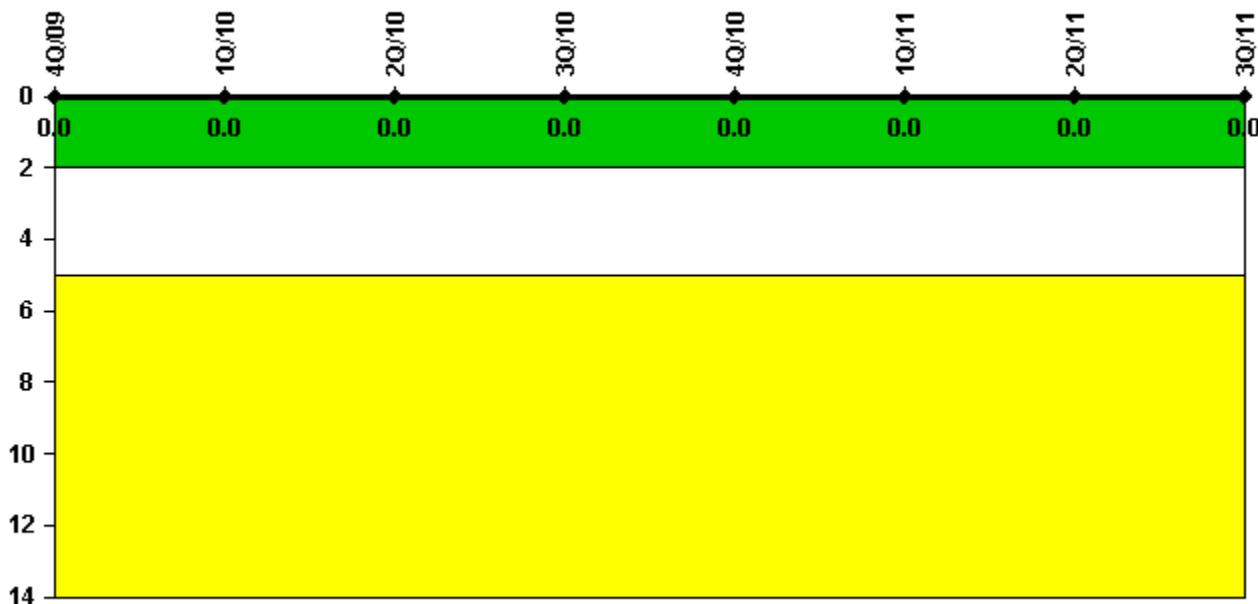
### **Notes**

<b>Alert &amp; Notification System</b>	<b>4Q/09</b>	<b>1Q/10</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



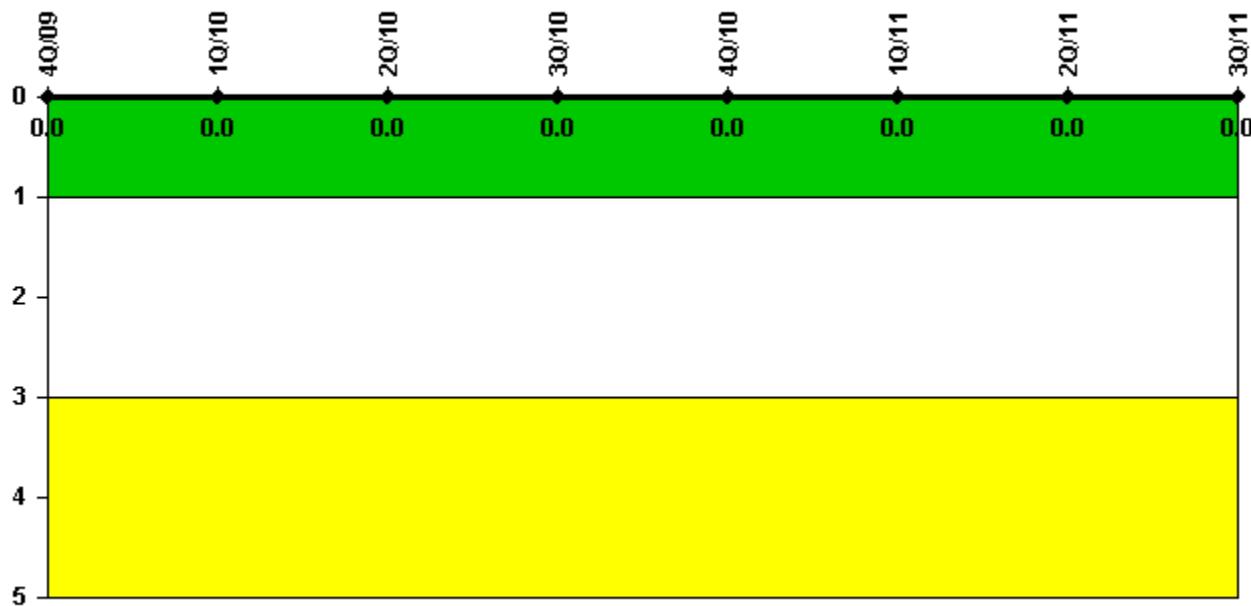
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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

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[Security](#) information not publicly available.

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# Hatch 1

## 4Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



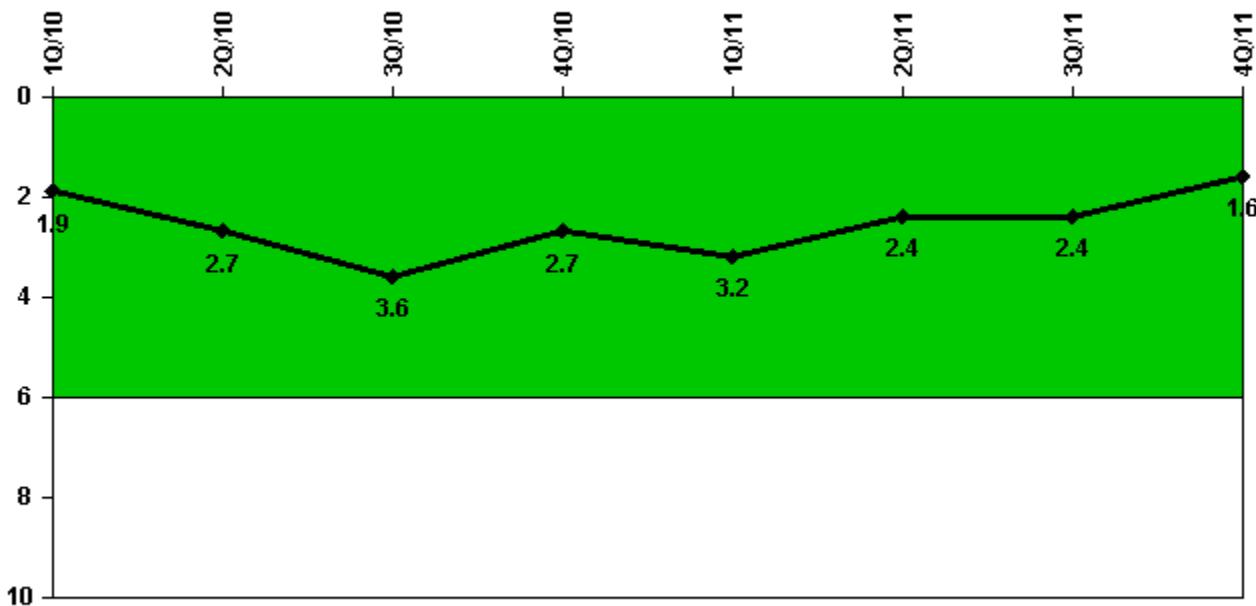
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

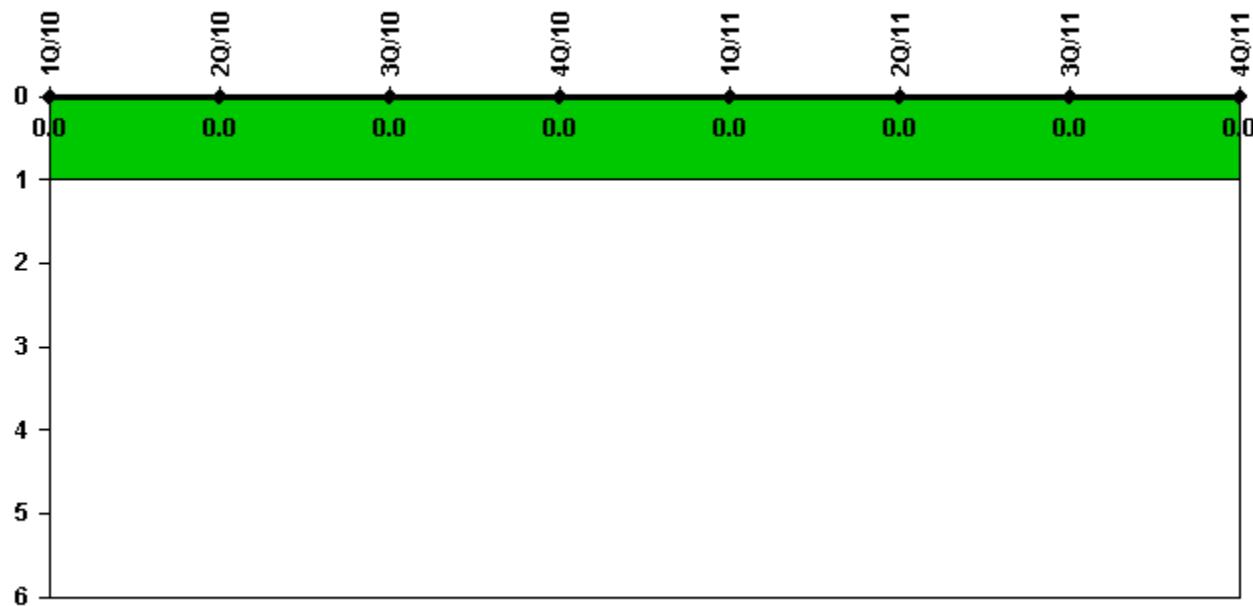
### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	1.0	1.0	1.0	1.0	0	1.0	0
Critical hours	1228.7	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0
Indicator value	<b>1.9</b>	<b>2.7</b>	<b>3.6</b>	<b>2.7</b>	<b>3.2</b>	<b>2.4</b>	<b>2.4</b>	<b>1.6</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

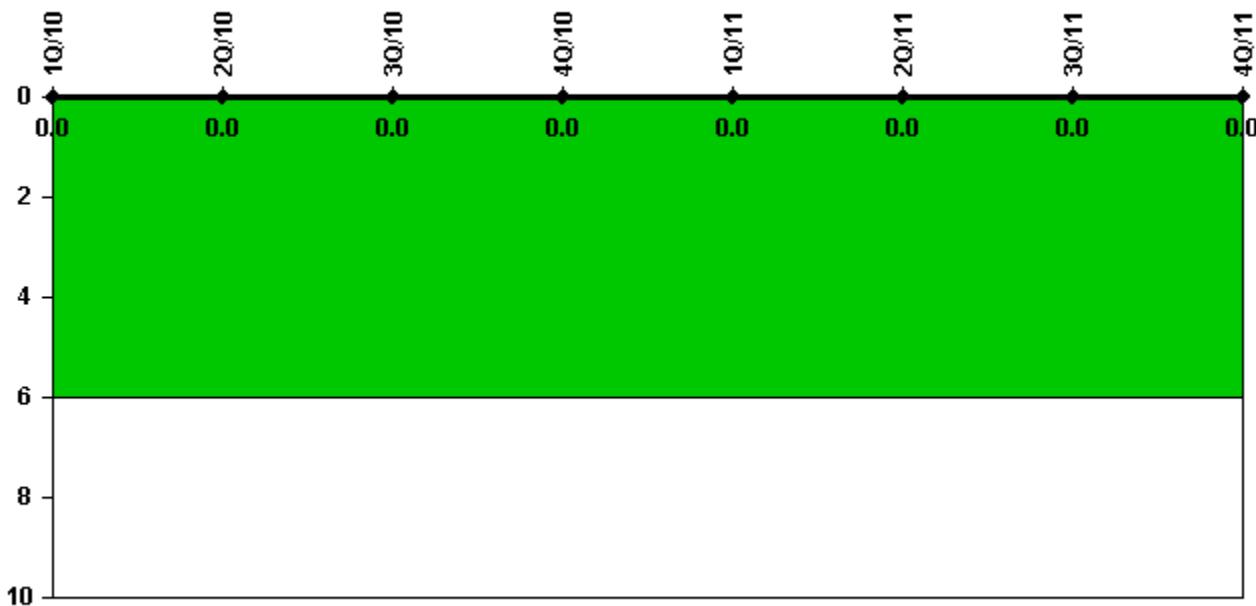
### Notes

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

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

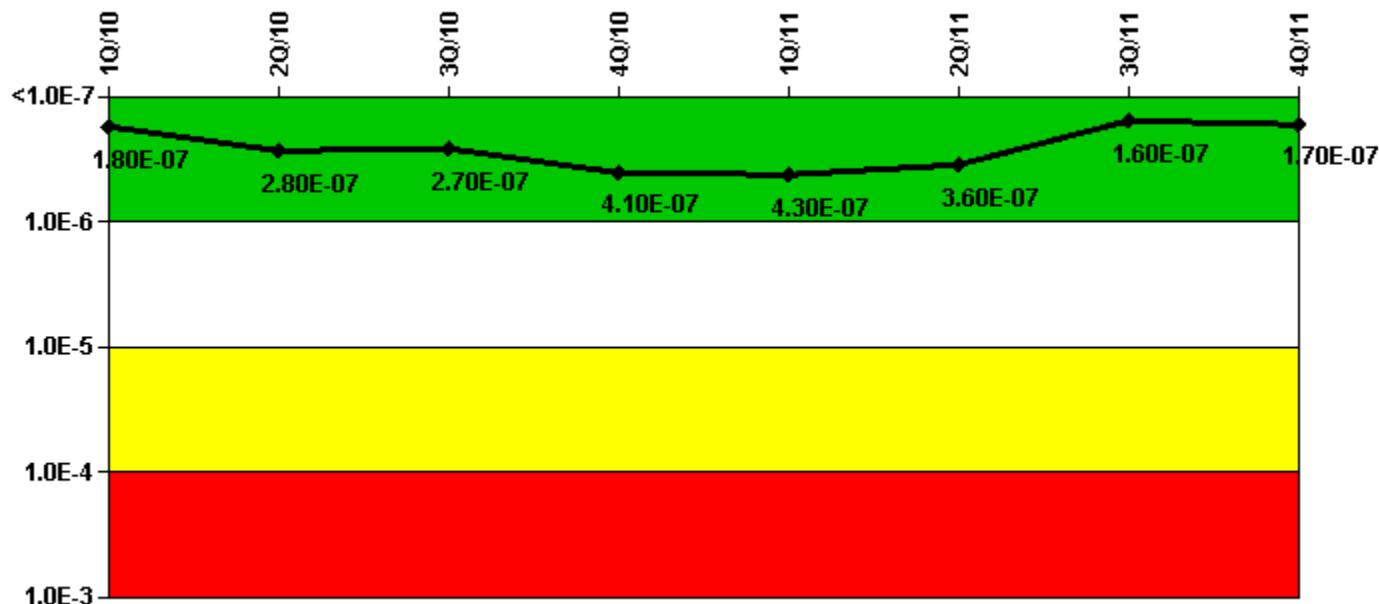
### Notes

Safety System Functional Failures (BWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/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



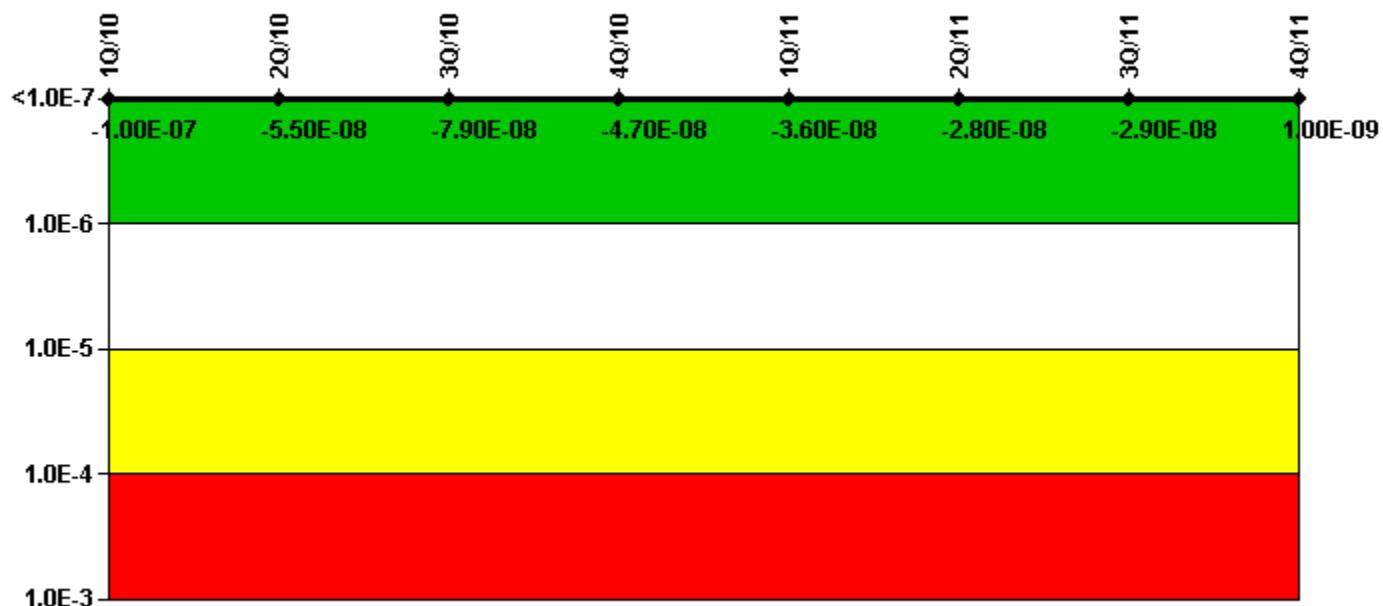
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	5.95E-08	5.57E-08	6.77E-08	1.40E-07	1.43E-07	8.35E-08	8.23E-08	8.15E-08
URI ( $\Delta$ CDF)	1.16E-07	2.25E-07	2.06E-07	2.68E-07	2.86E-07	2.81E-07	7.94E-08	8.61E-08
PLE	NO							
<b>Indicator value</b>	<b>1.80E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>4.10E-07</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



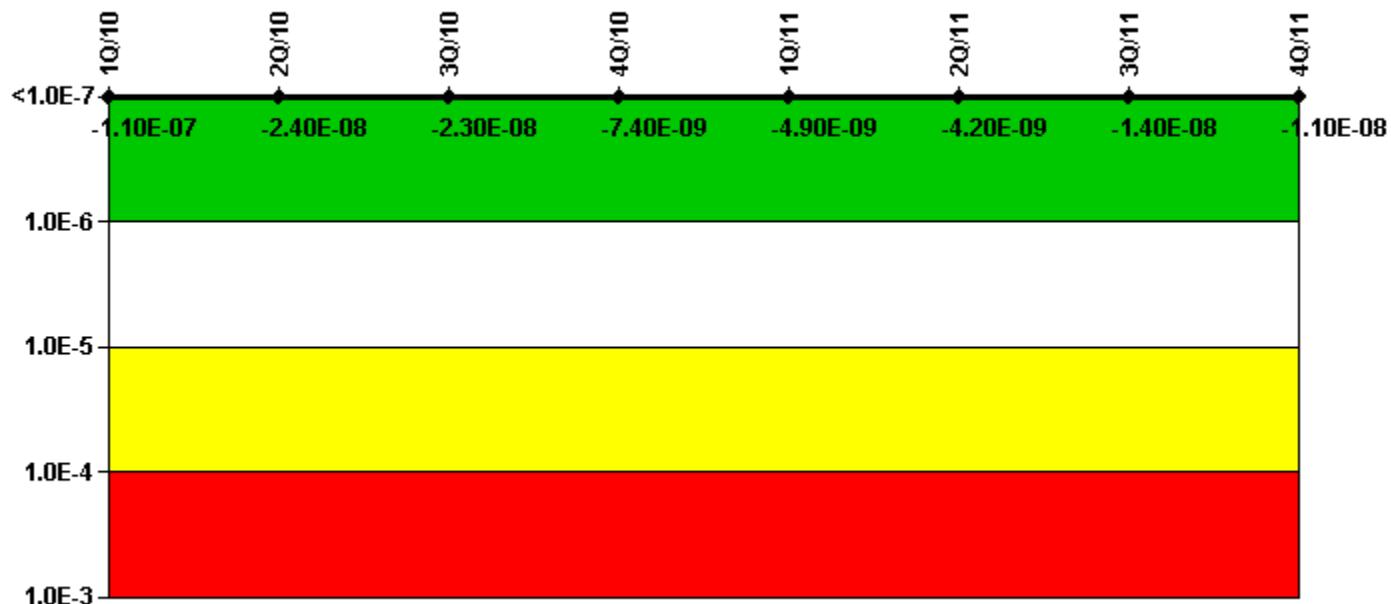
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-3.64E-08	1.55E-08	-1.09E-08	-6.03E-09	3.15E-09	1.09E-08	1.01E-08	3.93E-08
URI ( $\Delta$ CDF)	-6.69E-08	-7.04E-08	-6.85E-08	-4.08E-08	-3.94E-08	-3.93E-08	-3.94E-08	-3.83E-08
PLE	NO	NO						
Indicator value	<b>-1.00E-07</b>	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



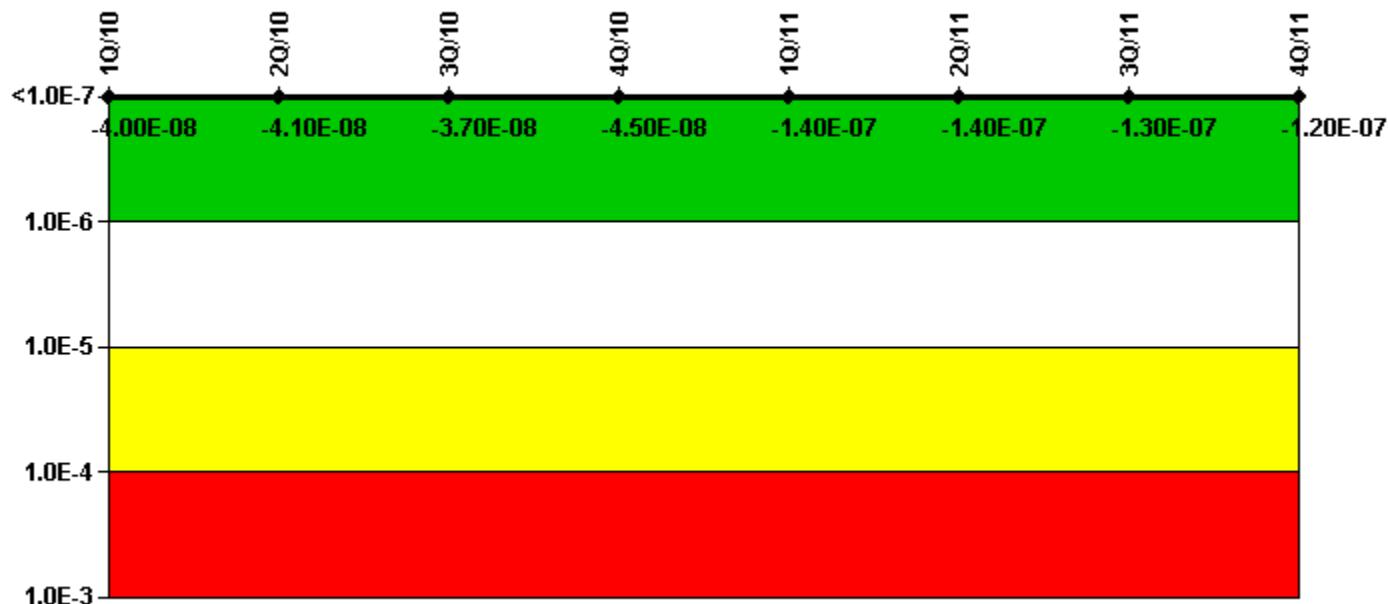
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-4.02E-08	4.60E-08	4.64E-08	8.26E-09	1.01E-08	1.03E-08	3.68E-10	1.90E-09
URI ( $\Delta$ CDF)	-6.69E-08	-6.96E-08	-6.96E-08	-1.56E-08	-1.50E-08	-1.45E-08	-1.44E-08	-1.32E-08
PLE	NO							
Indicator value	<b>-1.10E-07</b>	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



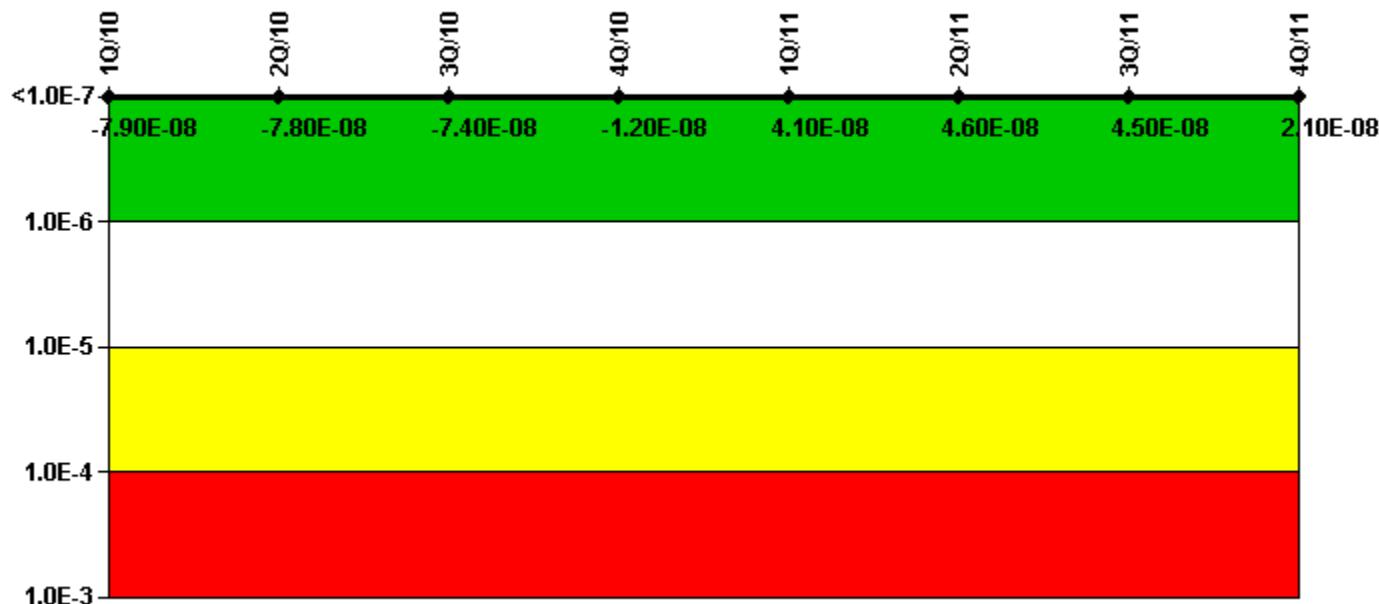
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-1.07E-08	-1.13E-08	-1.13E-08	-1.88E-08	-1.88E-08	-1.88E-08	-9.66E-09	-3.28E-09
URI ( $\Delta$ CDF)	-2.89E-08	-2.92E-08	-2.56E-08	-2.59E-08	-1.18E-07	-1.17E-07	-1.17E-07	-1.18E-07
PLE	NO							
Indicator value	<b>-4.00E-08</b>	<b>-4.10E-08</b>	<b>-3.70E-08</b>	<b>-4.50E-08</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



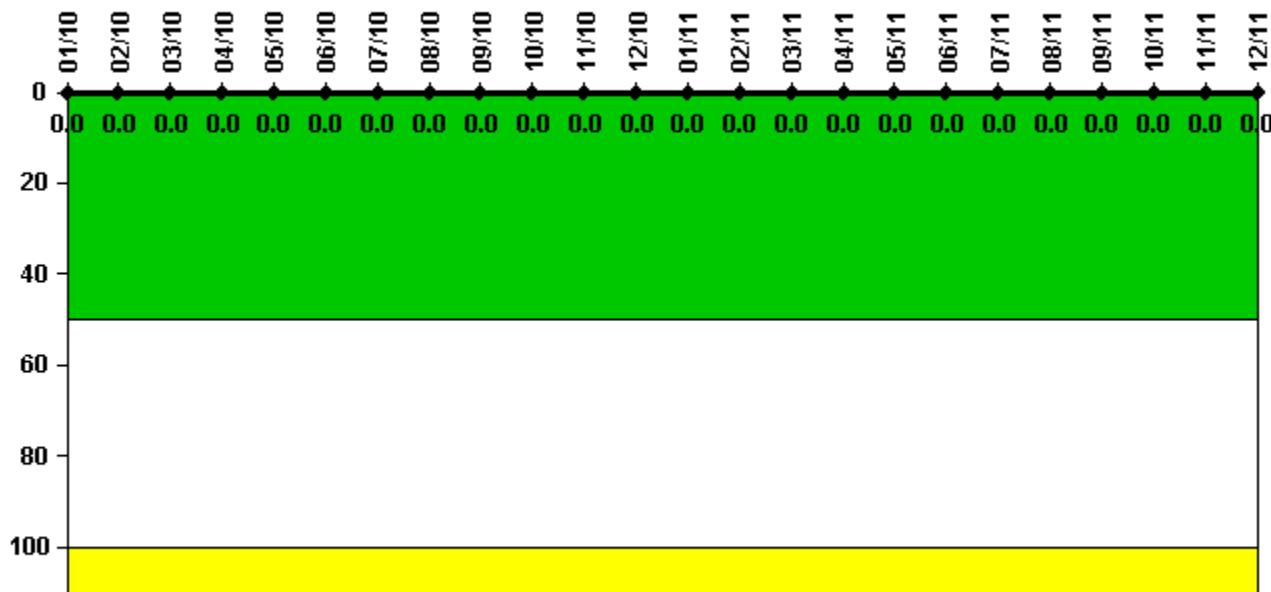
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-8.29E-10	-2.40E-10	2.95E-09	5.69E-08	1.07E-07	1.07E-07	1.07E-07	9.63E-08
URI ( $\Delta$ CDF)	-7.82E-08	-7.73E-08	-7.70E-08	-6.91E-08	-6.64E-08	-6.13E-08	-6.18E-08	-7.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.90E-08</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



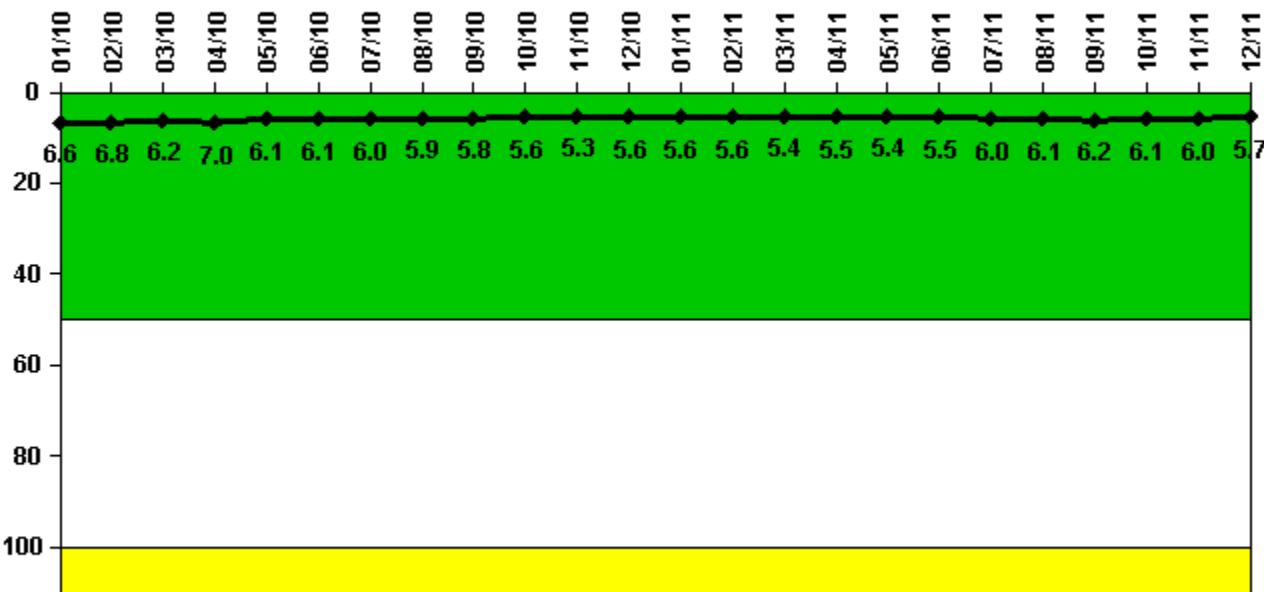
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000009	0.000007	0.000002	0.000003	0.000005	0.000005	0.000006	0.000004	0.000005	0.000003	0.000005	0.000006
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	0
Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



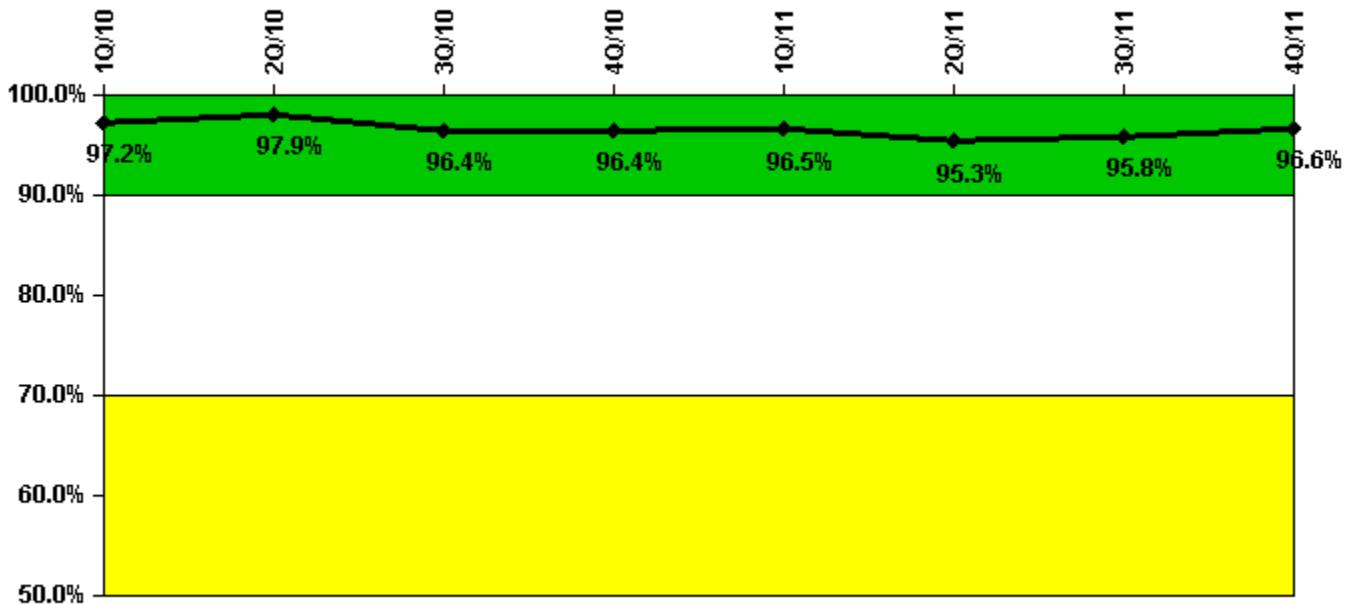
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	1.970	2.040	1.850	2.090	1.820	1.840	1.790	1.780	1.740	1.670	1.600	1.680
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	<b>6.6</b>	<b>6.8</b>	<b>6.2</b>	<b>7.0</b>	<b>6.1</b>	<b>6.1</b>	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>	<b>5.6</b>	<b>5.3</b>	<b>5.6</b>
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	1.690	1.680	1.630	1.640	1.630	1.640	1.810	1.840	1.870	1.840	1.800	1.710
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	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

### Notes

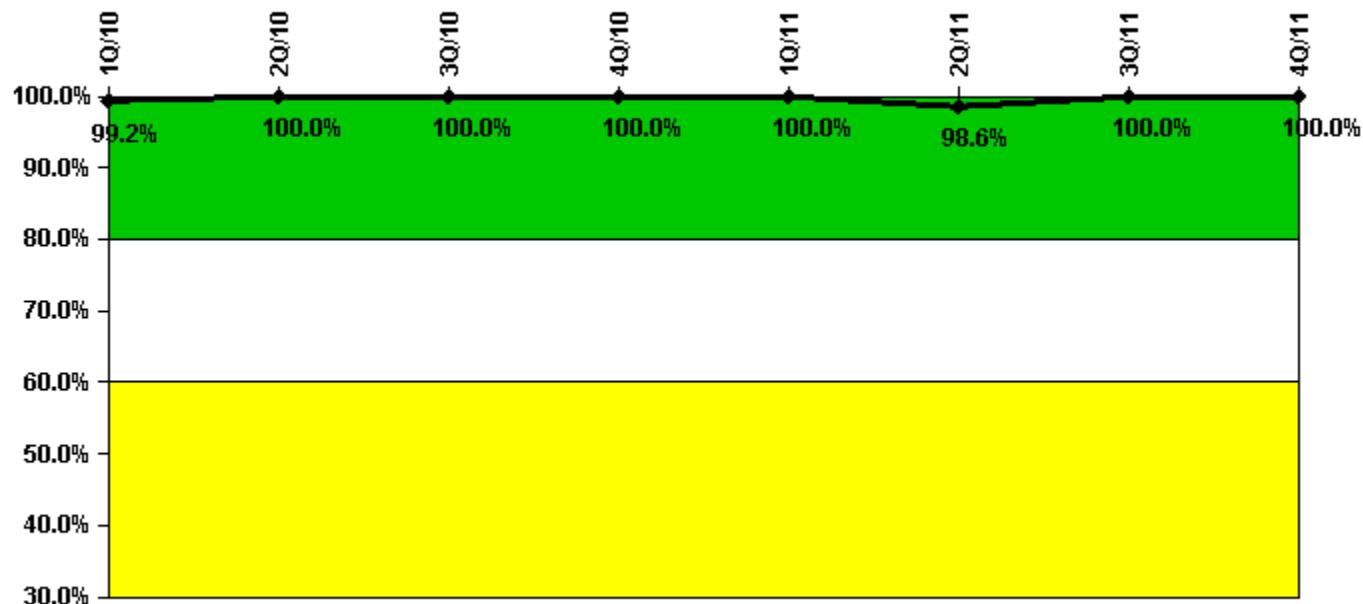
Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	12.0	27.0	38.0	8.0	6.0	30.0	27.0	20.0
Total opportunities	12.0	28.0	40.0	8.0	6.0	32.0	27.0	21.0
Indicator value	97.2%	97.9%	96.4%	96.4%	96.5%	95.3%	95.8%	96.6%

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 Inspection, 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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	129.0	135.0	136.0	138.0	134.0	141.0	145.0	150.0
Total Key personnel	130.0	135.0	136.0	138.0	134.0	143.0	145.0	150.0
Indicator value	<b>99.2%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments:

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

1Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for inidivuals 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.**

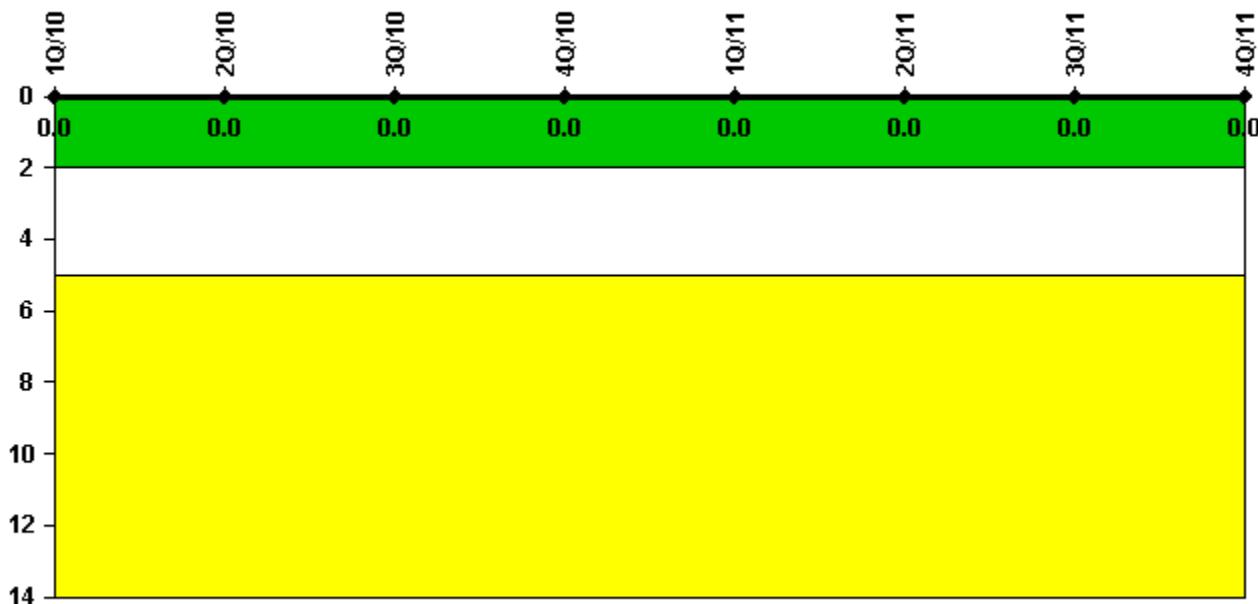
### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/10</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

## Occupational Exposure Control Effectiveness



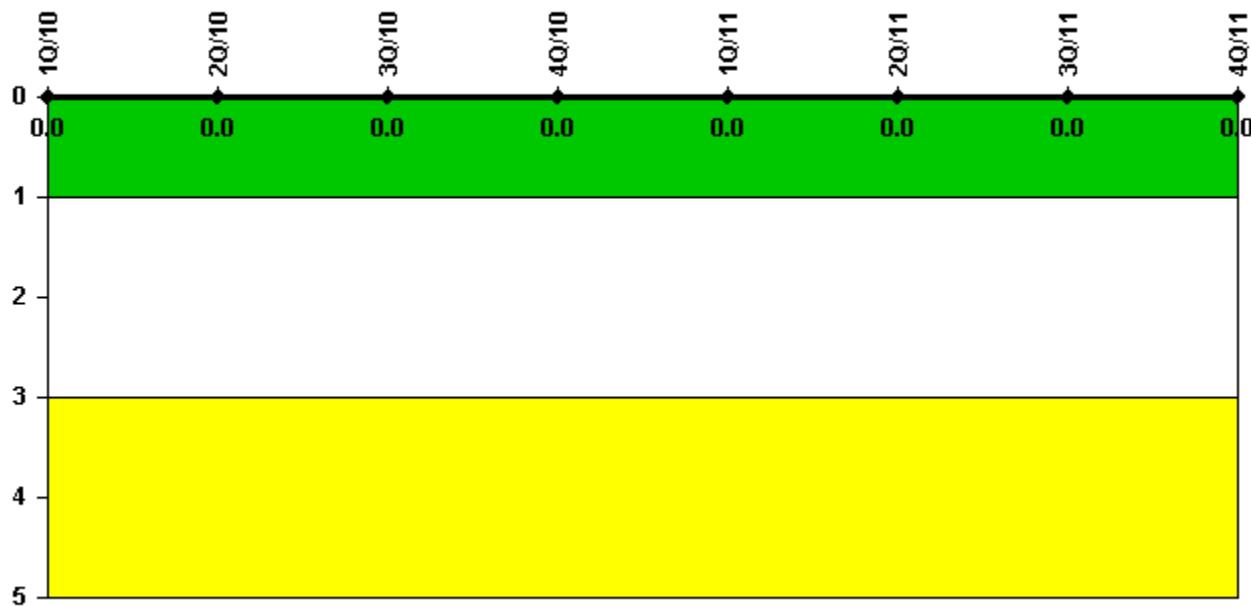
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

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

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Security information not publicly available.

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# Hatch 1

## 1Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



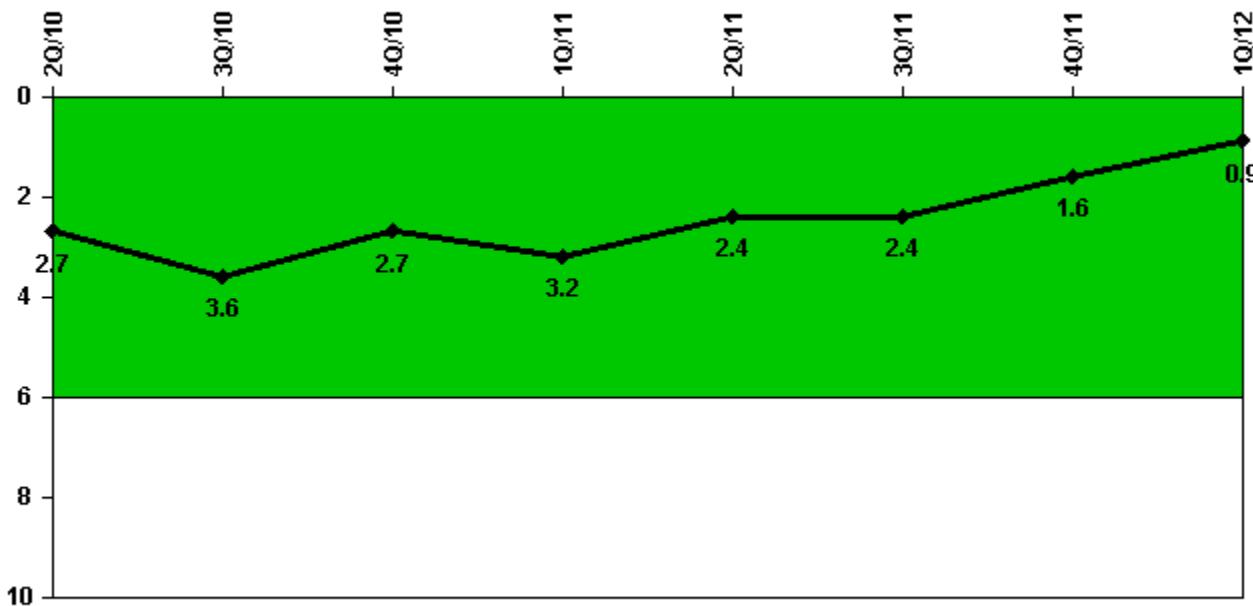
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0
Critical hours	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

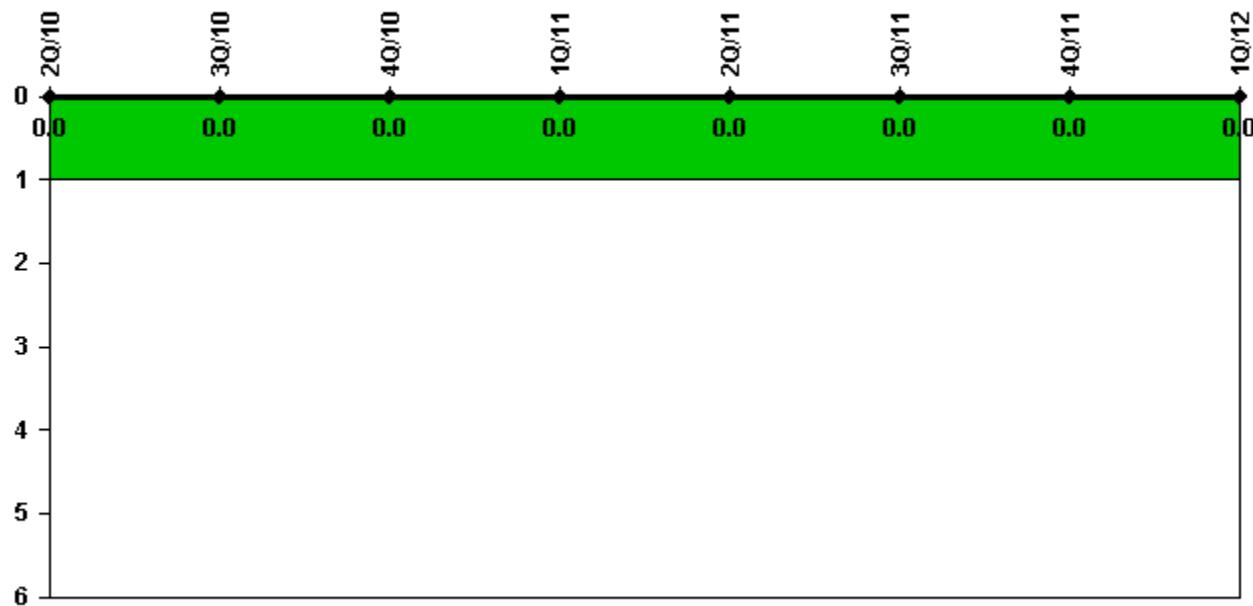
### Notes

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	1.0	1.0	1.0	1.0	0	1.0	0	0
Critical hours	2184.0	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3
Indicator value	<b>2.7</b>	<b>3.6</b>	<b>2.7</b>	<b>3.2</b>	<b>2.4</b>	<b>2.4</b>	<b>1.6</b>	<b>0.9</b>

Licensee Comments: none

---

## Unplanned Scrams with Complications



Thresholds: White > 1.0

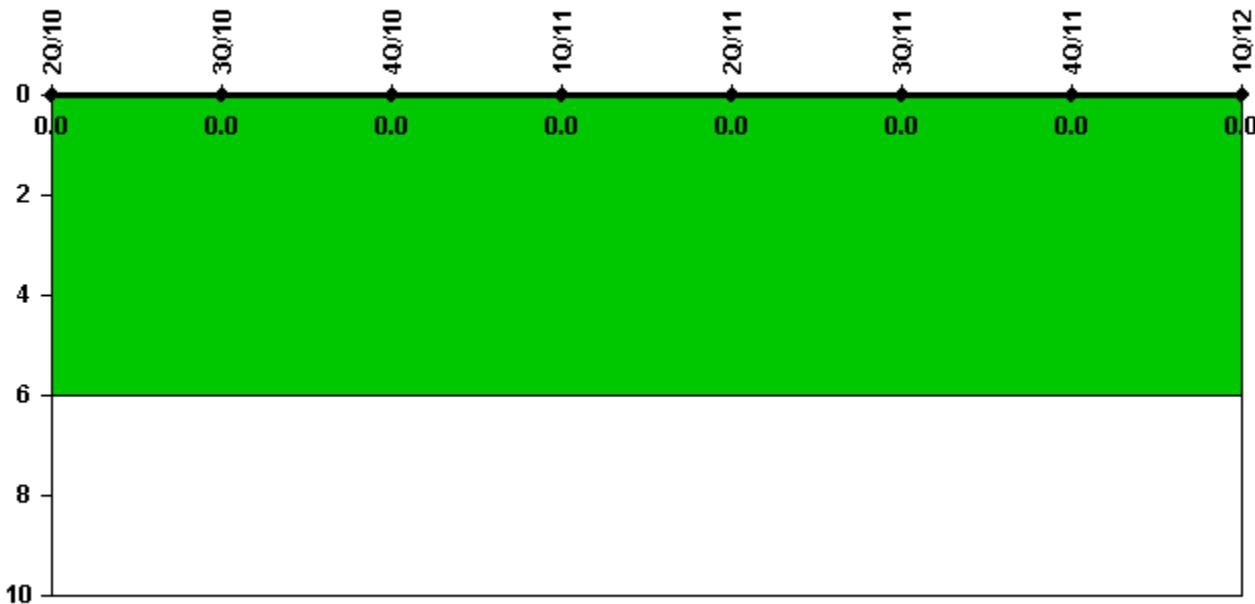
### Notes

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

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

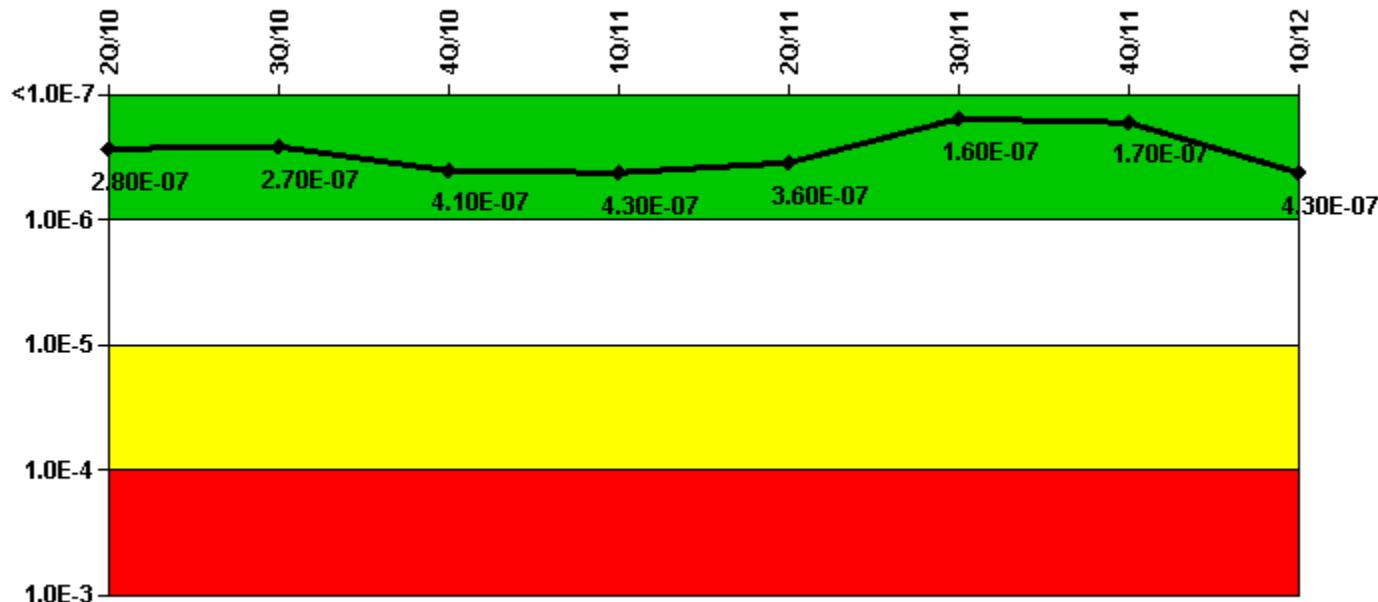
### Notes

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	0	0
Indicator value	0	0	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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	5.57E-08	6.77E-08	1.40E-07	1.43E-07	8.35E-08	8.23E-08	8.15E-08	1.43E-07
URI ( $\Delta$ CDF)	2.25E-07	2.06E-07	2.68E-07	2.86E-07	2.81E-07	7.94E-08	8.61E-08	2.85E-07
PLE	NO							
<b>Indicator value</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>4.10E-07</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>

## Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

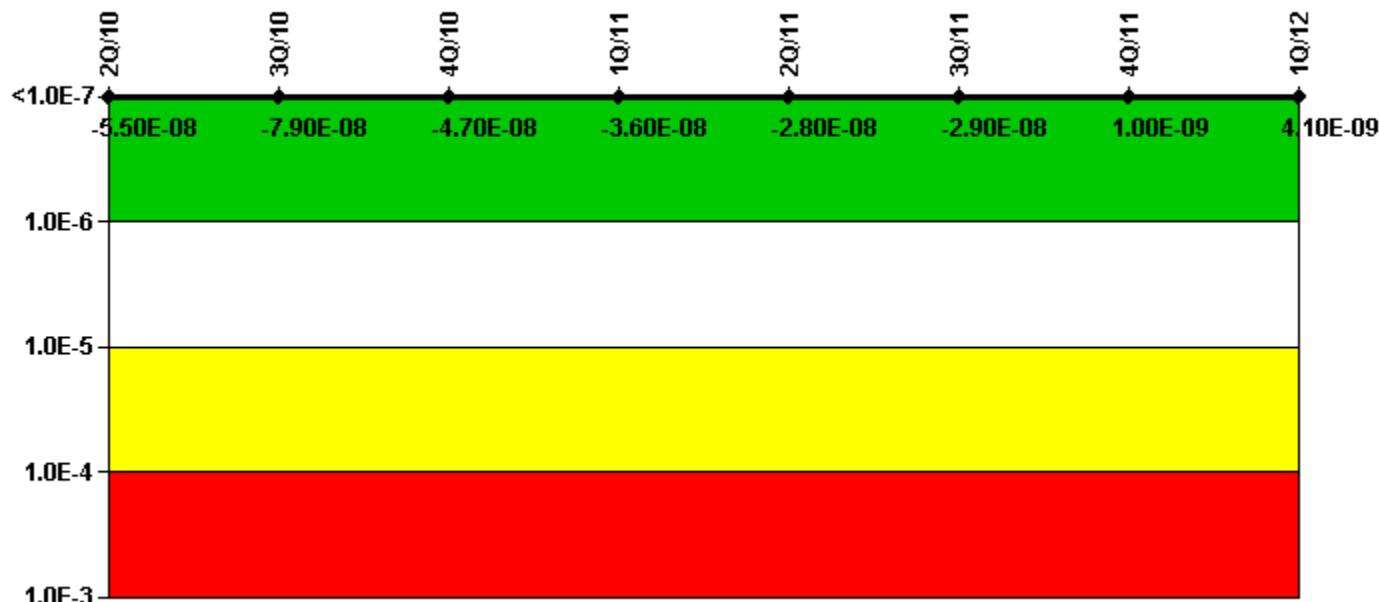
1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

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

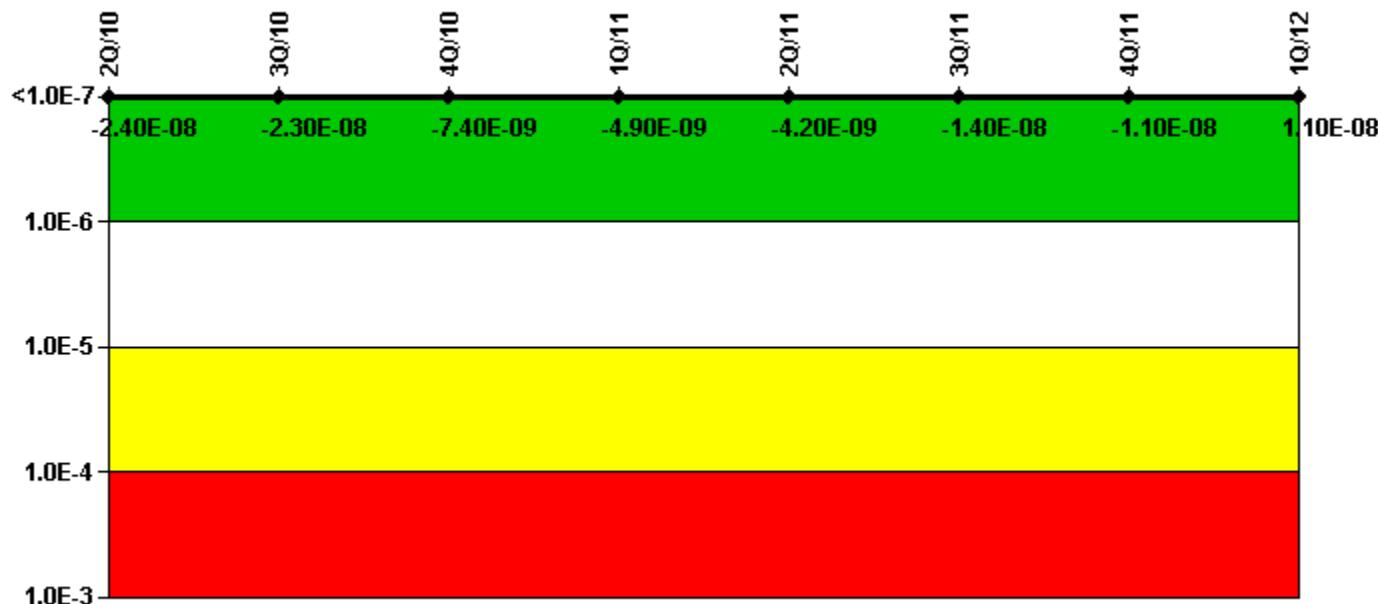
Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	1.55E-08	-1.09E-08	-6.03E-09	3.15E-09	1.09E-08	1.01E-08	3.93E-08	4.38E-08
URI ( $\Delta$ CDF)	-7.04E-08	-6.85E-08	-4.08E-08	-3.94E-08	-3.93E-08	-3.94E-08	-3.83E-08	-3.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-5.50E-08</b>	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>

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)	4.60E-08	4.64E-08	8.26E-09	1.01E-08	1.03E-08	3.68E-10	1.90E-09	1.09E-08
URI ( $\Delta$ CDF)	-6.96E-08	-6.96E-08	-1.56E-08	-1.50E-08	-1.45E-08	-1.44E-08	-1.32E-08	4.01E-11
PLE	NO	NO						
Indicator value	<b>-2.40E-08</b>	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>

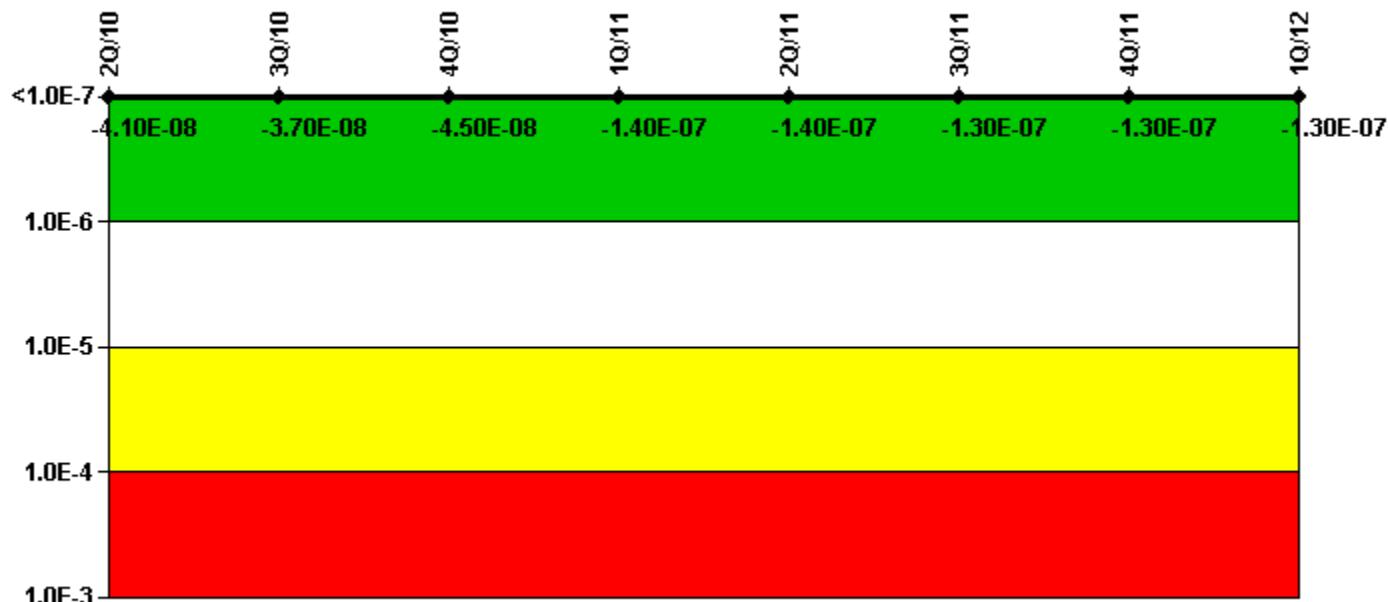
## Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

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)	-1.13E-08	-1.13E-08	-1.88E-08	-1.88E-08	-1.88E-08	-9.66E-09	-9.74E-09	-8.28E-09
URI ( $\Delta$ CDF)	-2.92E-08	-2.56E-08	-2.59E-08	-1.18E-07	-1.17E-07	-1.17E-07	-1.18E-07	-1.26E-07
PLE	NO							
Indicator value	<b>-4.10E-08</b>	<b>-3.70E-08</b>	<b>-4.50E-08</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>

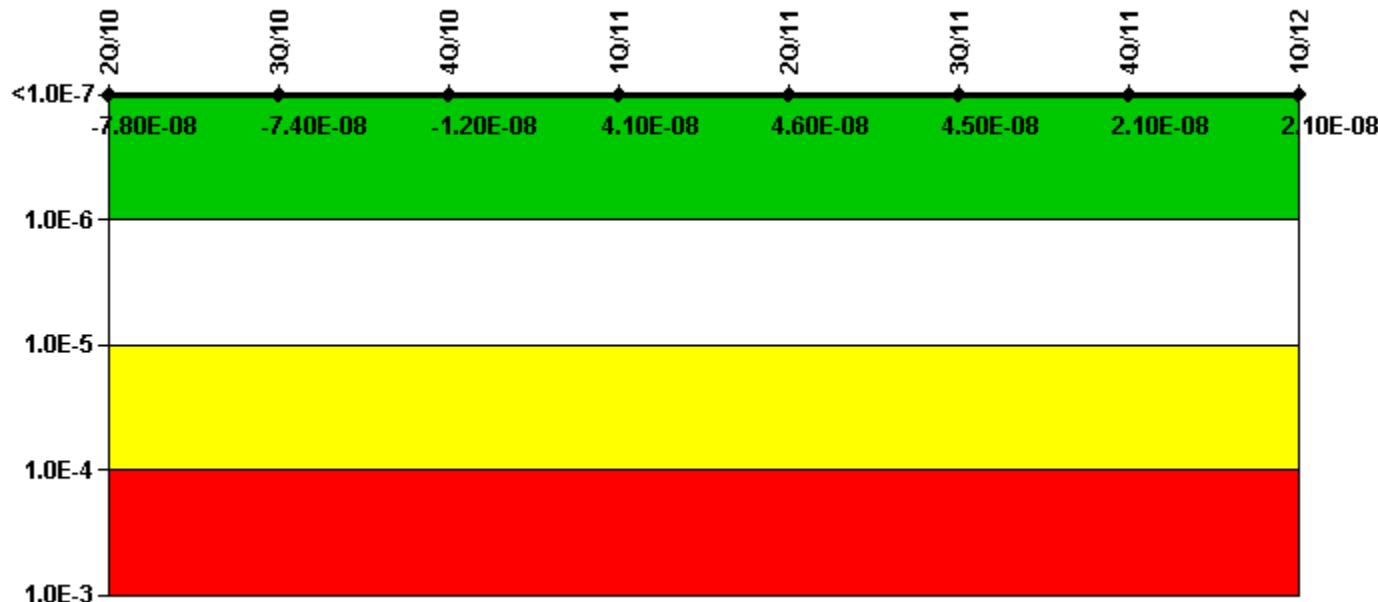
## Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

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 ( $\Delta$ CDF)	-2.40E-10	2.95E-09	5.69E-08	1.07E-07	1.07E-07	1.07E-07	9.63E-08	1.02E-07
URI ( $\Delta$ CDF)	-7.73E-08	-7.70E-08	-6.91E-08	-6.64E-08	-6.13E-08	-6.18E-08	-7.56E-08	-8.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.80E-08</b>	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>

### 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.

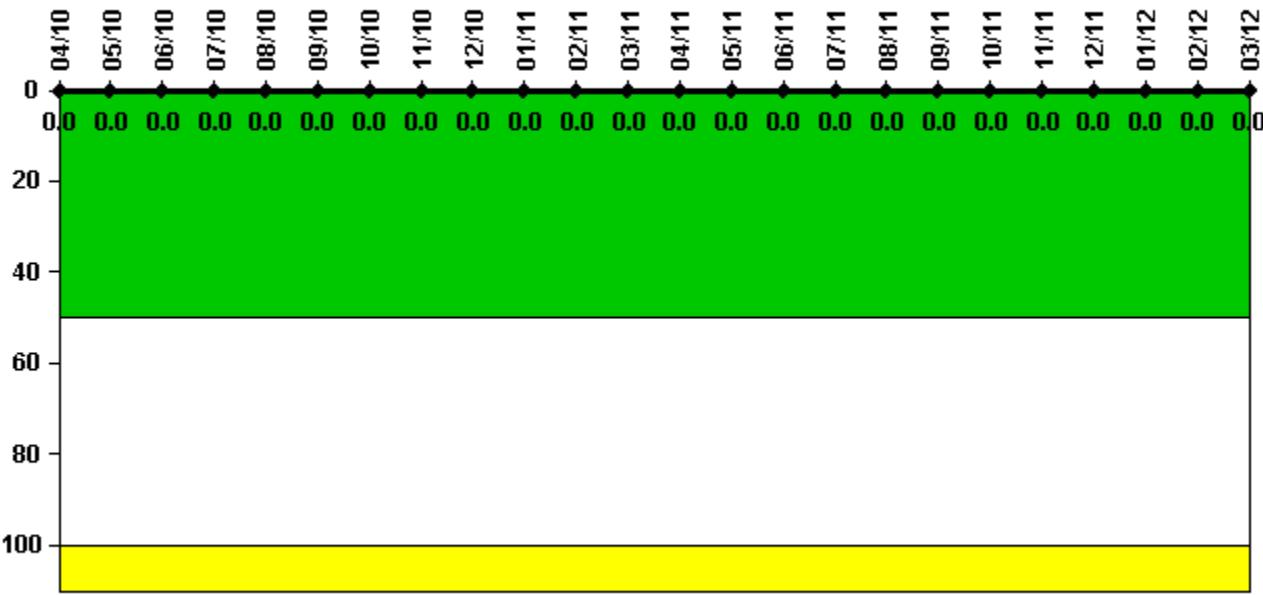
4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Changed PRA Parameter(s). One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529) Update for change file: According to December 2008 Unit 1 Cooling Water Derivation Report, the FVUAP values for U1 RHRSSW divisions 1 and 2 matched the corresponding values in Version C of MSPI Basis Document. Version D of MSPI Basis Document was signed on 12/31/2008. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 1 is 7.22e-02, while Version D of the MSPI Basis Document shows that it should be 3.90e-02. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 2 is 6.83e-03, while Version D of the MSPI Basis Document shows that it should be 7.22e-02. Values in Version E of the MSPI Basis Document went into effect October 2010. Thus, the FVUAP values for U1 RHRSSW Division 1 and Division 2 were overridden from January 2009 through September 2010 to match the corresponding values in Version D in the Basis Document. This change did not affect the ???color??? of the indicator.

3Q/10: One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529)

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

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

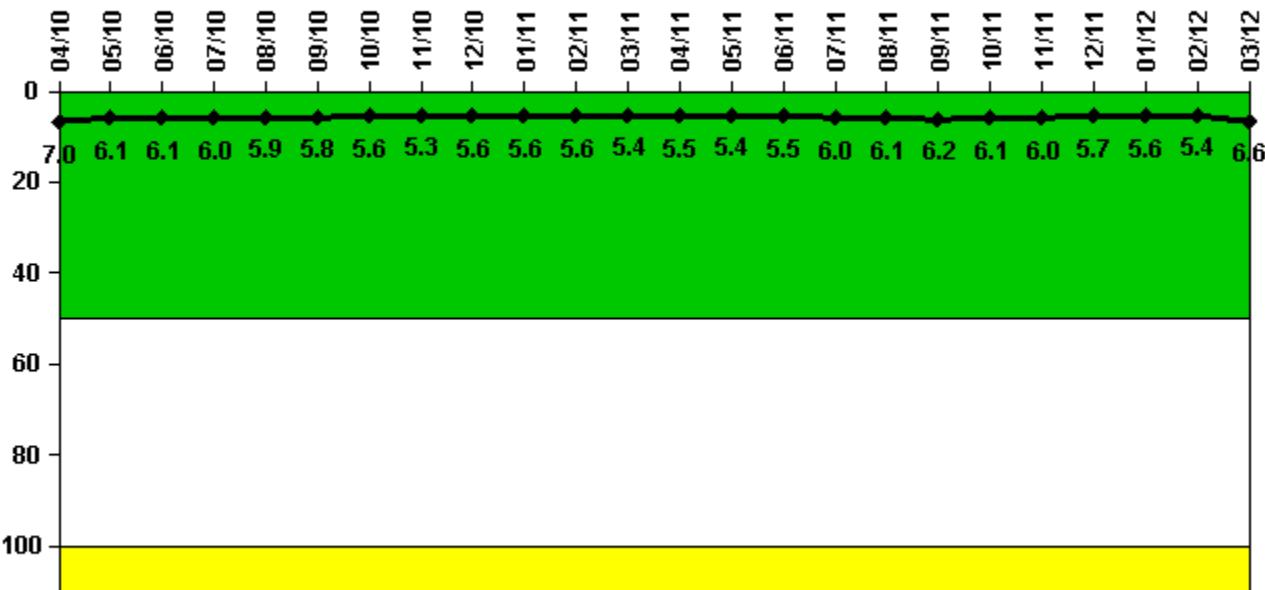
Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000003	0.000005	0.000005	0.000006	0.000004	0.000005	0.000003	0.000005	0.000006	0.000009	0.000005	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

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	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



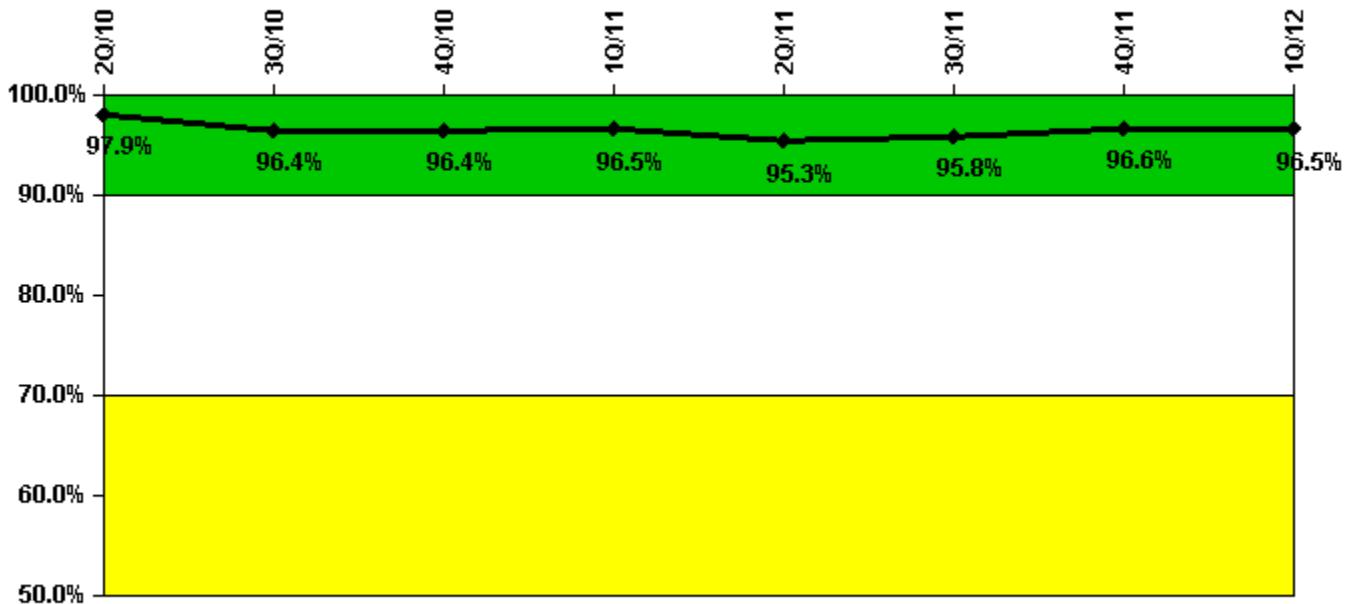
Thresholds: White > 50.0 Yellow > 100.0

### 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	2.090	1.820	1.840	1.790	1.780	1.740	1.670	1.600	1.680	1.690	1.680	1.630
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	7.0	6.1	6.1	6.0	5.9	5.8	5.6	5.3	5.6	5.6	5.6	5.4
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	1.640	1.630	1.640	1.810	1.840	1.870	1.840	1.800	1.710	1.670	1.610	1.980
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	5.5	5.4	5.5	6.0	6.1	6.2	6.1	6.0	5.7	5.6	5.4	6.6

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

### Notes

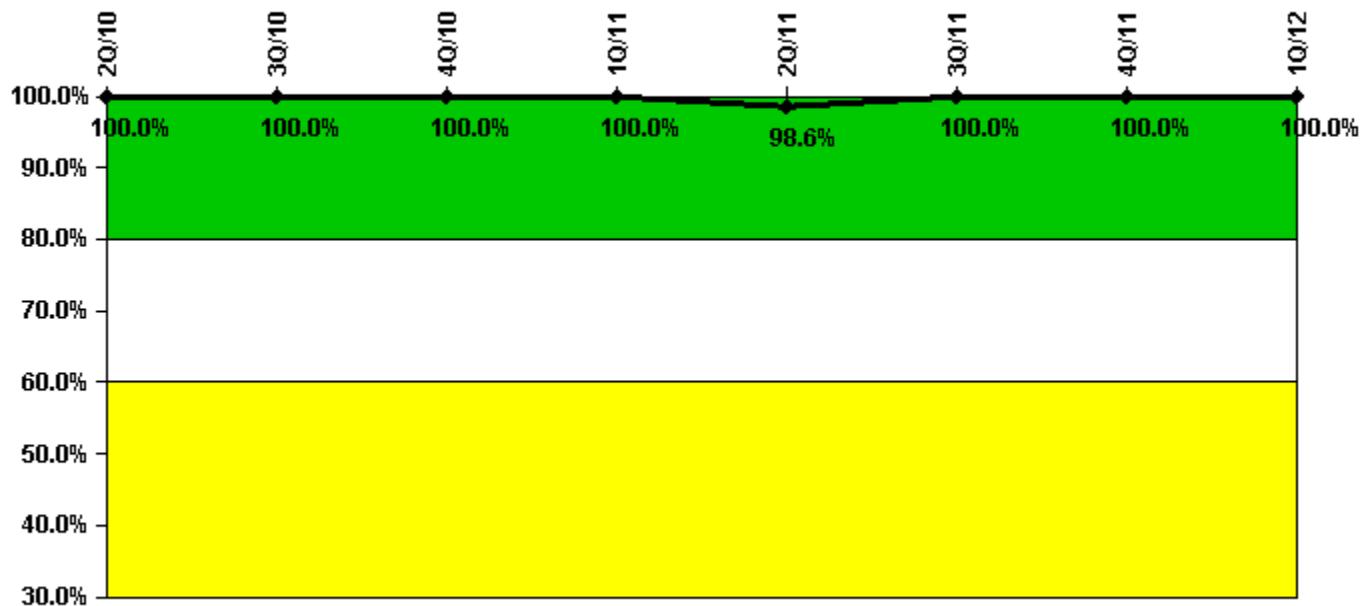
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	27.0	38.0	8.0	6.0	30.0	27.0	20.0	10.0
Total opportunities	28.0	40.0	8.0	6.0	32.0	27.0	21.0	10.0
Indicator value	97.9%	96.4%	96.4%	96.5%	95.3%	95.8%	96.6%	96.5%

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 Inspection, 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	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments:

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

1Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for inidivuals 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**

<b>Alert &amp; Notification System</b>	<b>2Q/10</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

Licensee Comments:

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

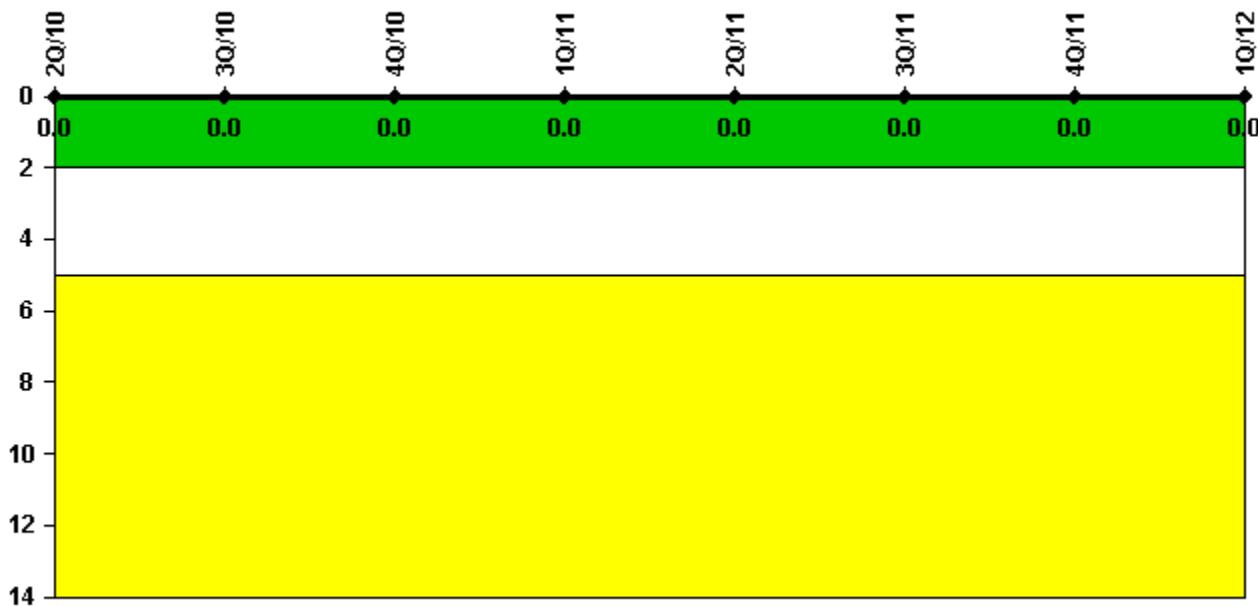
1Q/11: Plant Hatch does not use sirens as an emergency notification system.

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

## Occupational Exposure Control Effectiveness



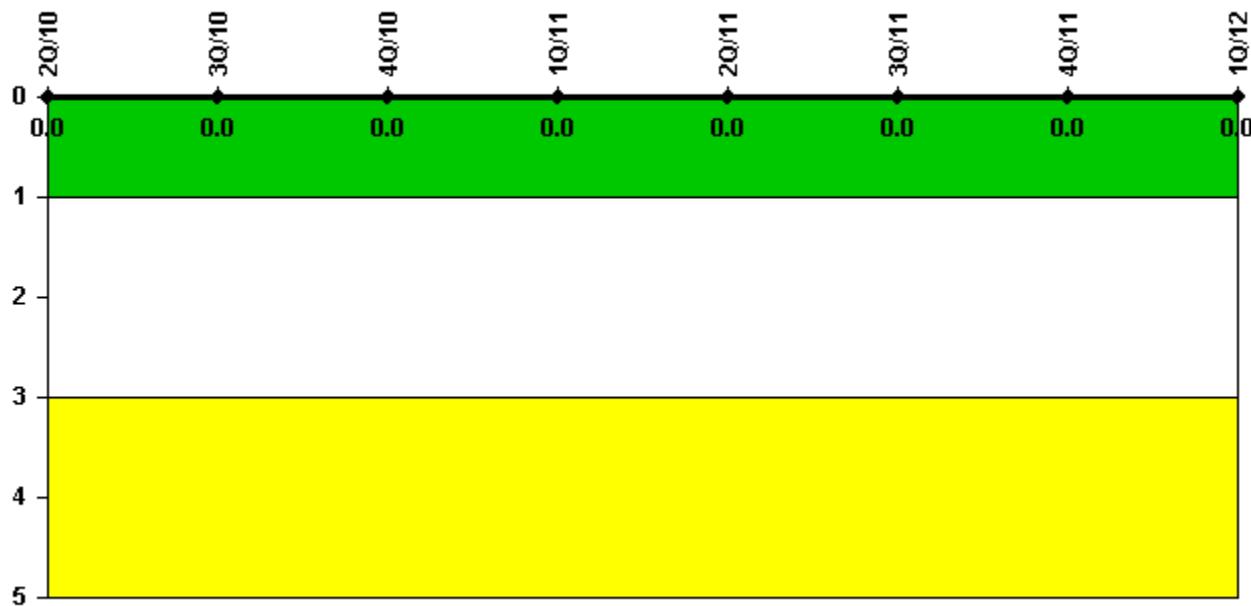
Thresholds: White > 2.0 Yellow > 5.0

### 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

## 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

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[Security](#) information not publicly available.

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# Hatch 1

## 2Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

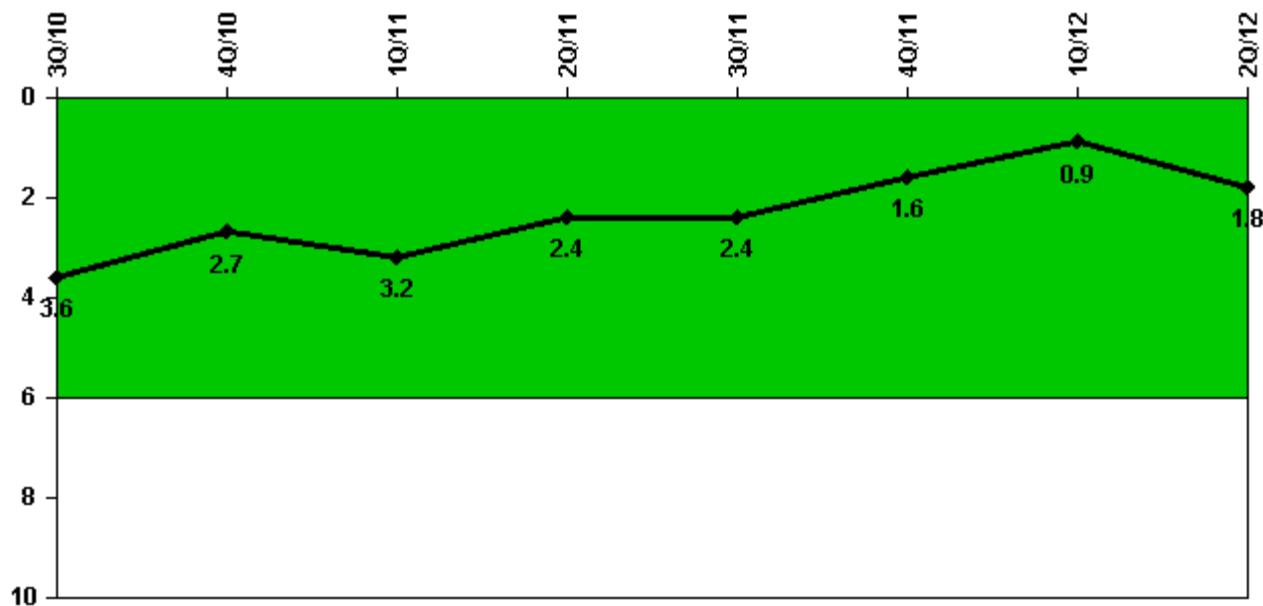
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3	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



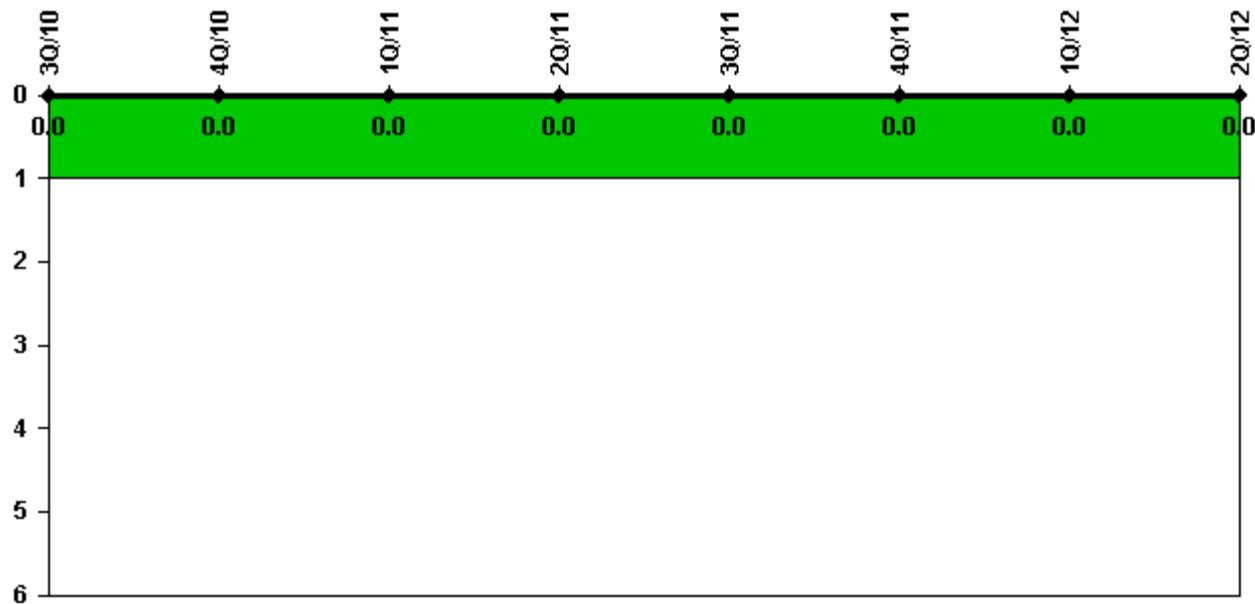
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	1.0	1.0	1.0	0	1.0	0	0	1.0
Critical hours	2208.0	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3	2184.0
Indicator value	3.6	2.7	3.2	2.4	2.4	1.6	0.9	1.8

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

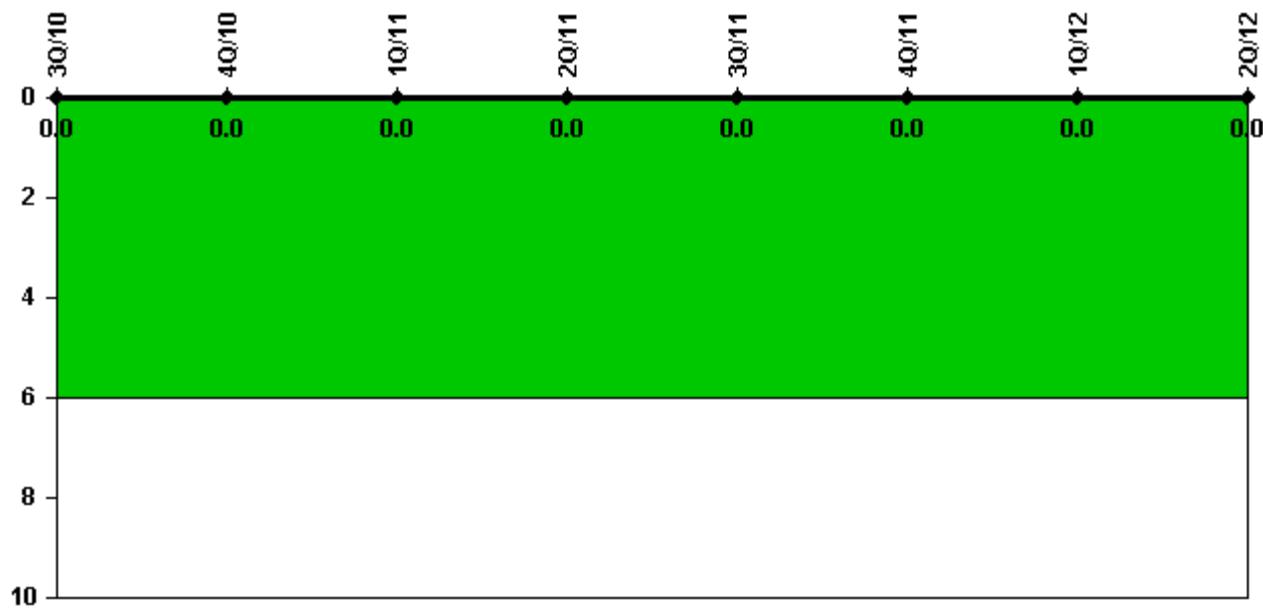
### Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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## Safety System Functional Failures (BWR)



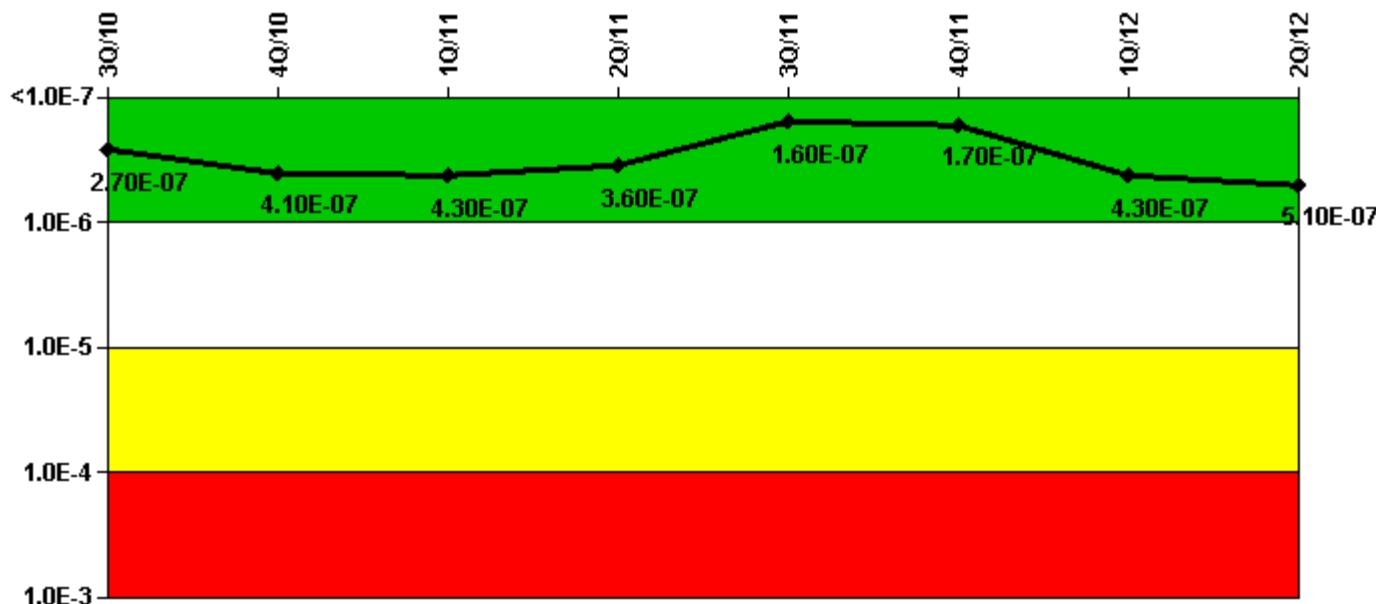
Thresholds: White > 6.0

### Notes

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

## 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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	6.77E-08	1.40E-07	1.43E-07	8.35E-08	8.23E-08	8.15E-08	1.43E-07	2.28E-07
URI (ΔCDF)	2.06E-07	2.68E-07	2.86E-07	2.81E-07	7.94E-08	8.61E-08	2.85E-07	2.86E-07
PLE	NO							
Indicator value	<b>2.70E-07</b>	<b>4.10E-07</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>

Licensee Comments:

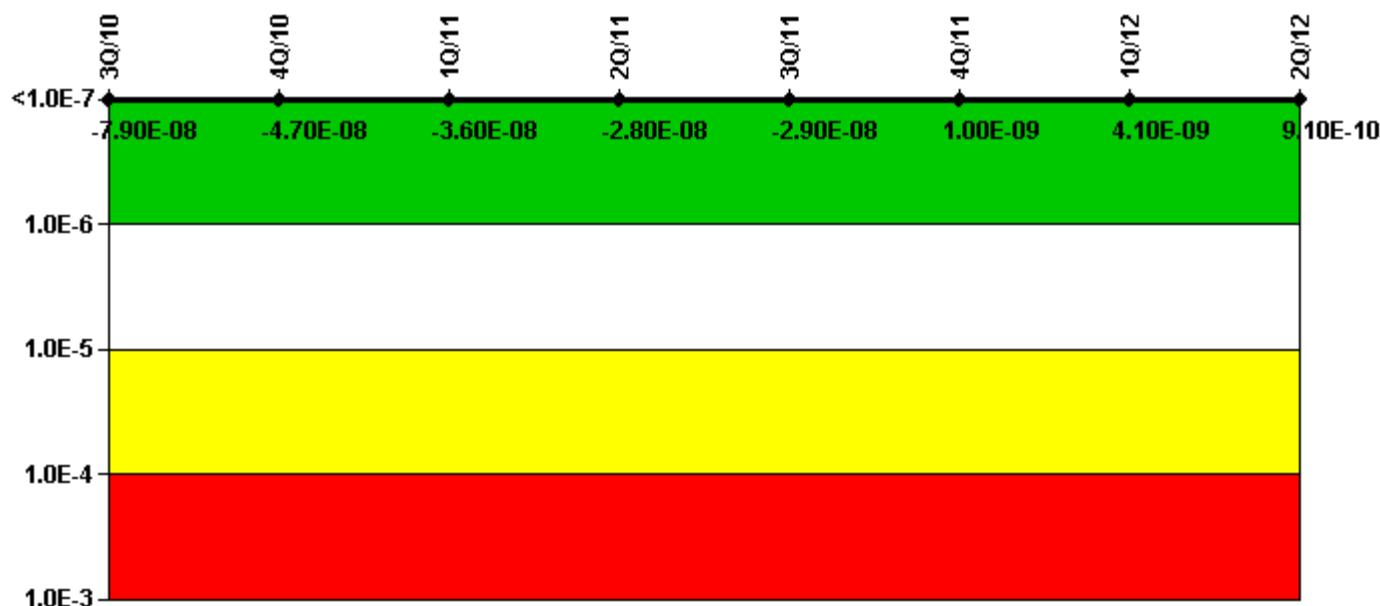
1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

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.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

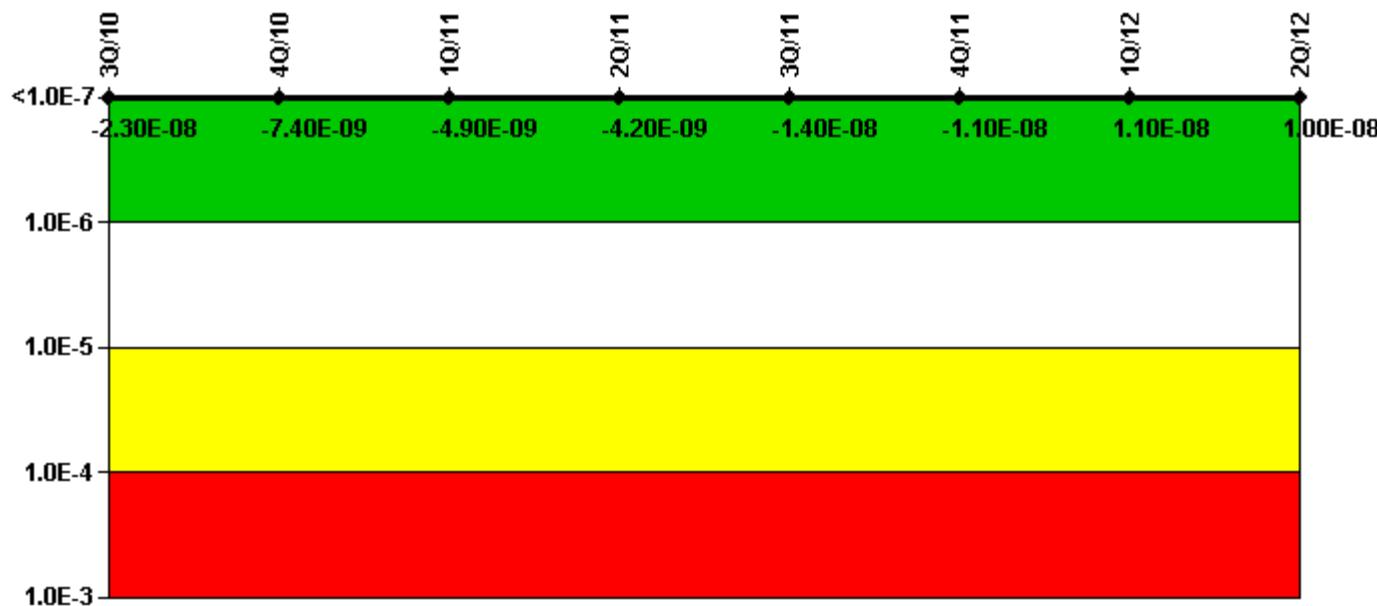
Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.09E-08	-6.03E-09	3.15E-09	1.09E-08	1.01E-08	3.93E-08	4.38E-08	4.17E-08
URI (ΔCDF)	-6.85E-08	-4.08E-08	-3.94E-08	-3.93E-08	-3.94E-08	-3.83E-08	-3.97E-08	-4.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.90E-08</b>	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>

### 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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	4.64E-08	8.26E-09	1.01E-08	1.03E-08	3.68E-10	1.90E-09	1.09E-08	1.04E-08
URI (ΔCDF)	-6.96E-08	-1.56E-08	-1.50E-08	-1.45E-08	-1.44E-08	-1.32E-08	4.01E-11	4.00E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.30E-08</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>

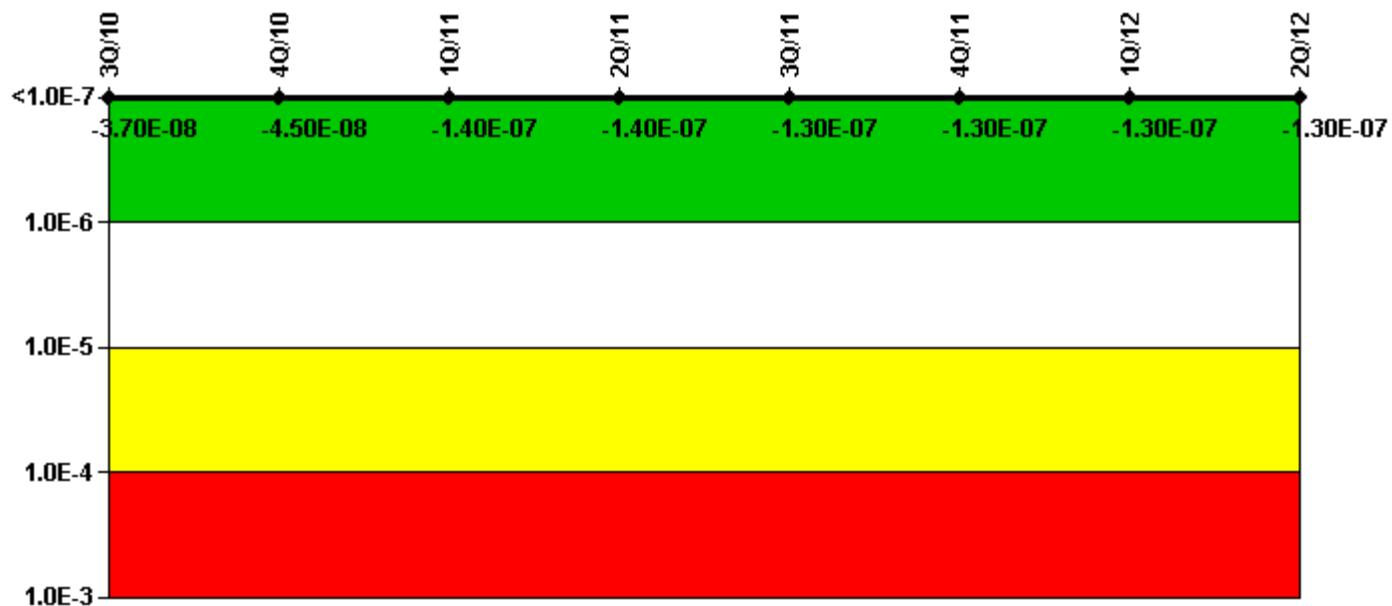
### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.13E-08	-1.88E-08	-1.88E-08	-1.88E-08	-9.66E-09	-9.74E-09	-8.28E-09	-8.99E-09
URI (ΔCDF)	-2.56E-08	-2.59E-08	-1.18E-07	-1.17E-07	-1.17E-07	-1.18E-07	-1.26E-07	-1.20E-07
PLE	NO							
Indicator value	<b>-3.70E-08</b>	<b>-4.50E-08</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>

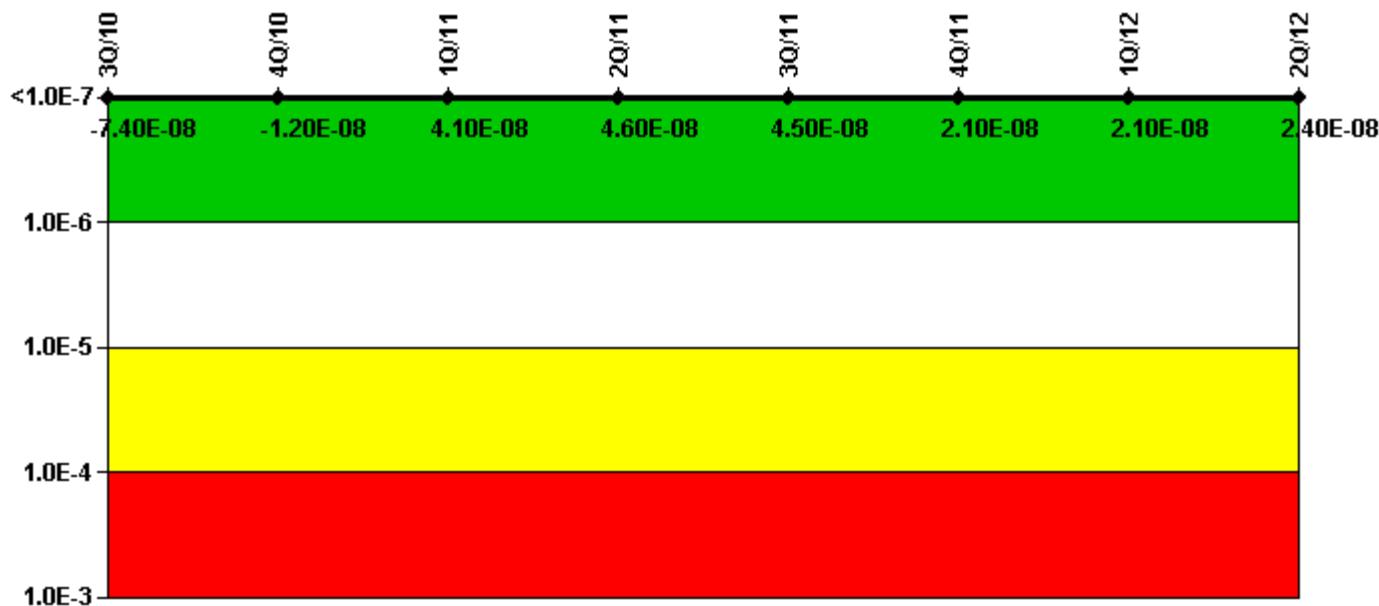
### Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI ( $\Delta$ CDF)	2.95E-09	5.69E-08	1.07E-07	1.07E-07	1.07E-07	9.63E-08	1.02E-07	1.02E-07
URI ( $\Delta$ CDF)	-7.70E-08	-6.91E-08	-6.64E-08	-6.13E-08	-6.18E-08	-7.56E-08	-8.14E-08	-7.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.40E-08</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>

Licensee Comments:

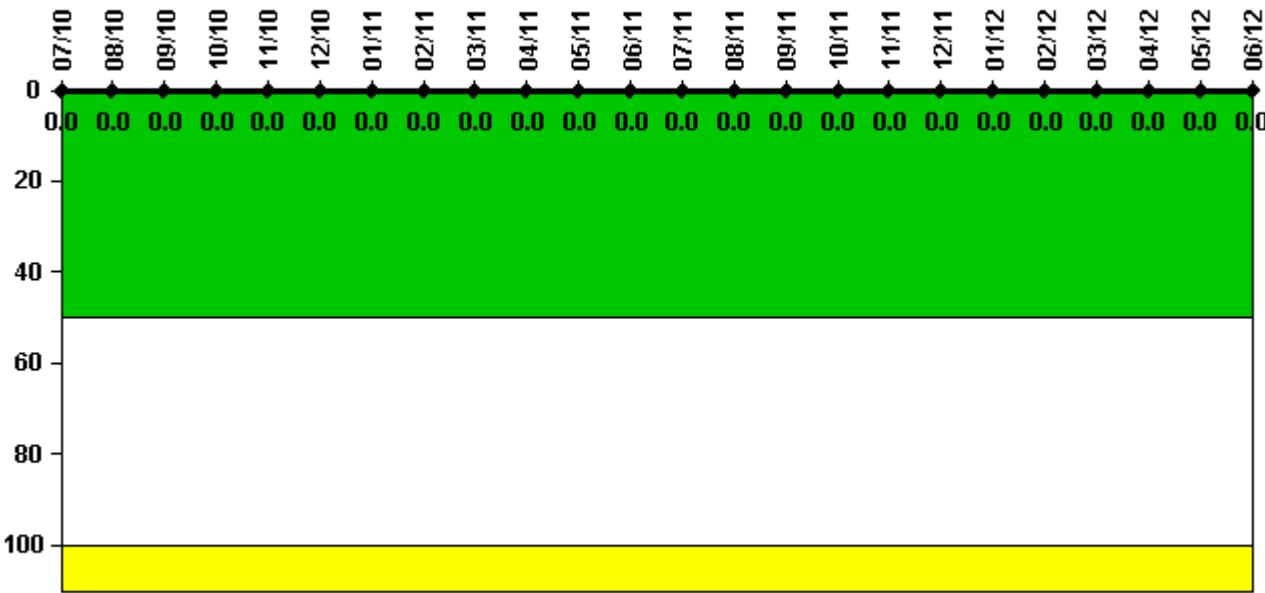
1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

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). One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529) Update for change file: According to December 2008 Unit 1 Cooling Water Derivation Report, the FVUAP values for U1 RHRSSW divisions 1 and 2 matched the corresponding values in Version C of MSPI Basis Document. Version D of MSPI Basis Document was signed on 12/31/2008. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 1 is 7.22e-02, while Version D of the MSPI Basis Document shows that it should be 3.90e-02. The January 2009 Unit 1 Cooling Water Derivation Report shows that the FVUAP value for U1 RHRSSW division 2 is 6.83e-03, while Version D of the MSPI Basis Document shows that it should be 7.22e-02. Values in Version E of the MSPI Basis Document went into effect October 2010. Thus, the FVUAP values for U1 RHRSSW Division 1 and Division 2 were overridden from January 2009 through September 2010 to match the corresponding values in Version D in the Basis Document. This change did not affect the ???color??? of the indicator.

3Q/10: One event under evaluation for 1P41C001A (reference CR2010112632 and AI2010204529)

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.000006	0.000004	0.000005	0.000003	0.000005	0.000006	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008
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	0
Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



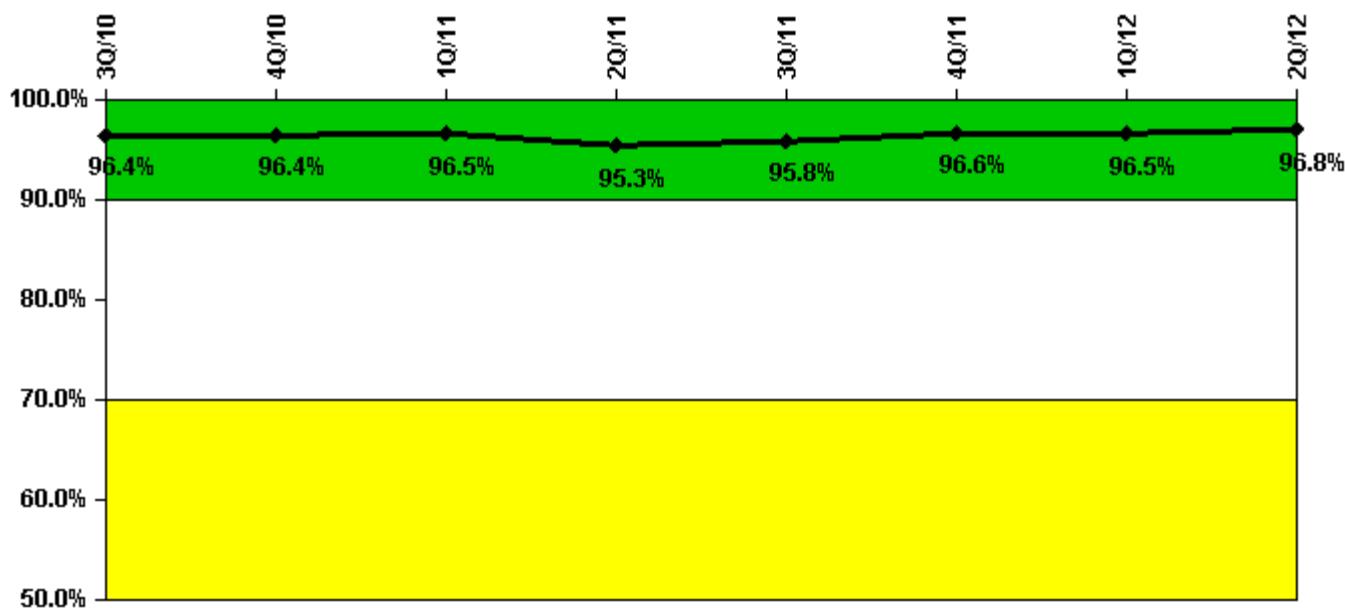
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	1.790	1.780	1.740	1.670	1.600	1.680	1.690	1.680	1.630	1.640	1.630	1.640
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	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>	<b>5.6</b>	<b>5.3</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>
Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	1.810	1.840	1.870	1.840	1.800	1.710	1.670	1.610	1.980	2.210	1.700	1.780
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	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

### Notes

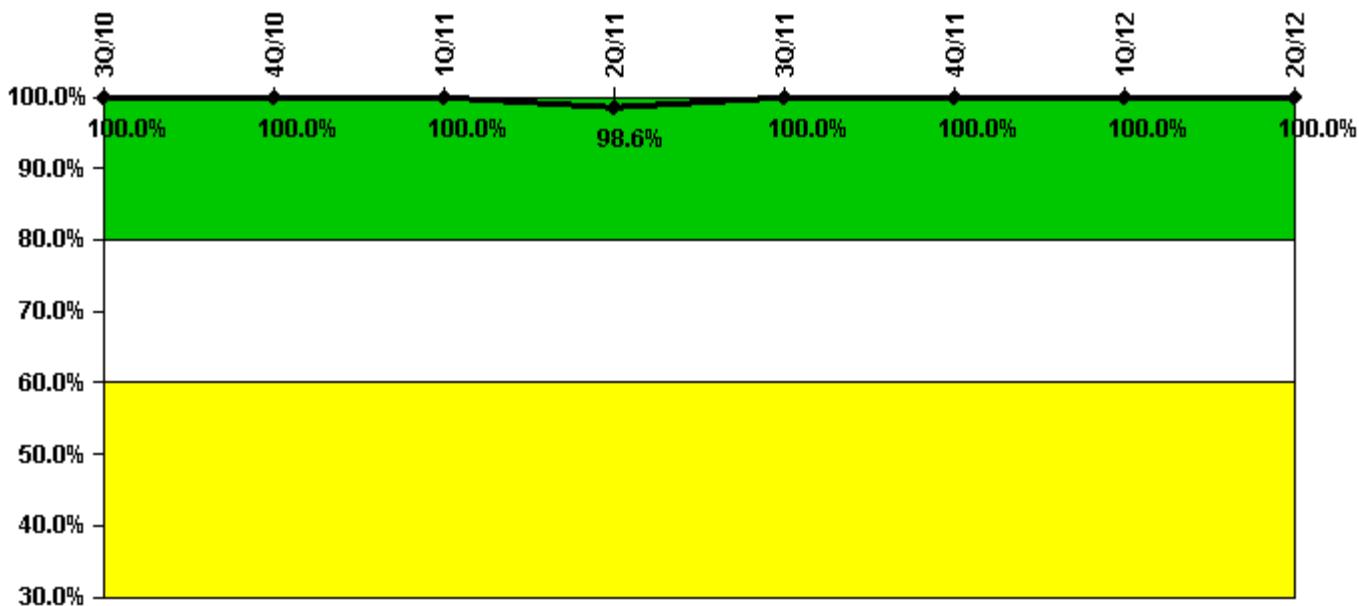
Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	38.0	8.0	6.0	30.0	27.0	20.0	10.0	70.0
Total opportunities	40.0	8.0	6.0	32.0	27.0	21.0	10.0	72.0
Indicator value	96.4%	96.4%	96.5%	95.3%	95.8%	96.6%	96.5%	96.8%

### 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 Inspection, 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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	136.0	138.0	134.0	141.0	145.0	150.0	150.0	149.0
Total Key personnel	136.0	138.0	134.0	143.0	145.0	150.0	150.0	149.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

### 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 Inspection, 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**

<b>Alert &amp; Notification System</b>	<b>3Q/10</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### **Licensee Comments:**

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

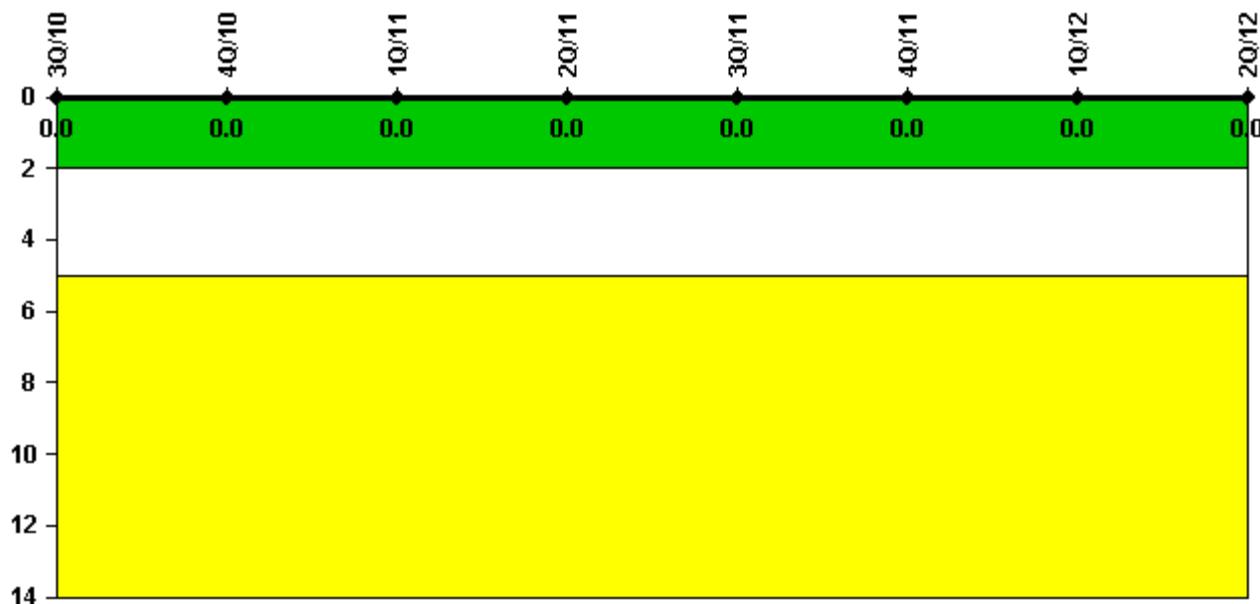
2Q/11: Plant Hatch does not use sirens as an emergency notification system.

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

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

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

## Occupational Exposure Control Effectiveness



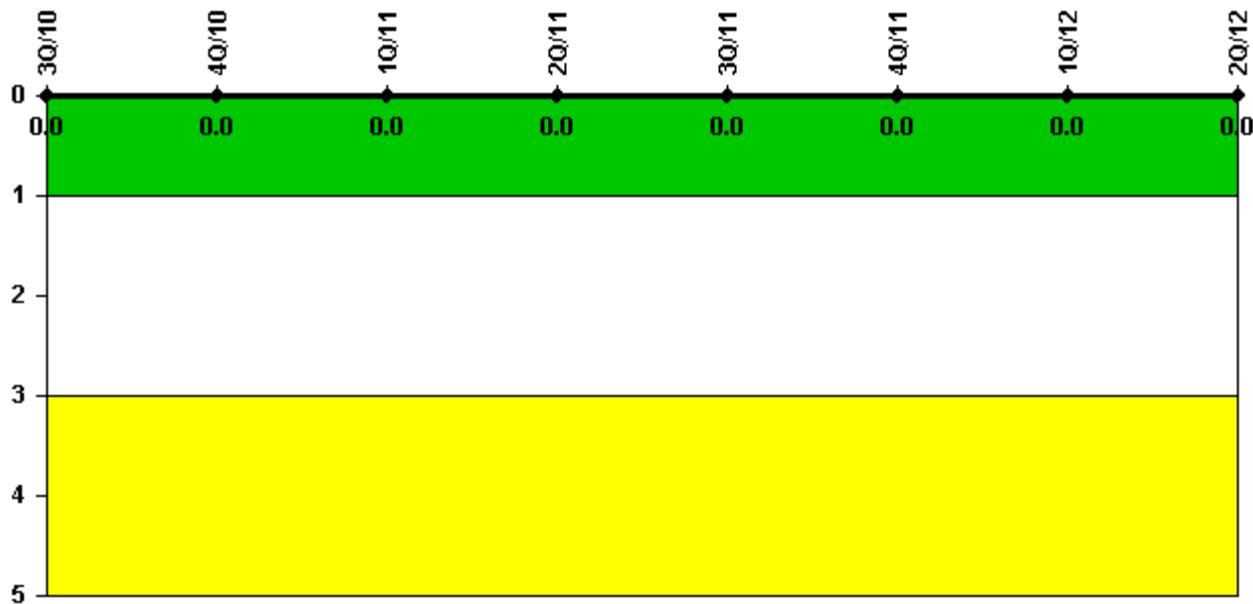
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

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

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

**Hatch 1****3Q/2012 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

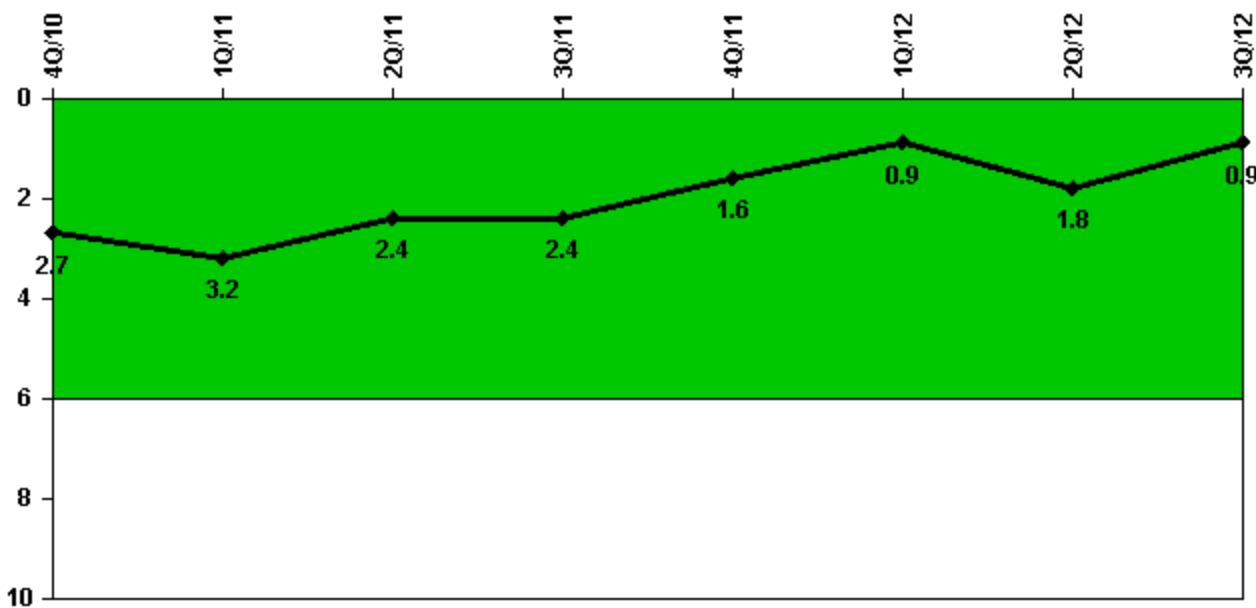
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



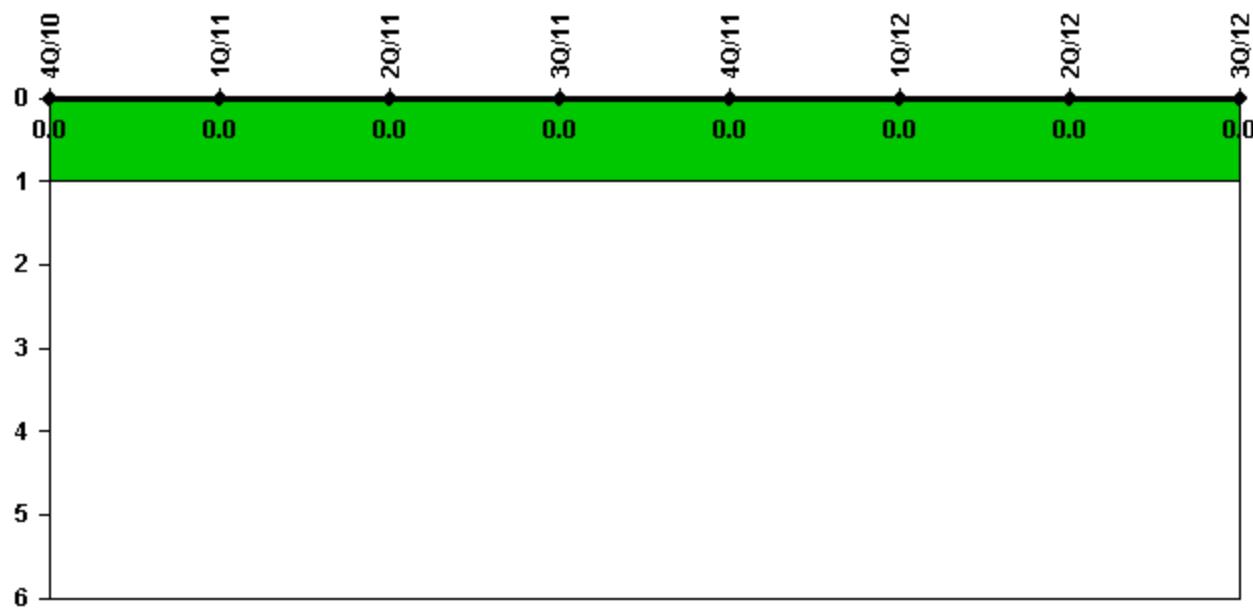
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	1.0	1.0	0	1.0	0	0	1.0	0
Critical hours	2171.4	2159.0	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0
<b>Indicator value</b>	<b>2.7</b>	<b>3.2</b>	<b>2.4</b>	<b>2.4</b>	<b>1.6</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

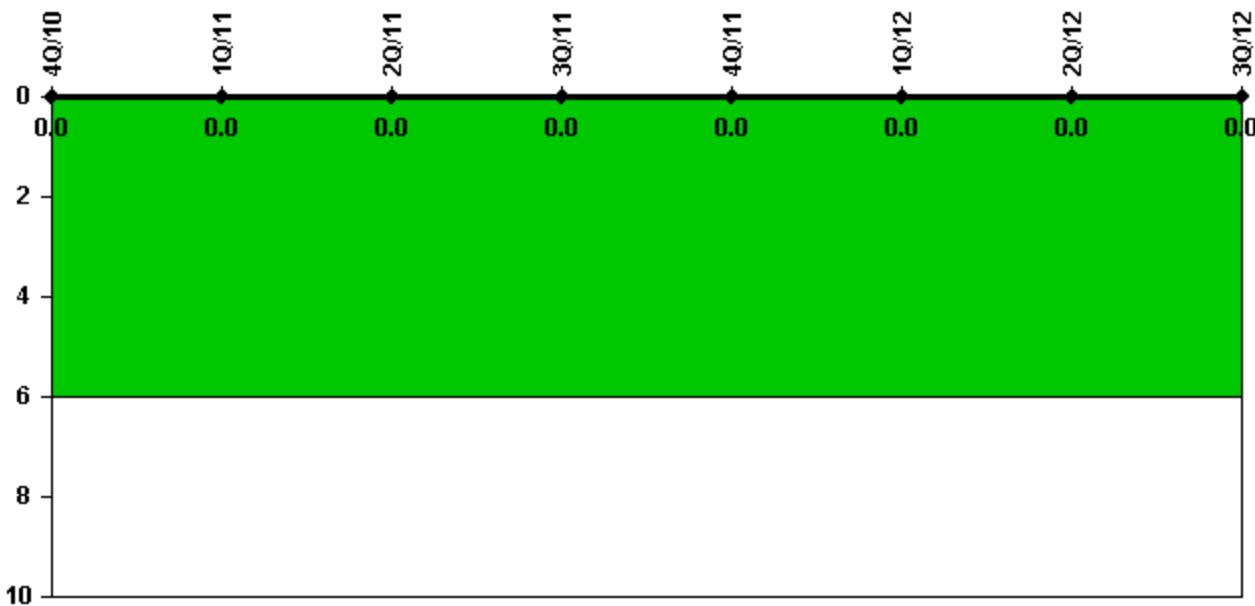
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

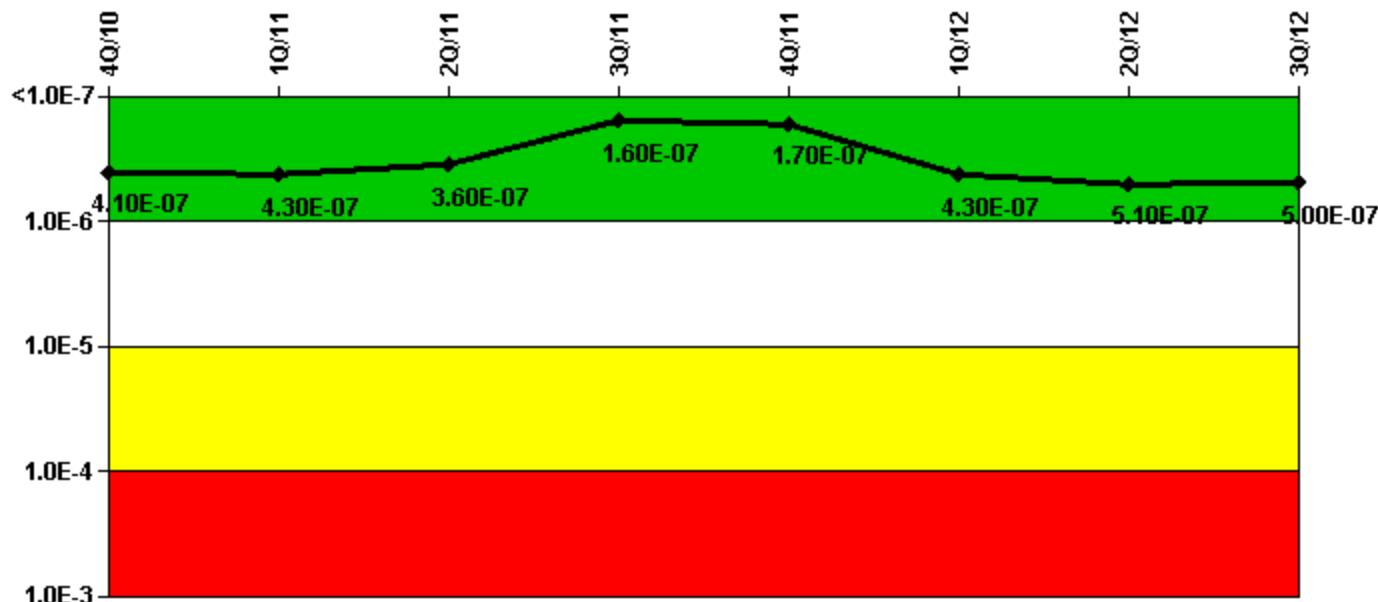
#### **Notes**

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

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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	1.40E-07	1.43E-07	8.35E-08	8.23E-08	8.15E-08	1.43E-07	2.28E-07	2.02E-07
URI ( $\Delta$ CDF)	2.68E-07	2.86E-07	2.81E-07	7.94E-08	8.61E-08	2.85E-07	2.86E-07	2.94E-07
PLE	NO							
<b>Indicator value</b>	<b>4.10E-07</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>

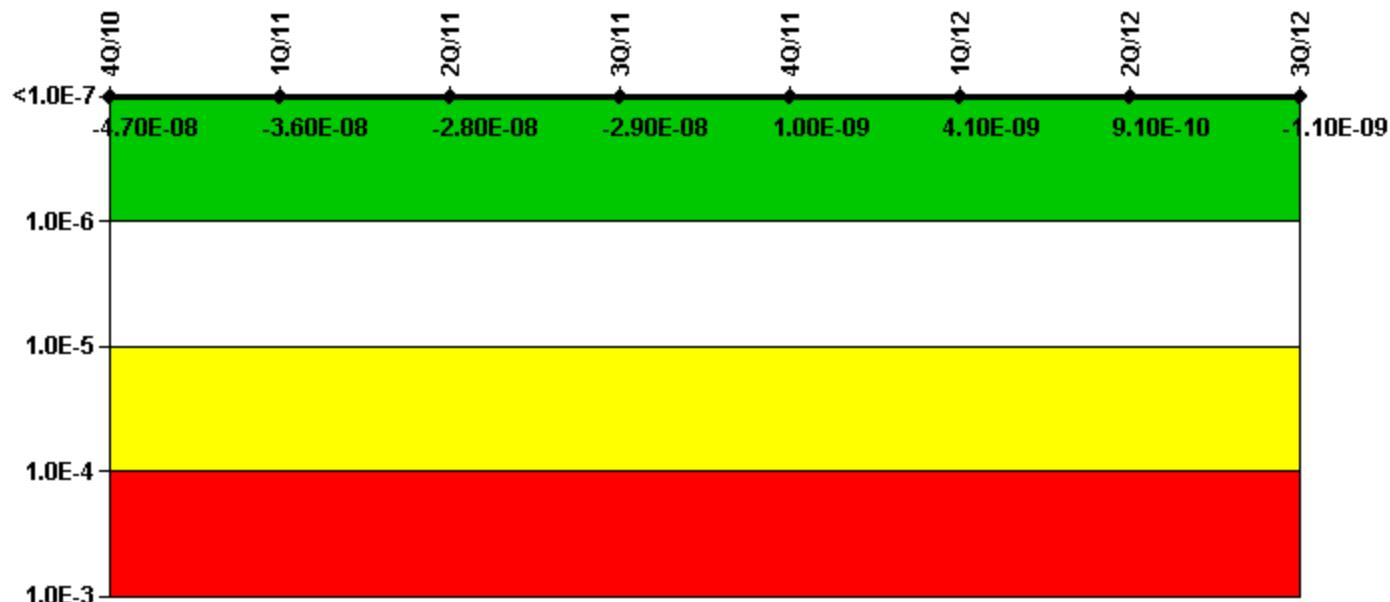
### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

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, High Pressure Injection System



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

### Notes

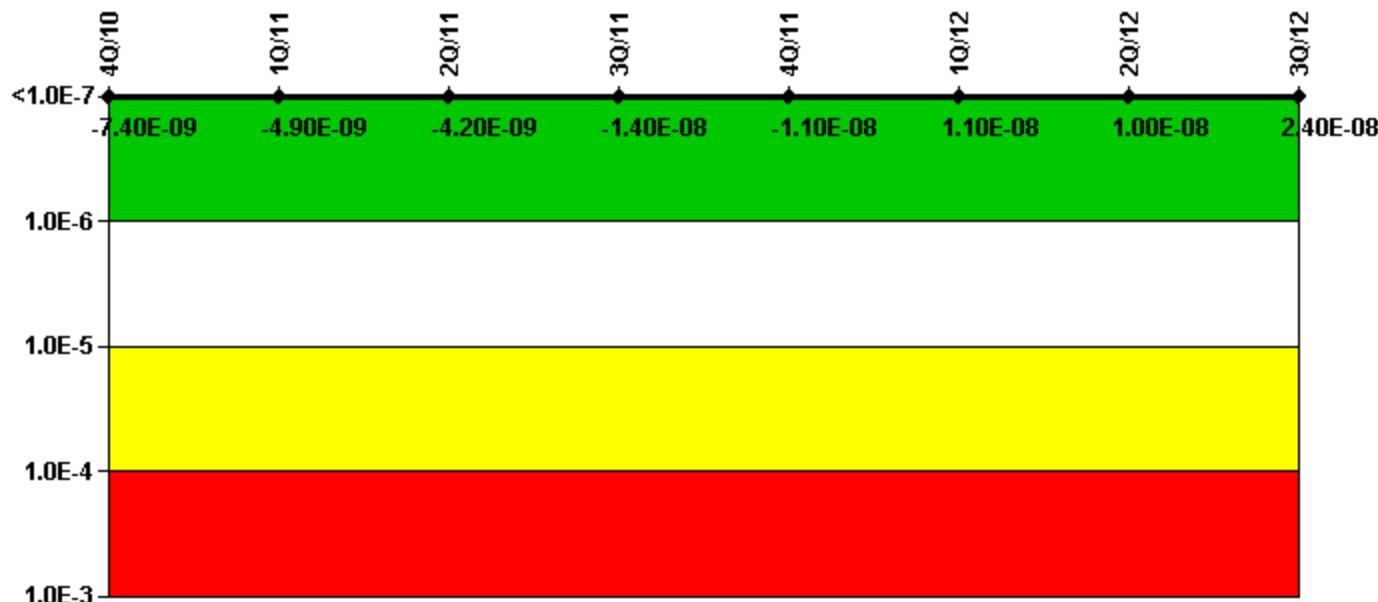
Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-6.03E-09	3.15E-09	1.09E-08	1.01E-08	3.93E-08	4.38E-08	4.17E-08	3.96E-08
URI ( $\Delta$ CDF)	-4.08E-08	-3.94E-08	-3.93E-08	-3.94E-08	-3.83E-08	-3.97E-08	-4.08E-08	-4.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-4.70E-08</b>	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>

### 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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	8.26E-09	1.01E-08	1.03E-08	3.68E-10	1.90E-09	1.09E-08	1.04E-08	2.44E-08
URI ( $\Delta$ CDF)	-1.56E-08	-1.50E-08	-1.45E-08	-1.44E-08	-1.32E-08	4.01E-11	4.00E-11	-7.96E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.40E-09</b>	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>

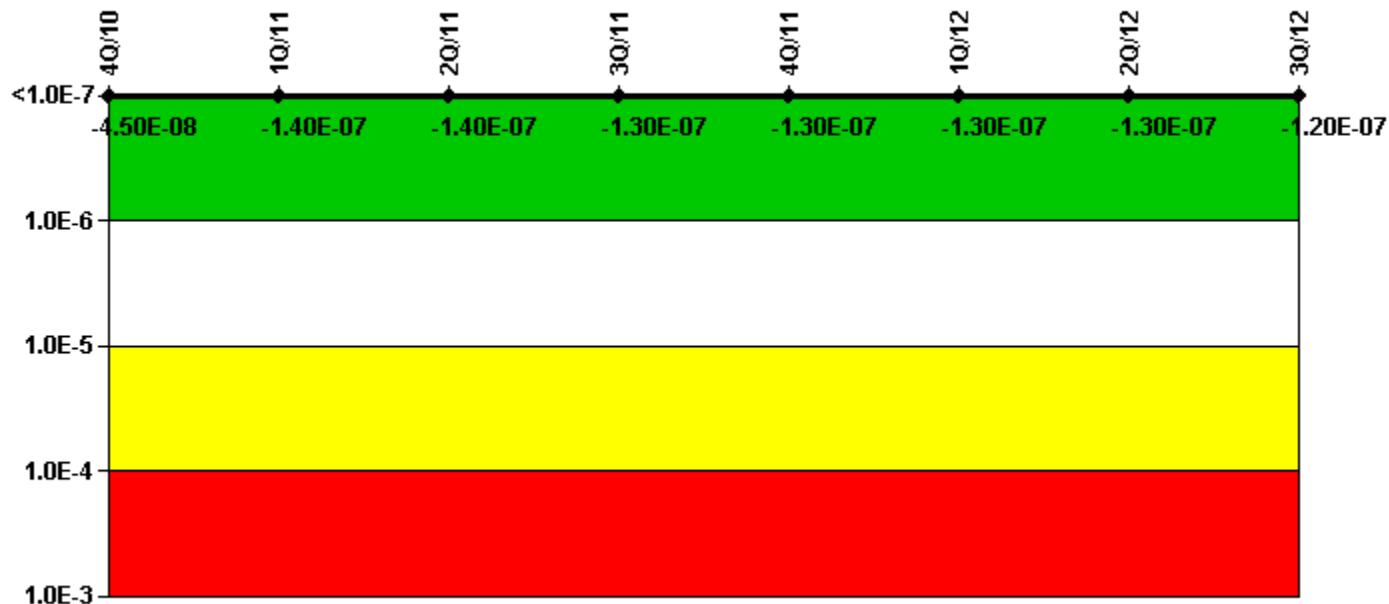
### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-1.88E-08	-1.88E-08	-1.88E-08	-9.66E-09	-9.74E-09	-8.28E-09	-8.99E-09	2.58E-09
URI ( $\Delta$ CDF)	-2.59E-08	-1.18E-07	-1.17E-07	-1.17E-07	-1.18E-07	-1.26E-07	-1.20E-07	-1.21E-07
PLE	NO							
Indicator value	<b>-4.50E-08</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>

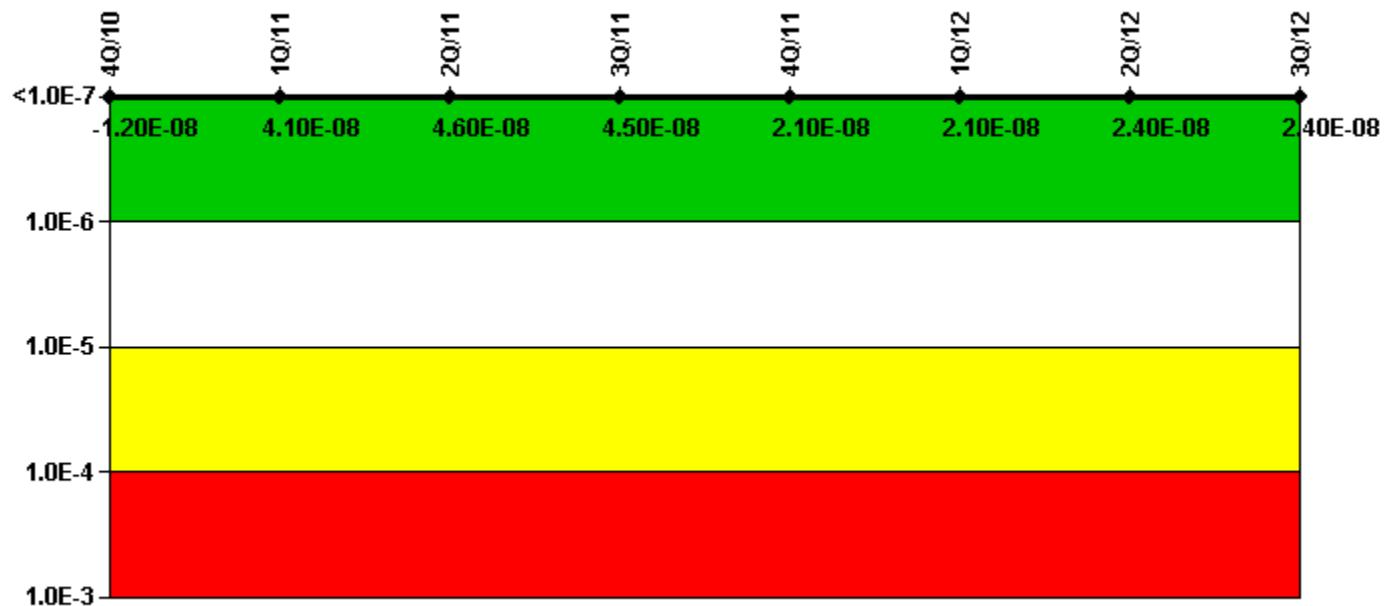
### Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

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

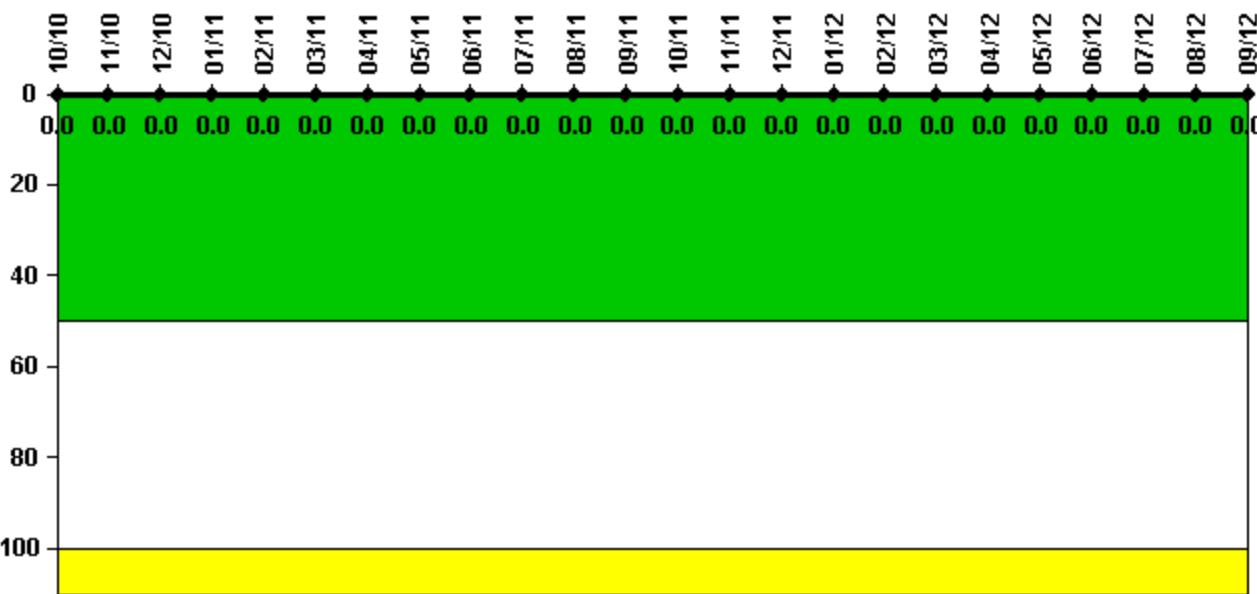
Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	5.69E-08	1.07E-07	1.07E-07	1.07E-07	9.63E-08	1.02E-07	1.02E-07	1.02E-07
URI ( $\Delta$ CDF)	-6.91E-08	-6.64E-08	-6.13E-08	-6.18E-08	-7.56E-08	-8.14E-08	-7.78E-08	-7.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.20E-08</b>	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>

### 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.

## Reactor Coolant System Activity



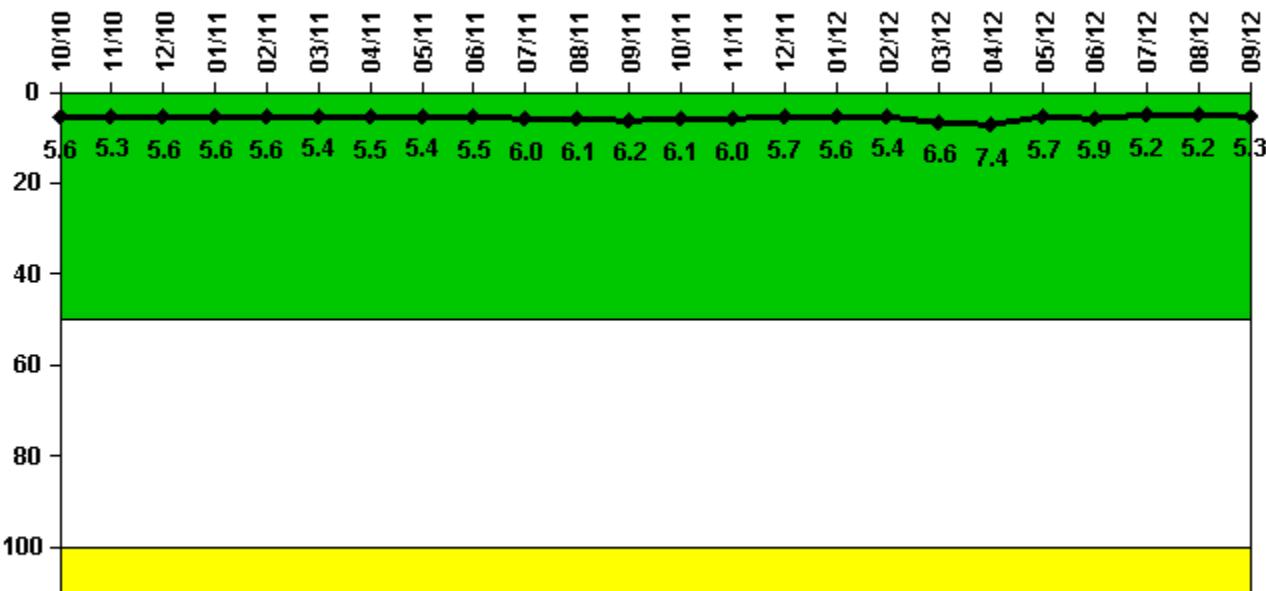
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000003	0.000005	0.000006	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007
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	0
Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



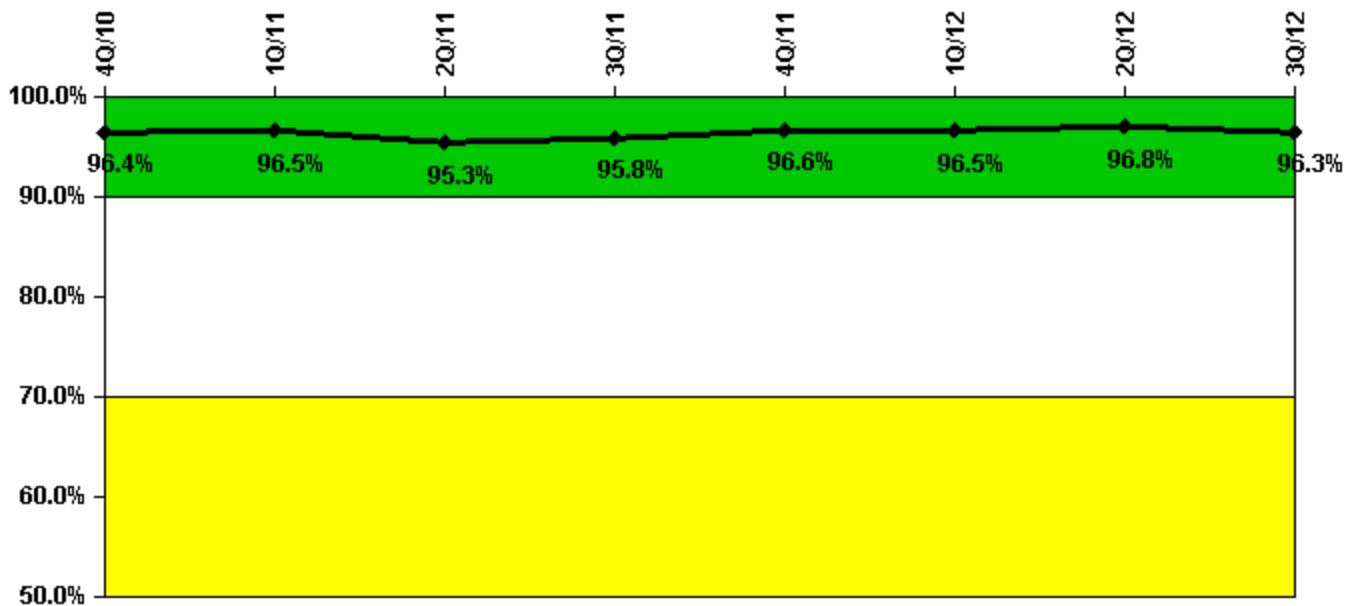
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	1.670	1.600	1.680	1.690	1.680	1.630	1.640	1.630	1.640	1.810	1.840	1.870
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	5.6	5.3	5.6	5.6	5.6	5.4	5.5	5.4	5.5	6.0	6.1	6.2
Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	1.840	1.800	1.710	1.670	1.610	1.980	2.210	1.700	1.780	1.560	1.550	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	6.1	6.0	5.7	5.6	5.4	6.6	7.4	5.7	5.9	5.2	5.2	5.3

Licensee Comments: none

### **Drill/Exercise Performance**



Thresholds: White < 90.0% Yellow < 70.0%

#### **Notes**

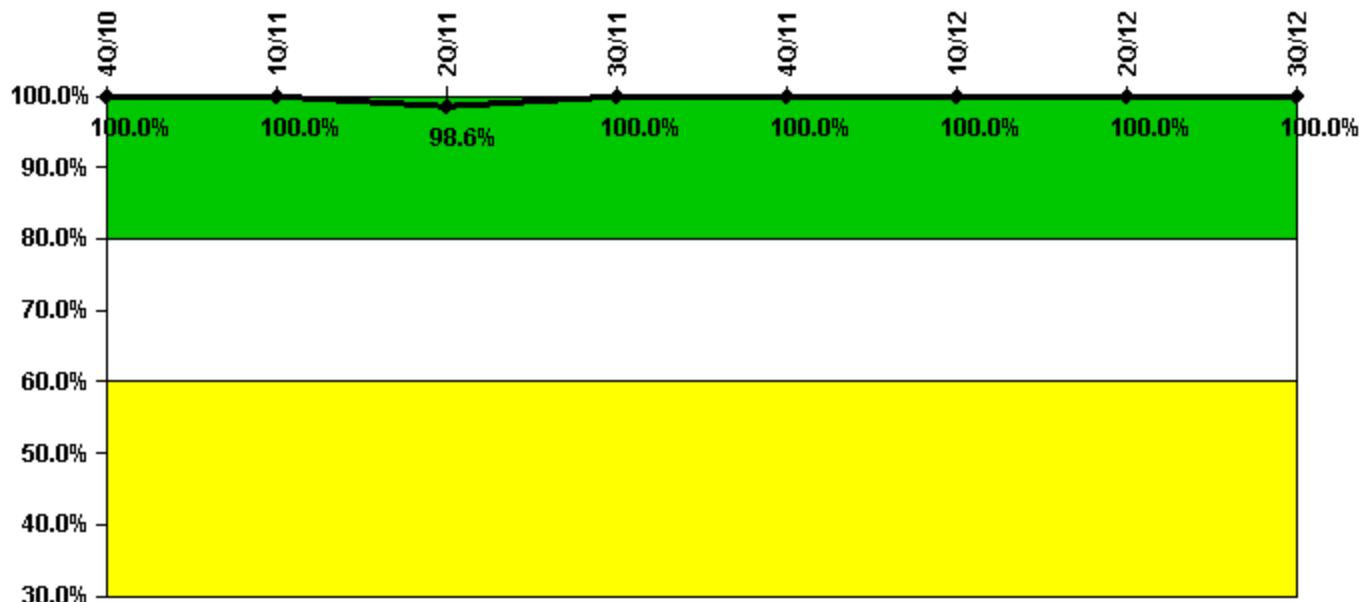
Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	8.0	6.0	30.0	27.0	20.0	10.0	70.0	61.0
Total opportunities	8.0	6.0	32.0	27.0	21.0	10.0	72.0	65.0
<b>Indicator value</b>	<b>96.4%</b>	<b>96.5%</b>	<b>95.3%</b>	<b>95.8%</b>	<b>96.6%</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.3%</b>

#### 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 Inspection, 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**

<b>ERO Drill Participation</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>
Participating Key personnel	138.0	134.0	141.0	145.0	150.0	150.0	149.0	134.0
Total Key personnel	138.0	134.0	143.0	145.0	150.0	150.0	149.0	134.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

#### Licensee Comments:

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

1Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for inidivuals 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**

<b>Alert &amp; Notification System</b>	<b>4Q/10</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

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

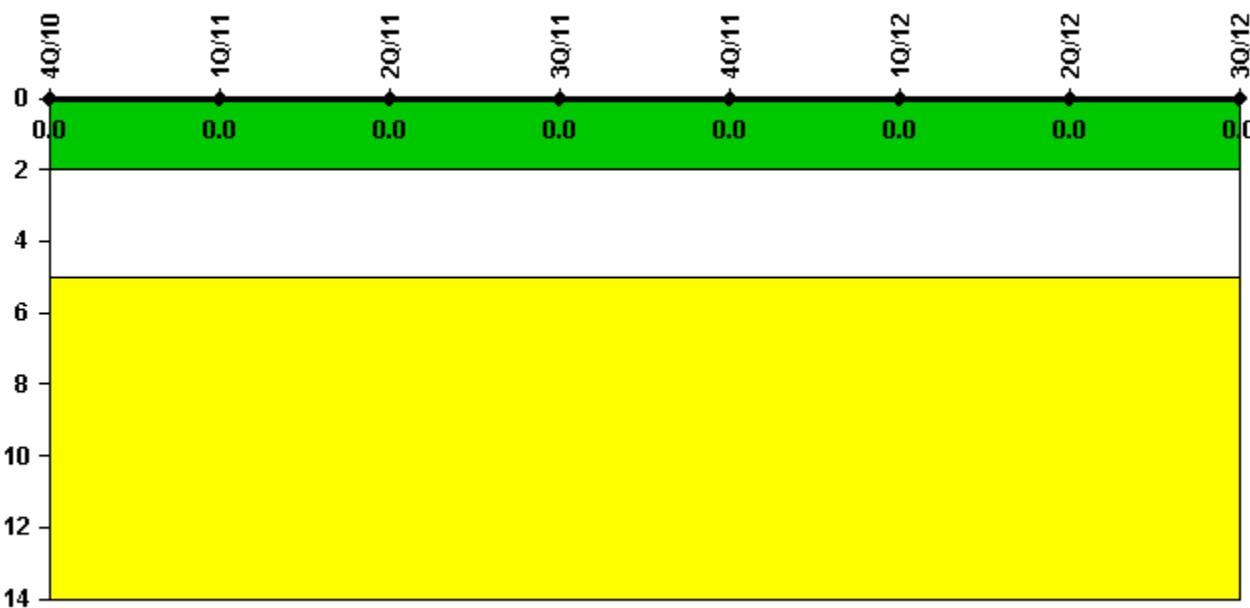
3Q/11: Plant Hatch does not use sirens as an emergency notification system.

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 notification system.

### Occupational Exposure Control Effectiveness



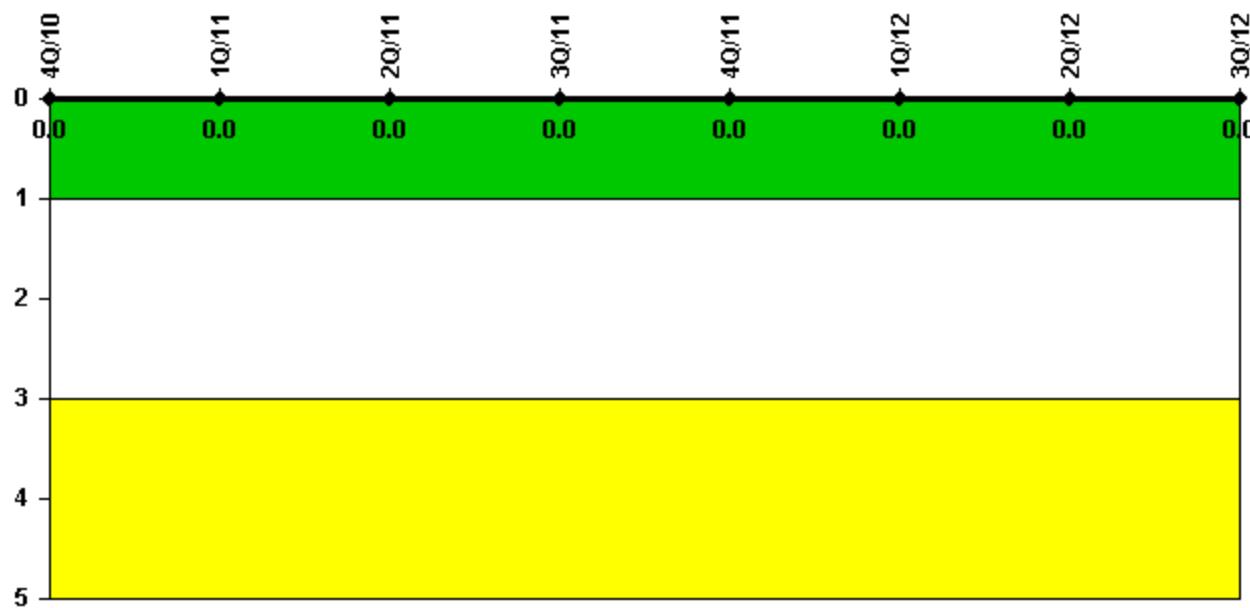
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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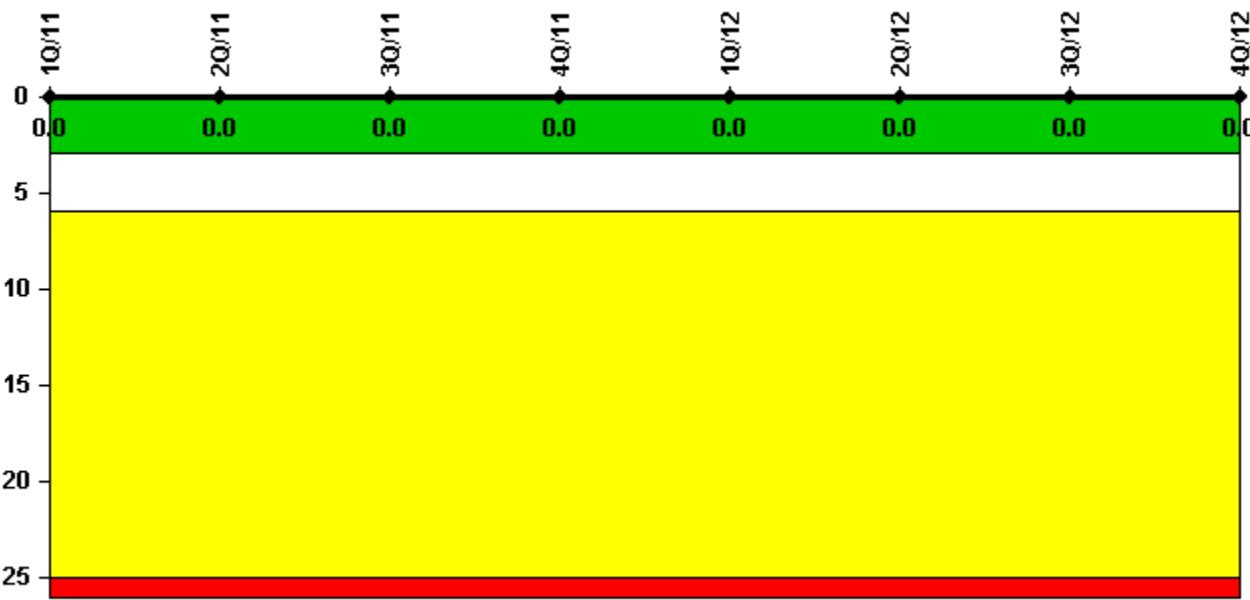


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 24, 2012*

**Hatch 1****4Q/2012 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

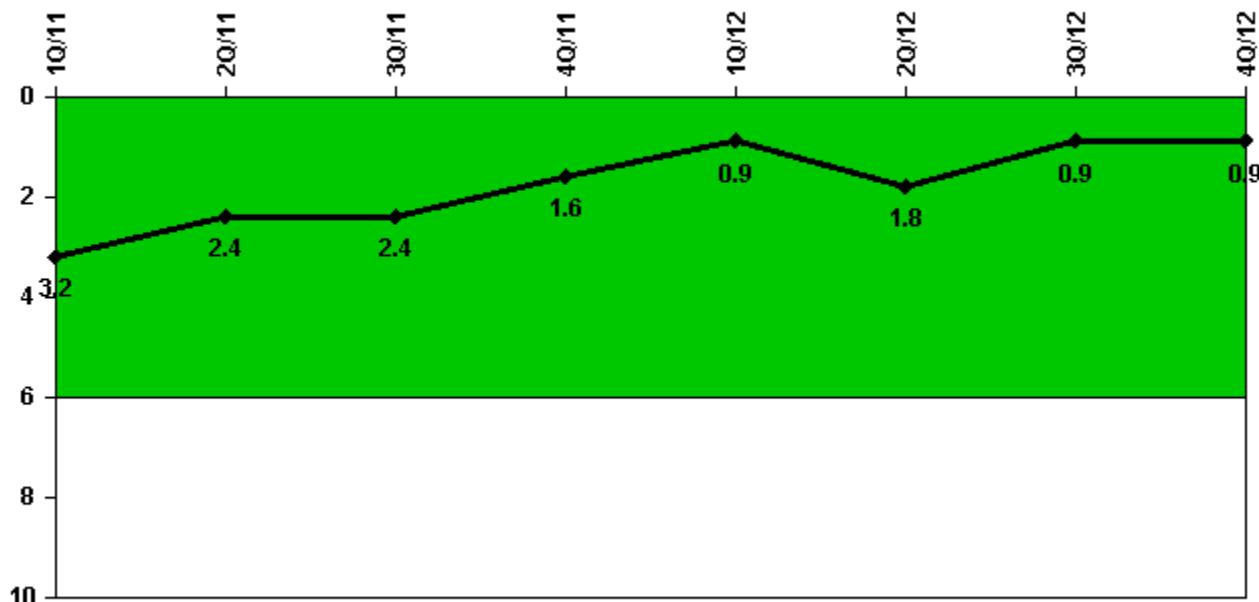
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs

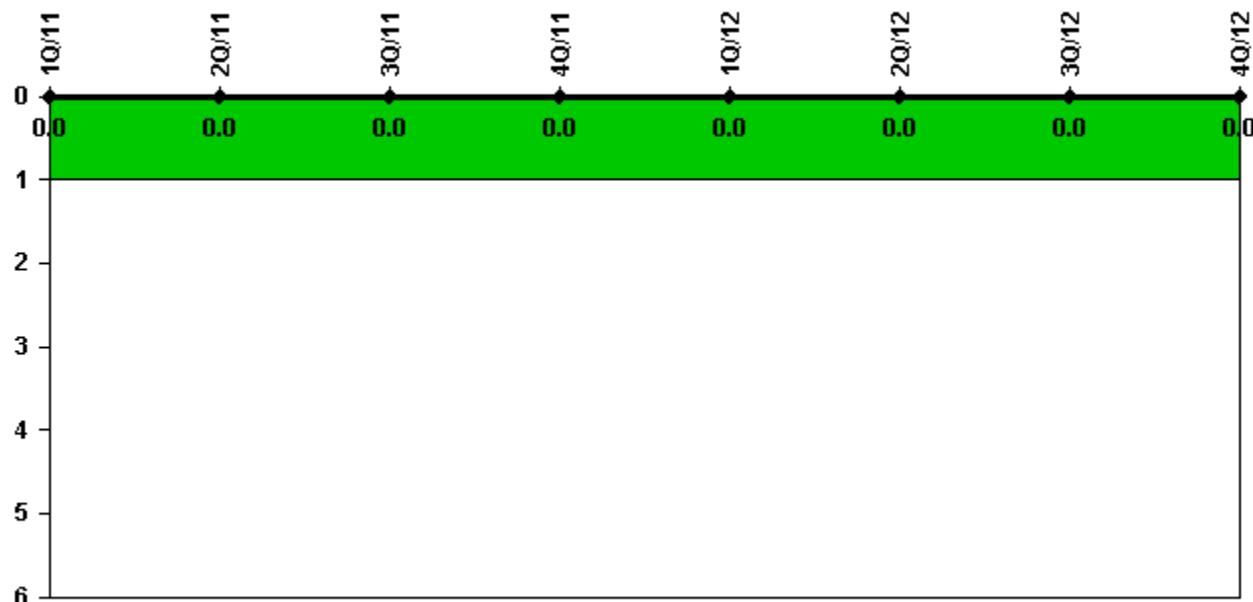


Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	1.0	0	1.0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0
Indicator value	3.2	2.4	2.4	1.6	0.9	1.8	0.9	0.9

Licensee Comments: none

**Unplanned Scrams with Complications**

Thresholds: White > 1.0

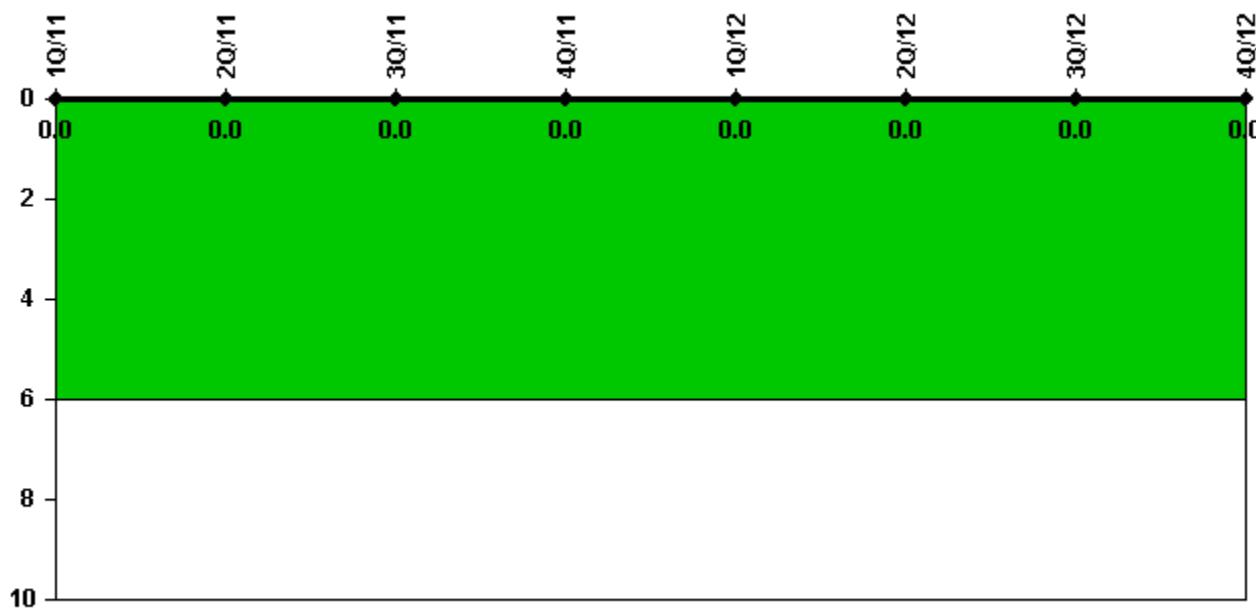
**Notes**

Unplanned Scrams with Complications	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	<b>0.0</b>							

Licensee Comments: none

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## Safety System Functional Failures (BWR)



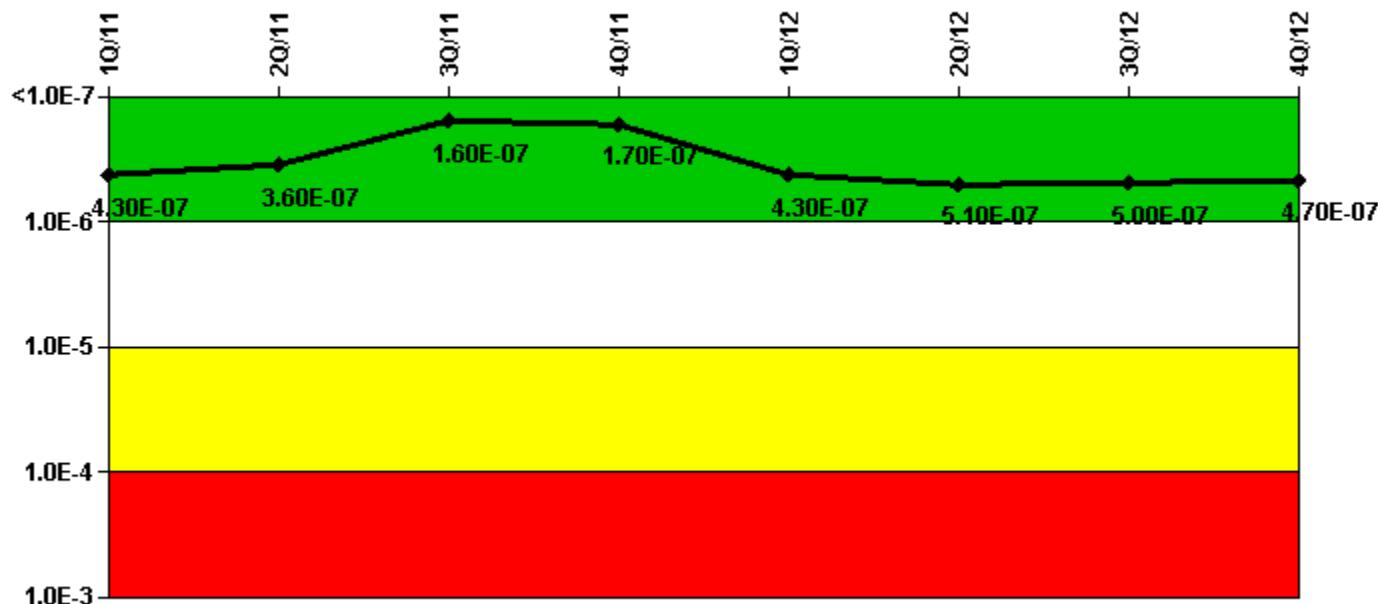
Thresholds: White > 6.0

### Notes

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

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

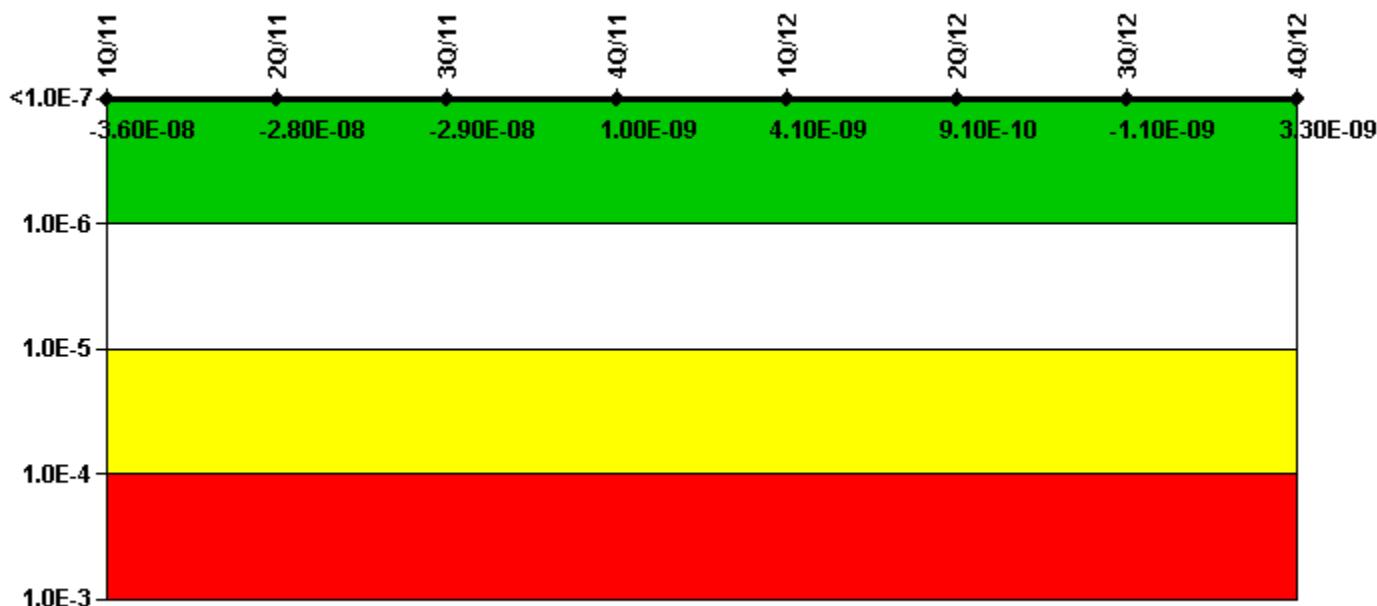
Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	1.43E-07	8.35E-08	8.23E-08	8.15E-08	1.43E-07	2.28E-07	2.02E-07	1.68E-07
URI ( $\Delta$ CDF)	2.86E-07	2.81E-07	7.94E-08	8.61E-08	2.85E-07	2.86E-07	2.94E-07	2.98E-07
PLE	NO							
<b>Indicator value</b>	<b>4.30E-07</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>

### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

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.

## Mitigating Systems Performance Index, High Pressure Injection System



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

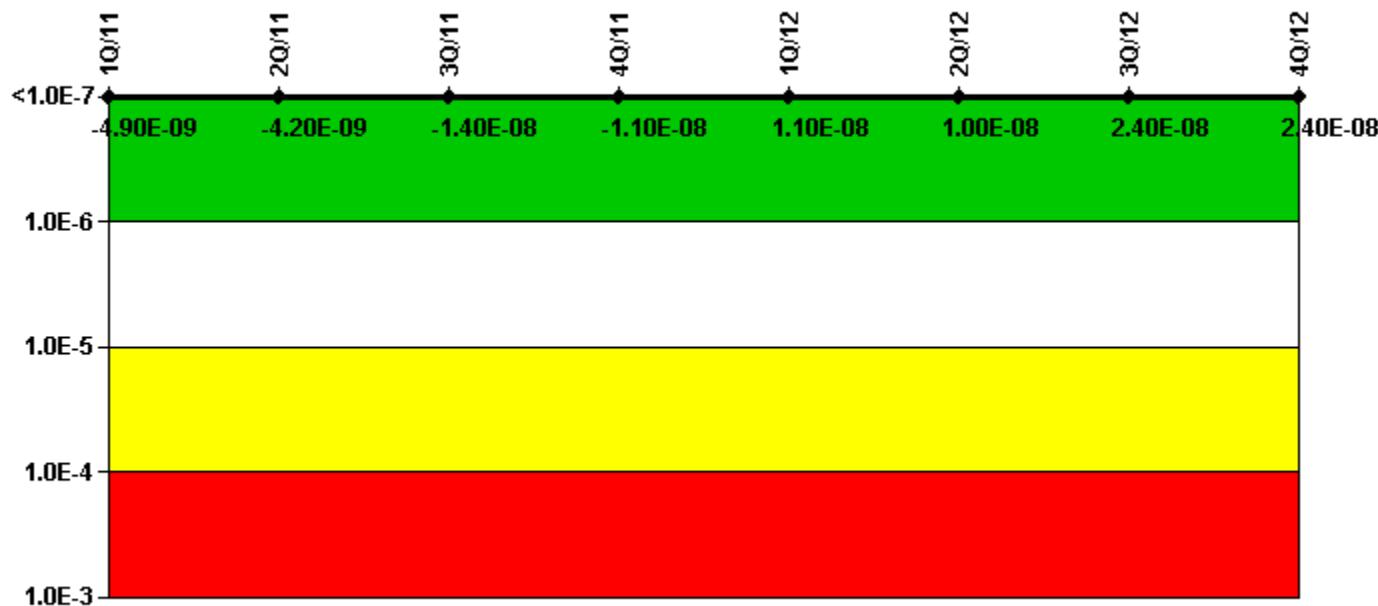
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	3.15E-09	1.09E-08	1.01E-08	3.93E-08	4.38E-08	4.17E-08	3.96E-08	4.40E-08
URI ( $\Delta$ CDF)	-3.94E-08	-3.93E-08	-3.94E-08	-3.83E-08	-3.97E-08	-4.08E-08	-4.07E-08	-4.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-3.60E-08</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>

### 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.

## Mitigating Systems Performance Index, Heat Removal System



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

### Notes

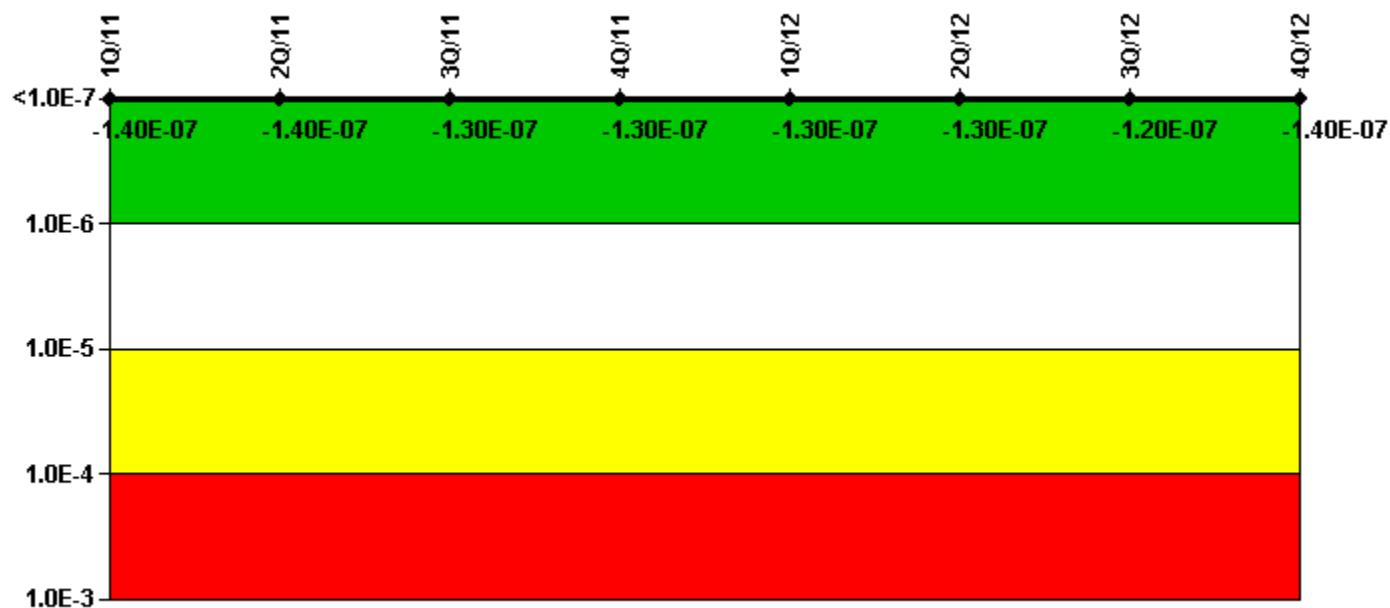
Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	1.01E-08	1.03E-08	3.68E-10	1.90E-09	1.09E-08	1.04E-08	2.44E-08	2.52E-08
URI ( $\Delta$ CDF)	-1.50E-08	-1.45E-08	-1.44E-08	-1.32E-08	4.01E-11	4.00E-11	-7.96E-10	-7.50E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-4.90E-09</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>

### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

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.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

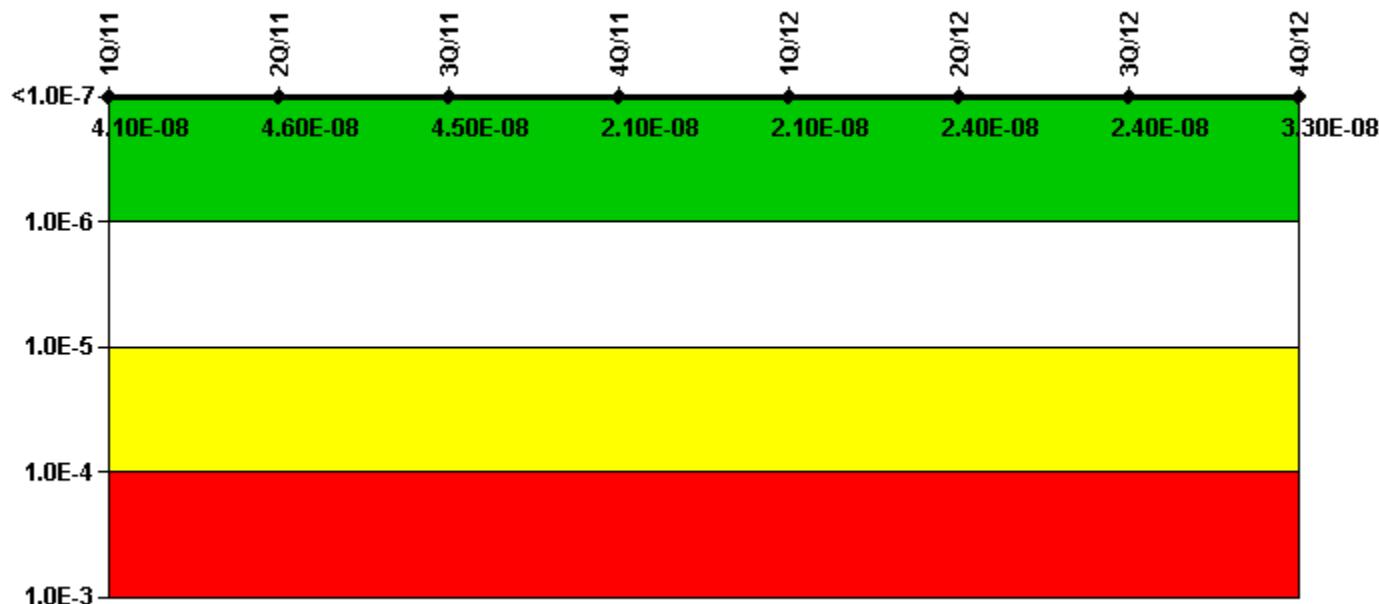
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-1.88E-08	-1.88E-08	-9.66E-09	-9.74E-09	-8.28E-09	-8.99E-09	2.58E-09	-1.02E-08
URI ( $\Delta$ CDF)	-1.18E-07	-1.17E-07	-1.17E-07	-1.18E-07	-1.26E-07	-1.20E-07	-1.21E-07	-1.26E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>

### Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

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.

## Mitigating Systems Performance Index, Cooling Water Systems



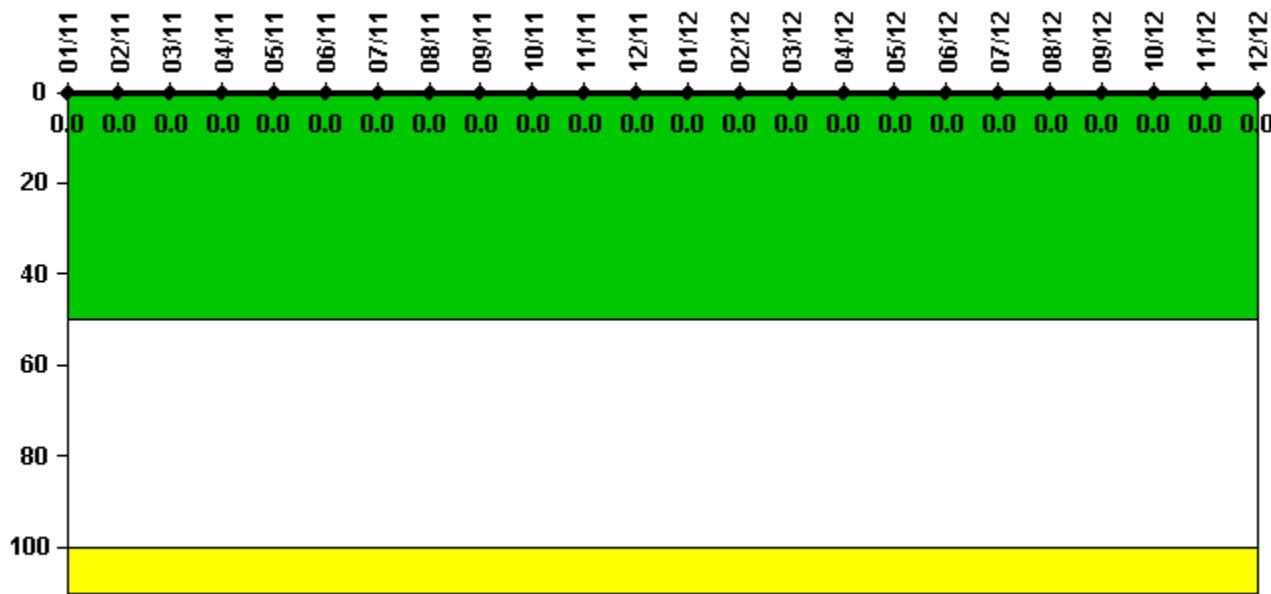
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	1.07E-07	1.07E-07	1.07E-07	9.63E-08	1.02E-07	1.02E-07	1.02E-07	1.13E-07
URI ( $\Delta$ CDF)	-6.64E-08	-6.13E-08	-6.18E-08	-7.56E-08	-8.14E-08	-7.78E-08	-7.76E-08	-8.03E-08
PLE	NO							
Indicator value	<b>4.10E-08</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>3.30E-08</b>

### 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.

**Reactor Coolant System Activity**

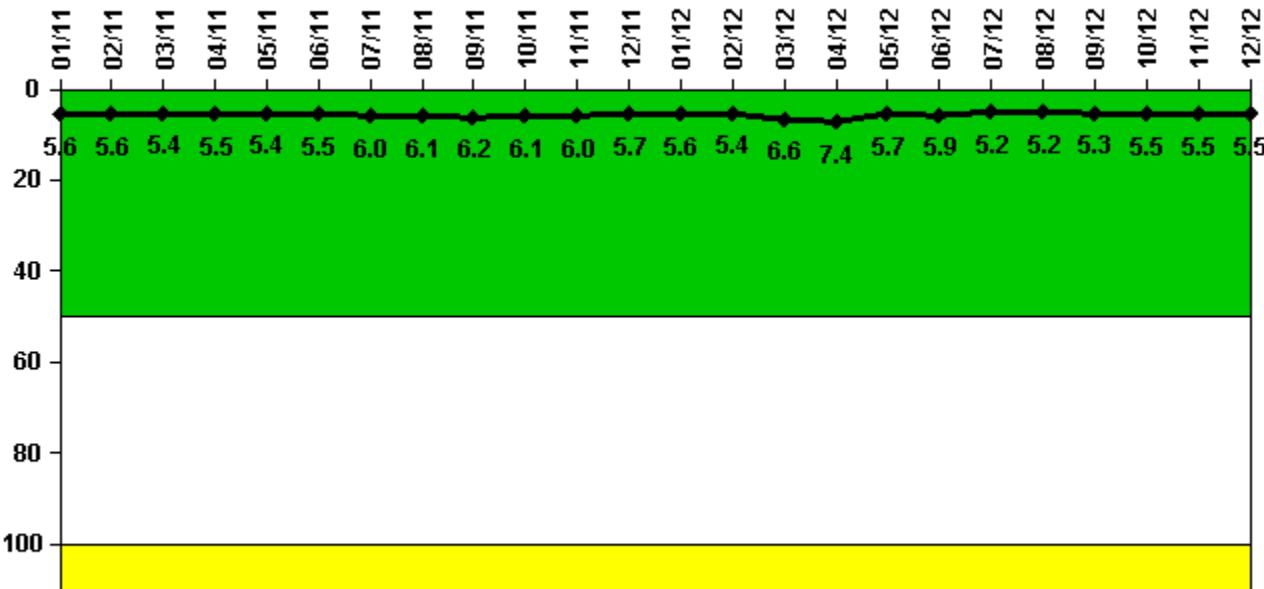
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000009	0.000005	0.000007	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007
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	<b>0</b>											
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003
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	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage

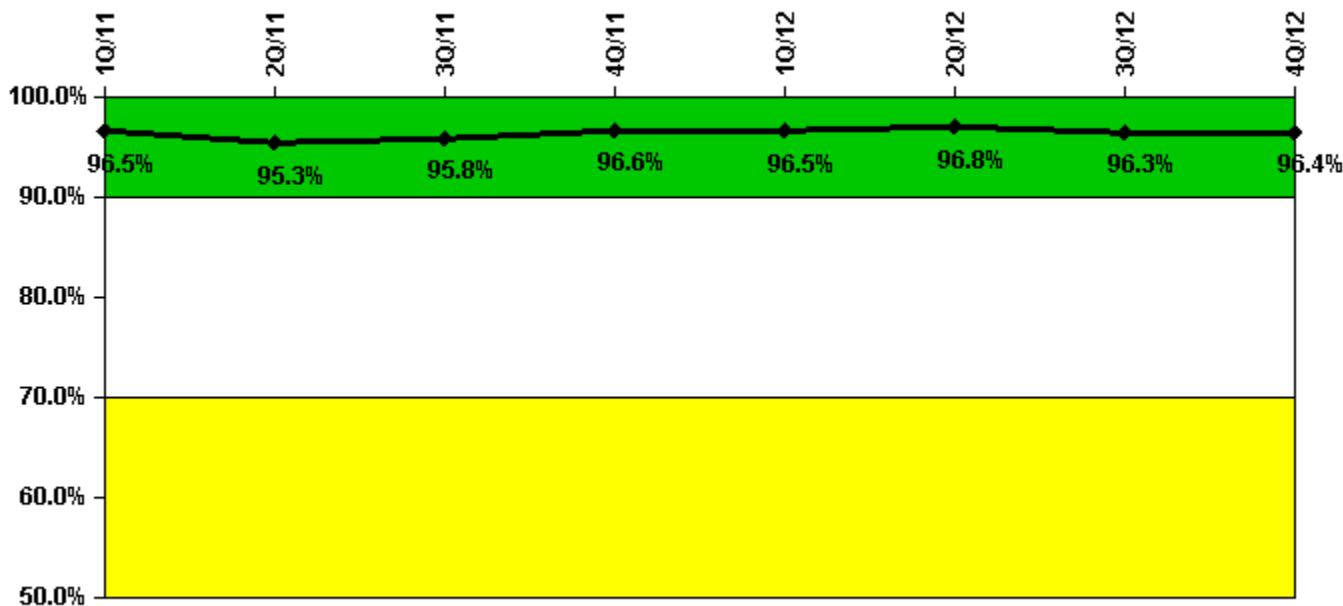


Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	1.690	1.680	1.630	1.640	1.630	1.640	1.810	1.840	1.870	1.840	1.800	1.710
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	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>
Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	1.670	1.610	1.980	2.210	1.700	1.780	1.560	1.550	1.600	1.660	1.650	1.660
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	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

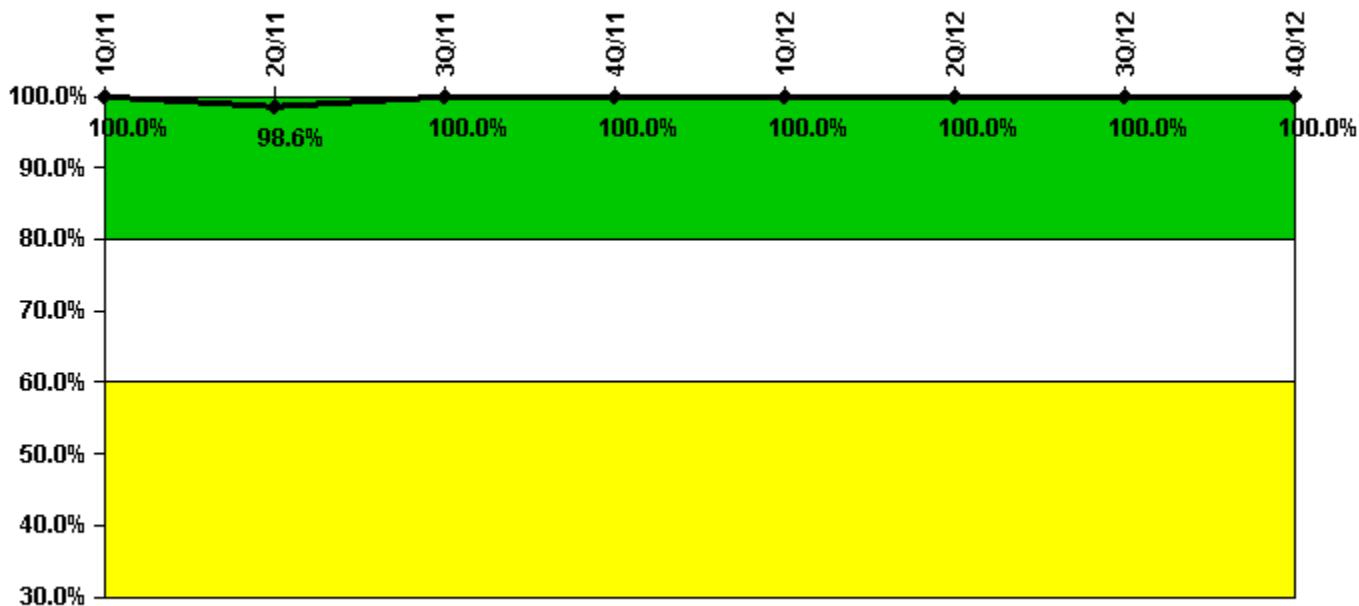
**Notes**

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	6.0	30.0	27.0	20.0	10.0	70.0	61.0	14.0
Total opportunities	6.0	32.0	27.0	21.0	10.0	72.0	65.0	14.0
<b>Indicator value</b>	<b>96.5%</b>	<b>95.3%</b>	<b>95.8%</b>	<b>96.6%</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.3%</b>	<b>96.4%</b>

**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 Inspection, 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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	134.0	141.0	145.0	150.0	150.0	149.0	134.0	130.0
Total Key personnel	134.0	143.0	145.0	150.0	150.0	149.0	134.0	130.0
Indicator value	100.0%	98.6%	100.0%	100.0%	100.0%	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 Particiaption credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for inidviduals 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**

<b>Alert &amp; Notification System</b>	<b>1Q/11</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

## Licensee Comments:

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

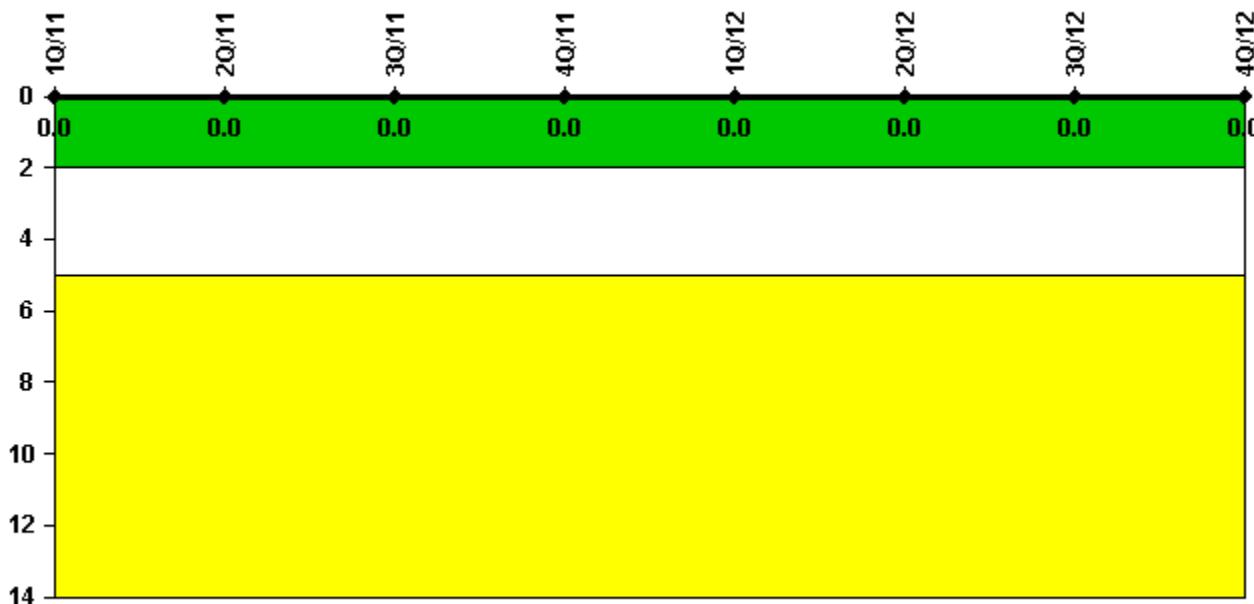
4Q/11: Plant Hatch does not use sirens as an emergency notification system.

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.

## Occupational Exposure Control Effectiveness



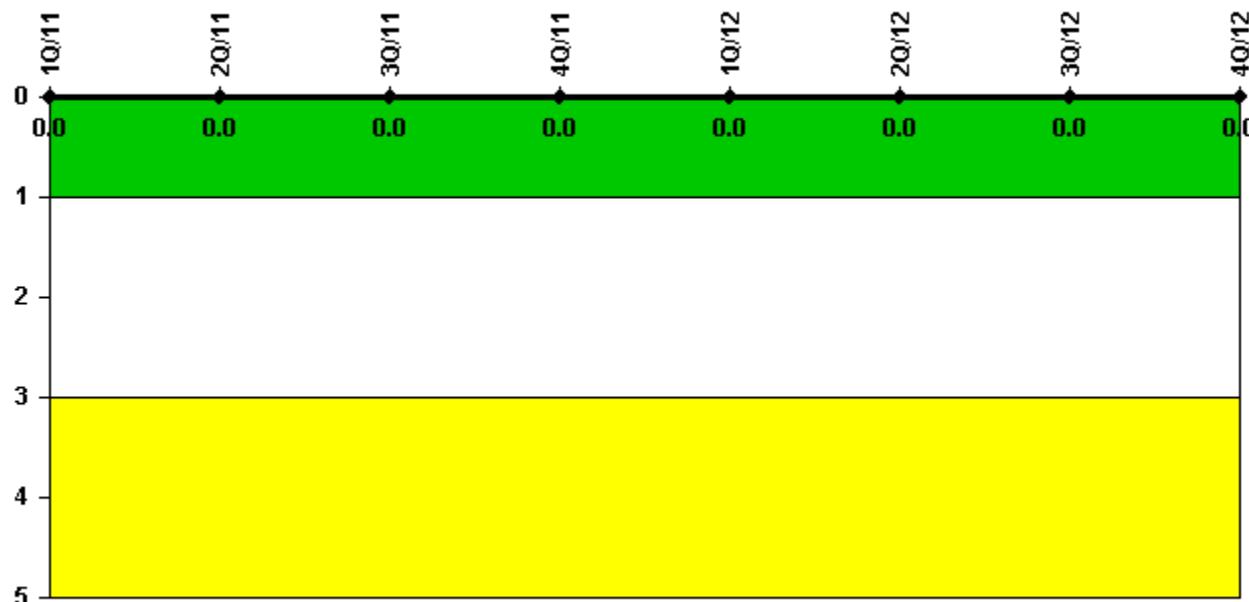
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

**Hatch 1****1Q/2013 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

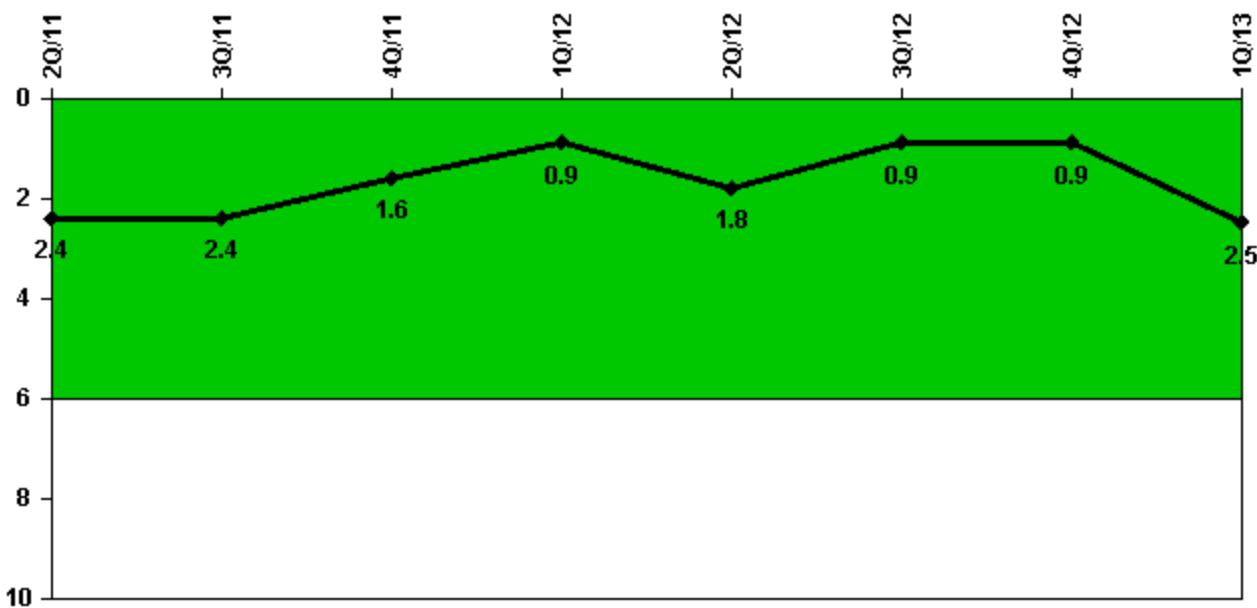
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9
<b>Indicator value</b>	<b>0</b>	<b>0.8</b>						

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

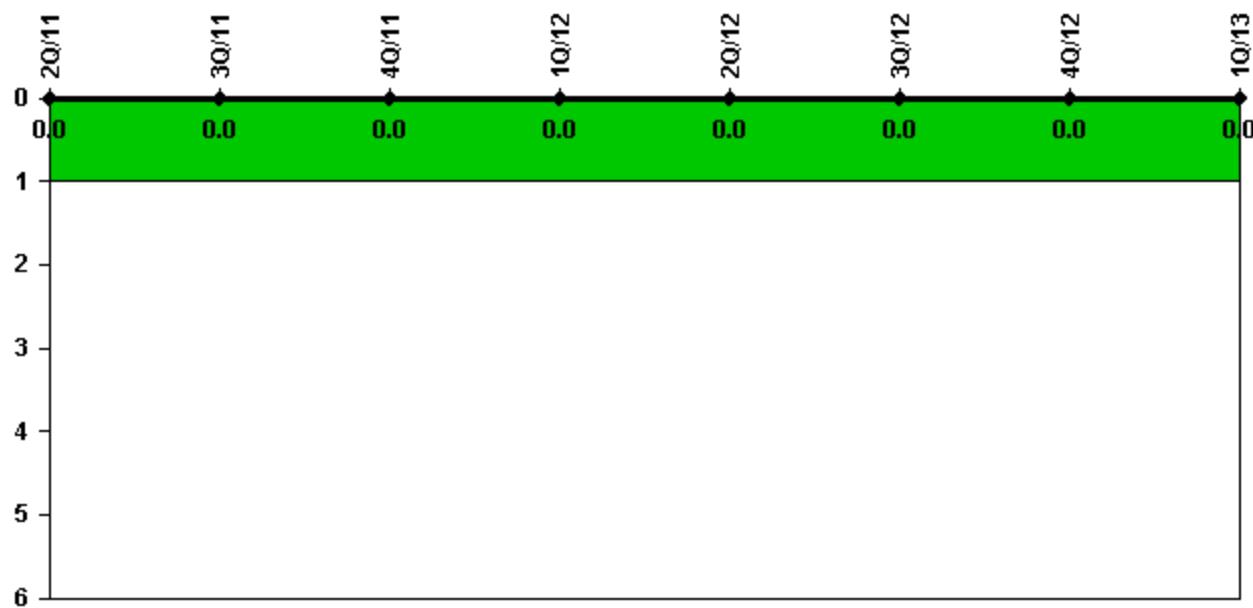
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	1.0	0	0	1.0	0	0	2.0
Critical hours	2184.0	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9
<b>Indicator value</b>	<b>2.4</b>	<b>2.4</b>	<b>1.6</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>

Licensee Comments: none

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### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

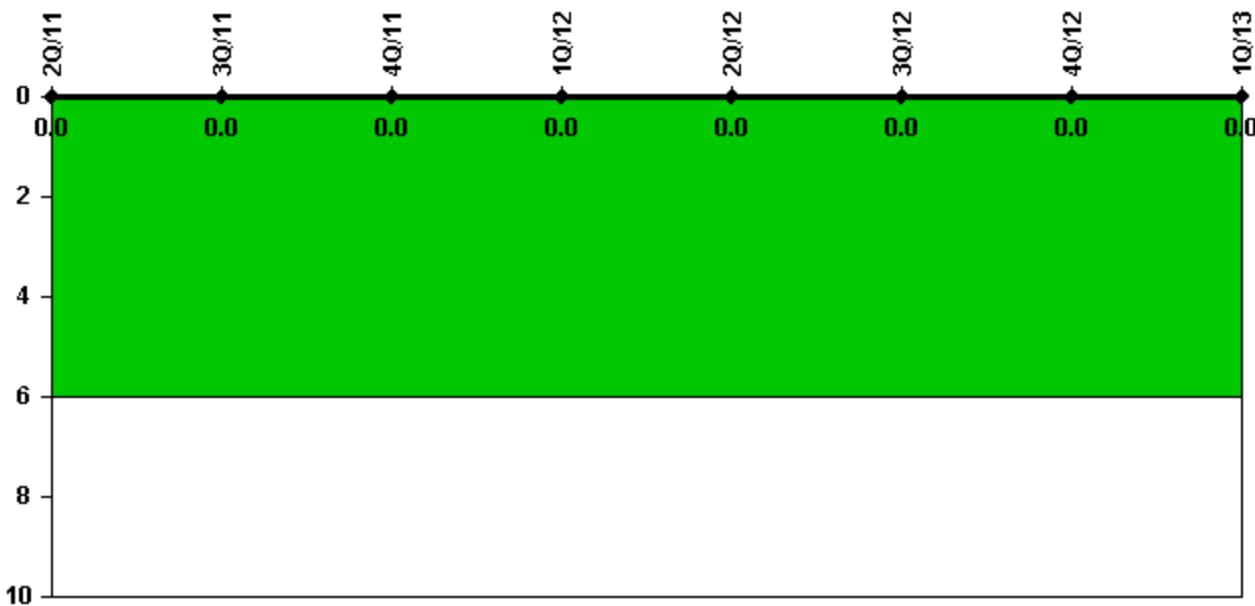
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

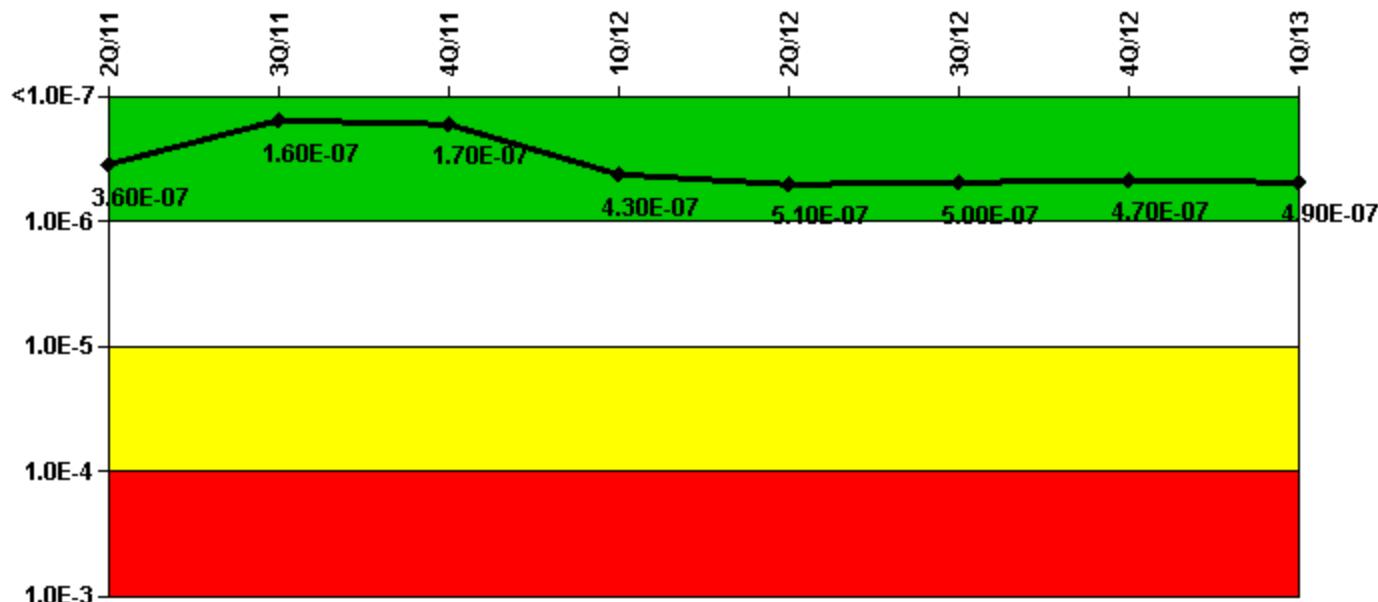
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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

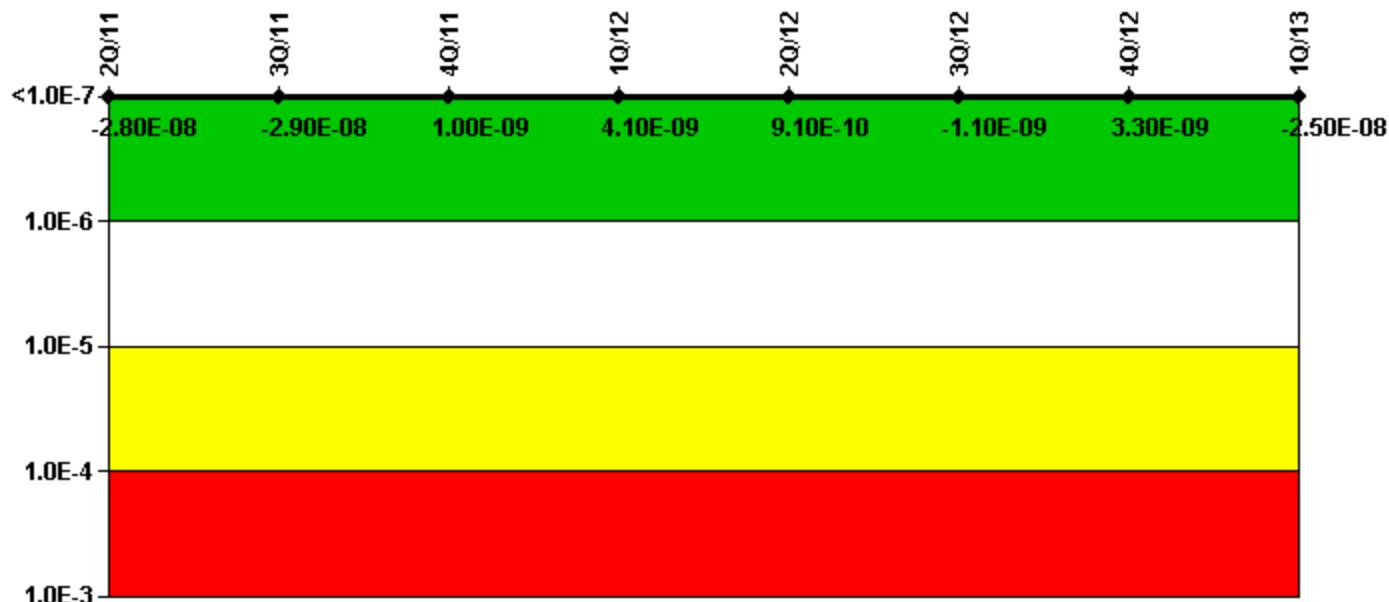
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	8.35E-08	8.23E-08	8.15E-08	1.43E-07	2.28E-07	2.02E-07	1.68E-07	1.69E-07
URI ( $\Delta$ CDF)	2.81E-07	7.94E-08	8.61E-08	2.85E-07	2.86E-07	2.94E-07	2.98E-07	3.19E-07
PLE	NO							
<b>Indicator value</b>	<b>3.60E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>

### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

## Mitigating Systems Performance Index, High Pressure Injection System



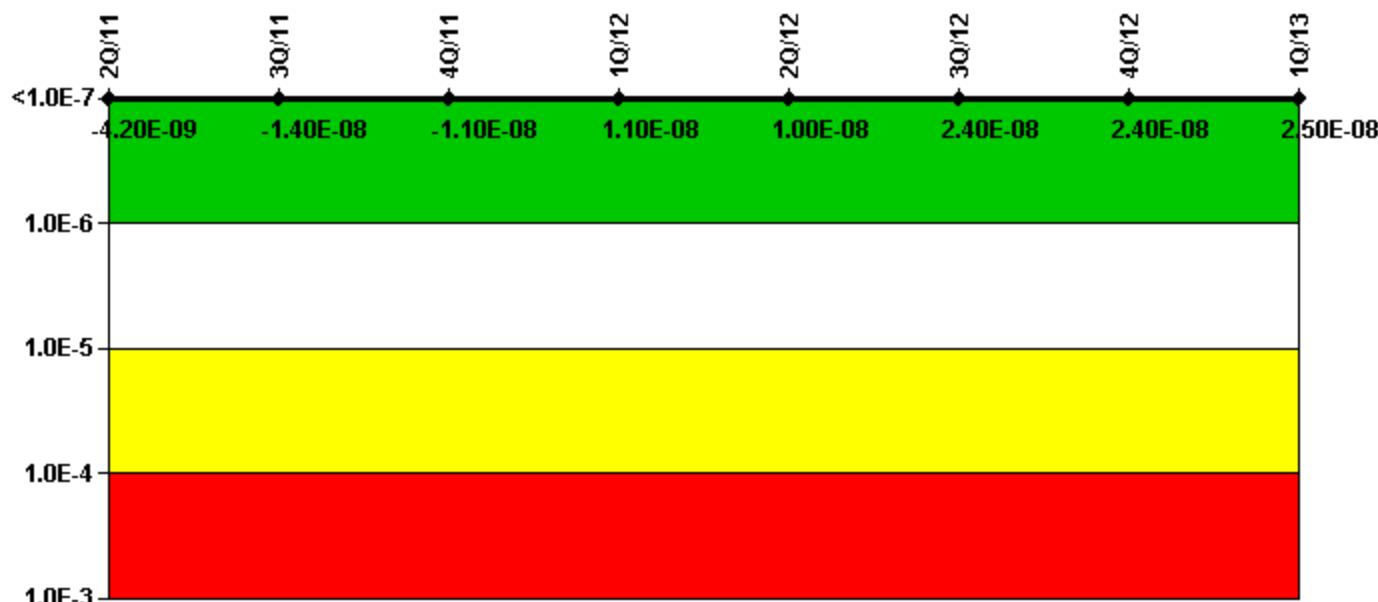
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	1.09E-08	1.01E-08	3.93E-08	4.38E-08	4.17E-08	3.96E-08	4.40E-08	1.01E-08
URI ( $\Delta$ CDF)	-3.93E-08	-3.94E-08	-3.83E-08	-3.97E-08	-4.08E-08	-4.07E-08	-4.07E-08	-3.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-2.80E-08</b>	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



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

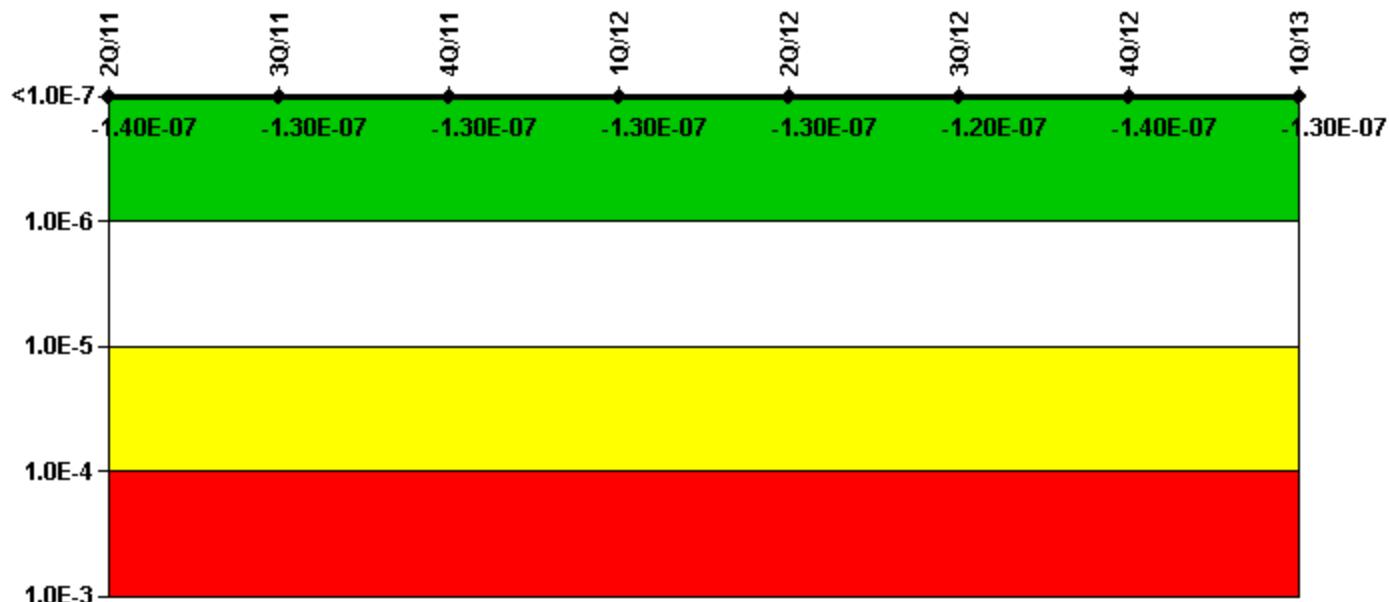
### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	1.03E-08	3.68E-10	1.90E-09	1.09E-08	1.04E-08	2.44E-08	2.52E-08	2.41E-08
URI ( $\Delta$ CDF)	-1.45E-08	-1.44E-08	-1.32E-08	4.01E-11	4.00E-11	-7.96E-10	-7.50E-10	6.17E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-4.20E-09</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>2.50E-08</b>

### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

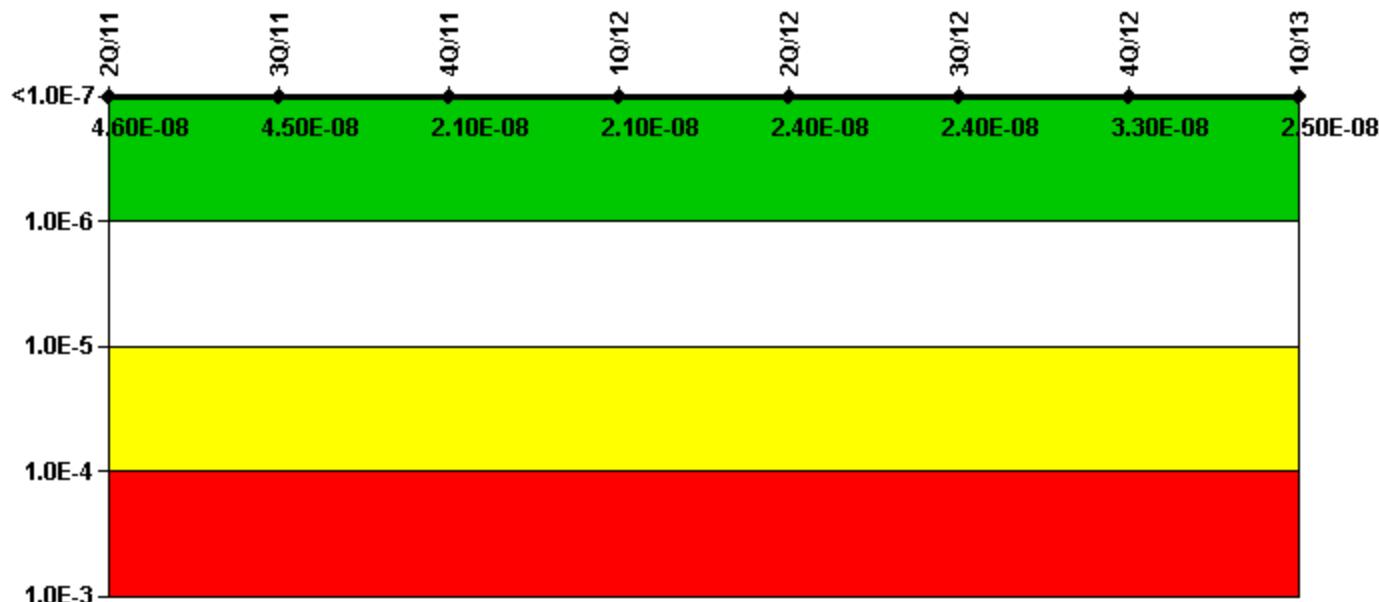
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	-1.88E-08	-9.66E-09	-9.74E-09	-8.28E-09	-8.99E-09	2.58E-09	-1.02E-08	-1.10E-08
URI ( $\Delta$ CDF)	-1.17E-07	-1.17E-07	-1.18E-07	-1.26E-07	-1.20E-07	-1.21E-07	-1.26E-07	-1.23E-07
PLE	NO							
Indicator value	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>

Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

## Mitigating Systems Performance Index, Cooling Water Systems



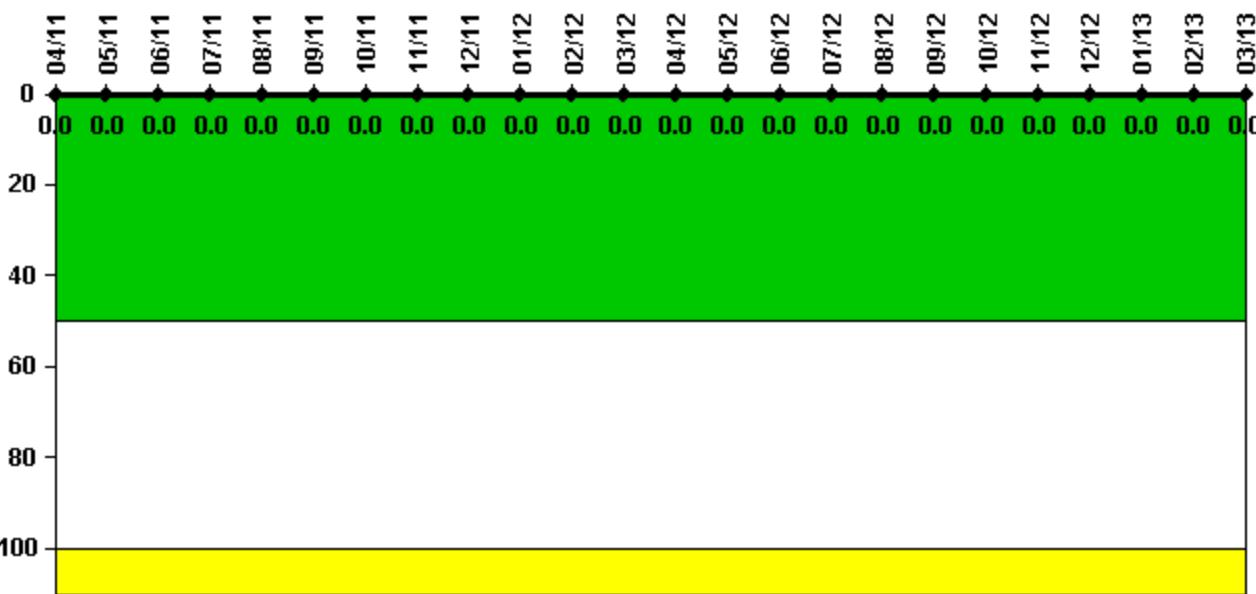
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	1.07E-07	1.07E-07	9.63E-08	1.02E-07	1.02E-07	1.02E-07	1.13E-07	1.05E-07
URI ( $\Delta$ CDF)	-6.13E-08	-6.18E-08	-7.56E-08	-8.14E-08	-7.78E-08	-7.76E-08	-8.03E-08	-8.00E-08
PLE	NO							
<b>Indicator value</b>	<b>4.60E-08</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>3.30E-08</b>	<b>2.50E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



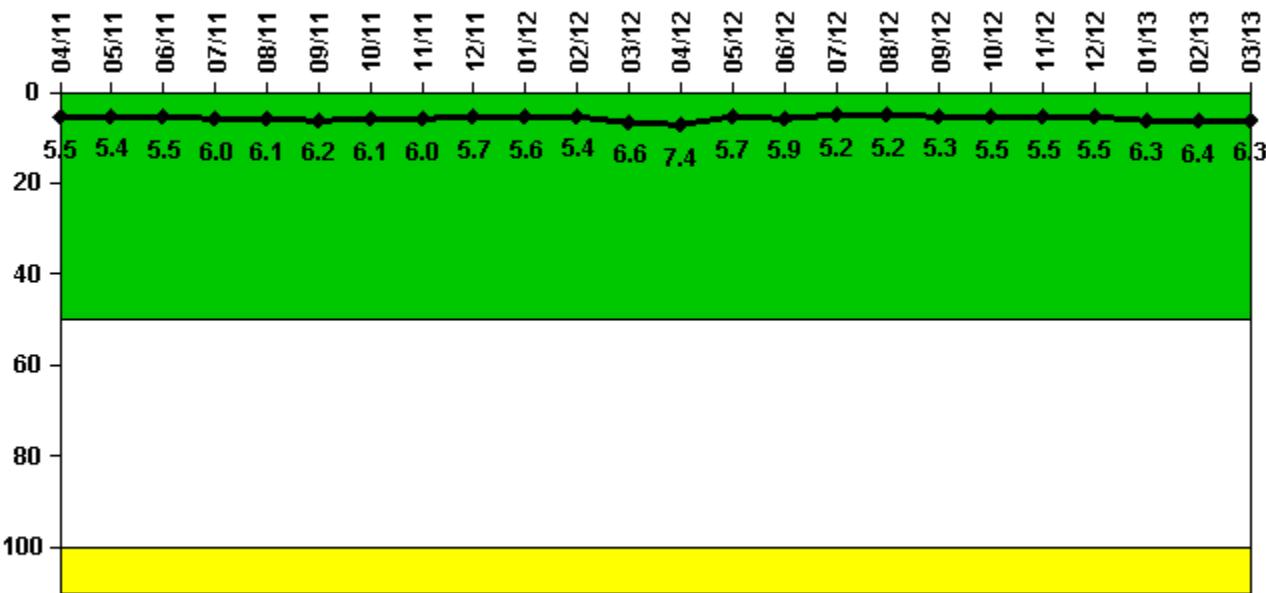
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.000008	0.000011	0.000008	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003
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	0
Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003	0.000006	0.000002	0.000003
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	0

Licensee Comments: none

### Reactor Coolant System Leakage



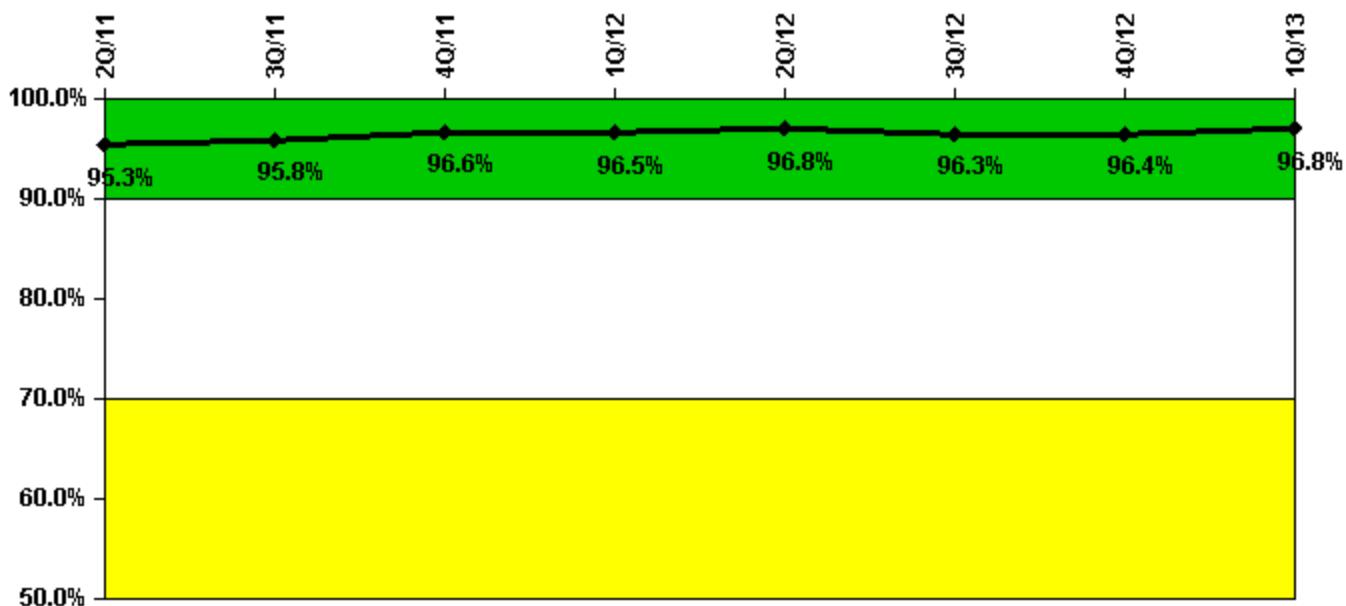
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

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	1.640	1.630	1.640	1.810	1.840	1.870	1.840	1.800	1.710	1.670	1.610	1.980
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.4</b>	<b>5.5</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	2.210	1.700	1.780	1.560	1.550	1.600	1.660	1.650	1.660	1.890	1.910	1.880
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
<b>Indicator value</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>

Licensee Comments: none

### **Drill/Exercise Performance**



**Thresholds:** White < 90.0% Yellow < 70.0%

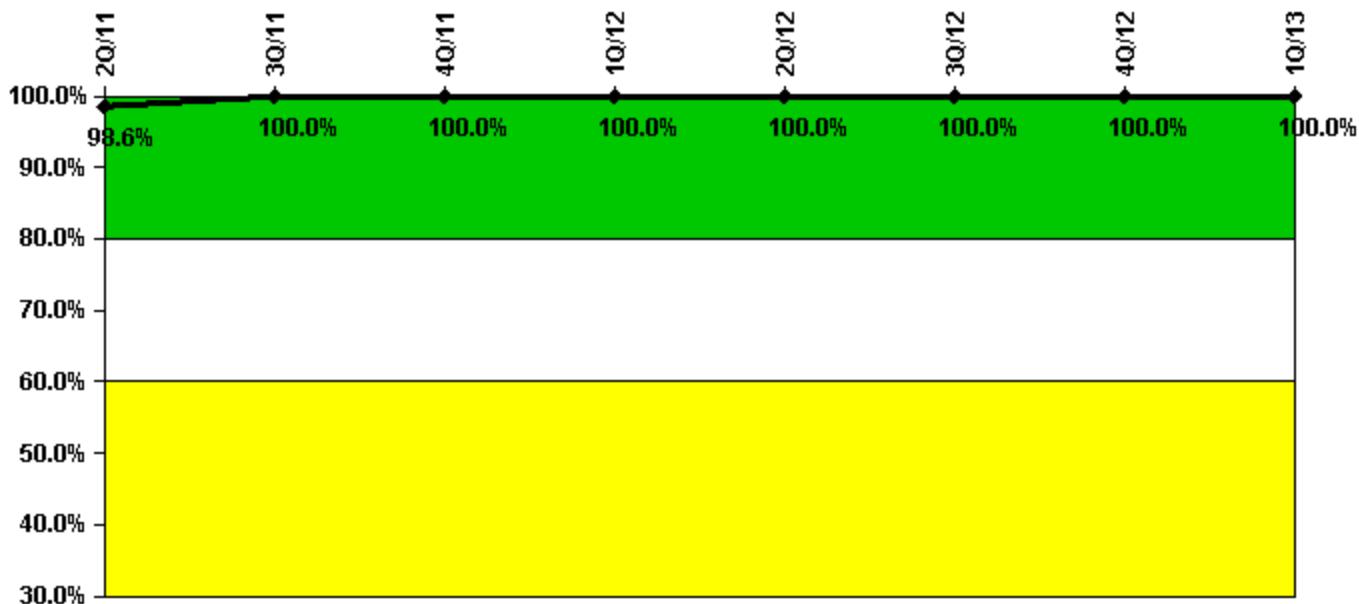
#### **Notes**

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	30.0	27.0	20.0	10.0	70.0	61.0	14.0	40.0
Total opportunities	32.0	27.0	21.0	10.0	72.0	65.0	14.0	40.0
<b>Indicator value</b>	<b>95.3%</b>	<b>95.8%</b>	<b>96.6%</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.3%</b>	<b>96.4%</b>	<b>96.8%</b>

#### 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.

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>
Participating Key personnel	141.0	145.0	150.0	150.0	149.0	134.0	130.0	110.0
Total Key personnel	143.0	145.0	150.0	150.0	149.0	134.0	130.0	110.0
<b>Indicator value</b>	<b>98.6%</b>	<b>100.0%</b>						

#### Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO Particiaption 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**

<b>Alert &amp; Notification System</b>	<b>2Q/11</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

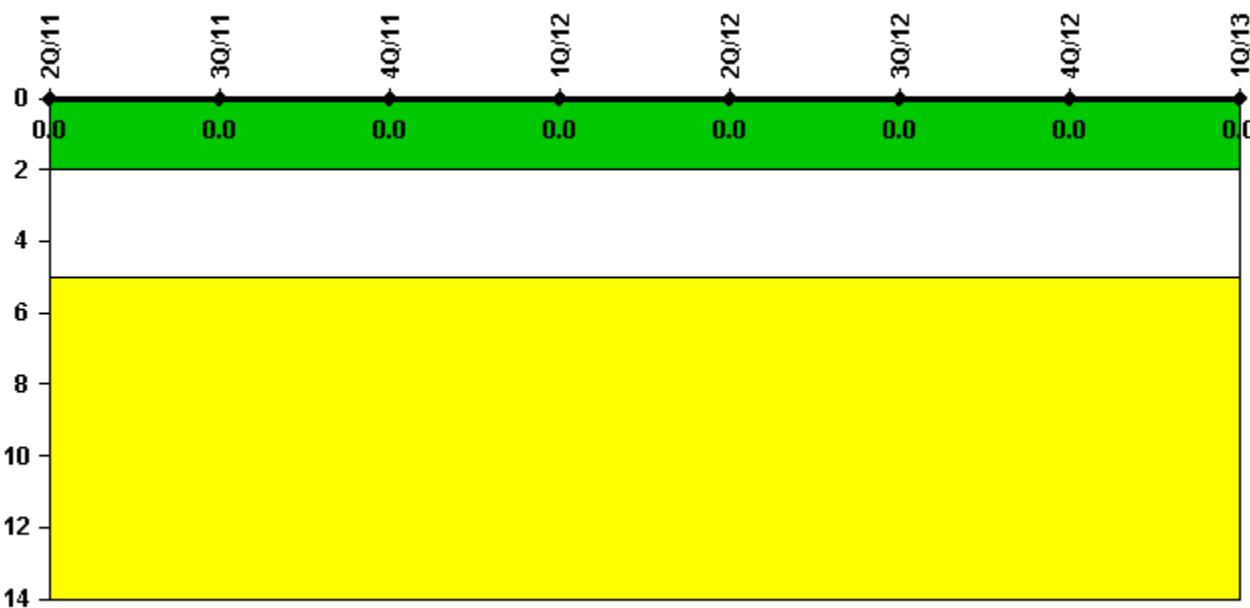
1Q/12: Plant Hatch does not use sirens as an emergency notification system.

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.

### Occupational Exposure Control Effectiveness

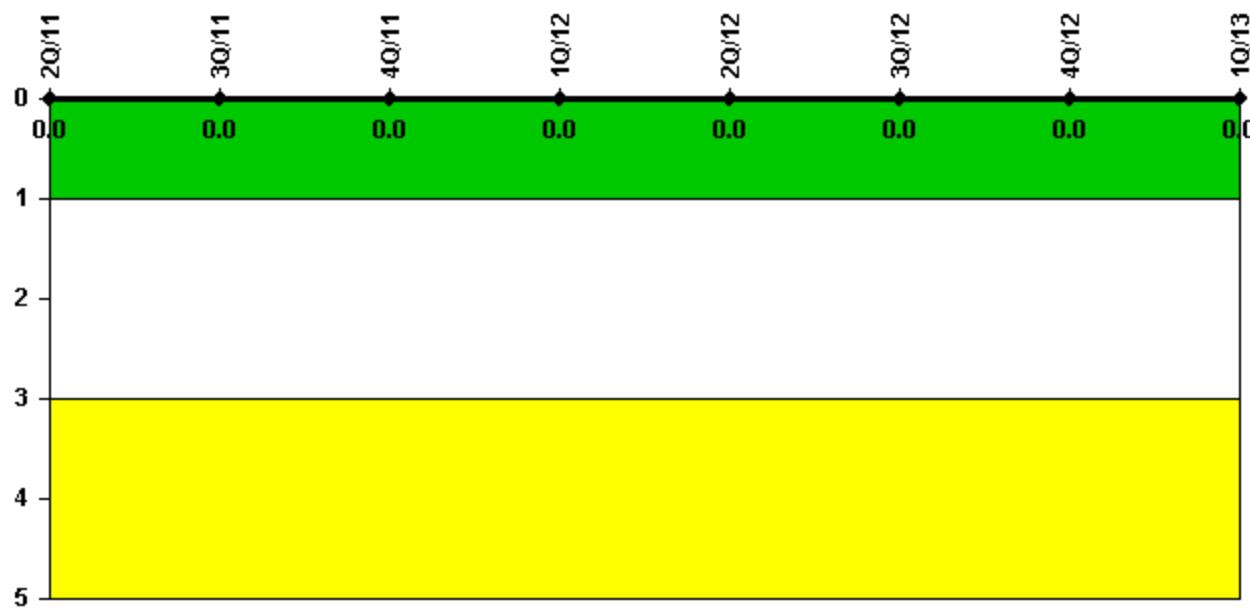


#### Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

---

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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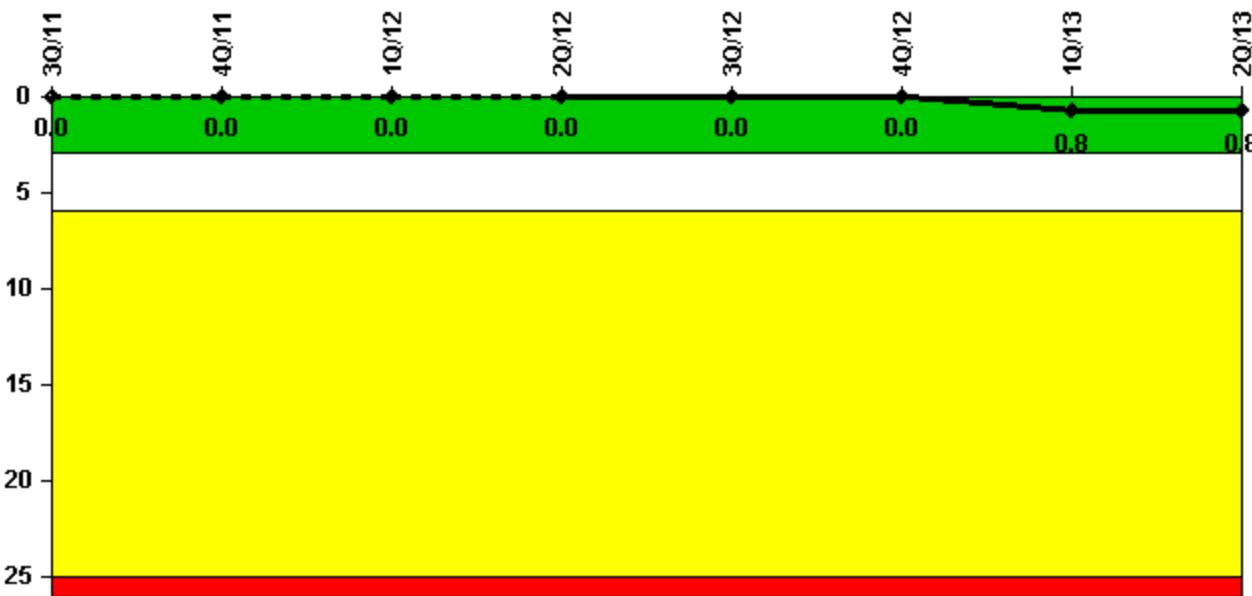
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2013*

**Hatch 1****2Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

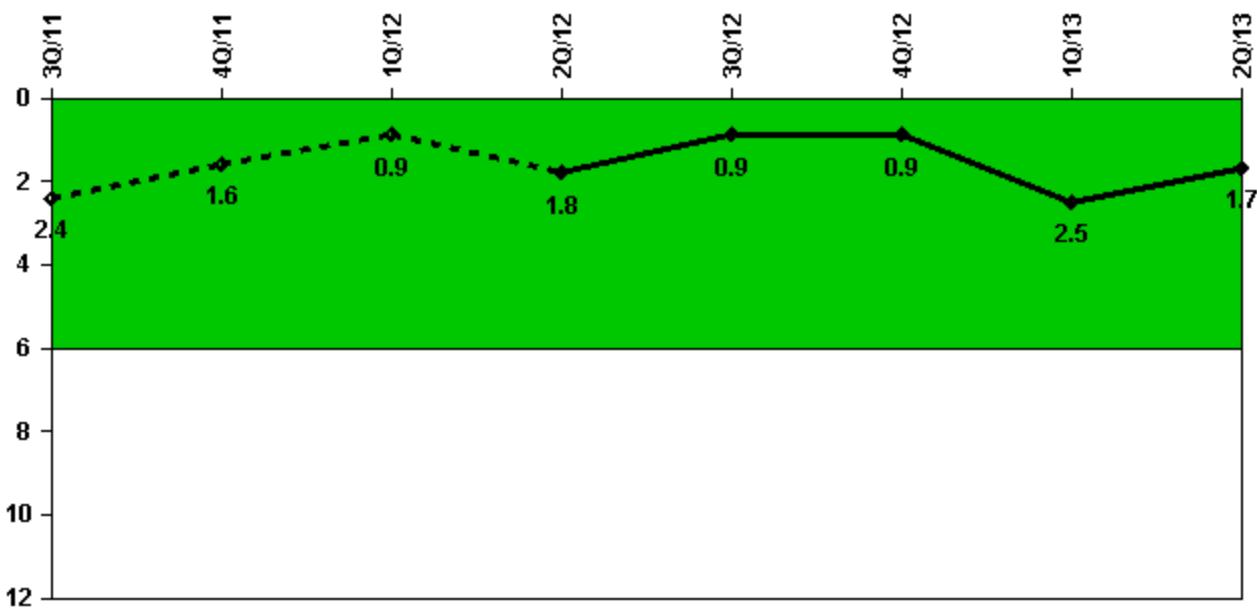
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



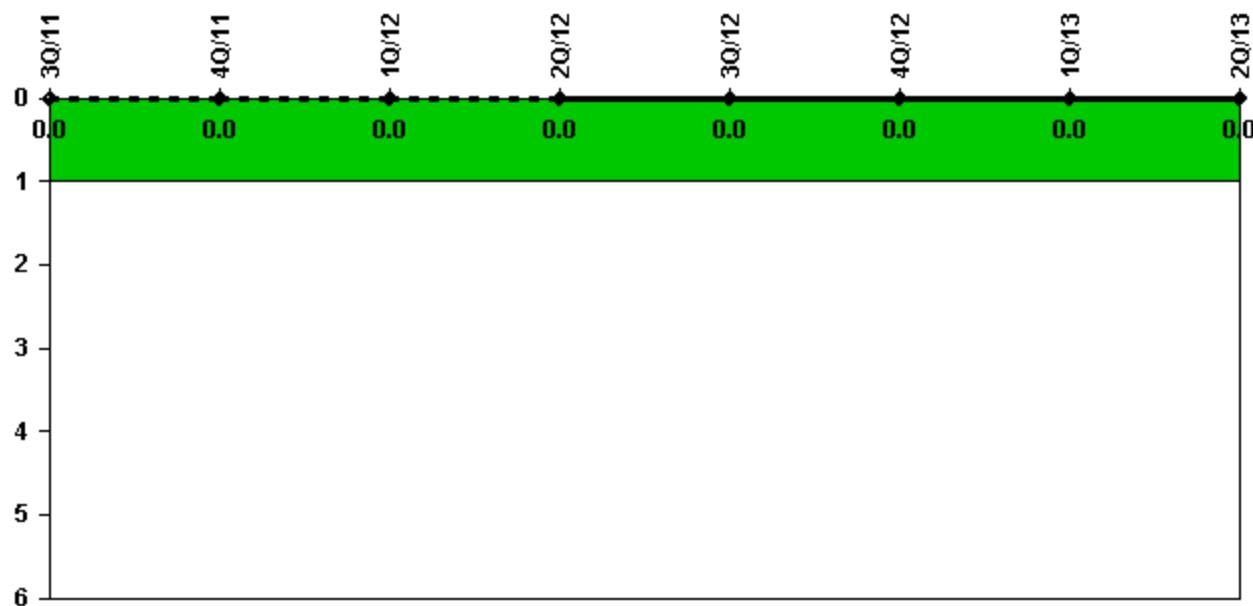
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	1.0	0	0	1.0	0	0	2.0	0
Critical hours	2208.0	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0
<b>Indicator value</b>	<b>2.4</b>	<b>1.6</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

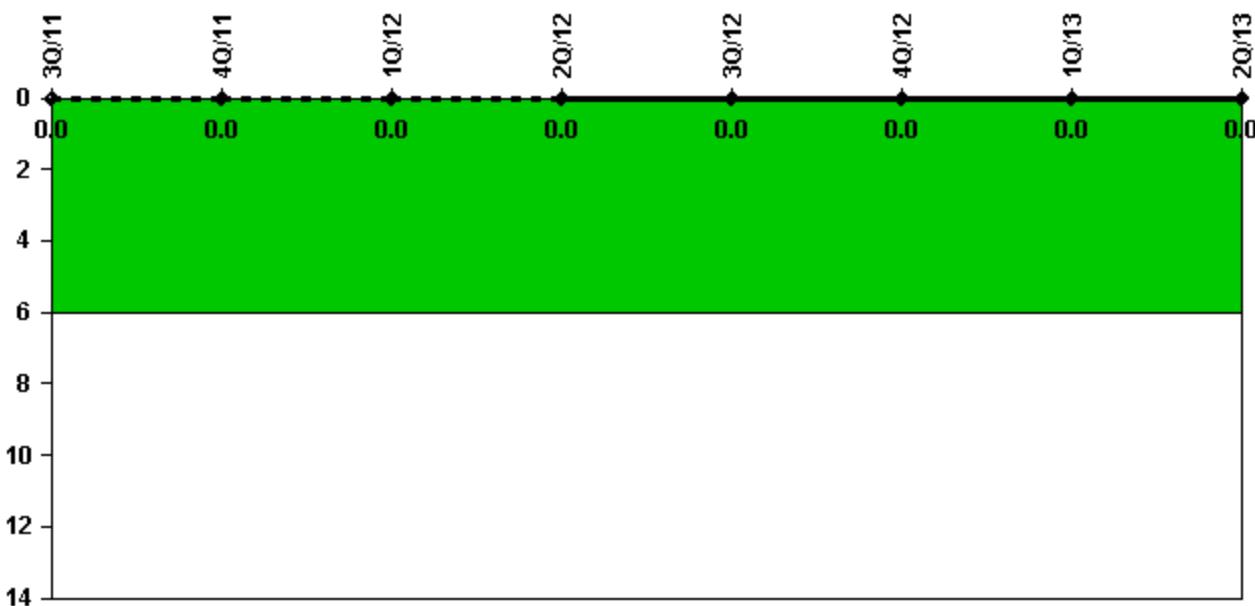
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

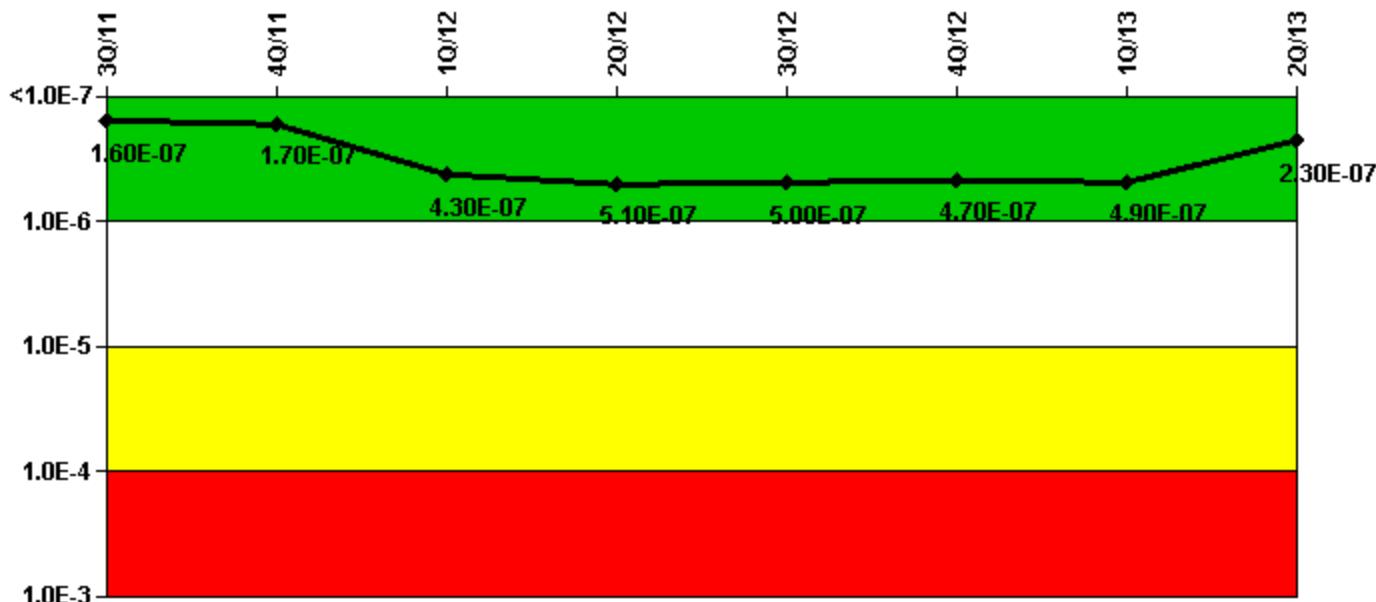
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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

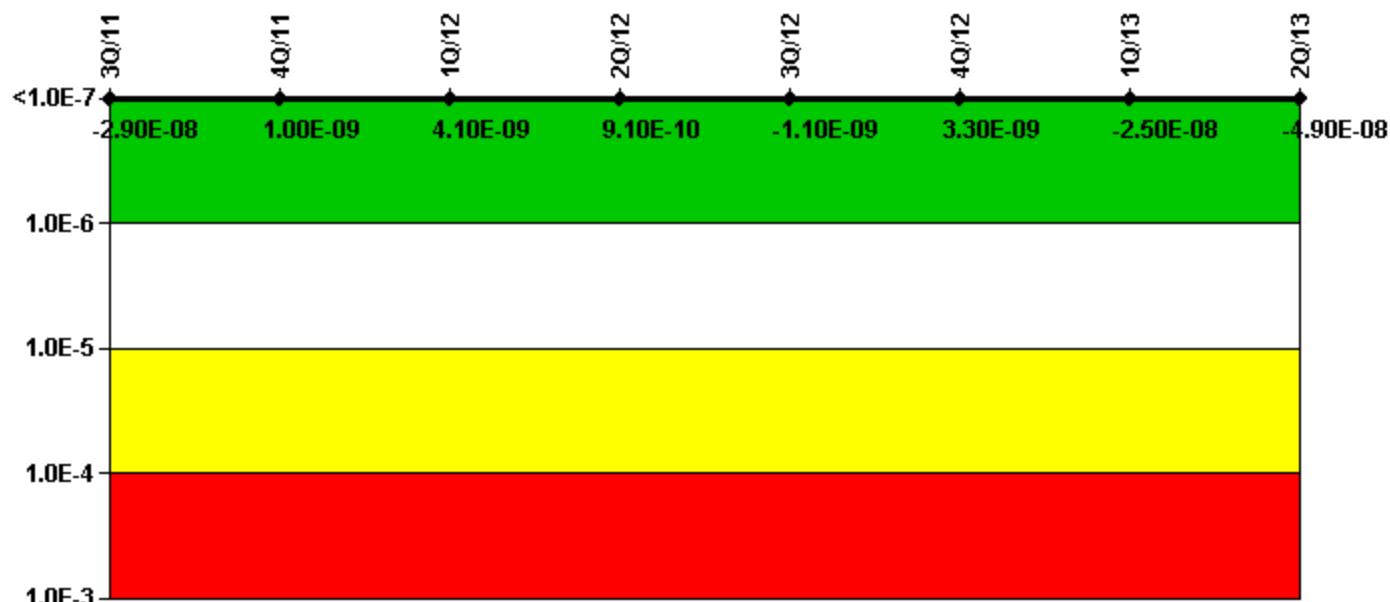
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	8.23E-08	8.15E-08	1.43E-07	2.28E-07	2.02E-07	1.68E-07	1.69E-07	9.72E-08
URI ( $\Delta$ CDF)	7.94E-08	8.61E-08	2.85E-07	2.86E-07	2.94E-07	2.98E-07	3.19E-07	1.34E-07
PLE	NO							
<b>Indicator value</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>

### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

## Mitigating Systems Performance Index, High Pressure Injection System



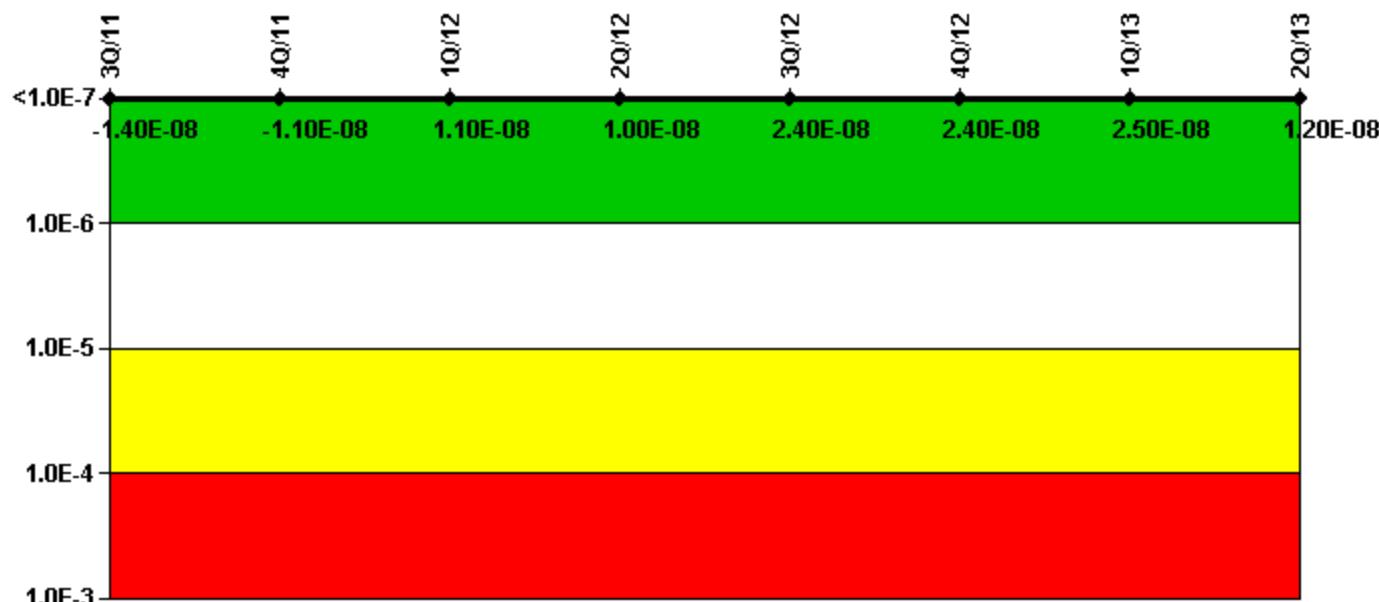
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.01E-08	3.93E-08	4.38E-08	4.17E-08	3.96E-08	4.40E-08	1.01E-08	-1.75E-08
URI ( $\Delta$ CDF)	-3.94E-08	-3.83E-08	-3.97E-08	-4.08E-08	-4.07E-08	-4.07E-08	-3.55E-08	-3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.90E-08</b>	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



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

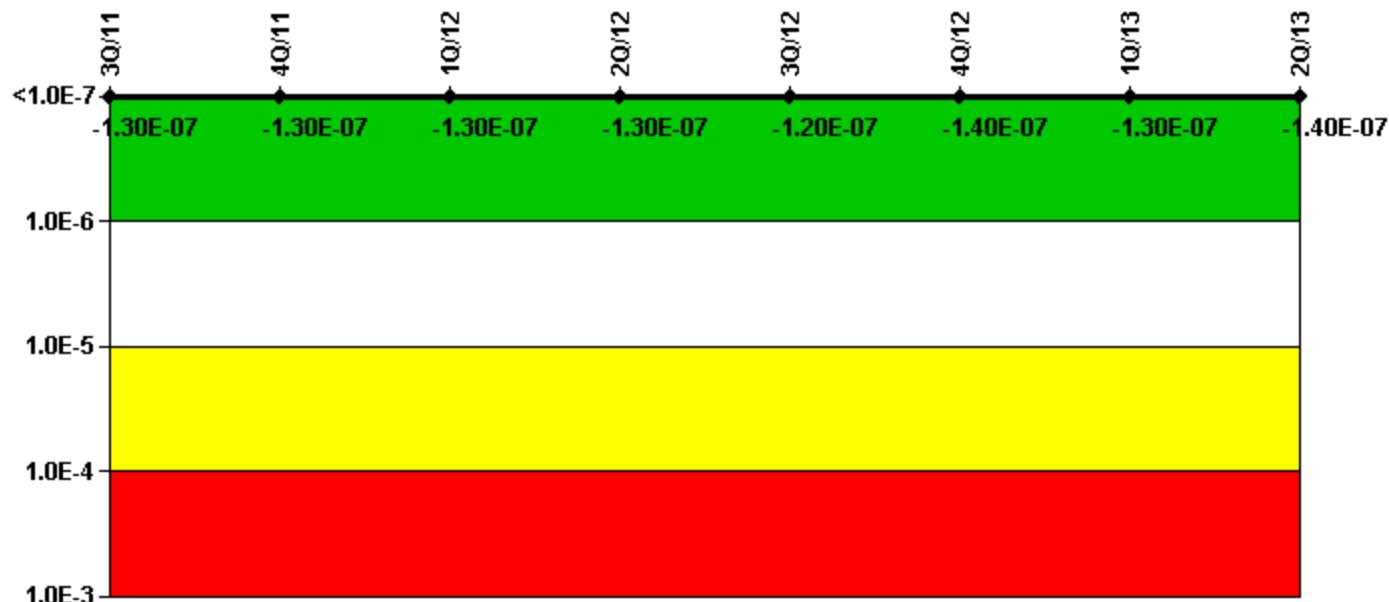
### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	3.68E-10	1.90E-09	1.09E-08	1.04E-08	2.44E-08	2.52E-08	2.41E-08	1.04E-08
URI ( $\Delta$ CDF)	-1.44E-08	-1.32E-08	4.01E-11	4.00E-11	-7.96E-10	-7.50E-10	6.17E-10	1.48E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.40E-08</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>2.50E-08</b>	<b>1.20E-08</b>

### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

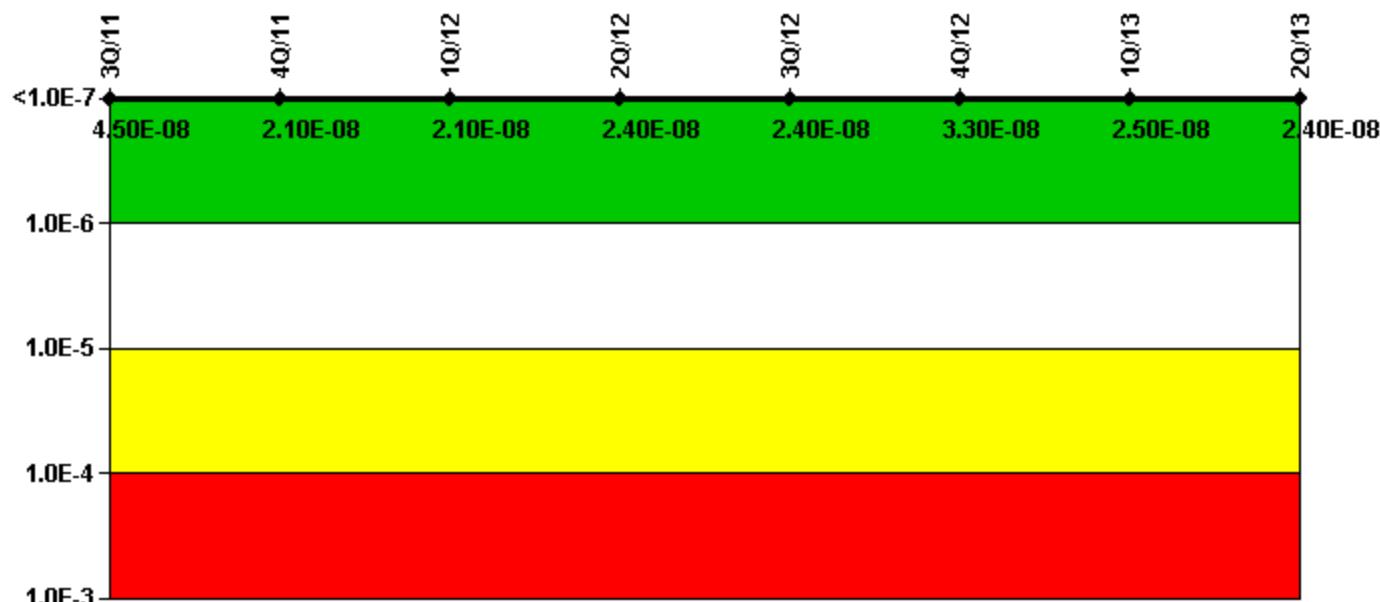
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	-9.66E-09	-9.74E-09	-8.28E-09	-8.99E-09	2.58E-09	-1.02E-08	-1.10E-08	-1.88E-08
URI ( $\Delta$ CDF)	-1.17E-07	-1.18E-07	-1.26E-07	-1.20E-07	-1.21E-07	-1.26E-07	-1.23E-07	-1.20E-07
PLE	NO							
Indicator value	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>

### Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

## Mitigating Systems Performance Index, Cooling Water Systems



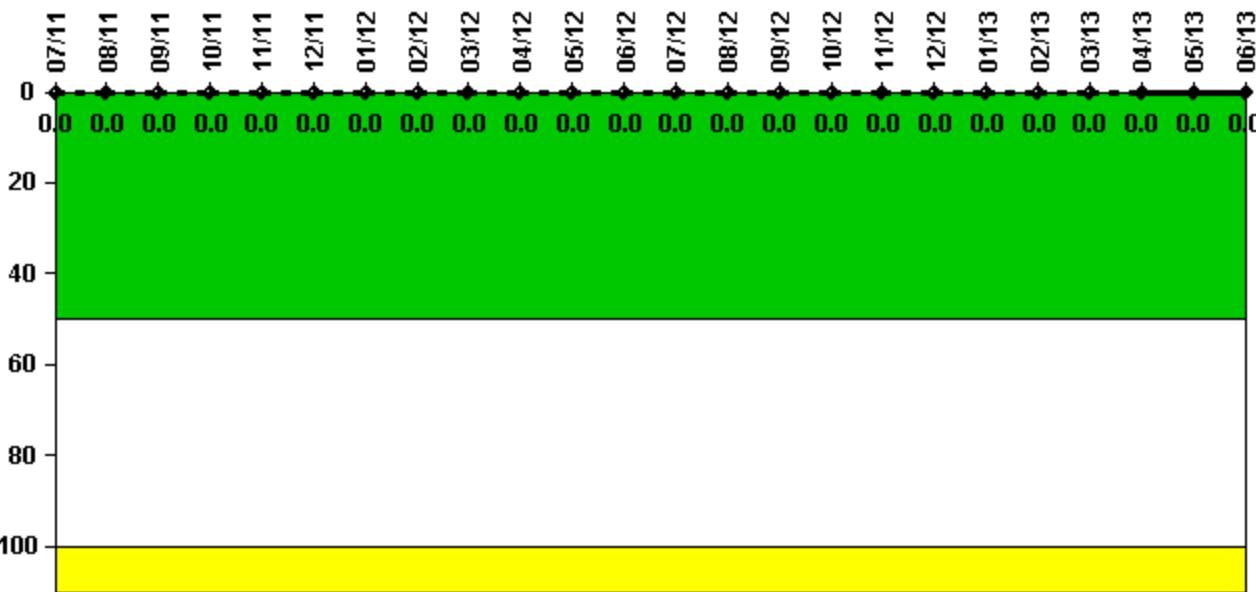
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.07E-07	9.63E-08	1.02E-07	1.02E-07	1.02E-07	1.13E-07	1.05E-07	1.05E-07
URI ( $\Delta$ CDF)	-6.18E-08	-7.56E-08	-8.14E-08	-7.78E-08	-7.76E-08	-8.03E-08	-8.00E-08	-8.08E-08
PLE	NO							
<b>Indicator value</b>	<b>4.50E-08</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>3.30E-08</b>	<b>2.50E-08</b>	<b>2.40E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

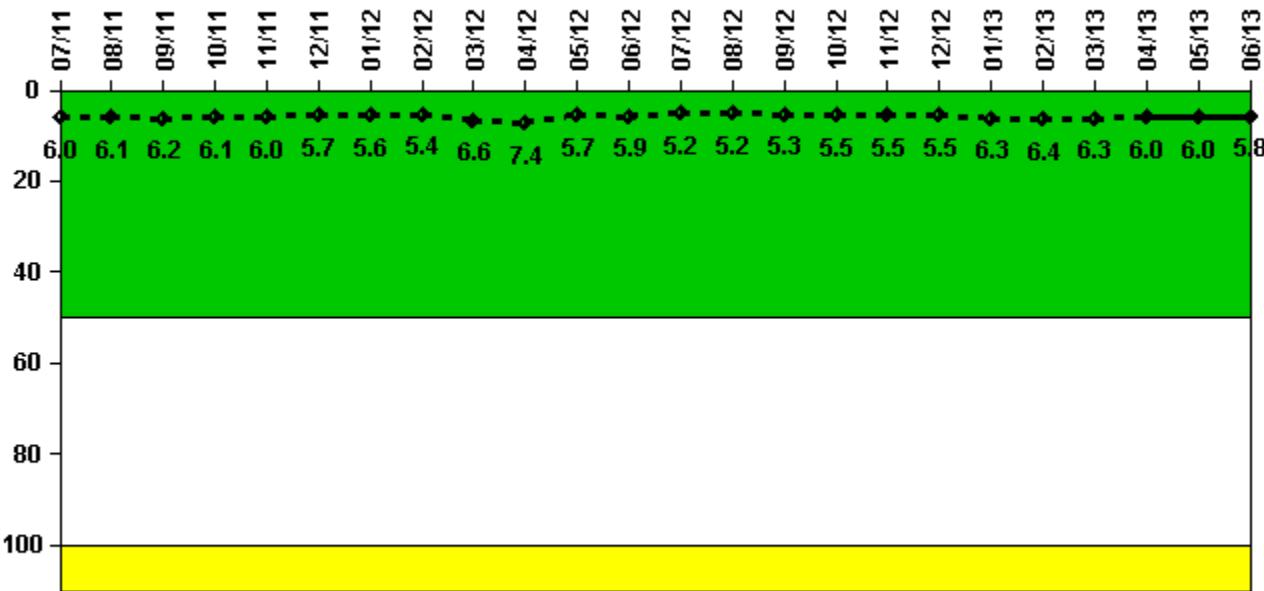
Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000007	0.000010	0.000007	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003	0.000006	0.000002	0.000003	0.000004	0.000006	0.000007
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



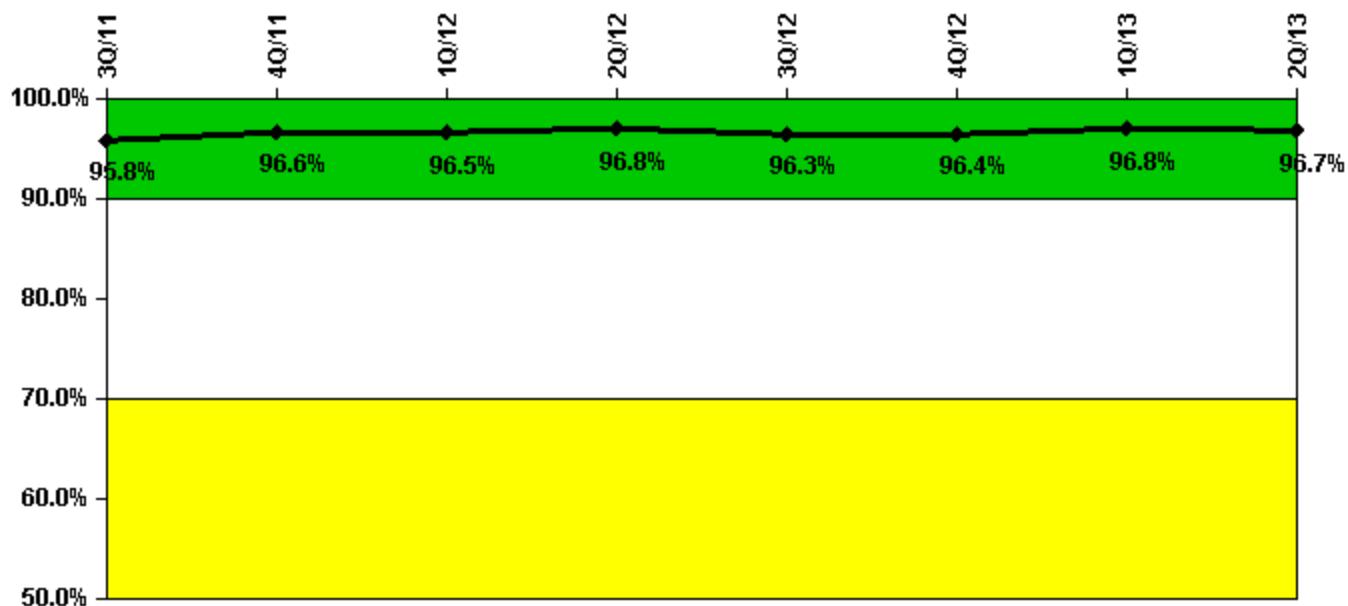
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	1.810	1.840	1.870	1.840	1.800	1.710	1.670	1.610	1.980	2.210	1.700	1.780
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
<b>Indicator value</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>
Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	1.560	1.550	1.600	1.660	1.650	1.660	1.890	1.910	1.880	1.810	1.800	1.730
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
<b>Indicator value</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>

Licensee Comments: none

### **Drill/Exercise Performance**



Thresholds: White < 90.0% Yellow < 70.0%

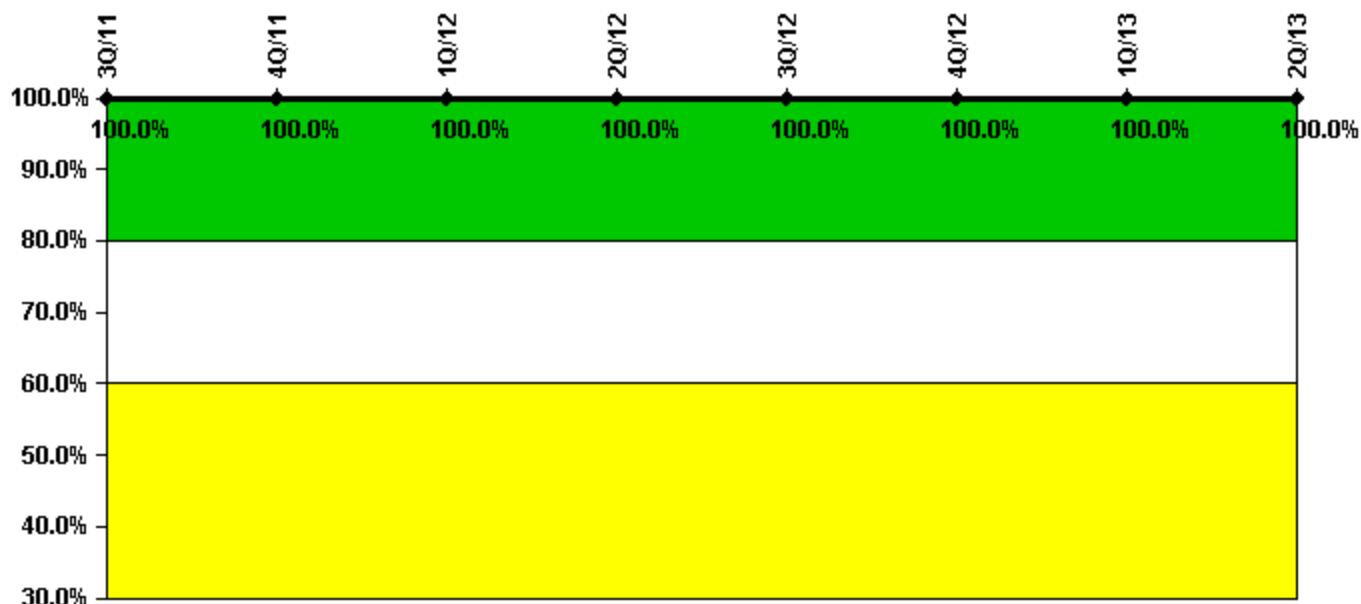
#### **Notes**

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	27.0	20.0	10.0	70.0	61.0	14.0	40.0	51.0
Total opportunities	27.0	21.0	10.0	72.0	65.0	14.0	40.0	54.0
<b>Indicator value</b>	<b>95.8%</b>	<b>96.6%</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.3%</b>	<b>96.4%</b>	<b>96.8%</b>	<b>96.7%</b>

#### 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.

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>
Participating Key personnel	145.0	150.0	150.0	149.0	134.0	130.0	110.0	112.0
Total Key personnel	145.0	150.0	150.0	149.0	134.0	130.0	110.0	112.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

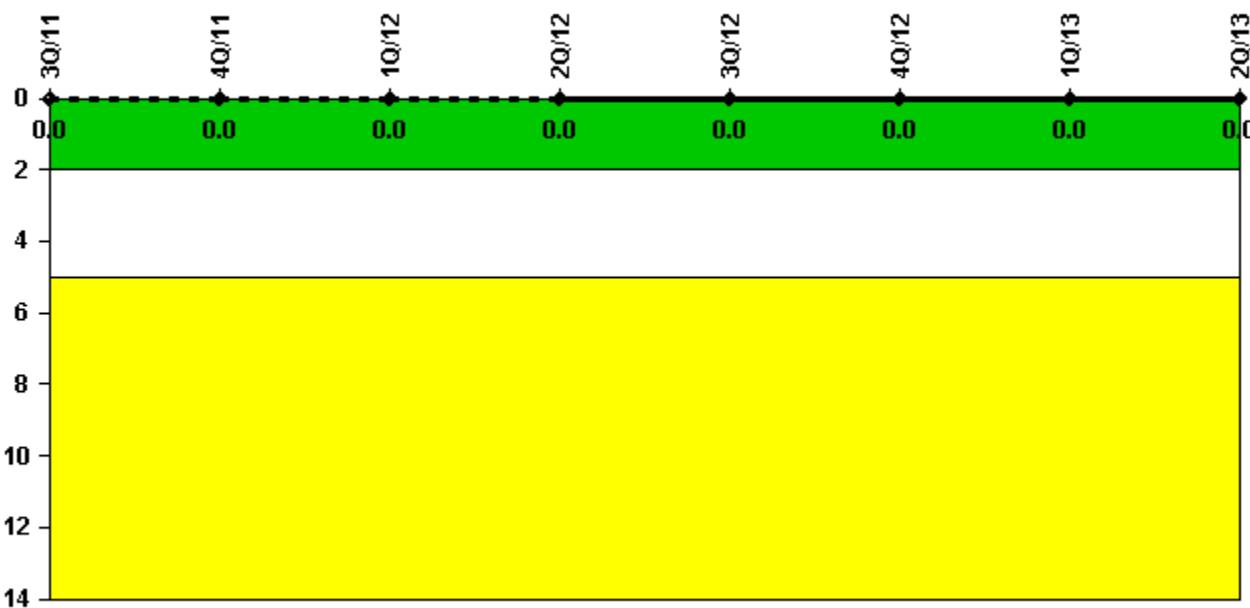
2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

### Occupational Exposure Control Effectiveness



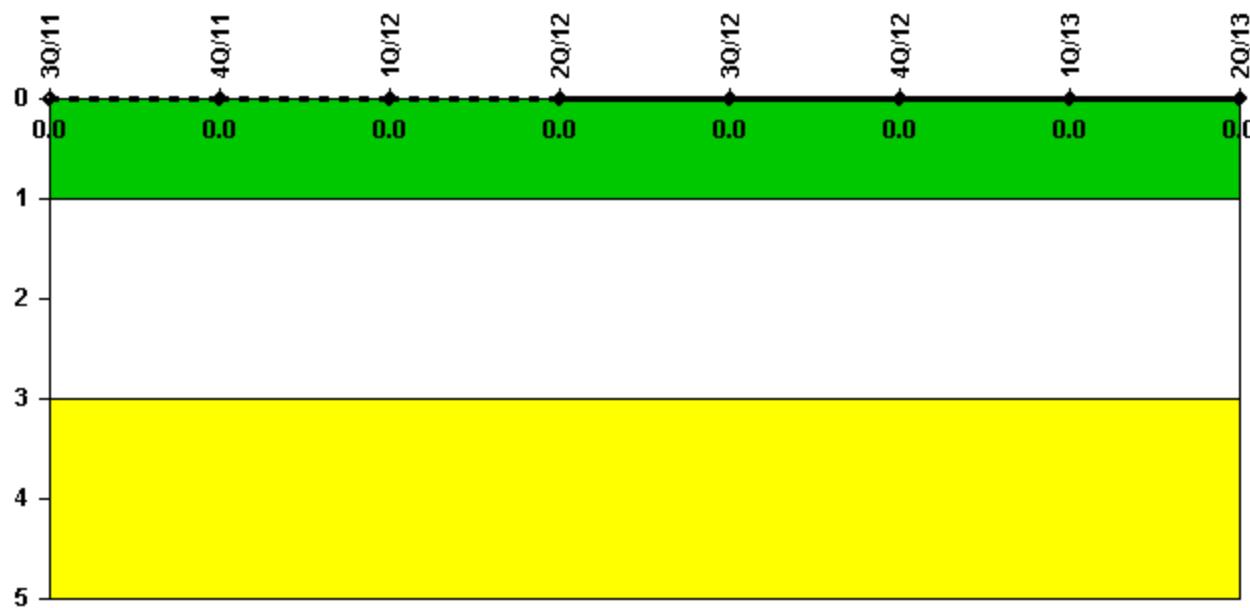
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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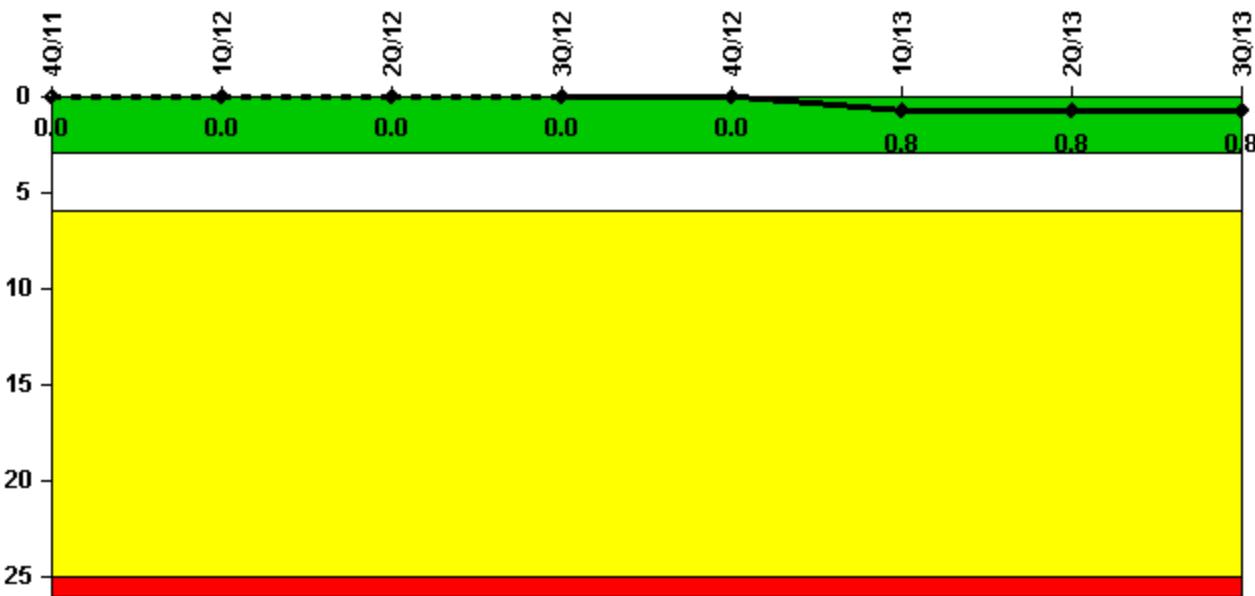
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: August 19, 2013*

**Hatch 1****3Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

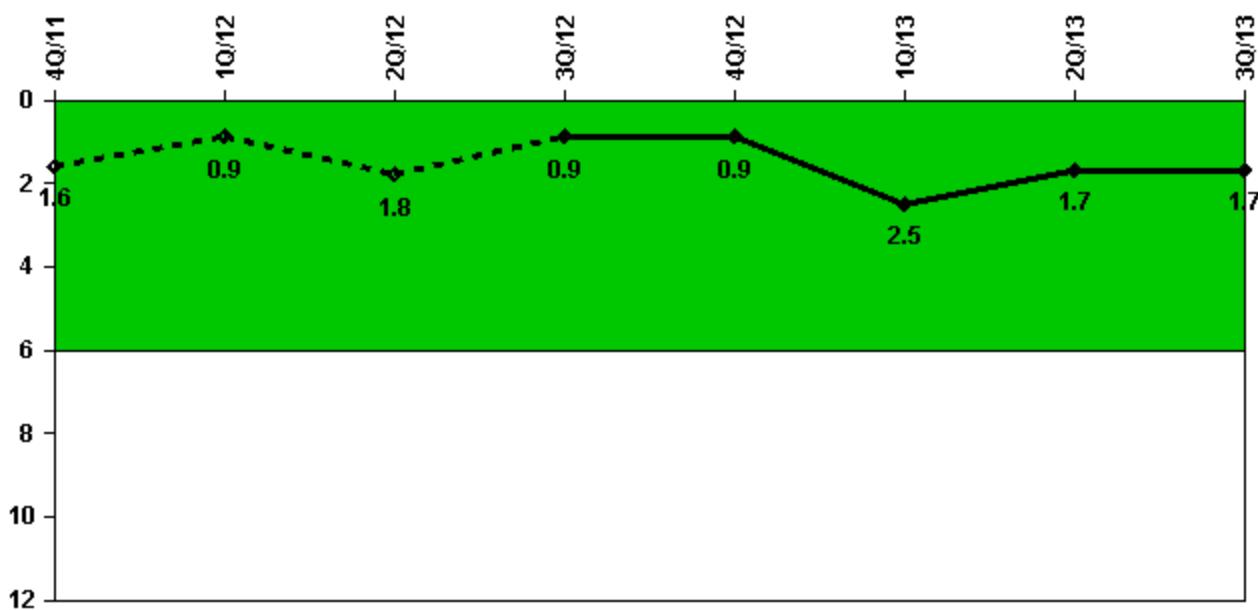
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



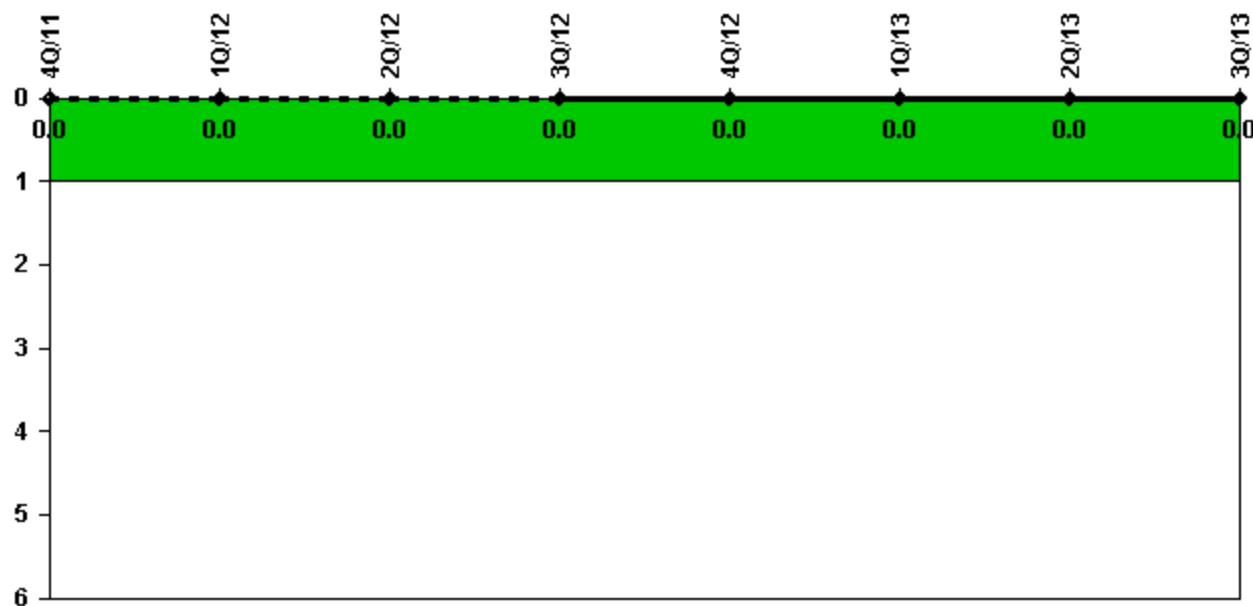
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	1.0	0	0	2.0	0	0
Critical hours	2209.0	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0
<b>Indicator value</b>	<b>1.6</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

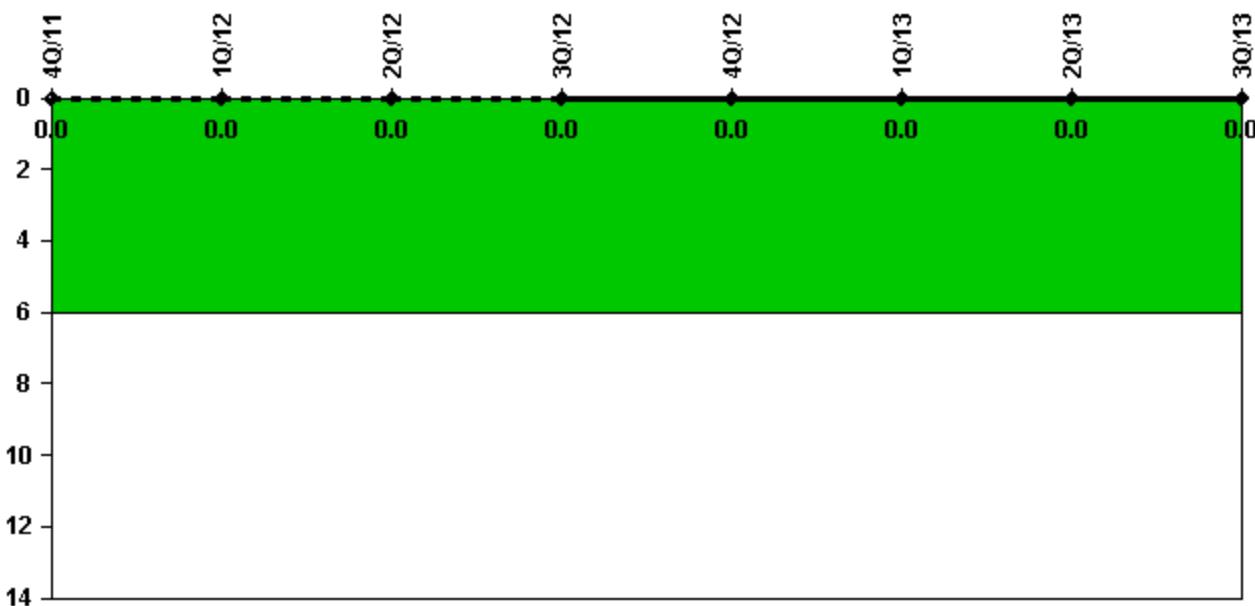
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

---

### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

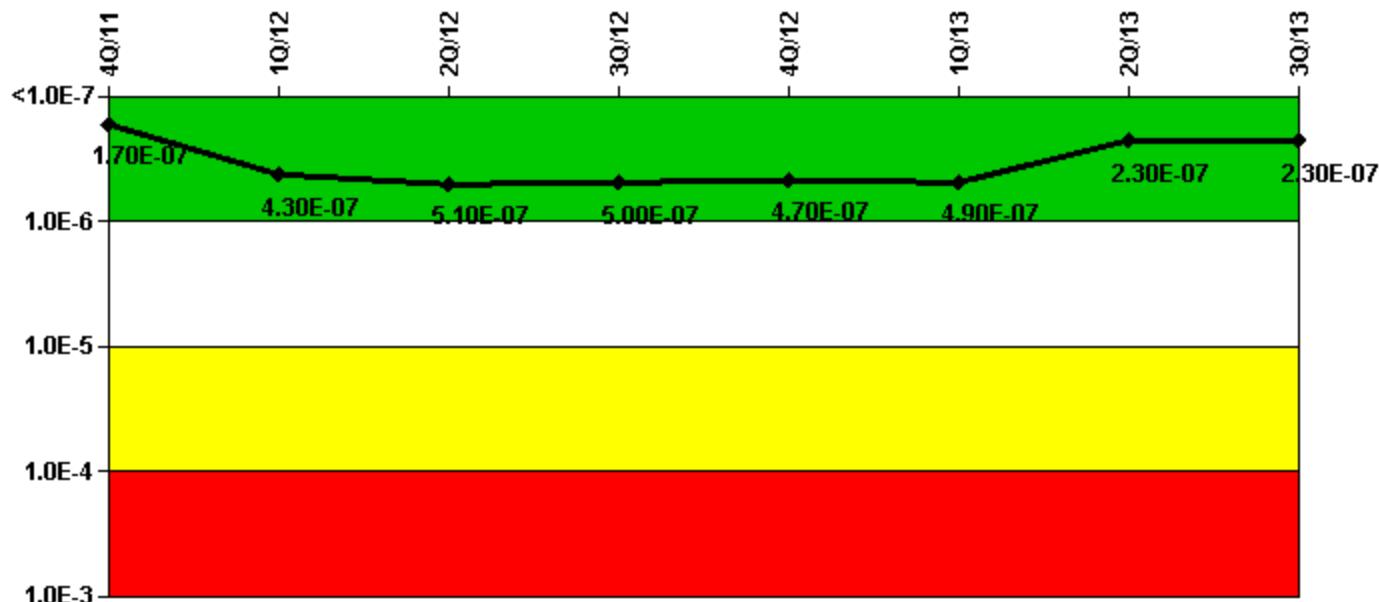
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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

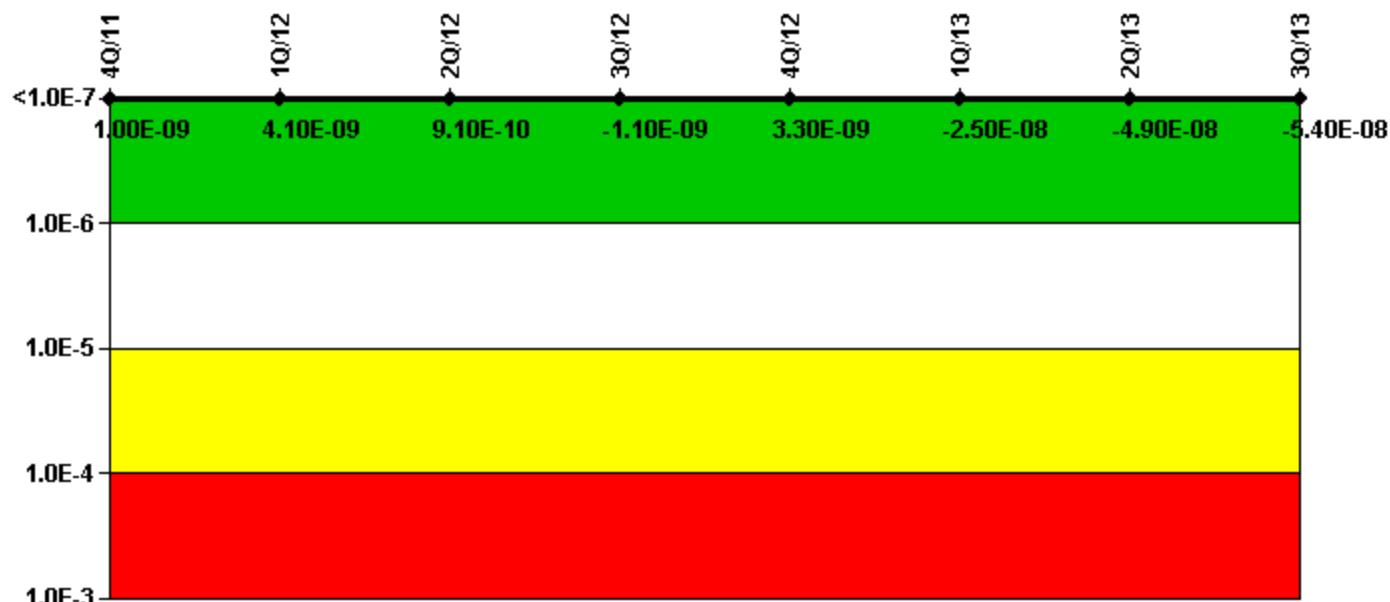
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	8.15E-08	1.43E-07	2.28E-07	2.02E-07	1.68E-07	1.69E-07	9.72E-08	8.68E-08
URI ( $\Delta$ CDF)	8.61E-08	2.85E-07	2.86E-07	2.94E-07	2.98E-07	3.19E-07	1.34E-07	1.46E-07
PLE	NO							
<b>Indicator value</b>	<b>1.70E-07</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>

### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

## 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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	3.93E-08	4.38E-08	4.17E-08	3.96E-08	4.40E-08	1.01E-08	-1.75E-08	-2.24E-08
URI ( $\Delta$ CDF)	-3.83E-08	-3.97E-08	-4.08E-08	-4.07E-08	-4.07E-08	-3.55E-08	-3.14E-08	-3.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>1.00E-09</b>	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



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

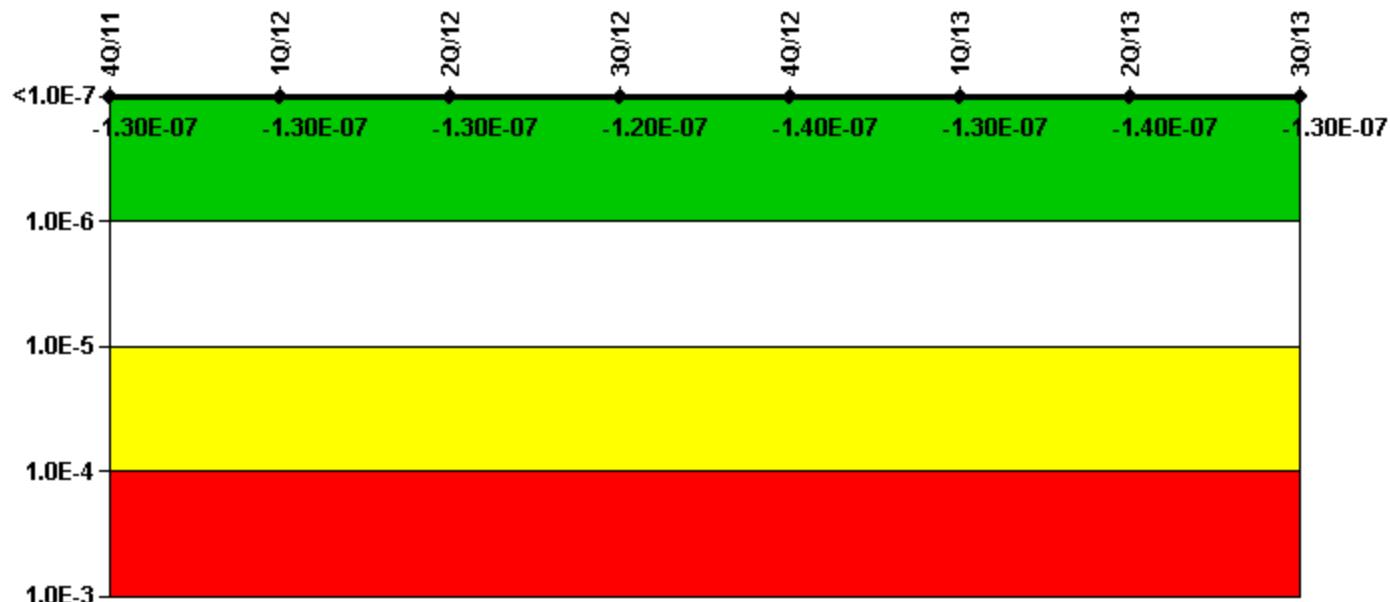
### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	1.90E-09	1.09E-08	1.04E-08	2.44E-08	2.52E-08	2.41E-08	1.04E-08	1.03E-08
URI ( $\Delta$ CDF)	-1.32E-08	4.01E-11	4.00E-11	-7.96E-10	-7.50E-10	6.17E-10	1.48E-09	1.53E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.10E-08</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>2.50E-08</b>	<b>1.20E-08</b>	<b>1.20E-08</b>

### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

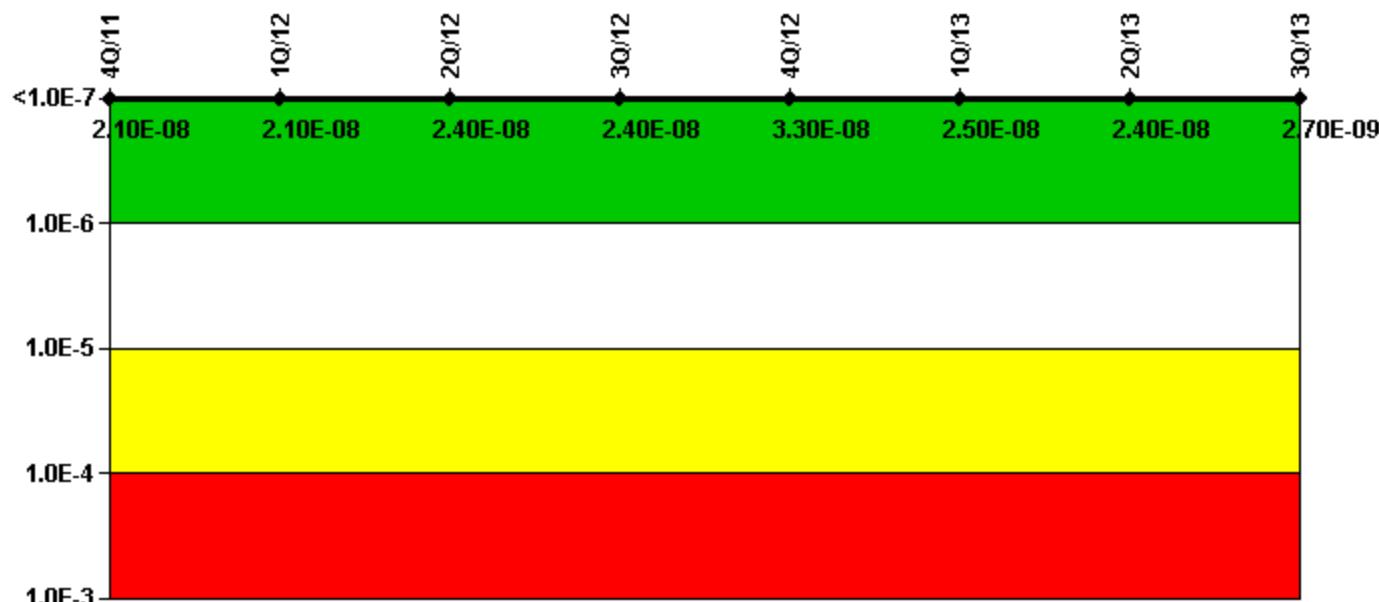
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	-9.74E-09	-8.28E-09	-8.99E-09	2.58E-09	-1.02E-08	-1.10E-08	-1.88E-08	-4.08E-09
URI ( $\Delta$ CDF)	-1.18E-07	-1.26E-07	-1.20E-07	-1.21E-07	-1.26E-07	-1.23E-07	-1.20E-07	-1.23E-07
PLE	NO							
Indicator value	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>

### Licensee Comments:

4Q/11: Unplanned unavailability hours were changed due to the investigation of the hours. Previously hours showed up as unplanned, but were determined that unavailability hours were actually planned.

## Mitigating Systems Performance Index, Cooling Water Systems



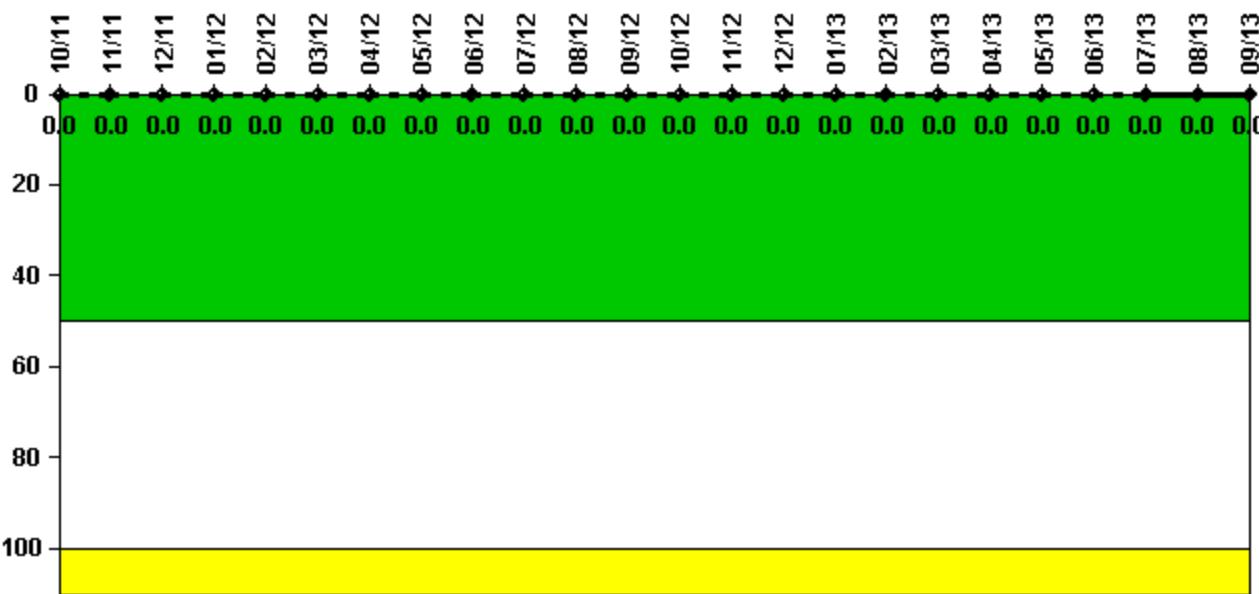
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	9.63E-08	1.02E-07	1.02E-07	1.02E-07	1.13E-07	1.05E-07	1.05E-07	8.50E-08
URI ( $\Delta$ CDF)	-7.56E-08	-8.14E-08	-7.78E-08	-7.76E-08	-8.03E-08	-8.00E-08	-8.08E-08	-8.22E-08
PLE	NO							
<b>Indicator value</b>	<b>2.10E-08</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>3.30E-08</b>	<b>2.50E-08</b>	<b>2.40E-08</b>	<b>2.70E-09</b>

Licensee Comments: none

## Reactor Coolant System Activity



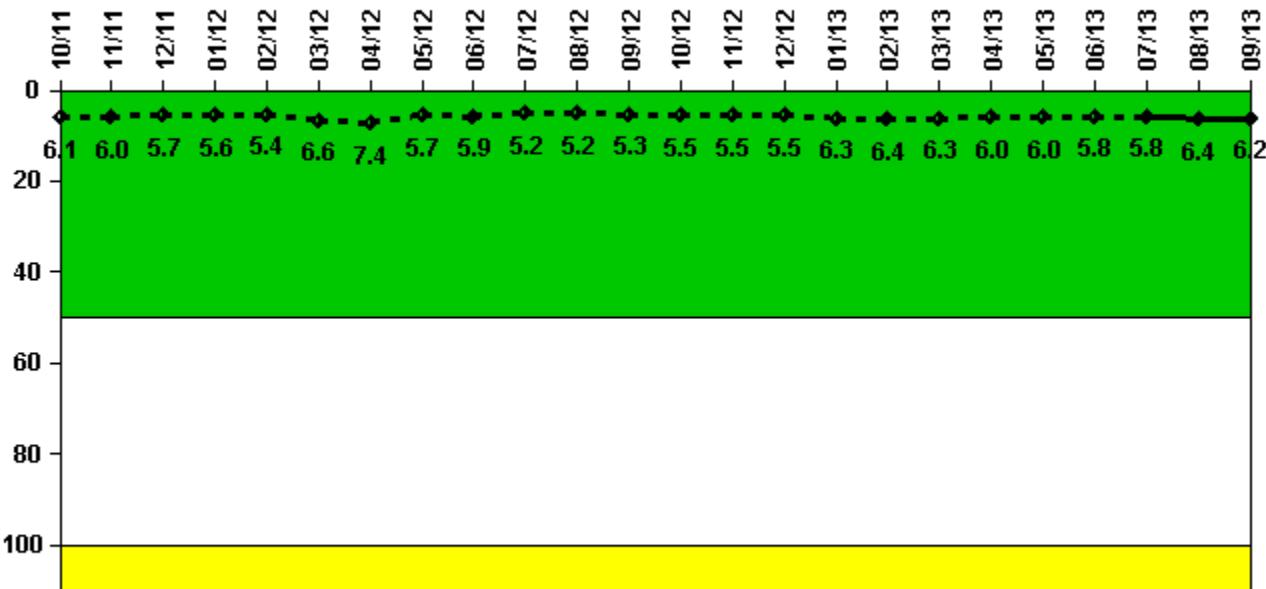
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000007	0.000006	0.000007	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009
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	0
Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000003	0.000003	0.000003	0.000006	0.000002	0.000003	0.000004	0.000006	0.000007	0.000010	0.000020	0.000010
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



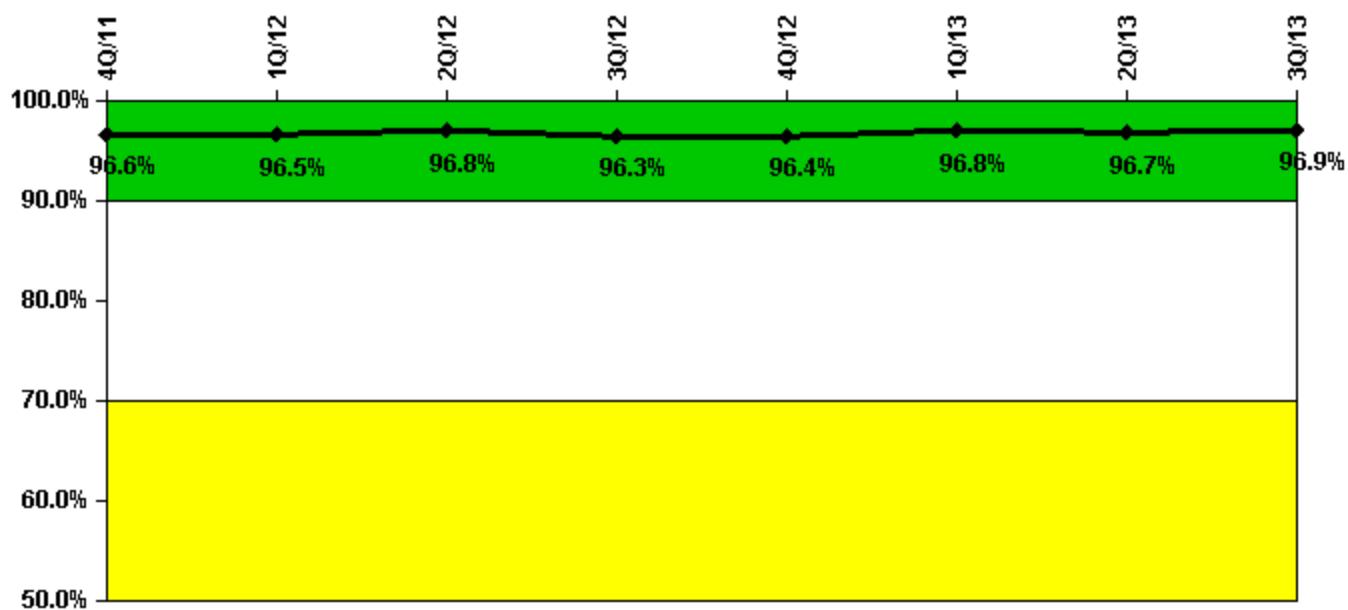
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	1.840	1.800	1.710	1.670	1.610	1.980	2.210	1.700	1.780	1.560	1.550	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
<b>Indicator value</b>	<b>6.1</b>	<b>6.0</b>	<b>5.7</b>	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	1.660	1.650	1.660	1.890	1.910	1.880	1.810	1.800	1.730	1.740	1.910	1.850
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>

Licensee Comments: none

### Drill/Exercise Performance



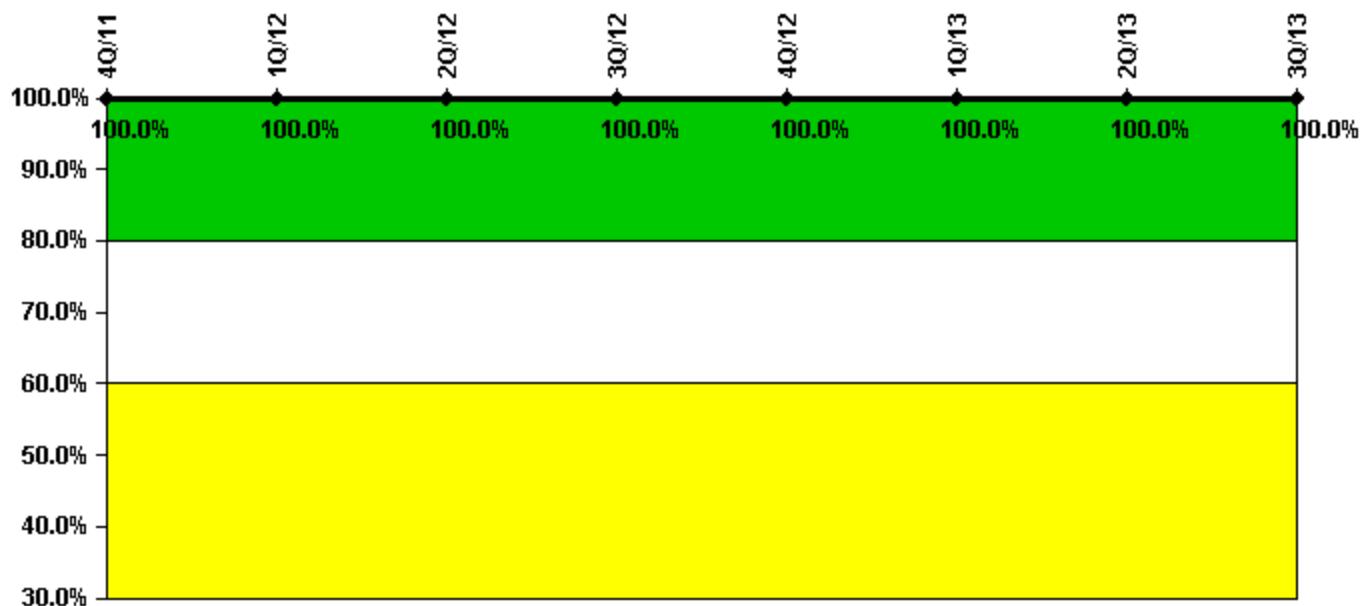
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	20.0	10.0	70.0	61.0	14.0	40.0	51.0	42.0
Total opportunities	21.0	10.0	72.0	65.0	14.0	40.0	54.0	42.0
Indicator value	96.6%	96.5%	96.8%	96.3%	96.4%	96.8%	96.7%	96.9%

Licensee Comments: none

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>
Participating Key personnel	150.0	150.0	149.0	134.0	130.0	110.0	112.0	110.0
Total Key personnel	150.0	150.0	149.0	134.0	130.0	110.0	112.0	110.0
<b>Indicator value</b>	<b>100.0%</b>							

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**

<b>Alert &amp; Notification System</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

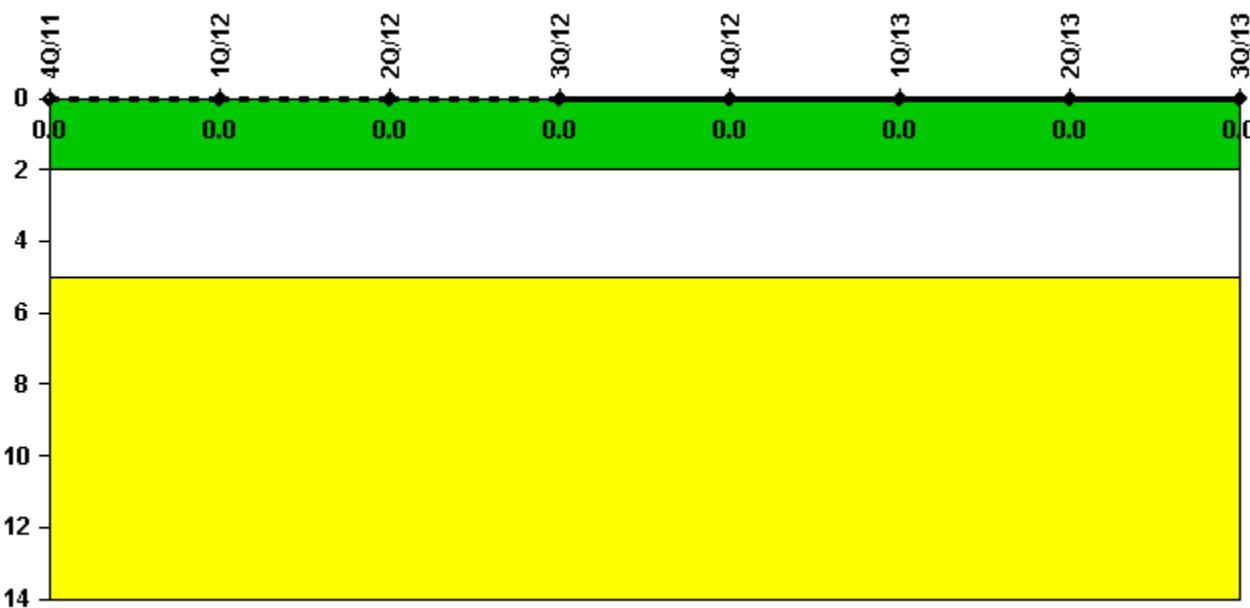
3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

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

### Occupational Exposure Control Effectiveness



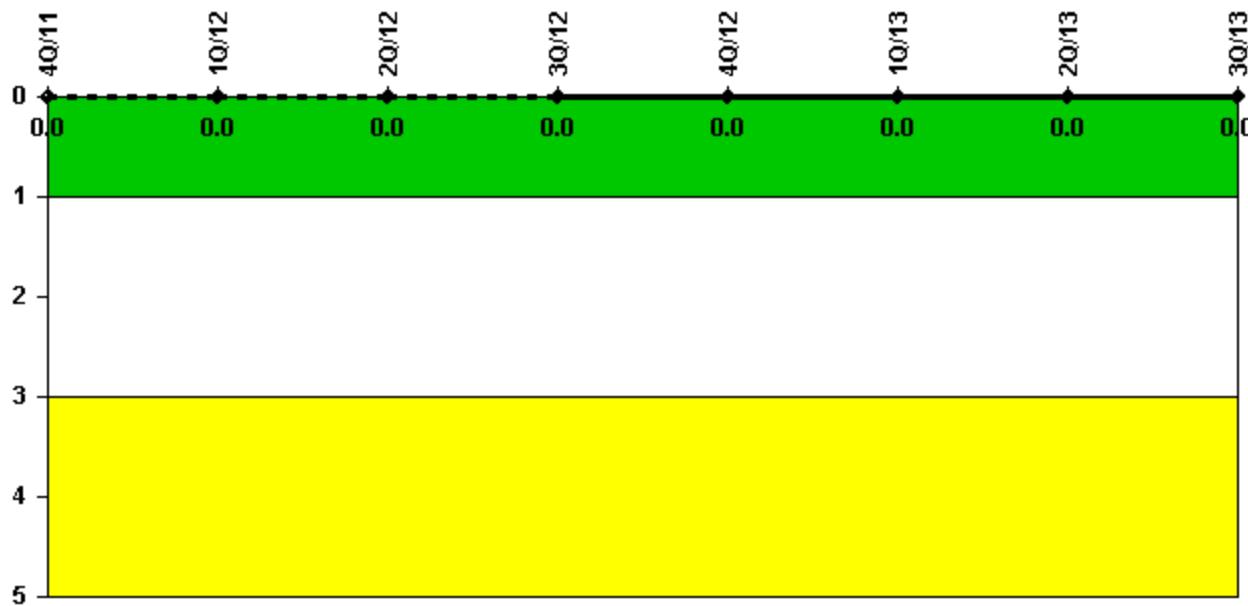
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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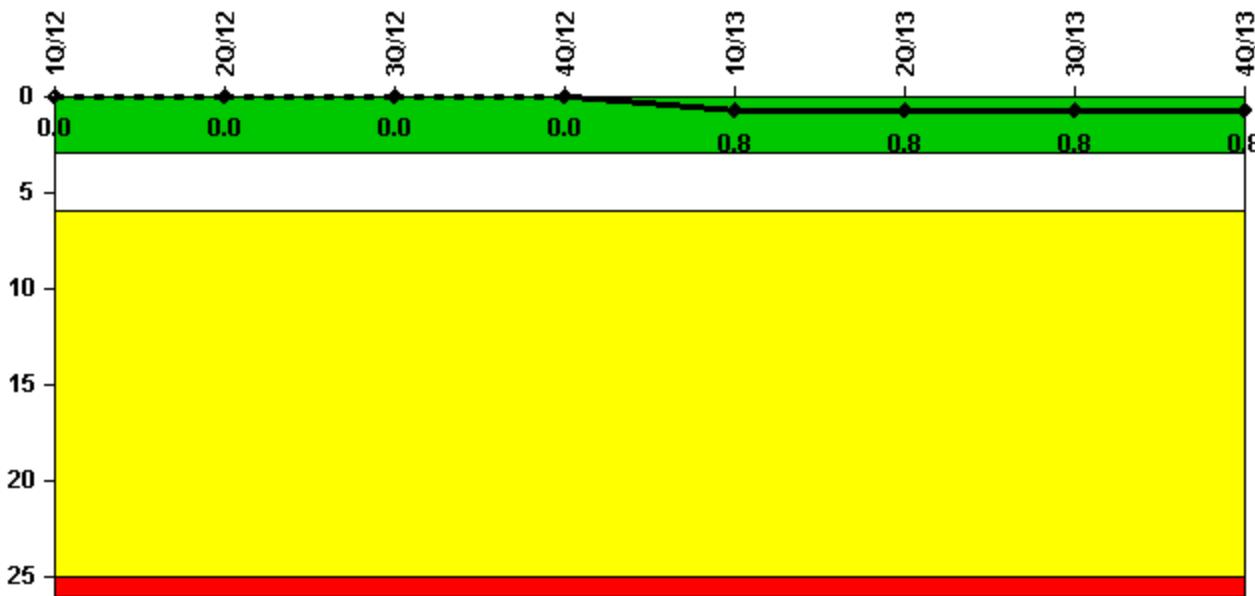
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 22, 2013*

**Hatch 1****4Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

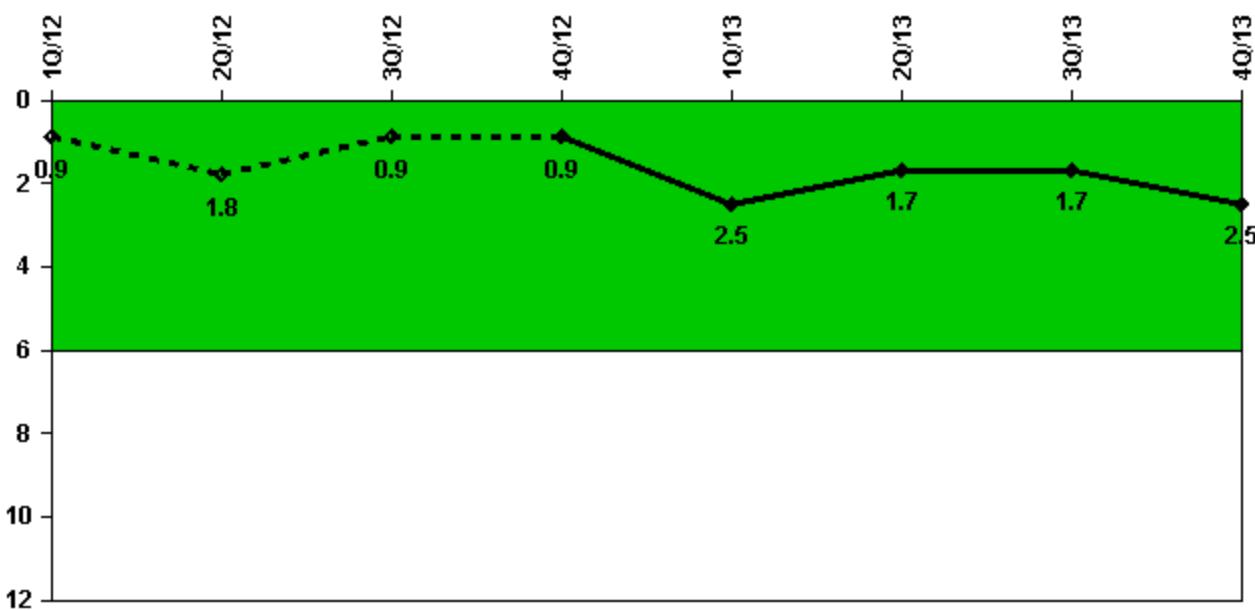
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



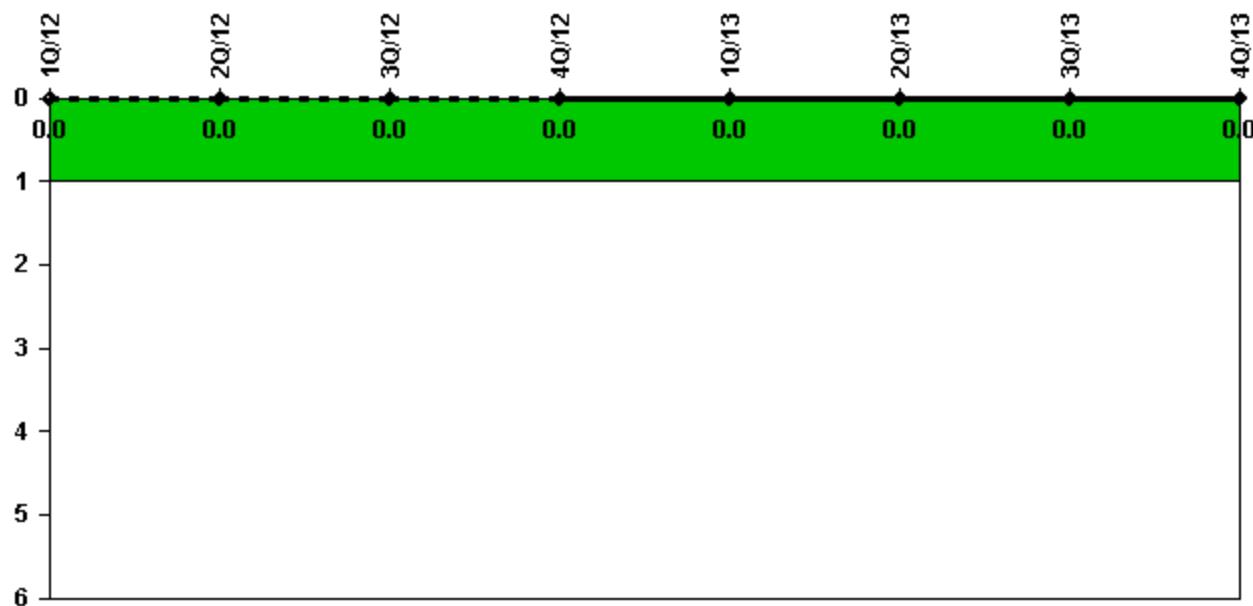
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	1.0	0	0	2.0	0	0	1.0
Critical hours	1342.3	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3
<b>Indicator value</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

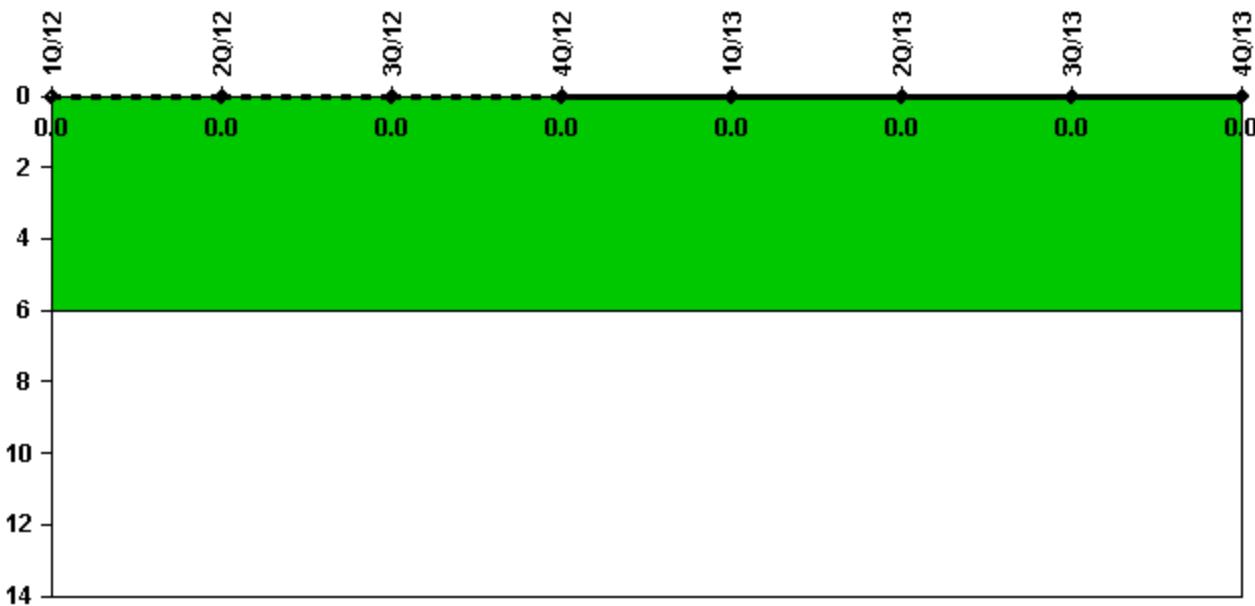
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

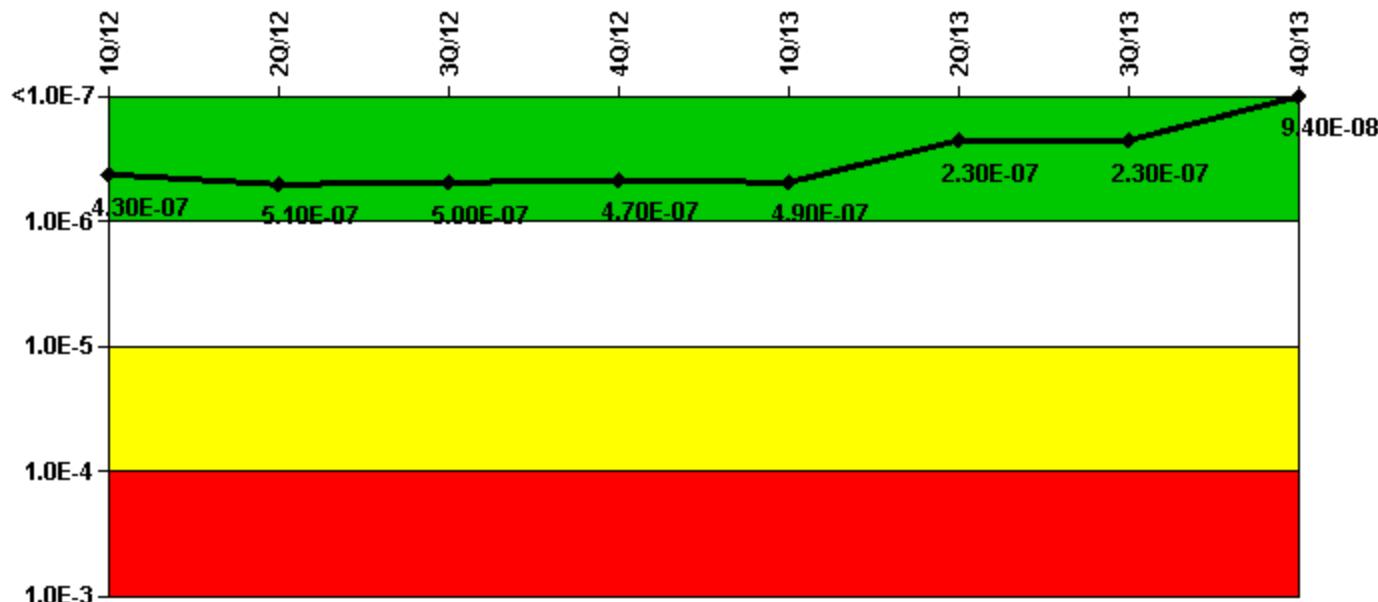
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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

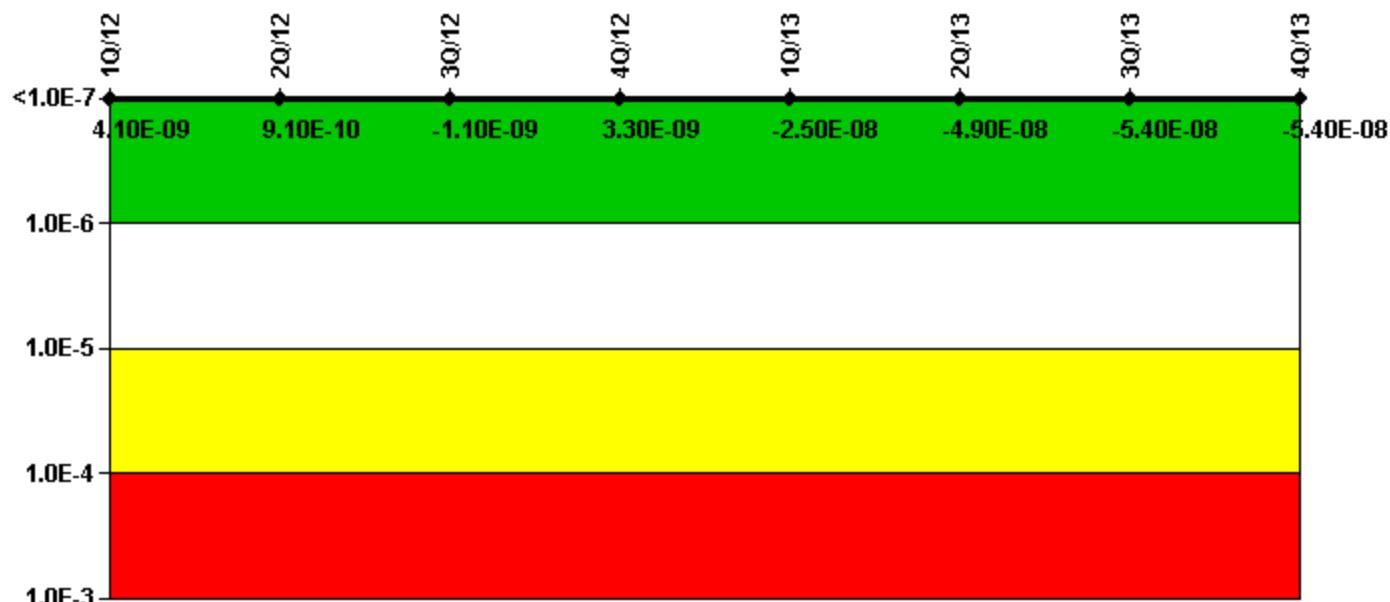
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	1.43E-07	2.28E-07	2.02E-07	1.68E-07	1.69E-07	9.72E-08	8.68E-08	1.25E-07
URI ( $\Delta$ CDF)	2.85E-07	2.86E-07	2.94E-07	2.98E-07	3.19E-07	1.34E-07	1.46E-07	-3.00E-08
PLE	NO							
<b>Indicator value</b>	<b>4.30E-07</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>

### Licensee Comments:

1Q/12: 1C LOCA/LOSP LSFT Test - U1 in Mode 5 - 1C DG tripped locally. CR 421971 was generated to document failure. 1C EDG output breaker failed to close.

## Mitigating Systems Performance Index, High Pressure Injection System



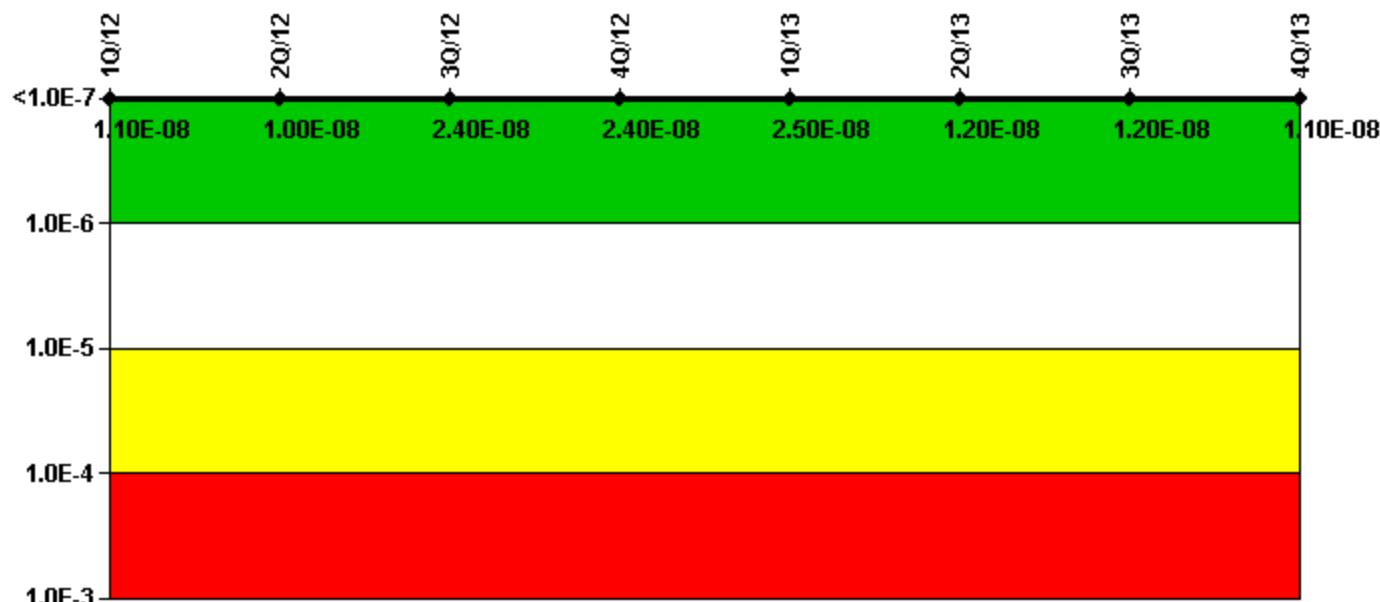
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	4.38E-08	4.17E-08	3.96E-08	4.40E-08	1.01E-08	-1.75E-08	-2.24E-08	-2.11E-08
URI ( $\Delta$ CDF)	-3.97E-08	-4.08E-08	-4.07E-08	-4.07E-08	-3.55E-08	-3.14E-08	-3.15E-08	-3.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>4.10E-09</b>	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



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

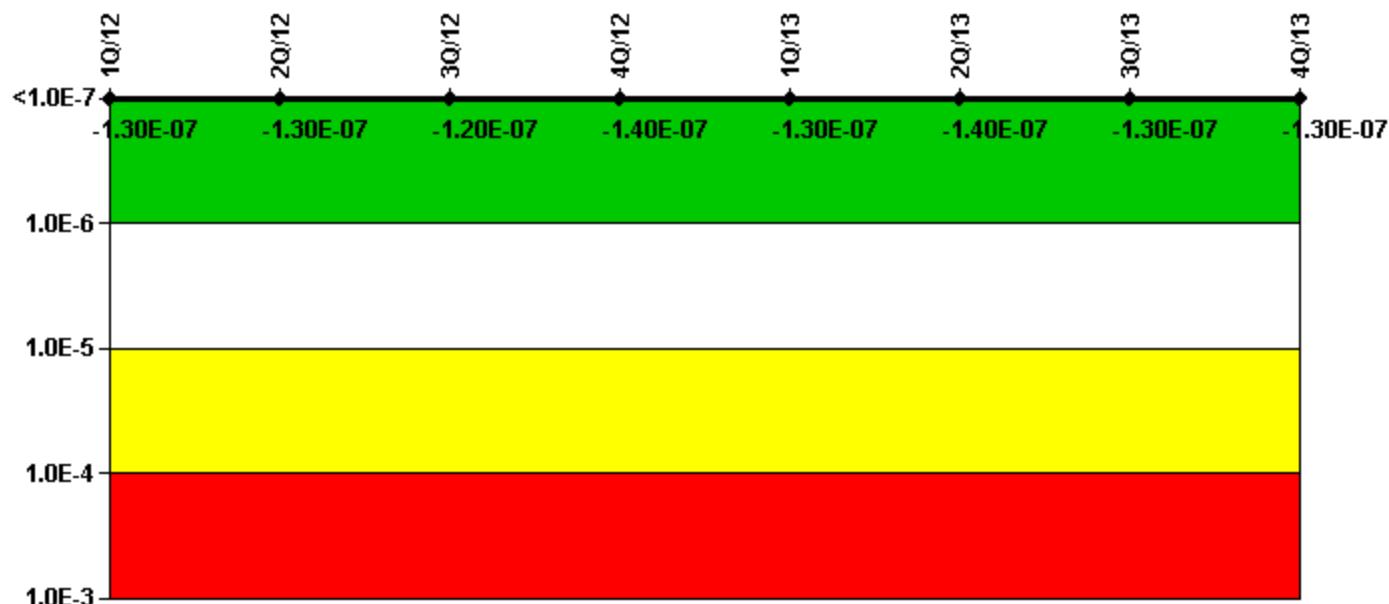
### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	1.09E-08	1.04E-08	2.44E-08	2.52E-08	2.41E-08	1.04E-08	1.03E-08	9.96E-09
URI ( $\Delta$ CDF)	4.01E-11	4.00E-11	-7.96E-10	-7.50E-10	6.17E-10	1.48E-09	1.53E-09	1.48E-09
PLE	NO							
<b>Indicator value</b>	<b>1.10E-08</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>2.50E-08</b>	<b>1.20E-08</b>	<b>1.20E-08</b>	<b>1.10E-08</b>

### Licensee Comments:

1Q/12: CR 426064 was generated to document the 1E51F019 valve failing to open. U1 RCIC unavailability was due to troubleshooting the 1E51F019 valve. Also, CR403998 is under evaluation to determine if an MSPI failure of the 1E51F019 valve occurred.

## Mitigating Systems Performance Index, Residual Heat Removal System



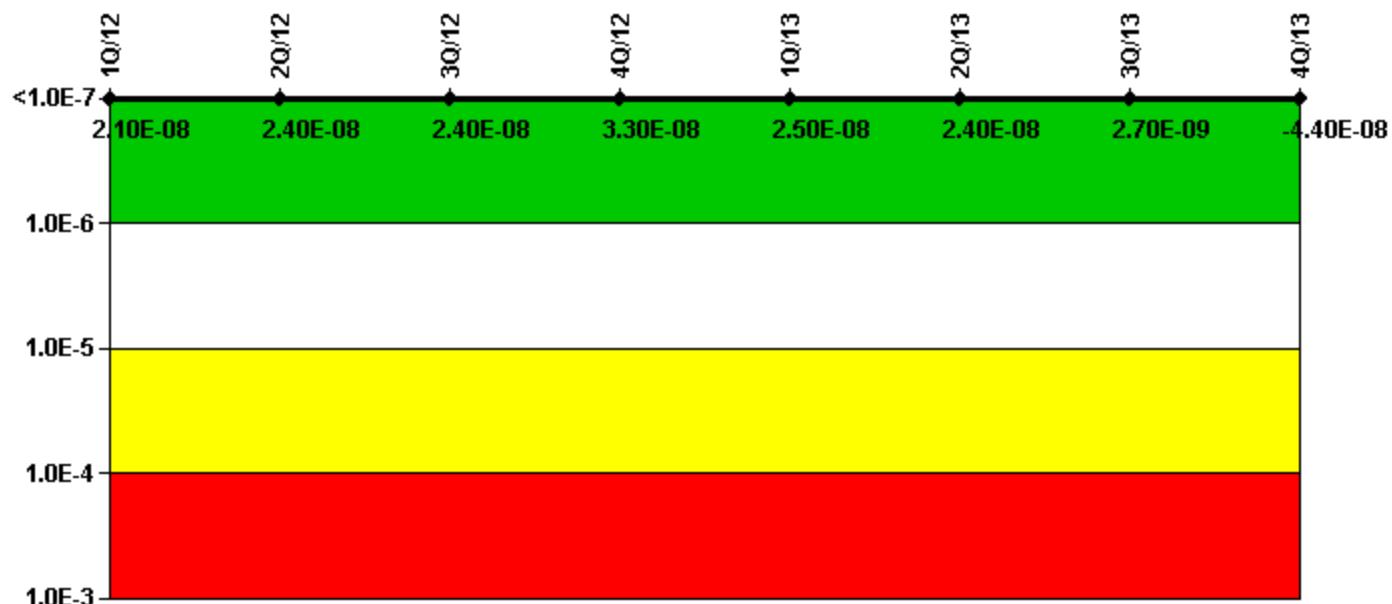
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	-8.28E-09	-8.99E-09	2.58E-09	-1.02E-08	-1.10E-08	-1.88E-08	-4.08E-09	-4.52E-09
URI ( $\Delta$ CDF)	-1.26E-07	-1.20E-07	-1.21E-07	-1.26E-07	-1.23E-07	-1.20E-07	-1.23E-07	-1.27E-07
PLE	NO							
Indicator value	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



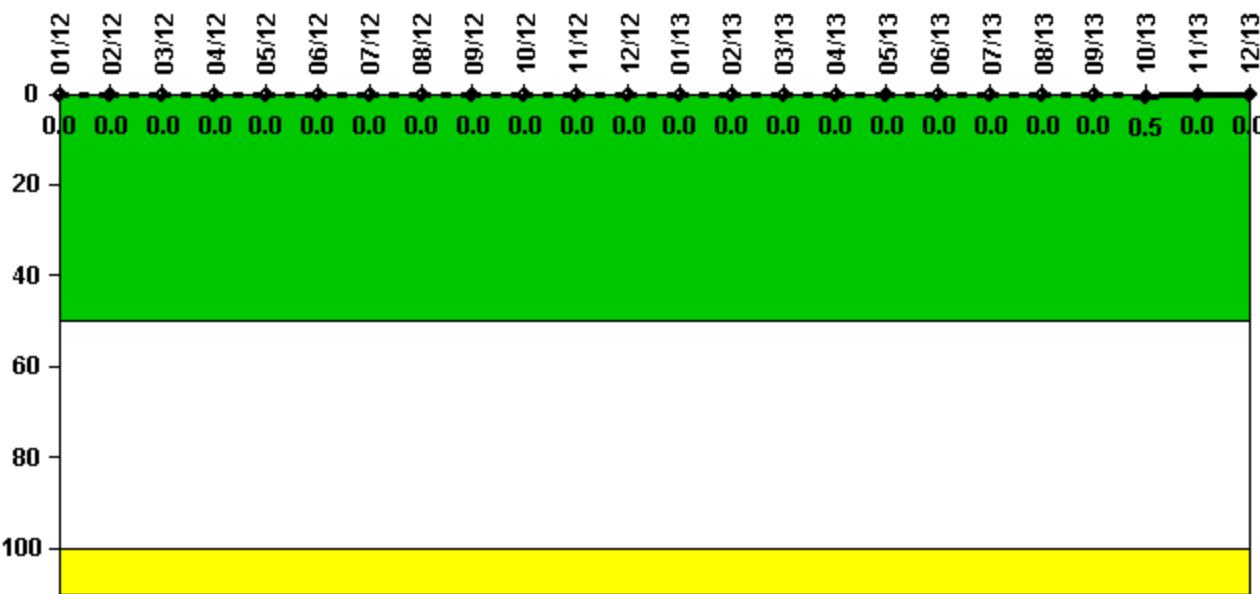
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	1.02E-07	1.02E-07	1.02E-07	1.13E-07	1.05E-07	1.05E-07	8.50E-08	4.20E-08
URI ( $\Delta$ CDF)	-8.14E-08	-7.78E-08	-7.76E-08	-8.03E-08	-8.00E-08	-8.08E-08	-8.22E-08	-8.56E-08
PLE	NO							
<b>Indicator value</b>	<b>2.10E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>3.30E-08</b>	<b>2.50E-08</b>	<b>2.40E-08</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



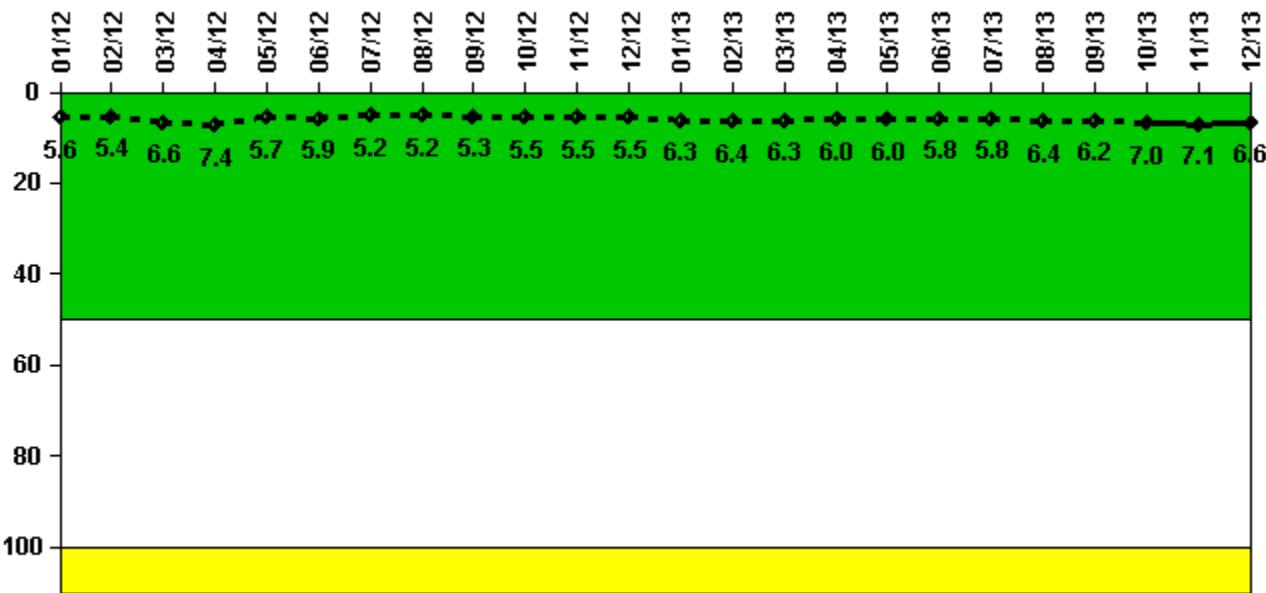
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000007	0.000004	0.000003	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003
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	0
Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000006	0.000002	0.000004	0.000005	0.000006	0.000008	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023
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	0.5	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



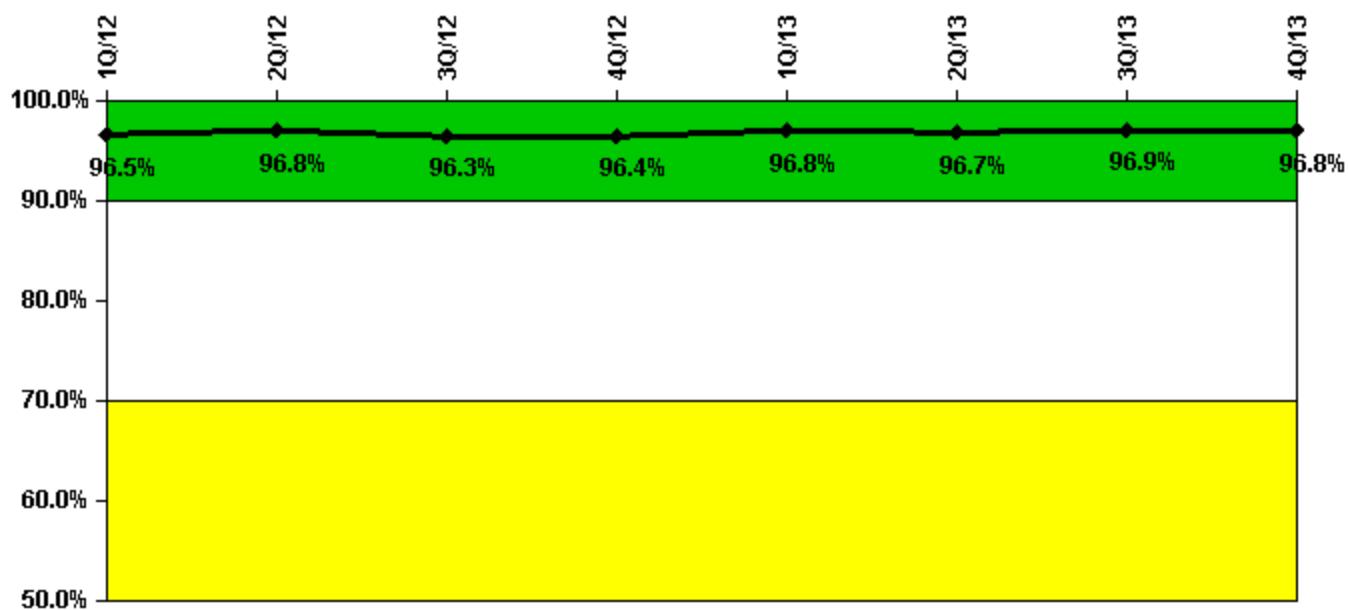
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	1.670	1.610	1.980	2.210	1.700	1.780	1.560	1.550	1.600	1.660	1.650	1.660
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
<b>Indicator value</b>	<b>5.6</b>	<b>5.4</b>	<b>6.6</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	1.890	1.910	1.880	1.810	1.800	1.730	1.740	1.910	1.850	2.110	2.140	1.970
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
<b>Indicator value</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>	<b>7.0</b>	<b>7.1</b>	<b>6.6</b>

Licensee Comments: none

### Drill/Exercise Performance



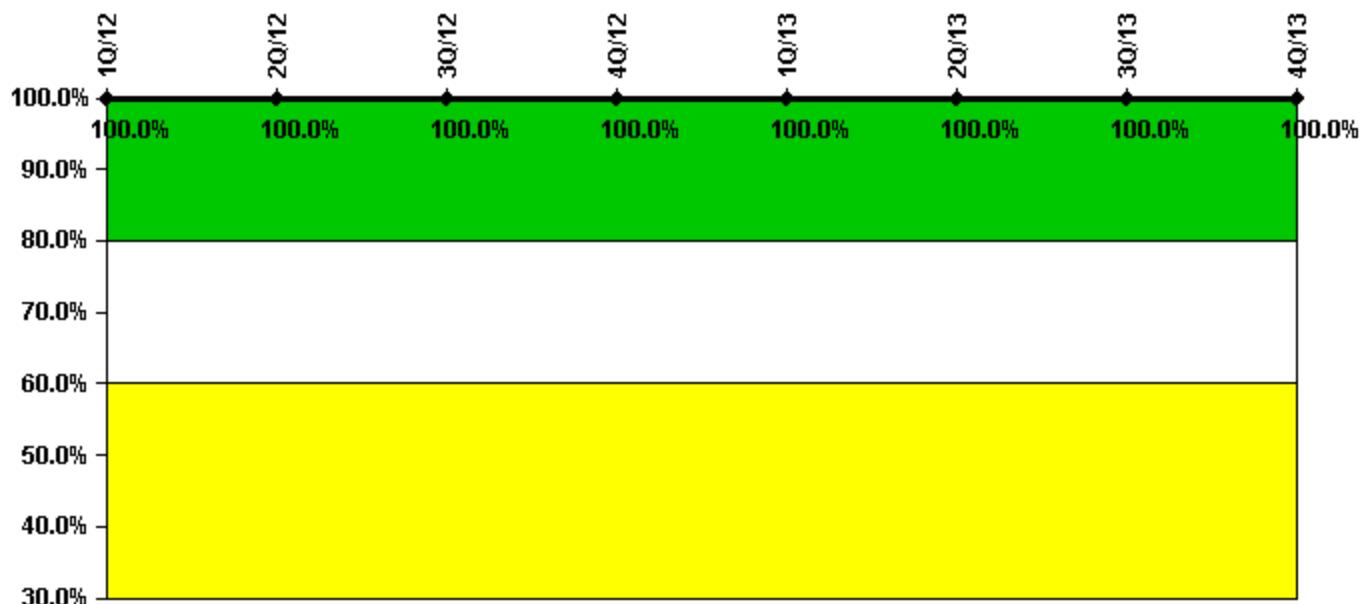
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	10.0	70.0	61.0	14.0	40.0	51.0	42.0	47.0
Total opportunities	10.0	72.0	65.0	14.0	40.0	54.0	42.0	49.0
Indicator value	96.5%	96.8%	96.3%	96.4%	96.8%	96.7%	96.9%	96.8%

Licensee Comments: none

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>
Participating Key personnel	150.0	149.0	134.0	130.0	110.0	112.0	110.0	111.0
Total Key personnel	150.0	149.0	134.0	130.0	110.0	112.0	110.0	111.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

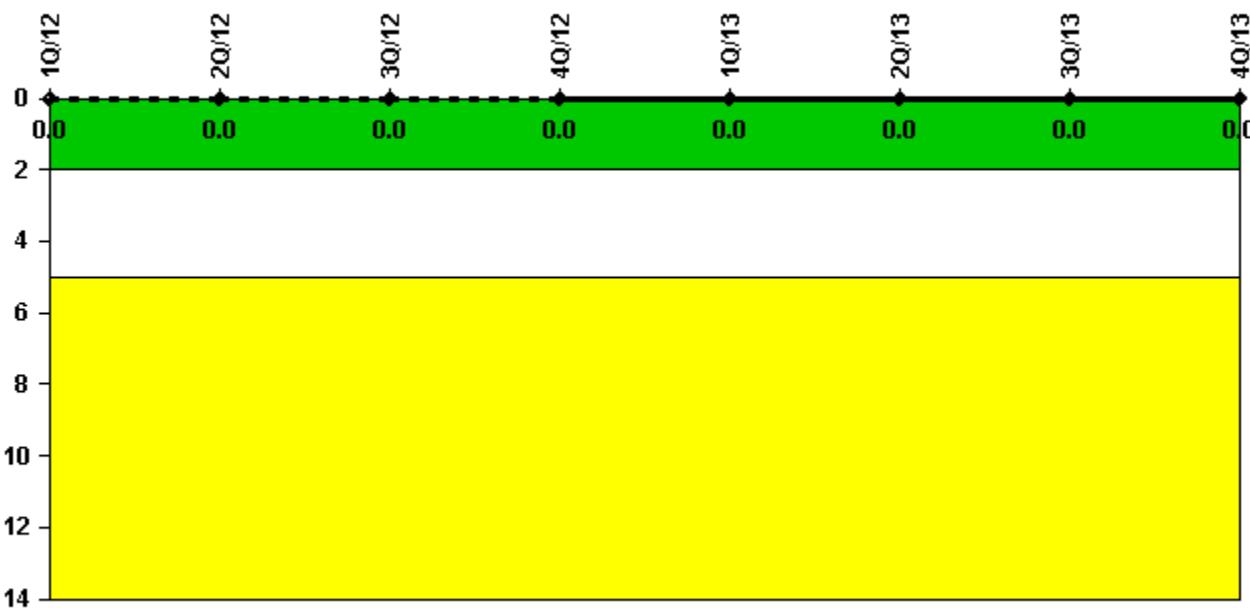
4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

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

### Occupational Exposure Control Effectiveness



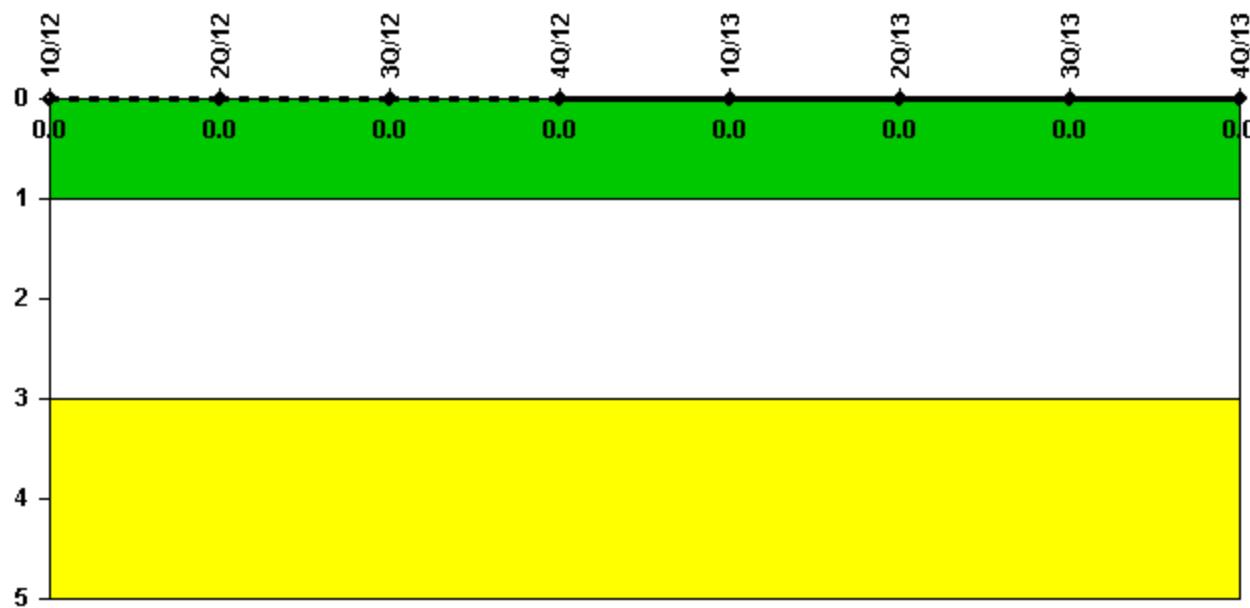
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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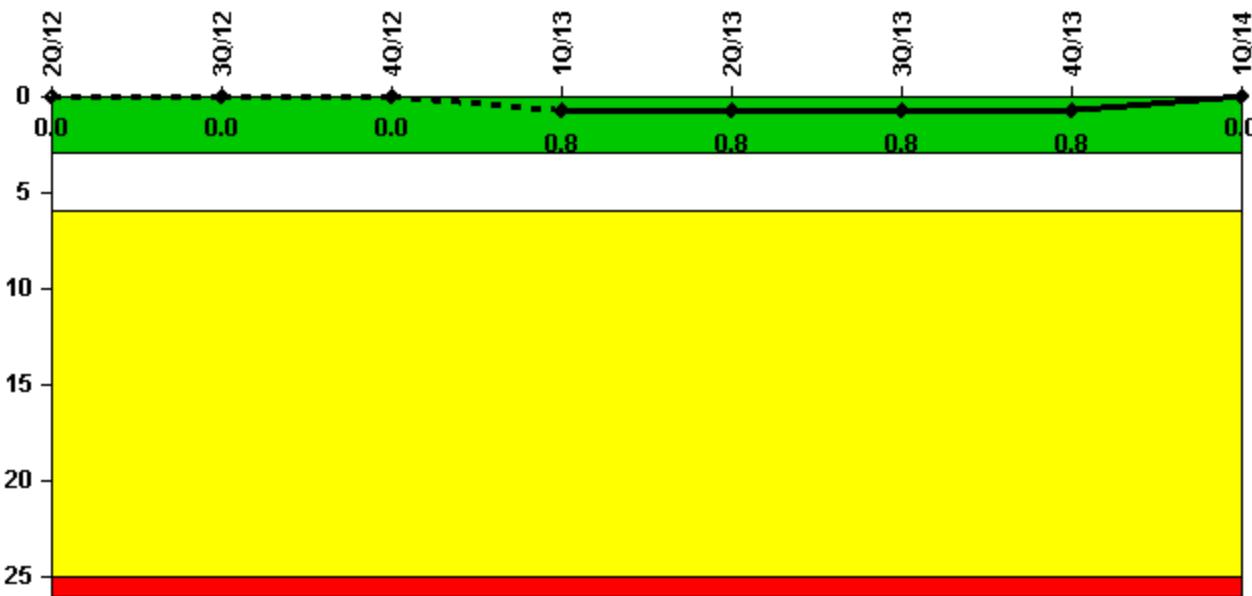
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: January 22, 2014*

**Hatch 1****1Q/2014 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

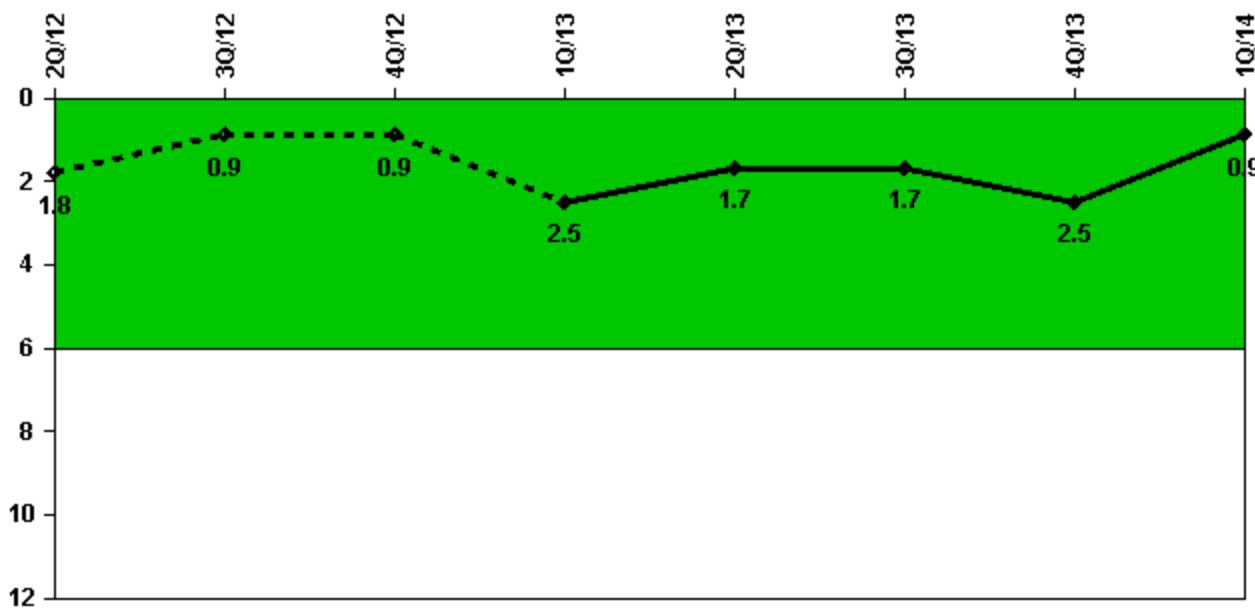
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



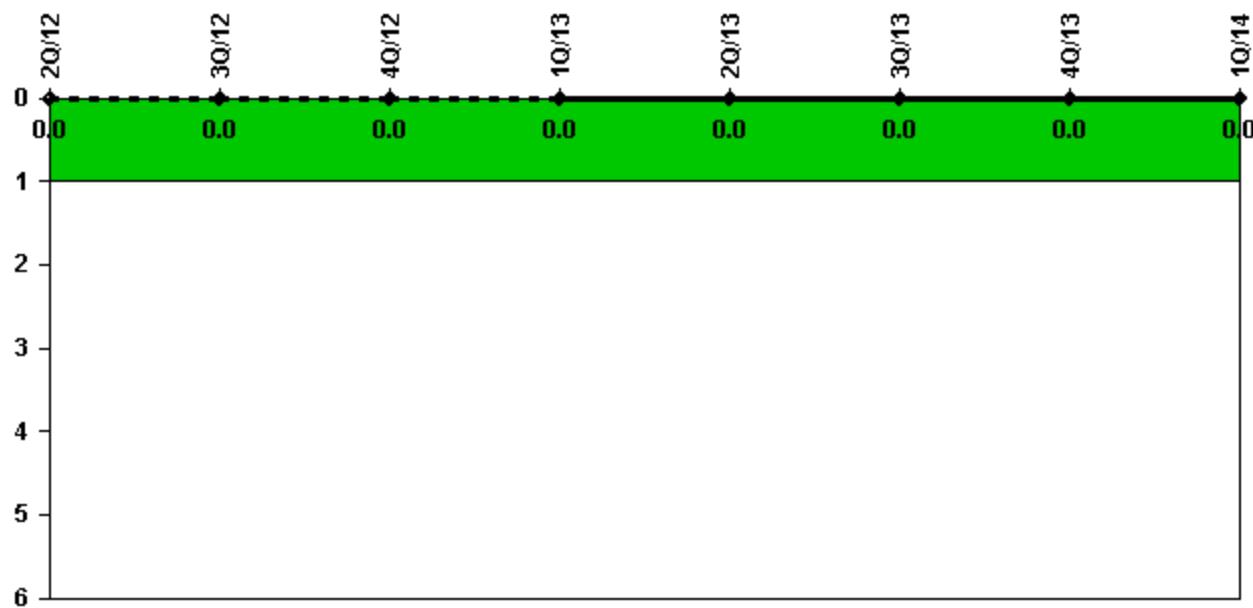
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	1.0	0	0	2.0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9
<b>Indicator value</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

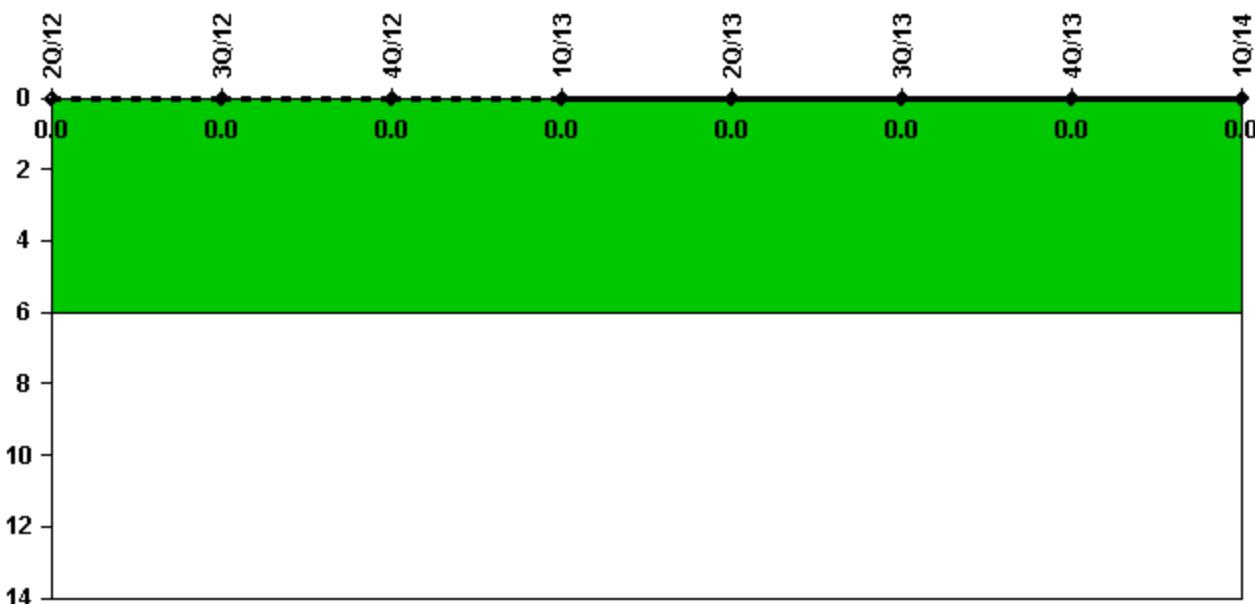
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

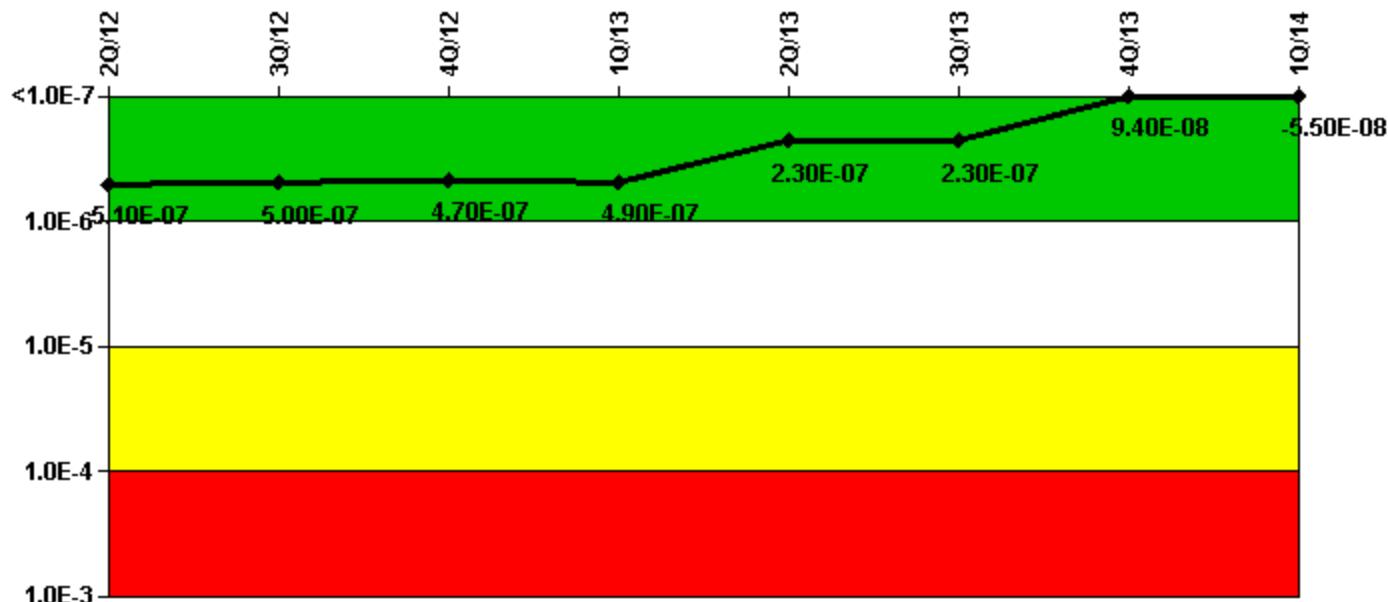
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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

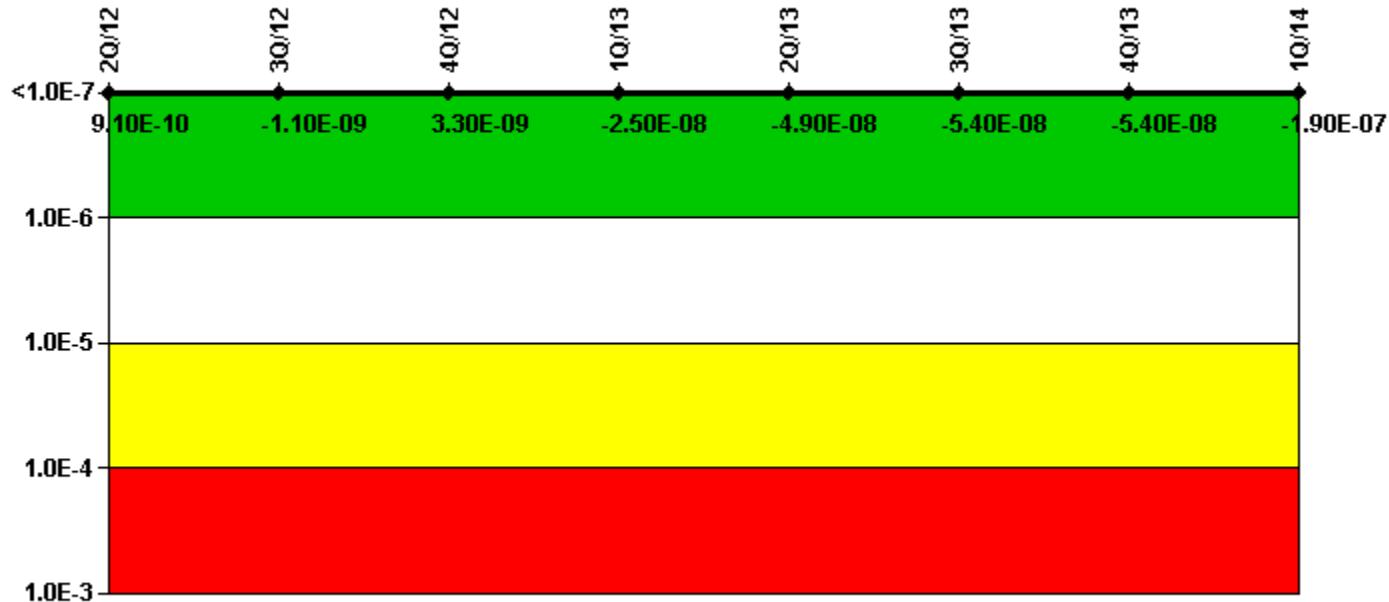
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	2.28E-07	2.02E-07	1.68E-07	1.69E-07	9.72E-08	8.68E-08	1.25E-07	5.34E-08
URI ( $\Delta$ CDF)	2.86E-07	2.94E-07	2.98E-07	3.19E-07	1.34E-07	1.46E-07	-3.00E-08	-1.08E-07
PLE	NO							
<b>Indicator value</b>	<b>5.10E-07</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

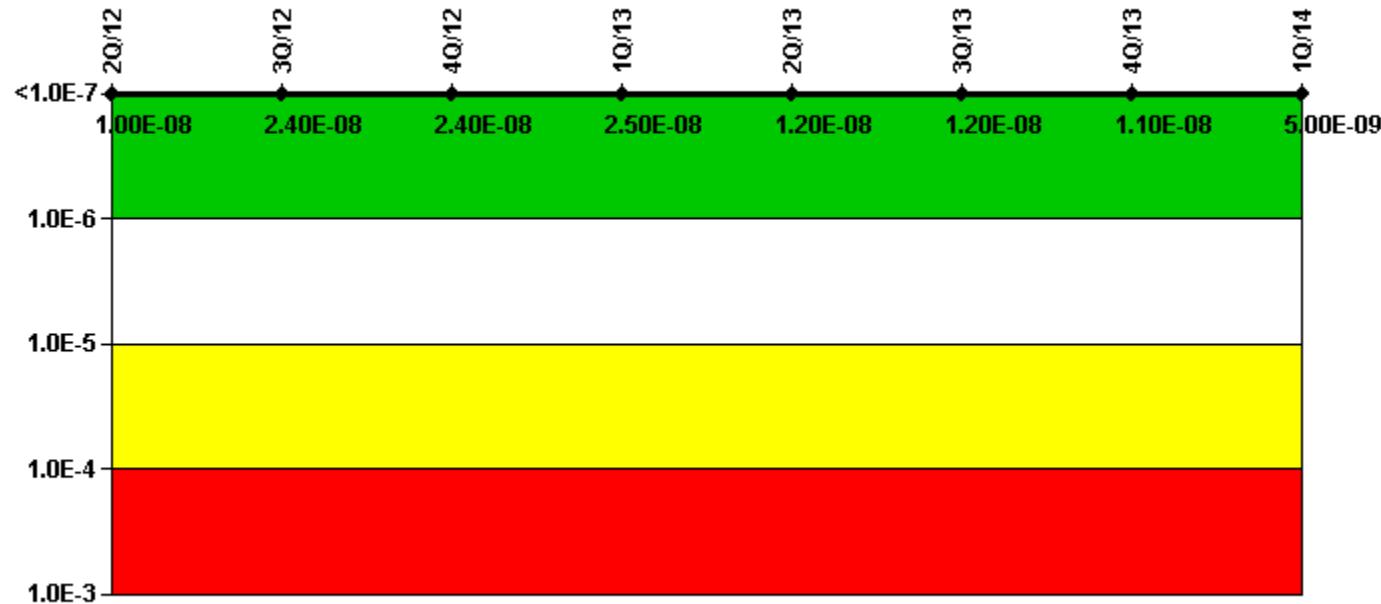
Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	4.17E-08	3.96E-08	4.40E-08	1.01E-08	-1.75E-08	-2.24E-08	-2.11E-08	-7.73E-08
URI ( $\Delta$ CDF)	-4.08E-08	-4.07E-08	-4.07E-08	-3.55E-08	-3.14E-08	-3.15E-08	-3.29E-08	-1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>9.10E-10</b>	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above

coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Heat Removal System



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

### Notes

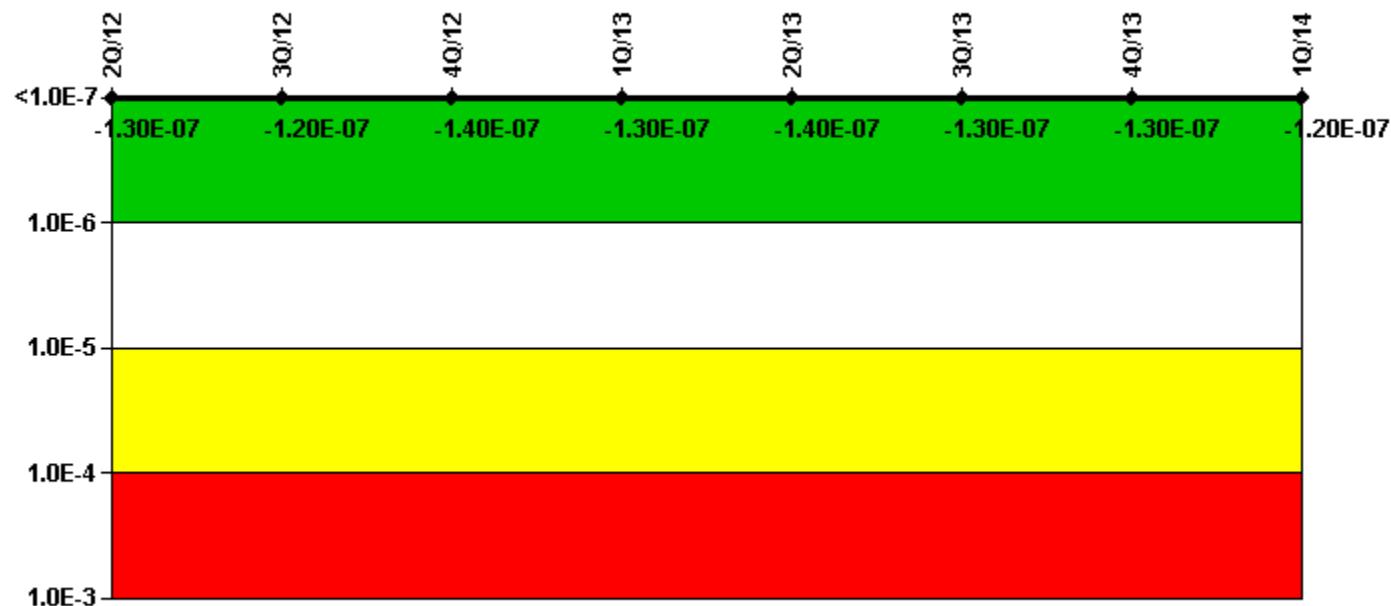
Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	1.04E-08	2.44E-08	2.52E-08	2.41E-08	1.04E-08	1.03E-08	9.96E-09	4.27E-09
URI ( $\Delta$ CDF)	4.00E-11	-7.96E-10	-7.50E-10	6.17E-10	1.48E-09	1.53E-09	1.48E-09	7.16E-10
PLE	NO							
<b>Indicator value</b>	<b>1.00E-08</b>	<b>2.40E-08</b>	<b>2.40E-08</b>	<b>2.50E-08</b>	<b>1.20E-08</b>	<b>1.20E-08</b>	<b>1.10E-08</b>	<b>5.00E-09</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The

Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

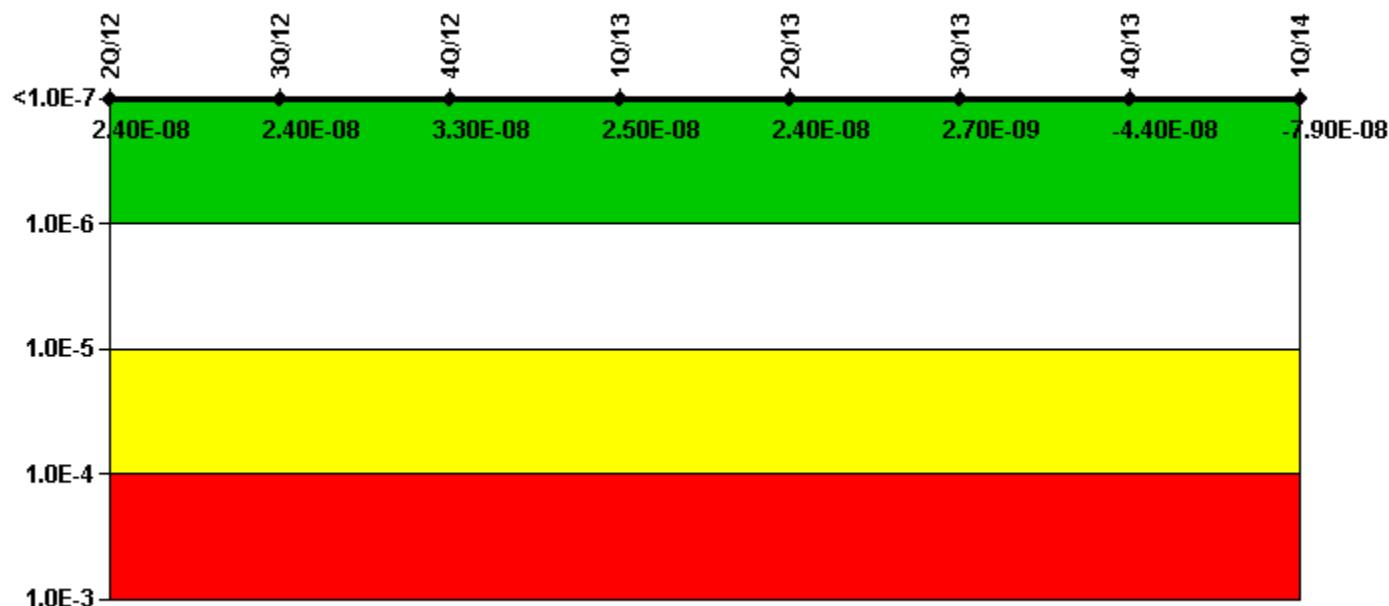
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	-8.99E-09	2.58E-09	-1.02E-08	-1.10E-08	-1.88E-08	-4.08E-09	-4.52E-09	1.39E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.21E-07	-1.26E-07	-1.23E-07	-1.20E-07	-1.23E-07	-1.27E-07	-1.32E-07
PLE	NO							
Indicator value	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

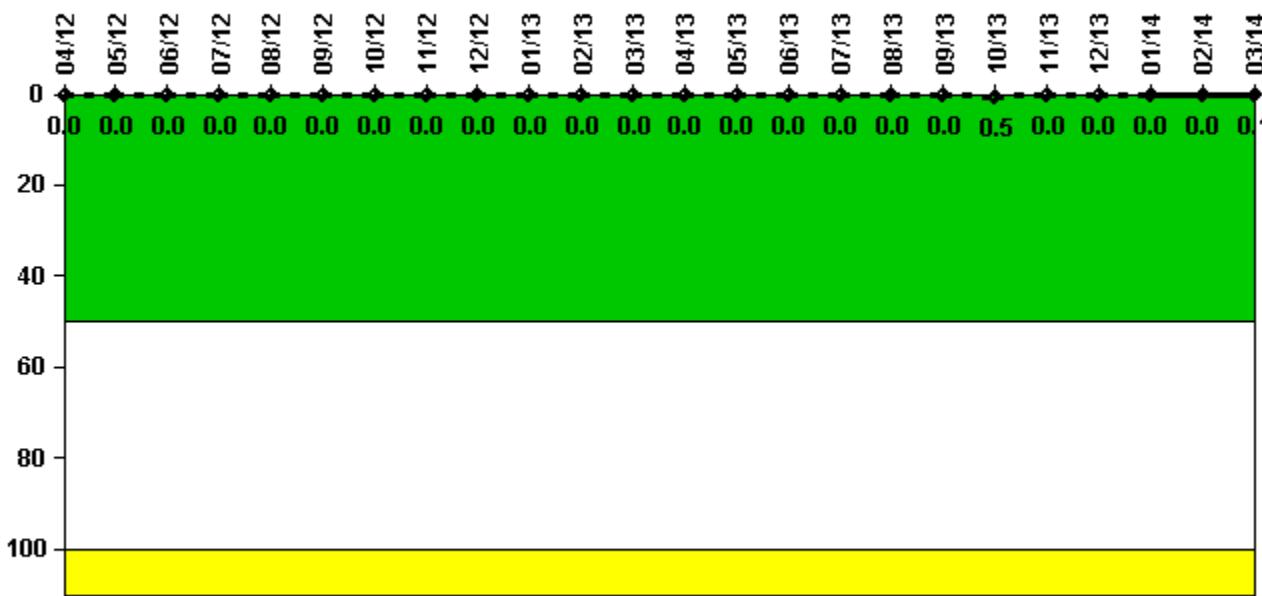
Mitigating Systems Performance Index, Cooling Water Systems	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	1.02E-07	1.02E-07	1.13E-07	1.05E-07	1.05E-07	8.50E-08	4.20E-08	1.47E-10
URI ( $\Delta$ CDF)	-7.78E-08	-7.76E-08	-8.03E-08	-8.00E-08	-8.08E-08	-8.22E-08	-8.56E-08	-7.94E-08
PLE	NO							

Indicator value	2.40E-08	2.40E-08	3.30E-08	2.50E-08	2.40E-08	2.70E-09	-4.40E-08	-7.90E-08
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## Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

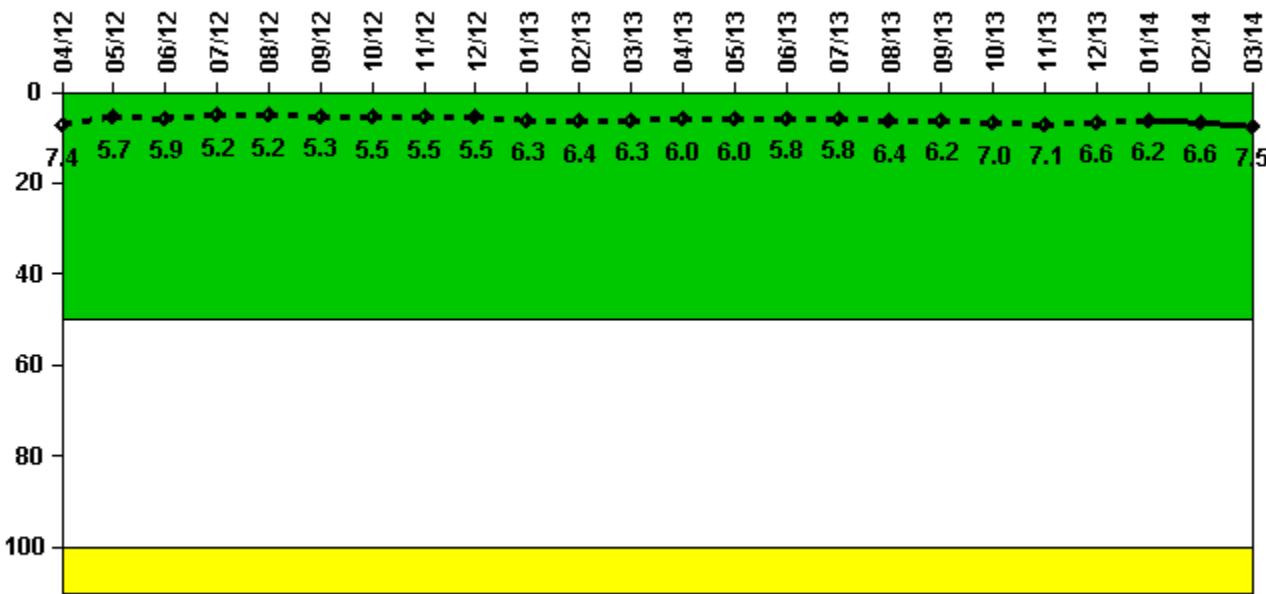
Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
---------------------------------	------	------	------	------	------	------	-------	-------	-------	------	------	------

Maximum activity	0.000006	0.000005	0.000004	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003	0.000006	0.000002	0.000004
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Reactor Coolant System Activity</b>	<b>4/13</b>	<b>5/13</b>	<b>6/13</b>	<b>7/13</b>	<b>8/13</b>	<b>9/13</b>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>	<b>1/14</b>	<b>2/14</b>	<b>3/14</b>
Maximum activity	0.000005	0.000006	0.000008	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>

Licensee Comments: none

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### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

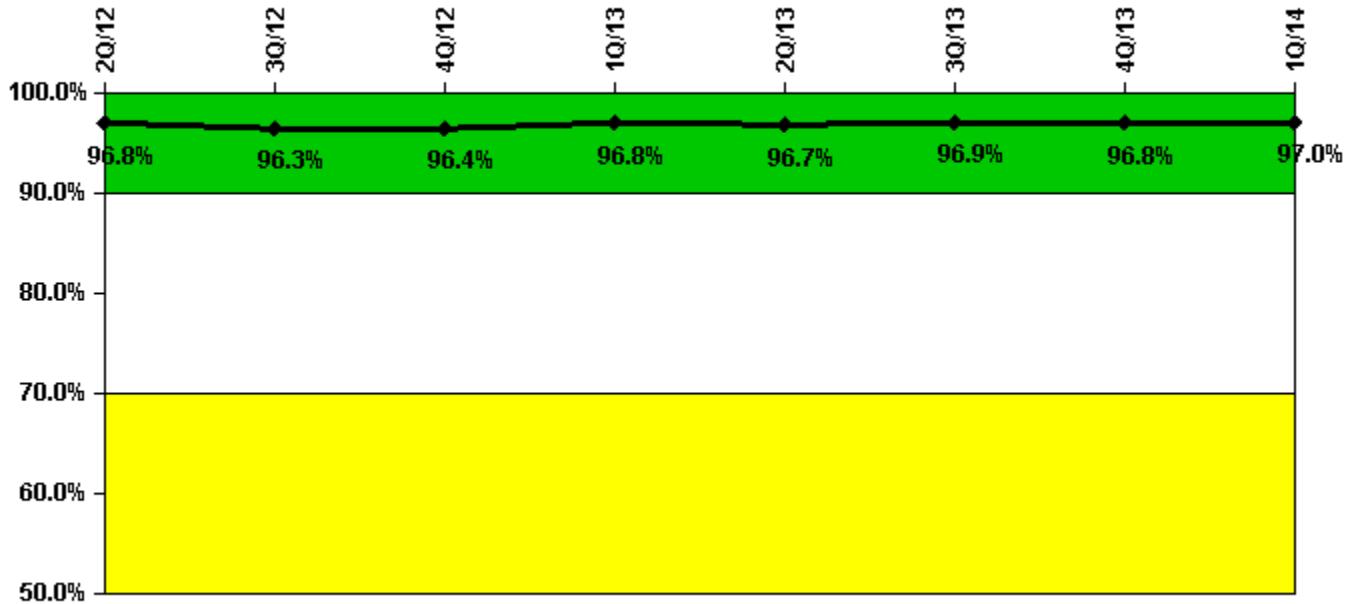
### Notes

<b>Reactor Coolant System Leakage</b>	<b>4/12</b>	<b>5/12</b>	<b>6/12</b>	<b>7/12</b>	<b>8/12</b>	<b>9/12</b>	<b>10/12</b>	<b>11/12</b>	<b>12/12</b>	<b>1/13</b>	<b>2/13</b>	<b>3/13</b>
Maximum leakage	2.210	1.700	1.780	1.560	1.550	1.600	1.660	1.650	1.660	1.890	1.910	1.880
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
<b>Indicator value</b>	<b>7.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>
<b>Reactor Coolant System Leakage</b>	<b>4/13</b>	<b>5/13</b>	<b>6/13</b>	<b>7/13</b>	<b>8/13</b>	<b>9/13</b>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>	<b>1/14</b>	<b>2/14</b>	<b>3/14</b>
Maximum leakage	1.810	1.800	1.730	1.740	1.910	1.850	2.110	2.140	1.970	1.850	1.980	2.240
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
<b>Indicator value</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>	<b>7.0</b>	<b>7.1</b>	<b>6.6</b>	<b>6.2</b>	<b>6.6</b>	<b>7.5</b>

Licensee Comments: none

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### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

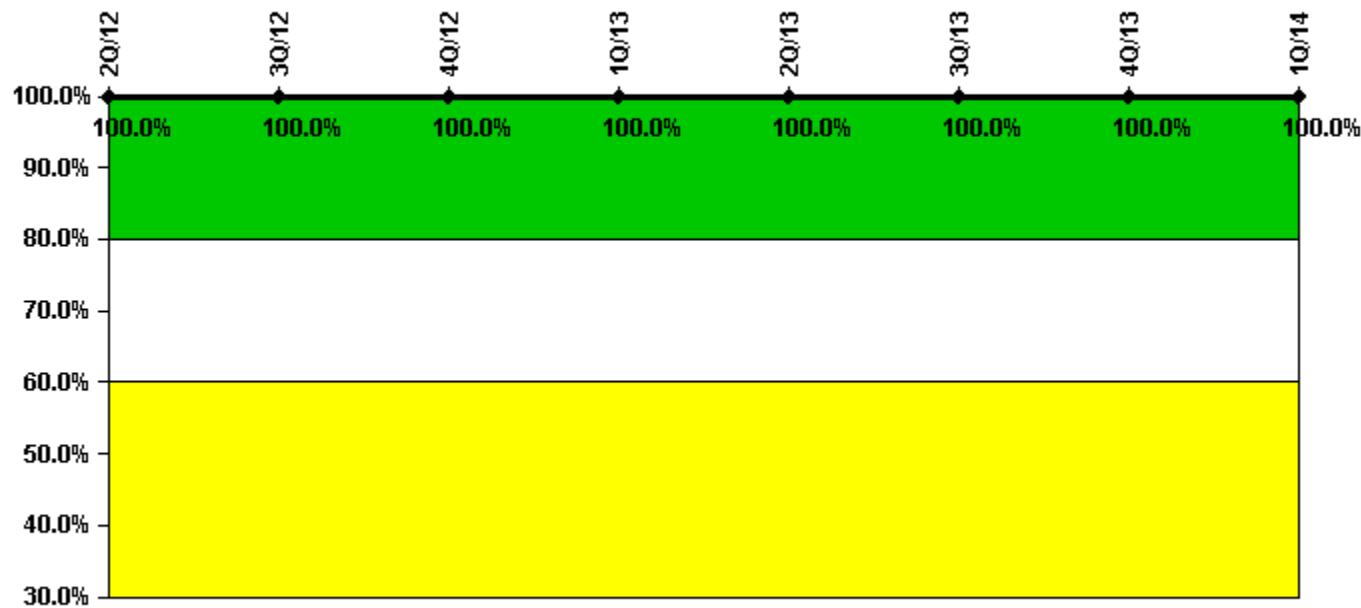
### Notes

<b>Drill/Exercise Performance</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Successful opportunities	70.0	61.0	14.0	40.0	51.0	42.0	47.0	32.0
Total opportunities	72.0	65.0	14.0	40.0	54.0	42.0	49.0	32.0
<b>Indicator value</b>	<b>96.8%</b>	<b>96.3%</b>	<b>96.4%</b>	<b>96.8%</b>	<b>96.7%</b>	<b>96.9%</b>	<b>96.8%</b>	<b>97.0%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

### **Notes**

<b>ERO Drill Participation</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Participating Key personnel	149.0	134.0	130.0	110.0	112.0	110.0	111.0	111.0
Total Key personnel	149.0	134.0	130.0	110.0	112.0	110.0	111.0	111.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

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## **Alert & Notification System**

**Not applicable due to  
unique design  
characteristics.**

**Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### **Notes**

<b>Alert &amp; Notification System</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Successful siren-tests								
Total sirens-tests								
<b>Indicator value</b>								

### Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

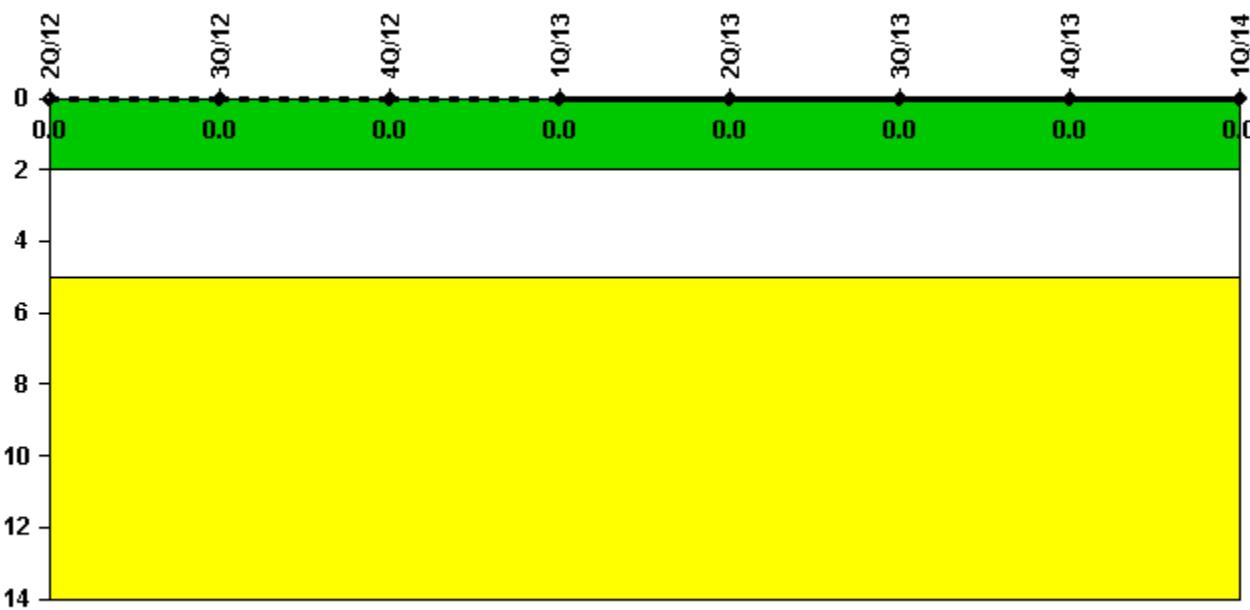
1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

### Occupational Exposure Control Effectiveness



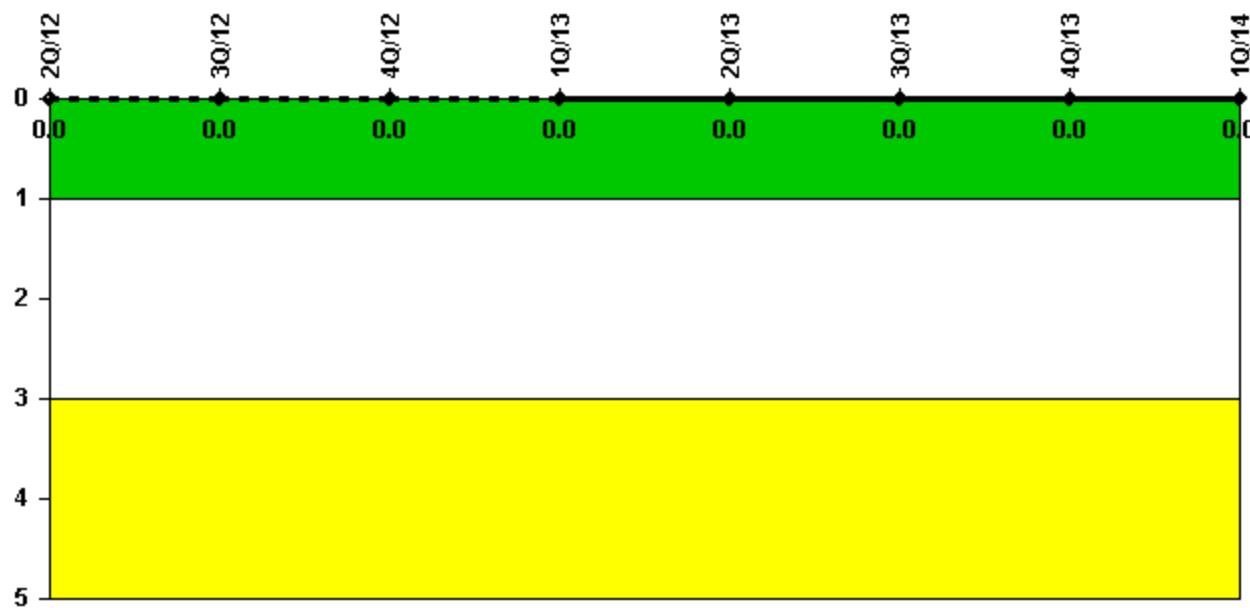
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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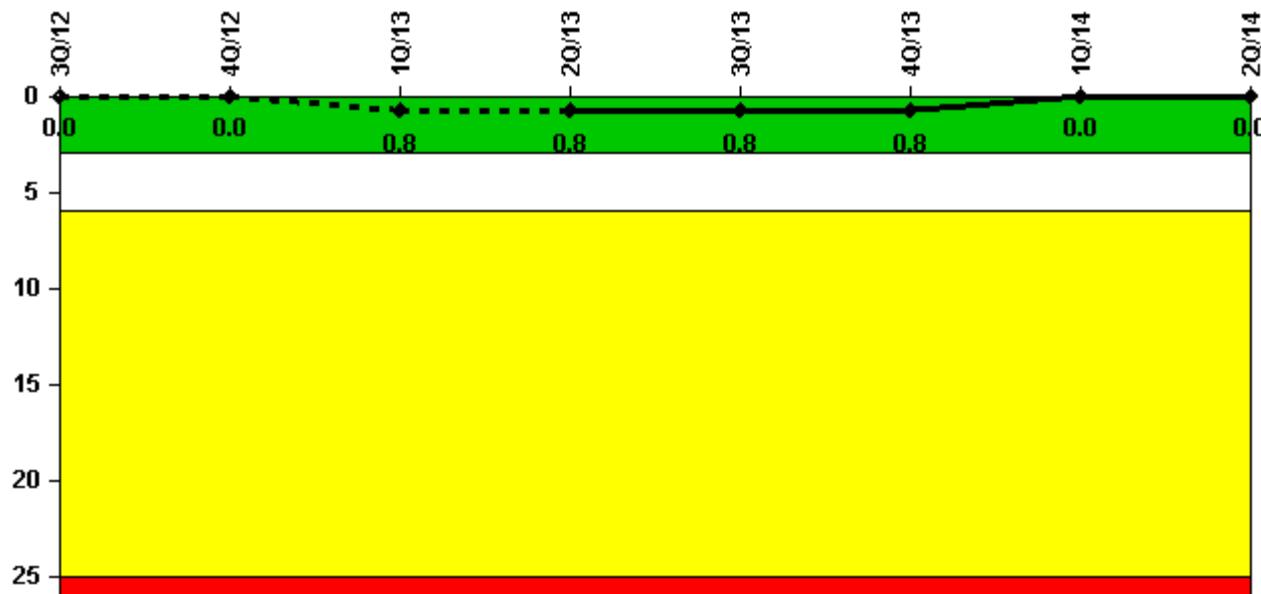
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2014*

**Hatch 1****2Q/2014 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

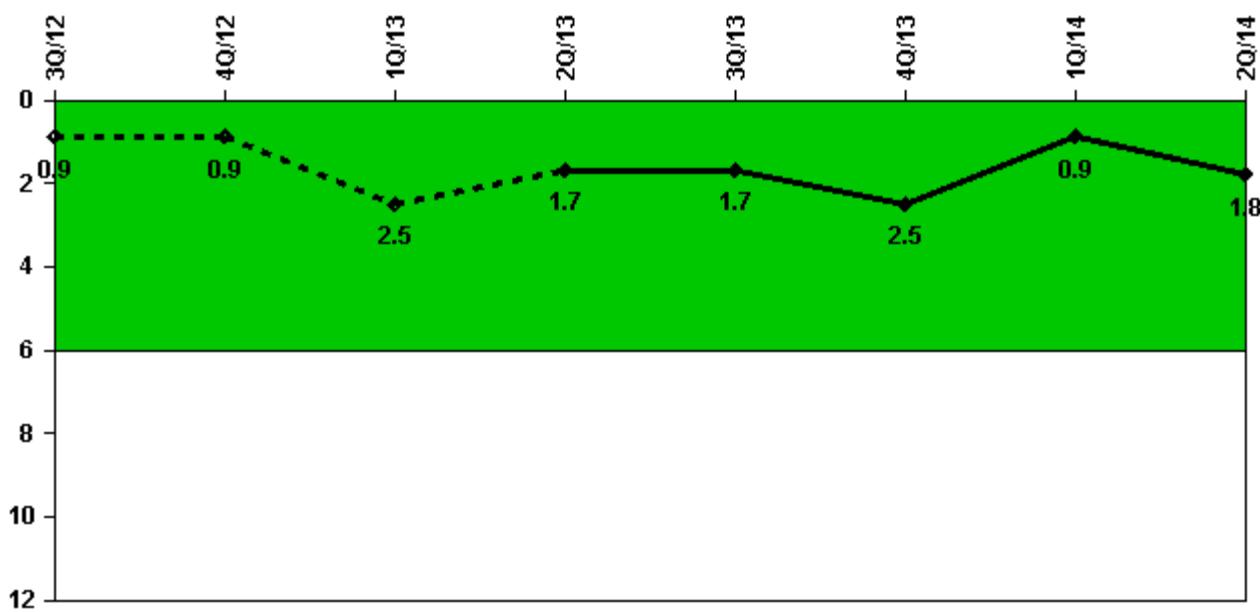
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



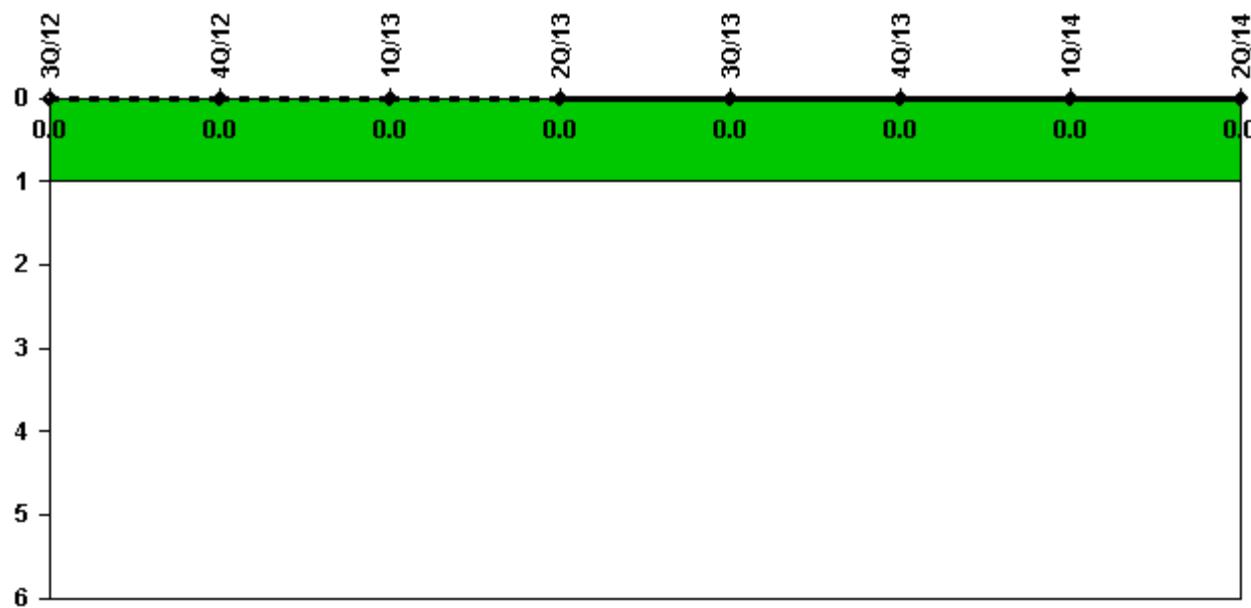
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	2.0	0	0	1.0	0	1.0
Critical hours	2208.0	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



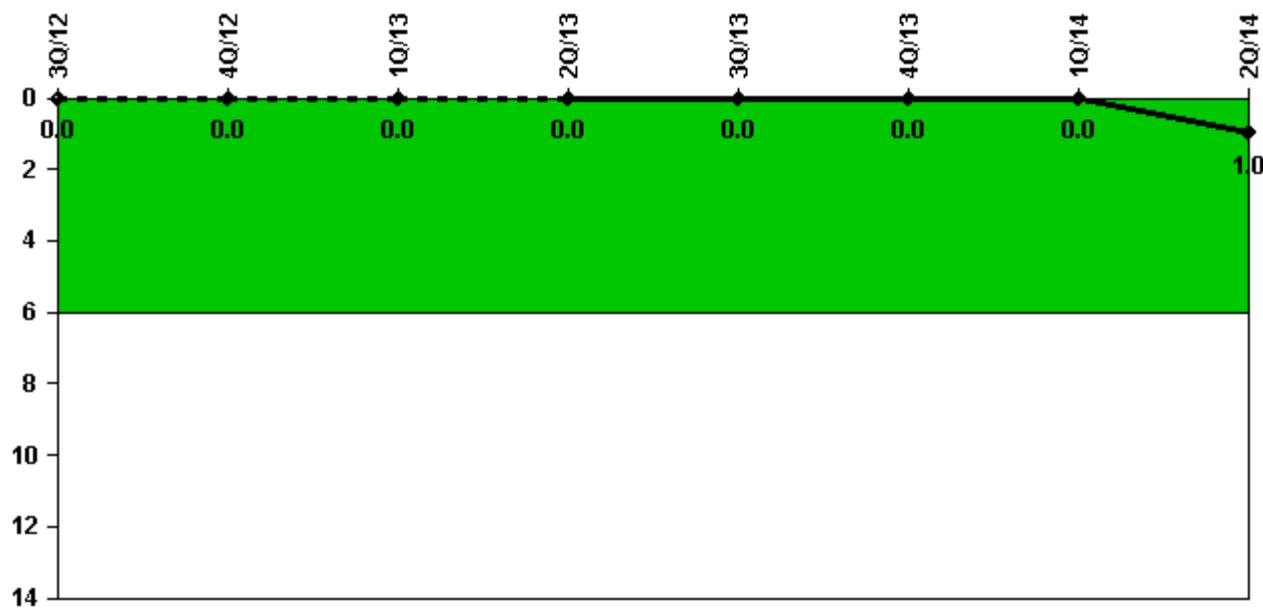
Thresholds: White > 1.0

#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

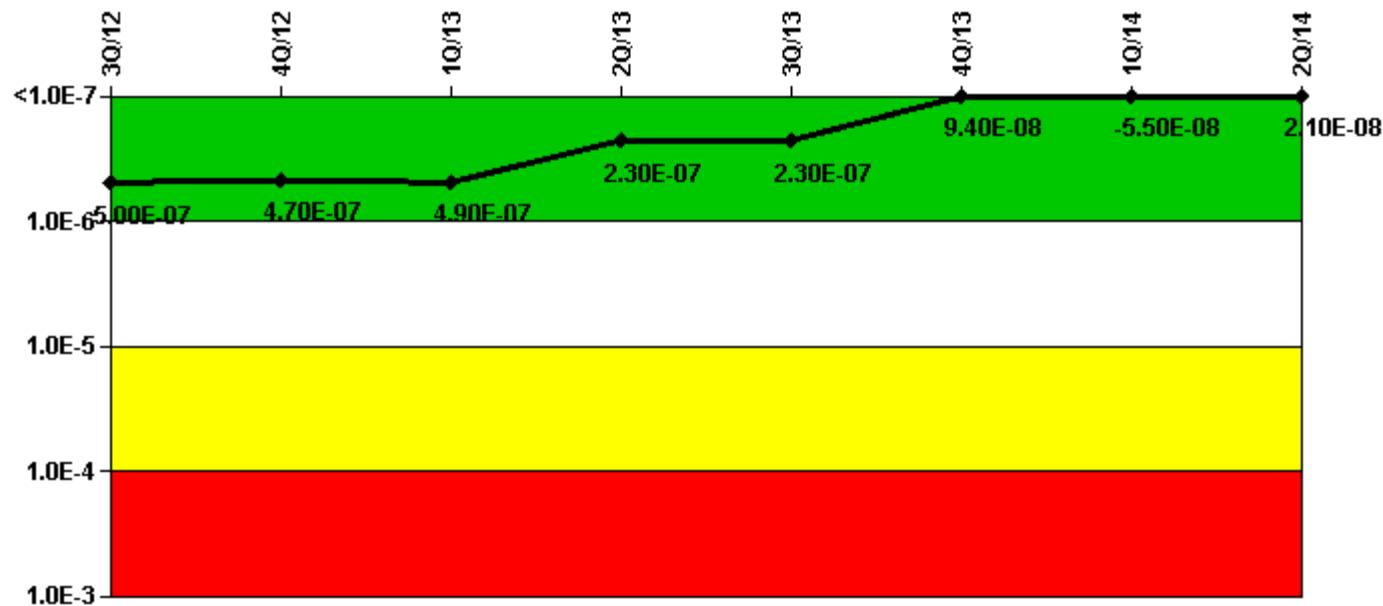
### Notes

Safety System Functional Failures (BWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	<b>0</b>	<b>1</b>						

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

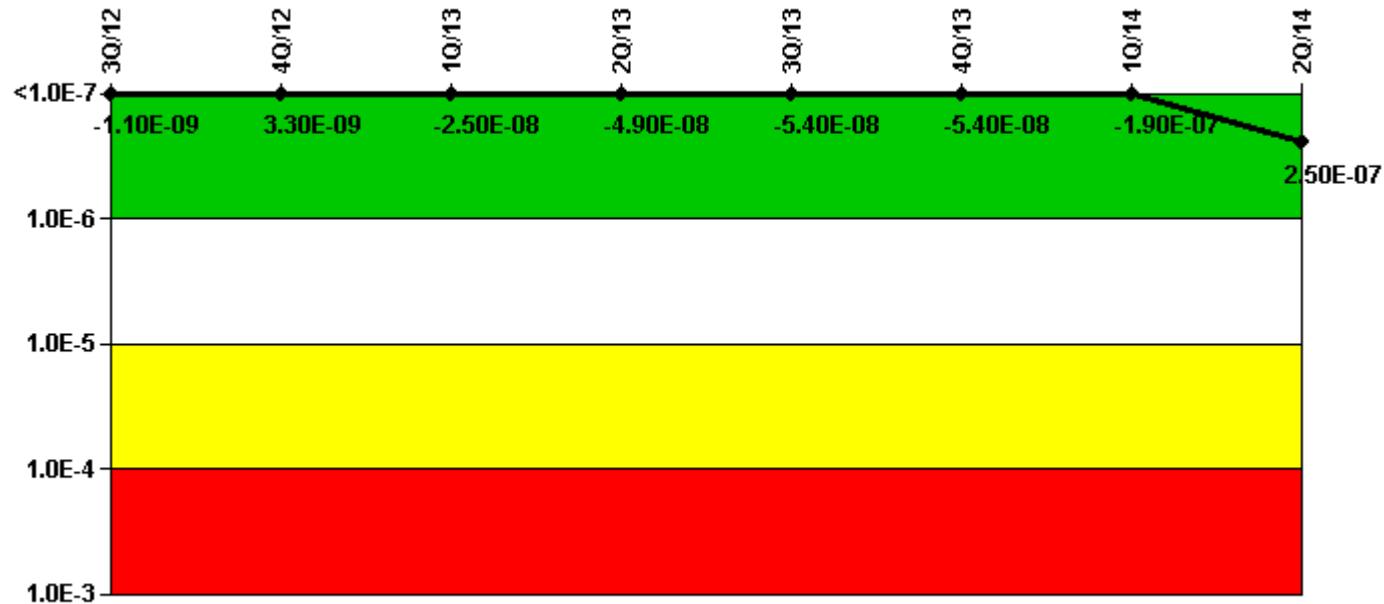
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	2.02E-07	1.68E-07	1.69E-07	9.72E-08	8.68E-08	1.25E-07	5.34E-08	1.22E-07
URI ( $\Delta$ CDF)	2.94E-07	2.98E-07	3.19E-07	1.34E-07	1.46E-07	-3.00E-08	-1.08E-07	-1.01E-07
PLE	NO	NO						
<b>Indicator value</b>	<b>5.00E-07</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

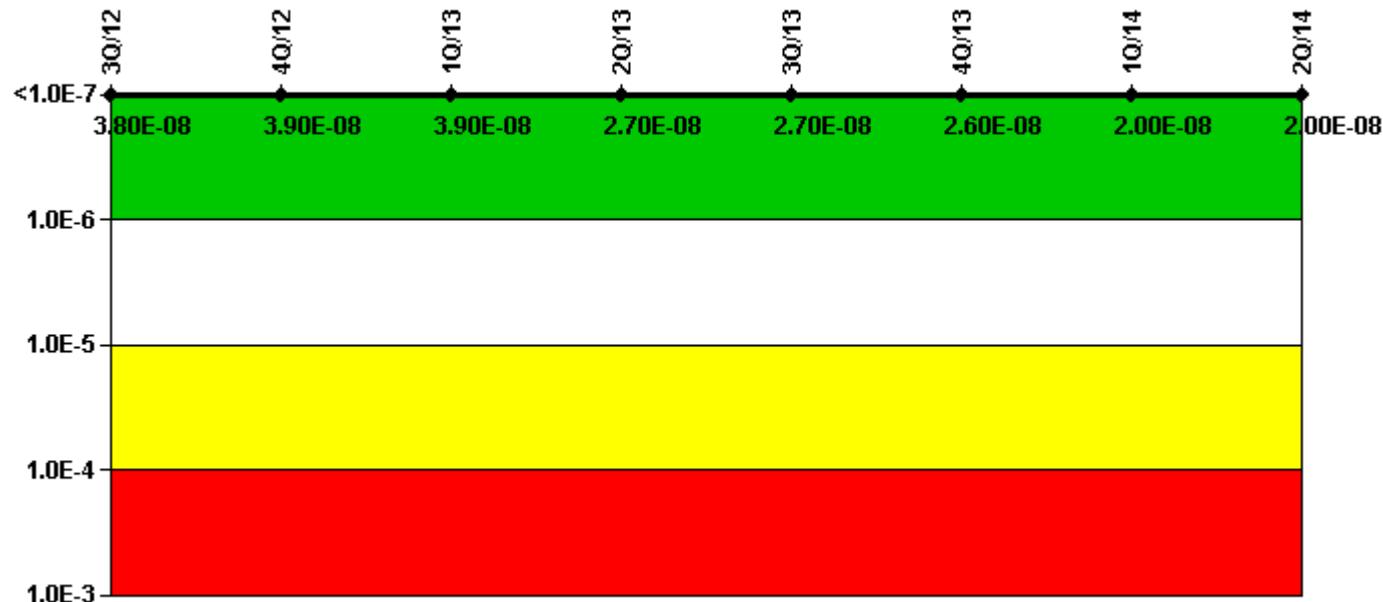
Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	3.96E-08	4.40E-08	1.01E-08	-1.75E-08	-2.24E-08	-2.11E-08	-7.73E-08	-7.44E-08
URI ( $\Delta$ CDF)	-4.07E-08	-4.07E-08	-3.55E-08	-3.14E-08	-3.15E-08	-3.29E-08	-1.16E-07	3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.10E-09</b>	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	2.44E-08	2.52E-08	2.41E-08	1.04E-08	1.03E-08	9.96E-09	4.27E-09	4.21E-09
URI ( $\Delta$ CDF)	1.35E-08	1.35E-08	1.51E-08	1.62E-08	1.63E-08	1.62E-08	1.58E-08	1.57E-08
PLE	NO							
<b>Indicator value</b>	<b>3.80E-08</b>	<b>3.90E-08</b>	<b>3.90E-08</b>	<b>2.70E-08</b>	<b>2.70E-08</b>	<b>2.60E-08</b>	<b>2.00E-08</b>	<b>2.00E-08</b>

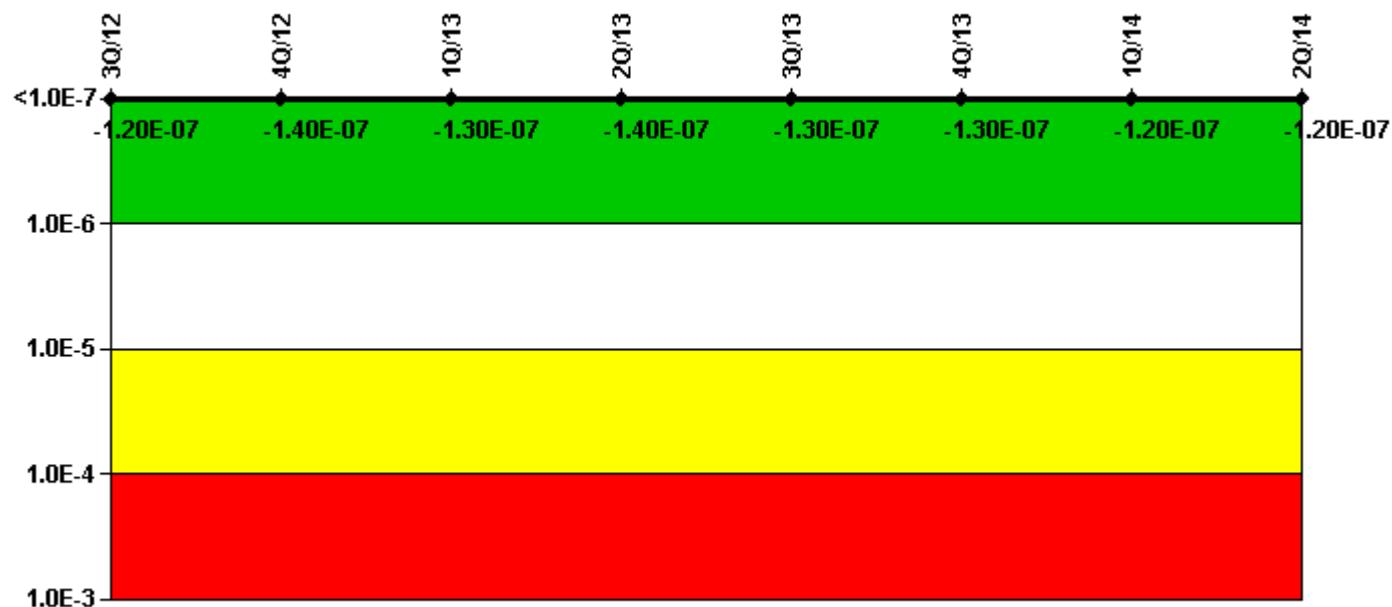
Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

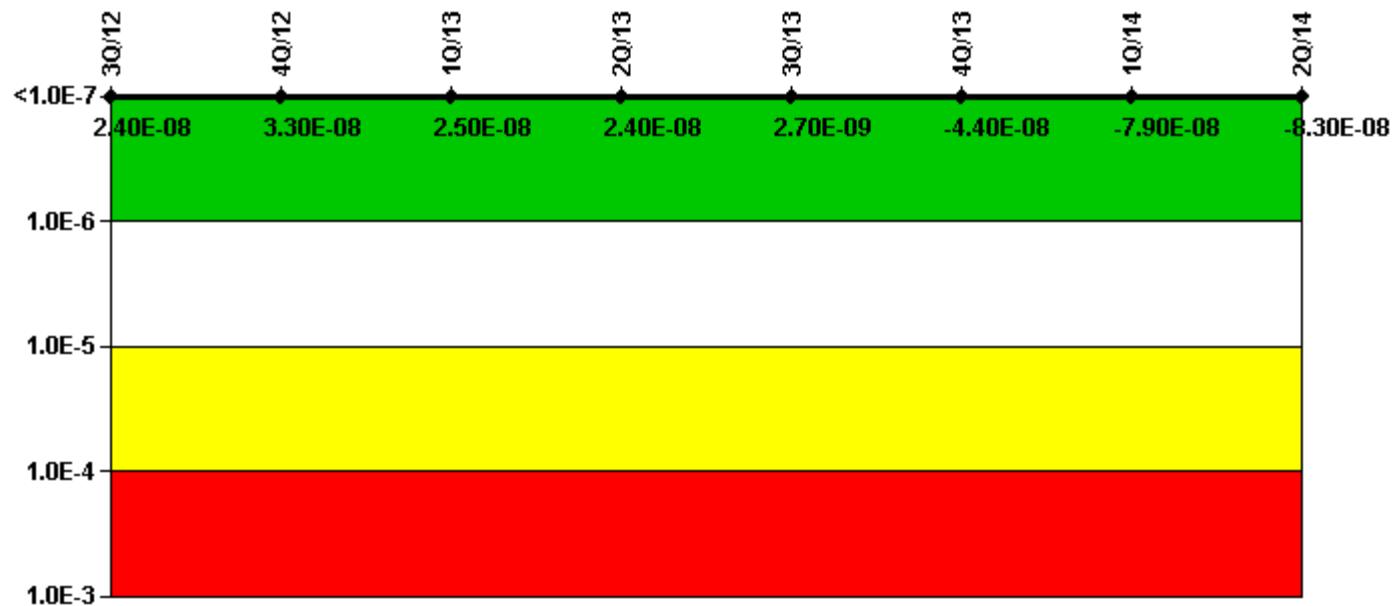
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	2.58E-09	-1.02E-08	-1.10E-08	-1.88E-08	-4.08E-09	-4.52E-09	1.39E-08	1.38E-08
URI ( $\Delta$ CDF)	-1.21E-07	-1.26E-07	-1.23E-07	-1.20E-07	-1.23E-07	-1.27E-07	-1.32E-07	-1.34E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.20E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

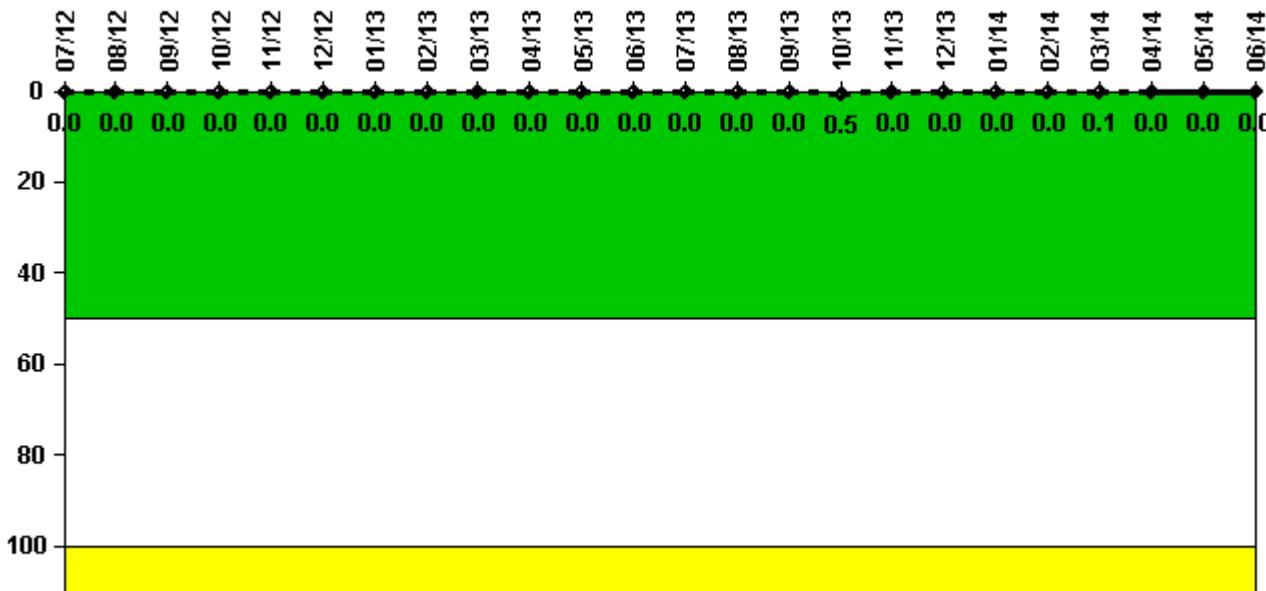
Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	1.02E-07	1.13E-07	1.05E-07	1.05E-07	8.50E-08	4.20E-08	1.47E-10	1.50E-10
URI ( $\Delta$ CDF)	-7.76E-08	-8.03E-08	-8.00E-08	-8.08E-08	-8.22E-08	-8.56E-08	-7.94E-08	-8.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.40E-08</b>	<b>3.30E-08</b>	<b>2.50E-08</b>	<b>2.40E-08</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

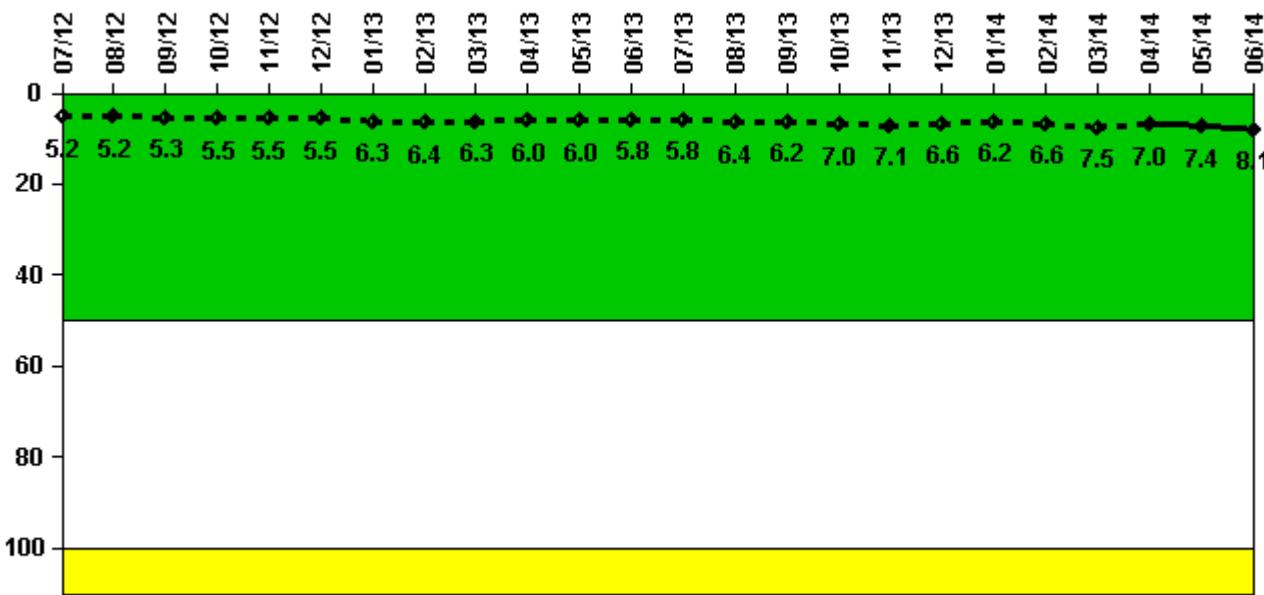
#### Notes

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000003	0.000003	0.000009	0.000003	0.000003	0.000003	0.000006	0.000002	0.000004	0.000005	0.000006	0.000008
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	0
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012
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												

<b>value</b>	0	0	0	0.5	0	0	0	0	0.1	0	0	0
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Licensee Comments: none

### **Reactor Coolant System Leakage**



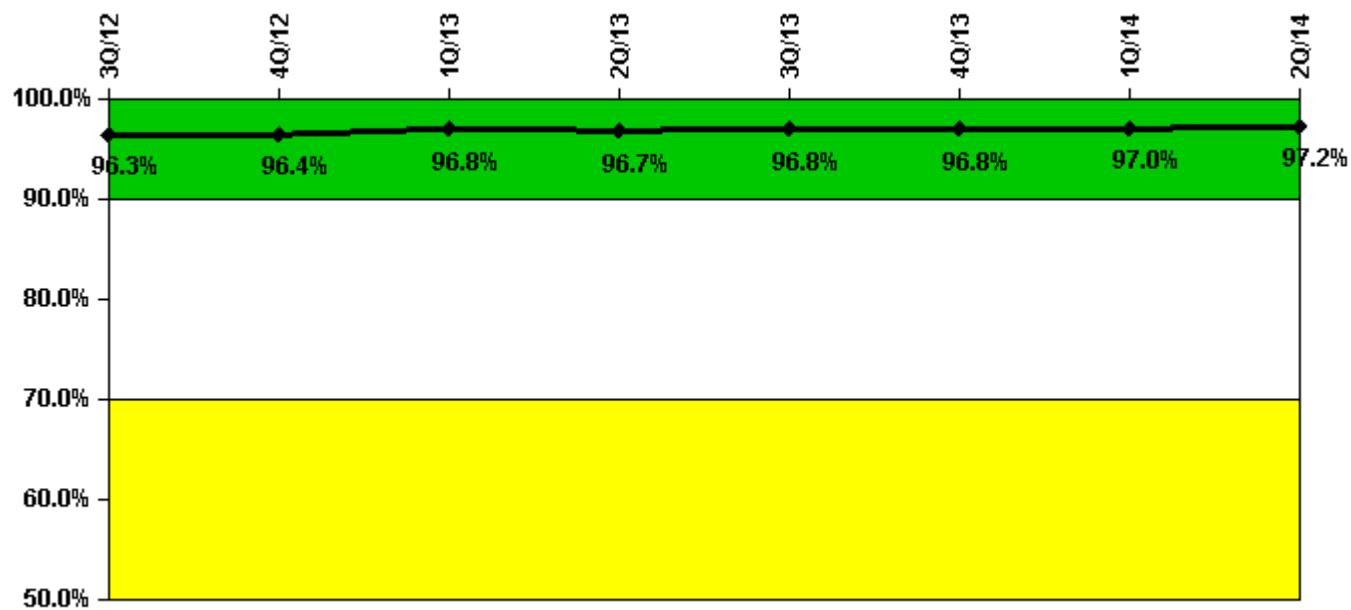
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	1.560	1.550	1.600	1.660	1.650	1.660	1.890	1.910	1.880	1.810	1.800	1.730
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	5.2	5.2	5.3	5.5	5.5	5.5	6.3	6.4	6.3	6.0	6.0	5.8
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	1.740	1.910	1.850	2.110	2.140	1.970	1.850	1.980	2.240	2.100	2.210	2.430
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	5.8	6.4	6.2	7.0	7.1	6.6	6.2	6.6	7.5	7.0	7.4	8.1

Licensee Comments: none

### **Drill/Exercise Performance**



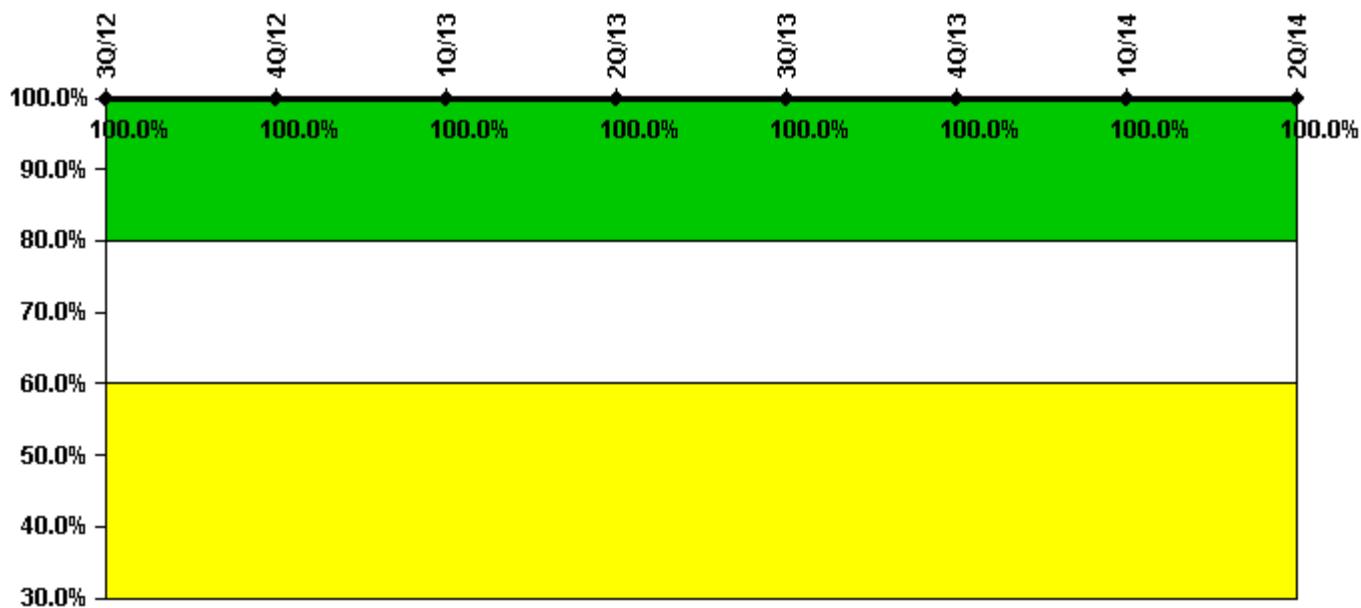
Thresholds: White < 90.0% Yellow < 70.0%

#### **Notes**

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	61.0	14.0	40.0	51.0	38.0	48.0	32.0	64.0
Total opportunities	65.0	14.0	40.0	54.0	38.0	50.0	32.0	65.0
<b>Indicator value</b>	<b>96.3%</b>	<b>96.4%</b>	<b>96.8%</b>	<b>96.7%</b>	<b>96.8%</b>	<b>96.8%</b>	<b>97.0%</b>	<b>97.2%</b>

Licensee Comments: none

### ERO Drill Participation



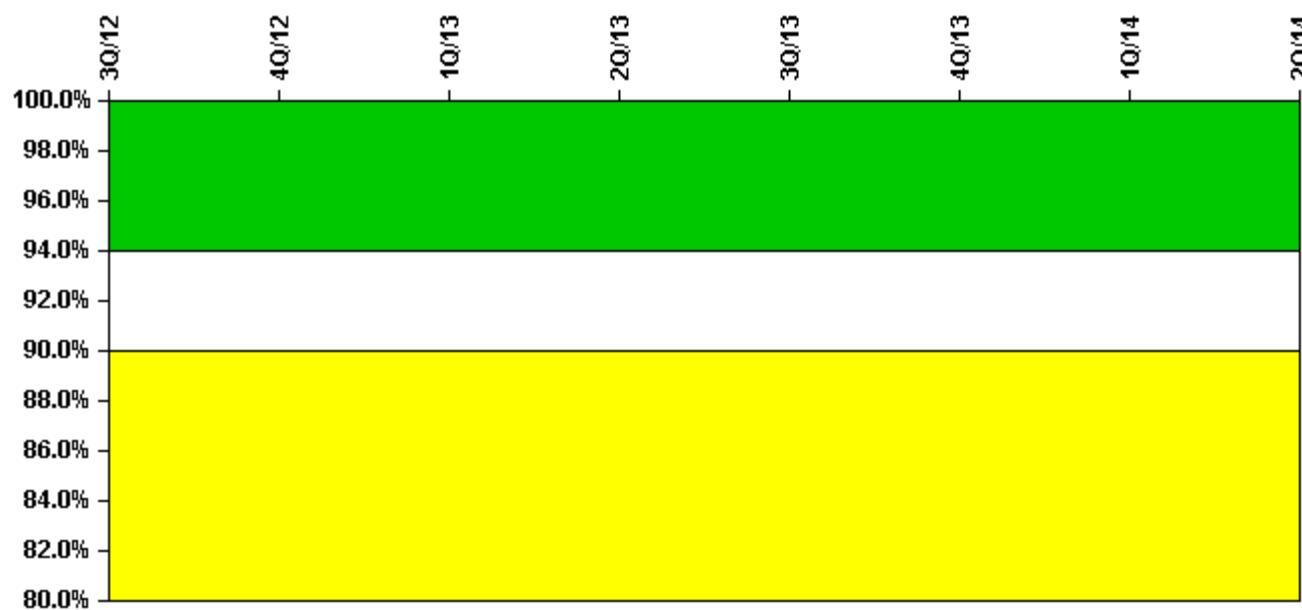
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	134.0	130.0	110.0	112.0	110.0	111.0	110.0	106.0
Total Key personnel	134.0	130.0	110.0	112.0	110.0	111.0	110.0	106.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests								1040
Total sirens-tests								1040
<b>Indicator value</b>								

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

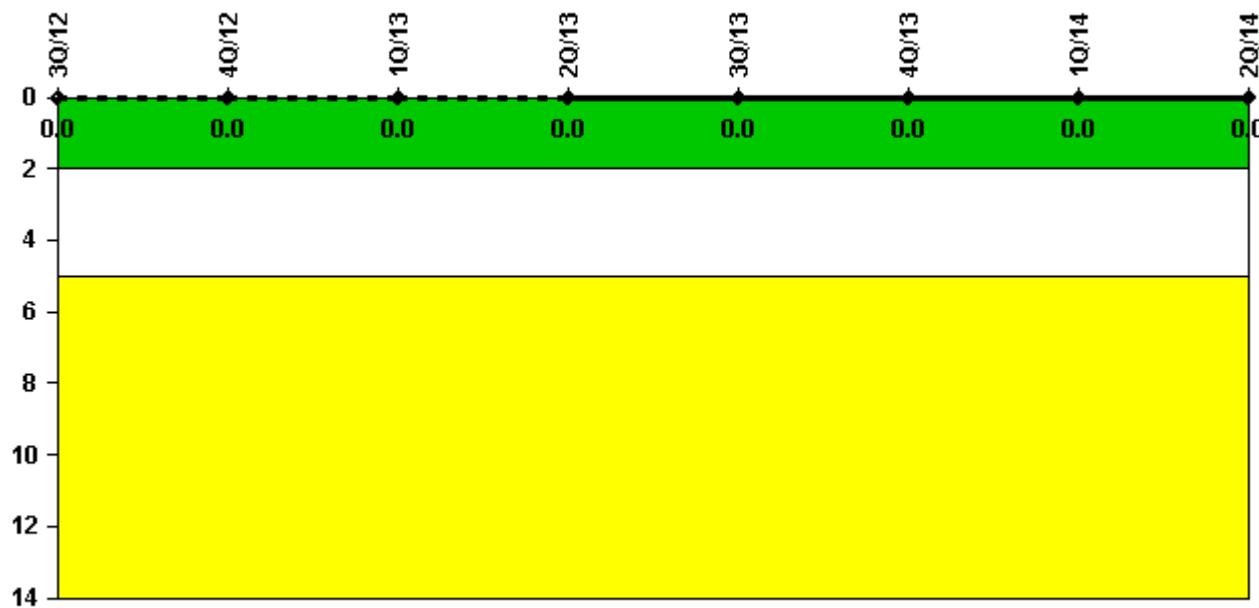
2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



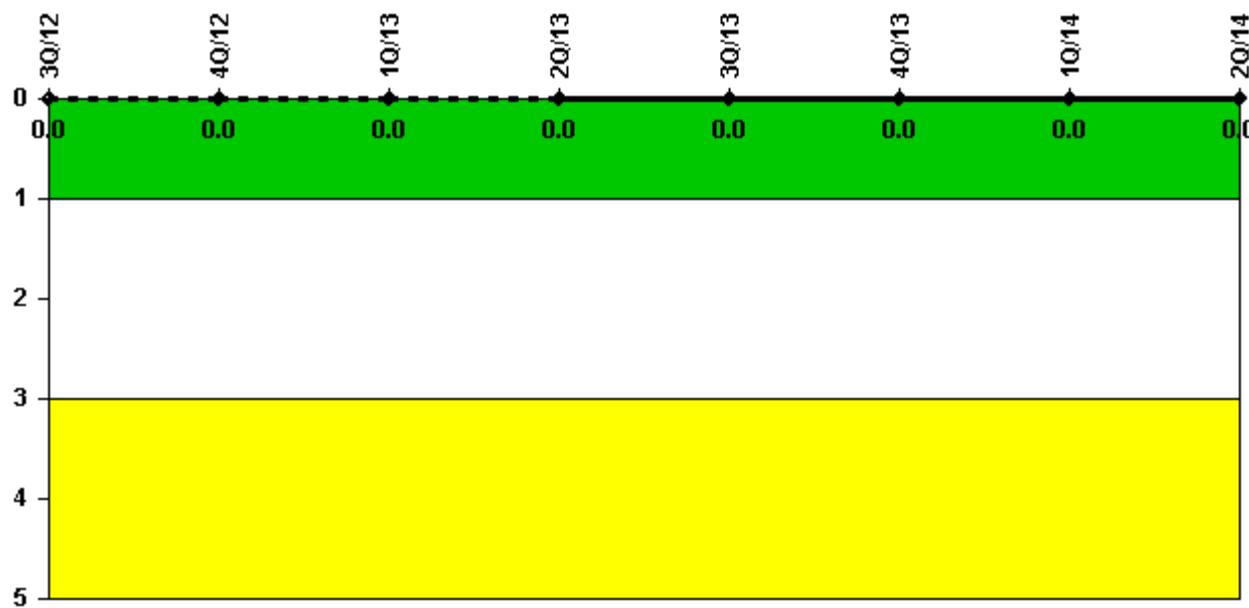
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

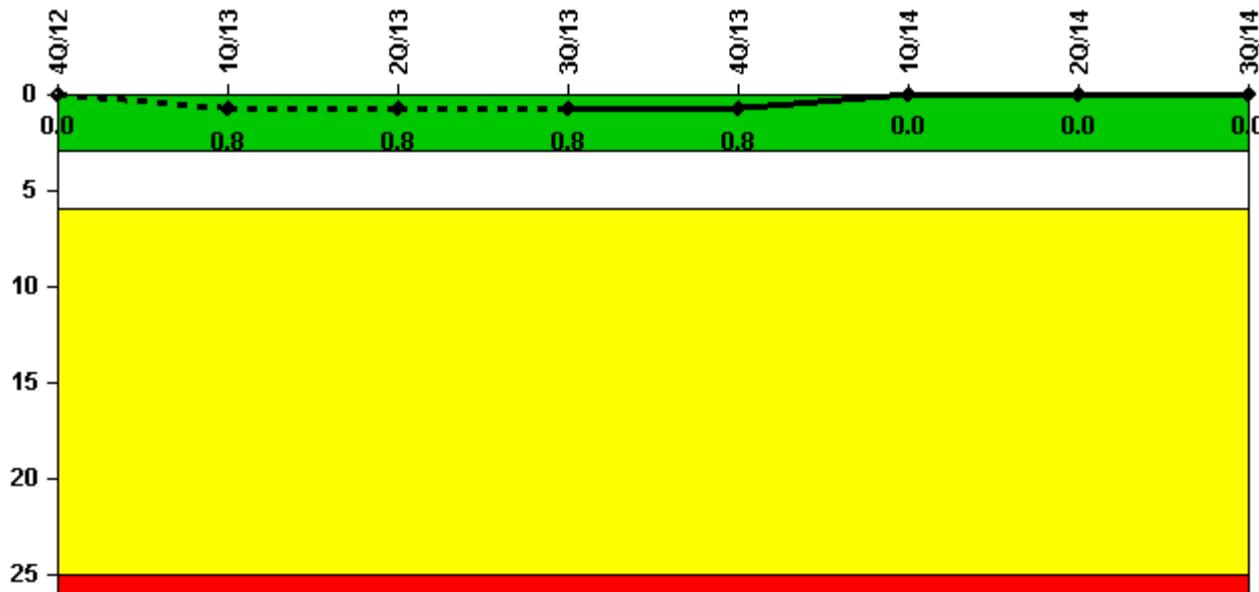
 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: July 31, 2014*

**Hatch 1****3Q/2014 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

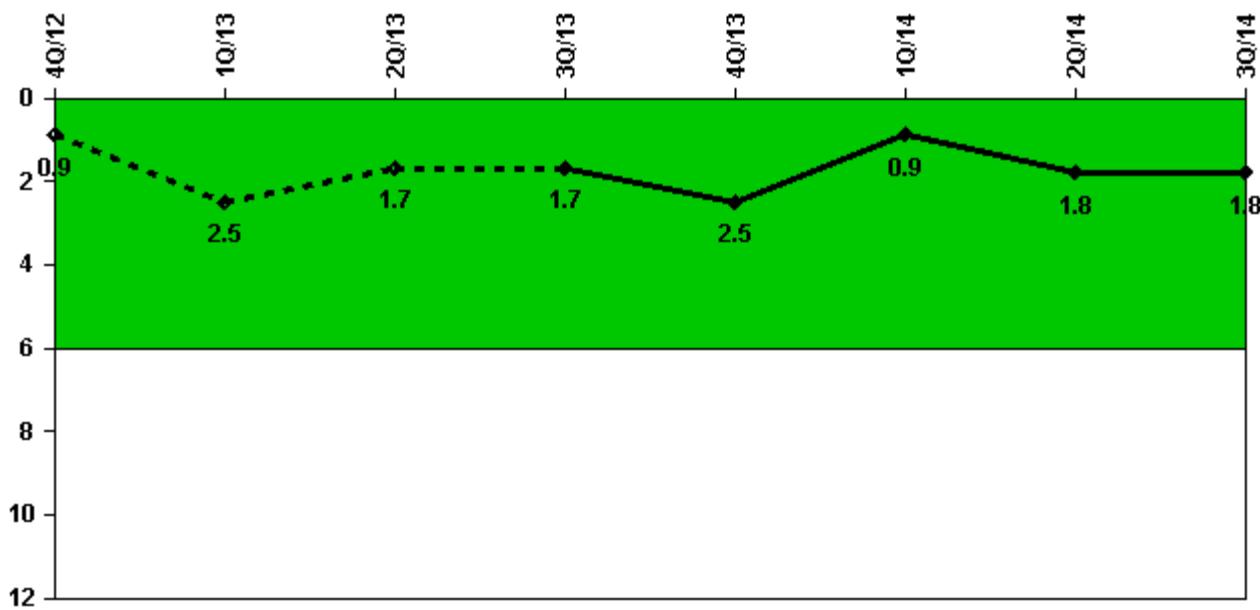
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



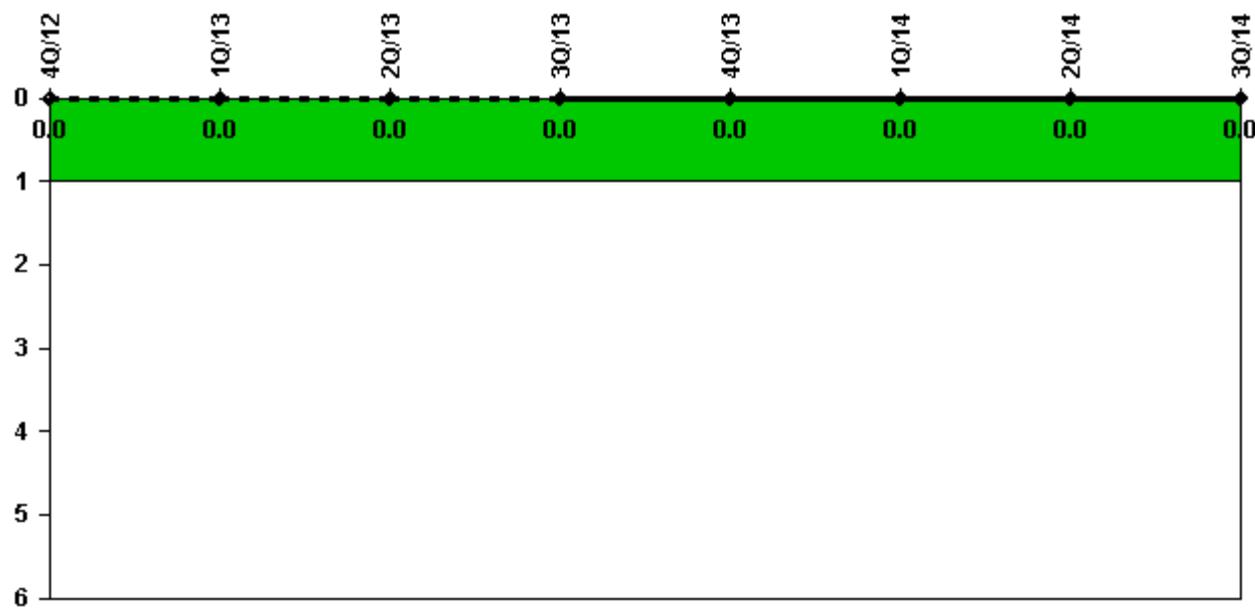
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	2.0	0	0	1.0	0	1.0	0
Critical hours	2209.0	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



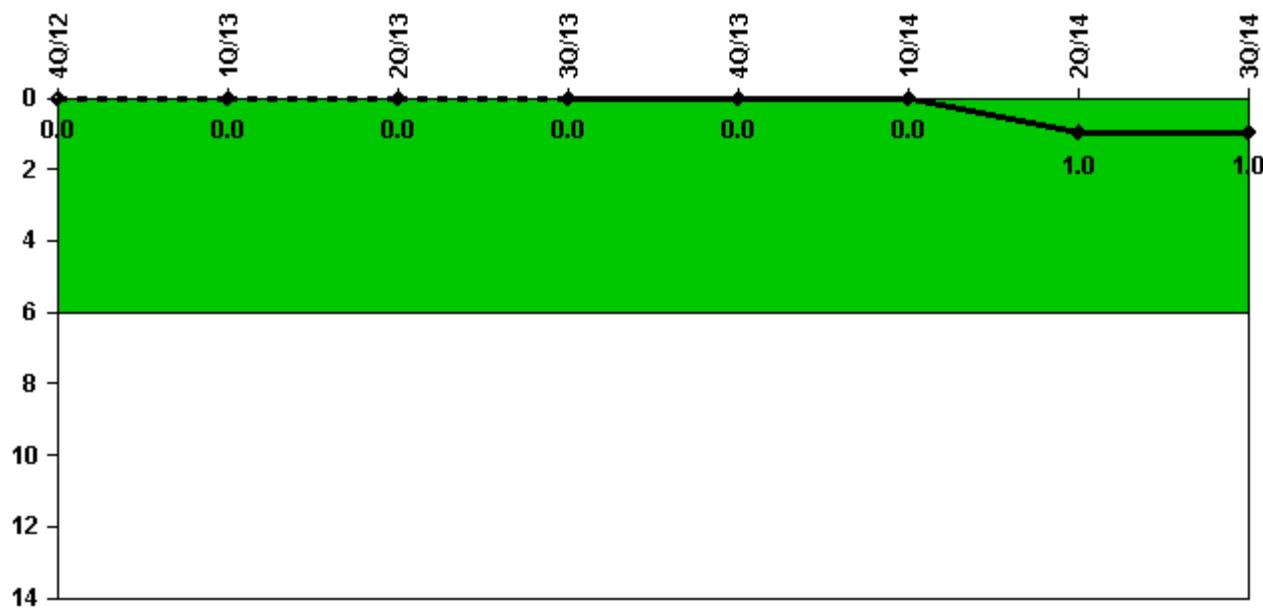
Thresholds: White > 1.0

#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

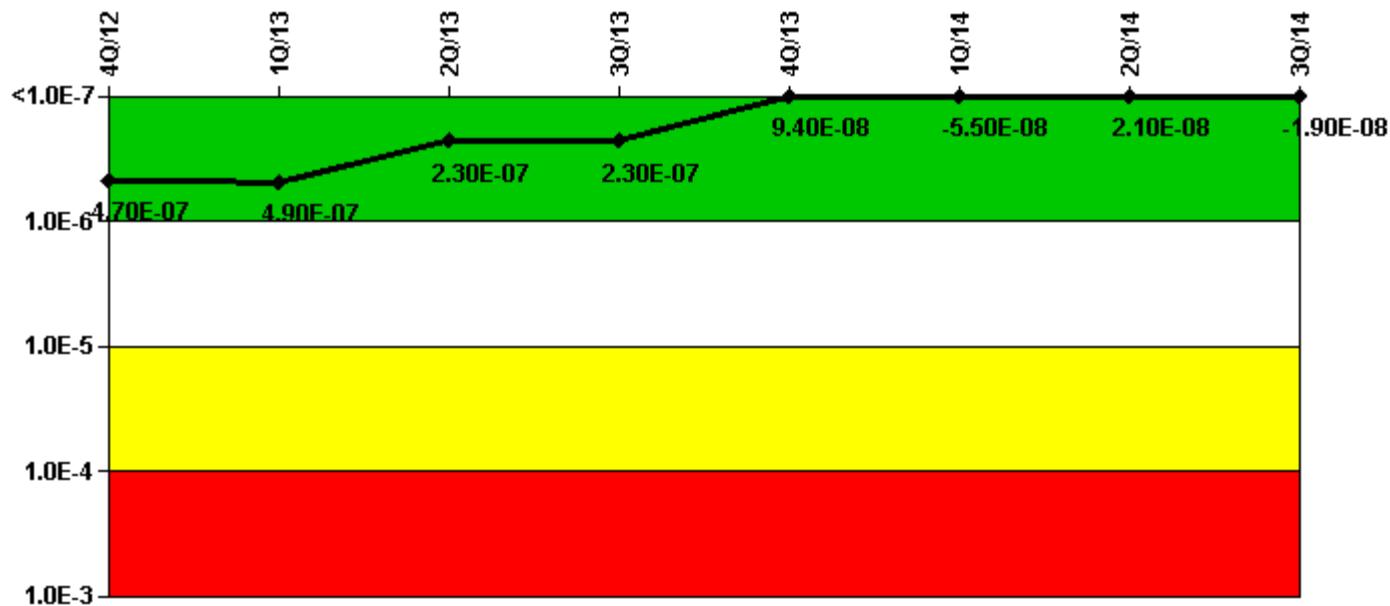
### Notes

Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

### Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

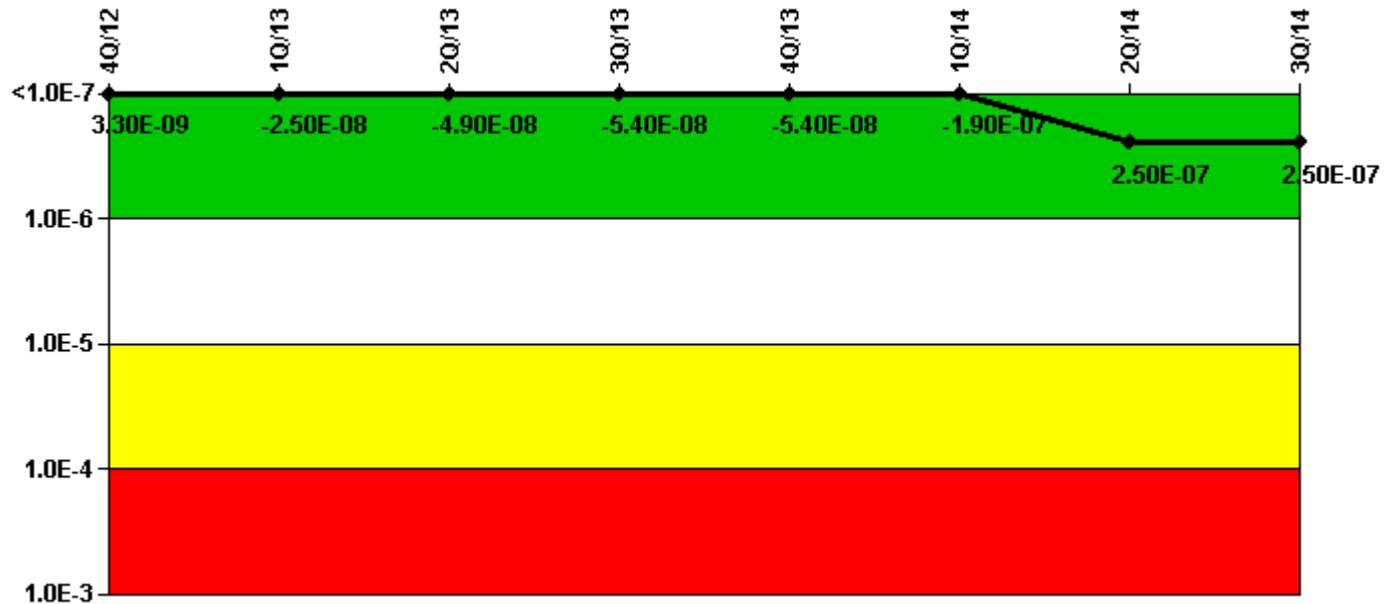
Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	1.68E-07	1.69E-07	9.72E-08	8.68E-08	1.25E-07	5.34E-08	1.22E-07	7.52E-08
URI ( $\Delta$ CDF)	2.98E-07	3.19E-07	1.34E-07	1.46E-07	-3.00E-08	-1.08E-07	-1.01E-07	-9.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.70E-07</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

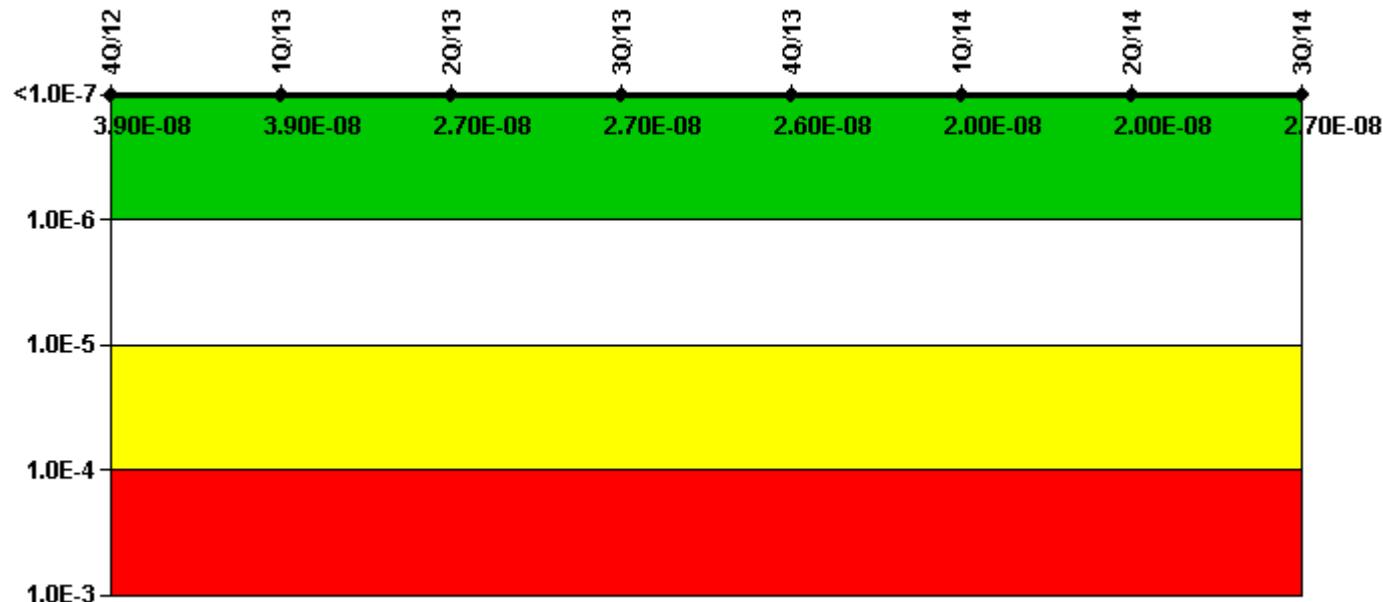
Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	4.40E-08	1.01E-08	-1.75E-08	-2.24E-08	-2.11E-08	-7.73E-08	-7.44E-08	-7.44E-08
URI ( $\Delta$ CDF)	-4.07E-08	-3.55E-08	-3.14E-08	-3.15E-08	-3.29E-08	-1.16E-07	3.25E-07	3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>3.30E-09</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	2.52E-08	2.41E-08	1.04E-08	1.03E-08	9.96E-09	4.27E-09	4.21E-09	1.21E-08
URI ( $\Delta$ CDF)	1.35E-08	1.51E-08	1.62E-08	1.63E-08	1.62E-08	1.58E-08	1.57E-08	1.46E-08
PLE	NO							
<b>Indicator value</b>	<b>3.90E-08</b>	<b>3.90E-08</b>	<b>2.70E-08</b>	<b>2.70E-08</b>	<b>2.60E-08</b>	<b>2.00E-08</b>	<b>2.00E-08</b>	<b>2.70E-08</b>

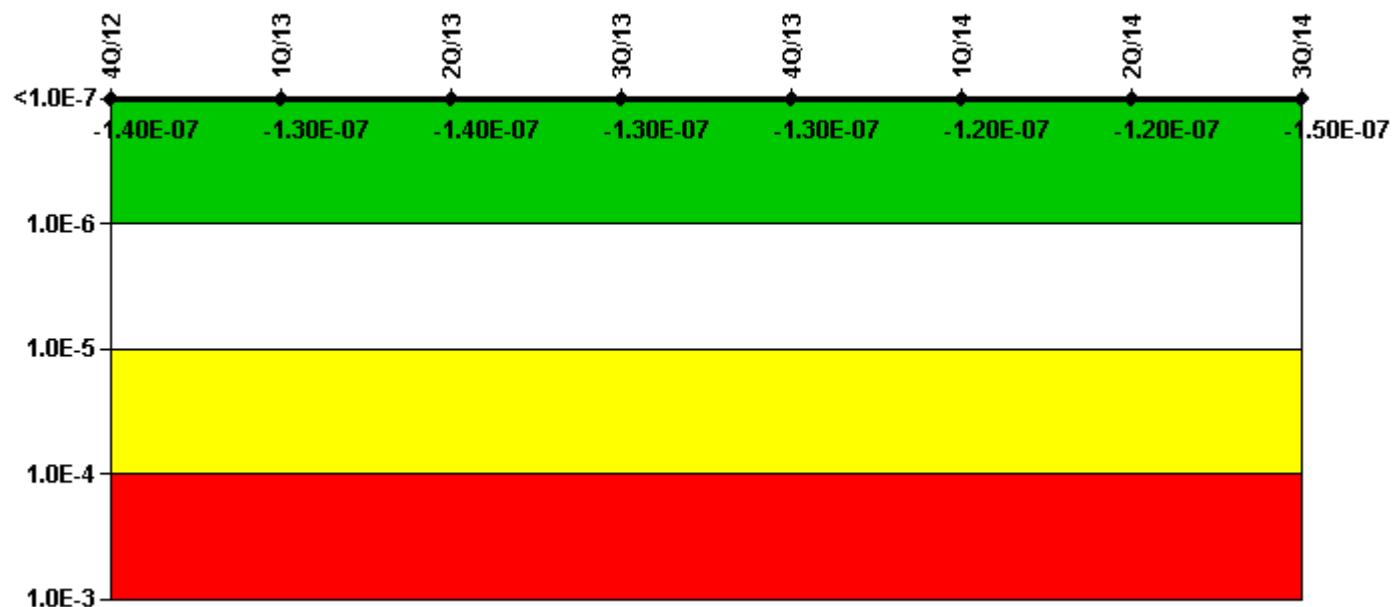
Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

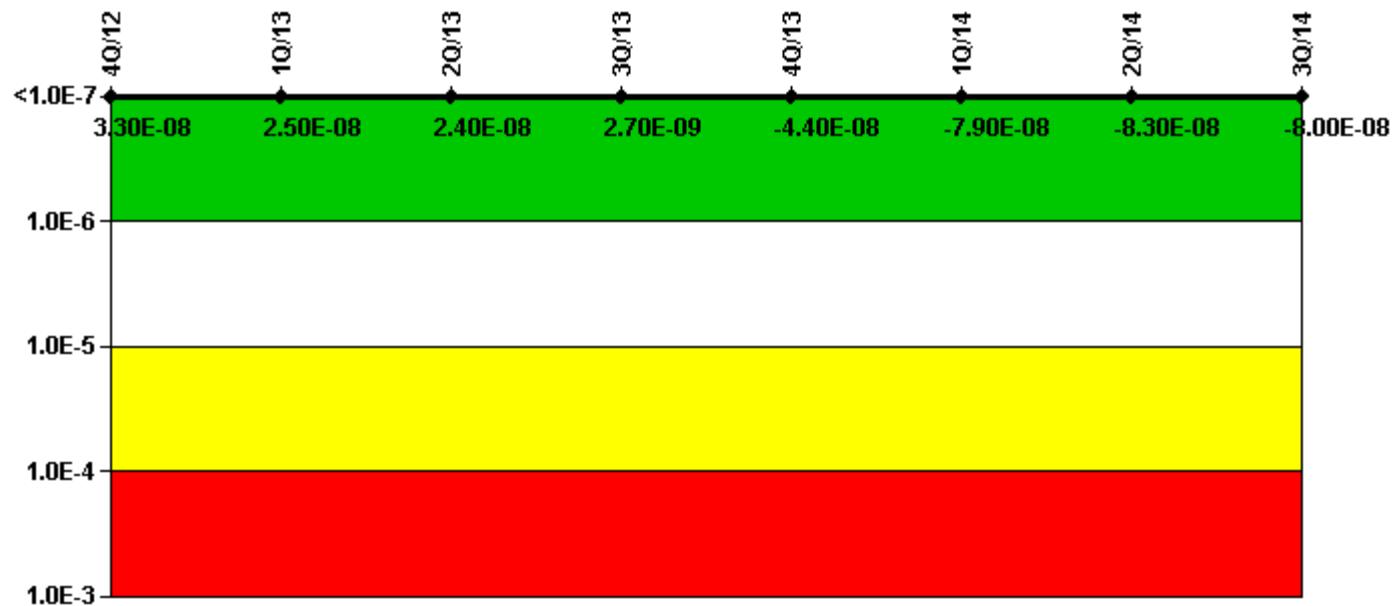
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	-1.02E-08	-1.10E-08	-1.88E-08	-4.08E-09	-4.52E-09	1.39E-08	1.38E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.26E-07	-1.23E-07	-1.20E-07	-1.23E-07	-1.27E-07	-1.32E-07	-1.34E-07	-1.33E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

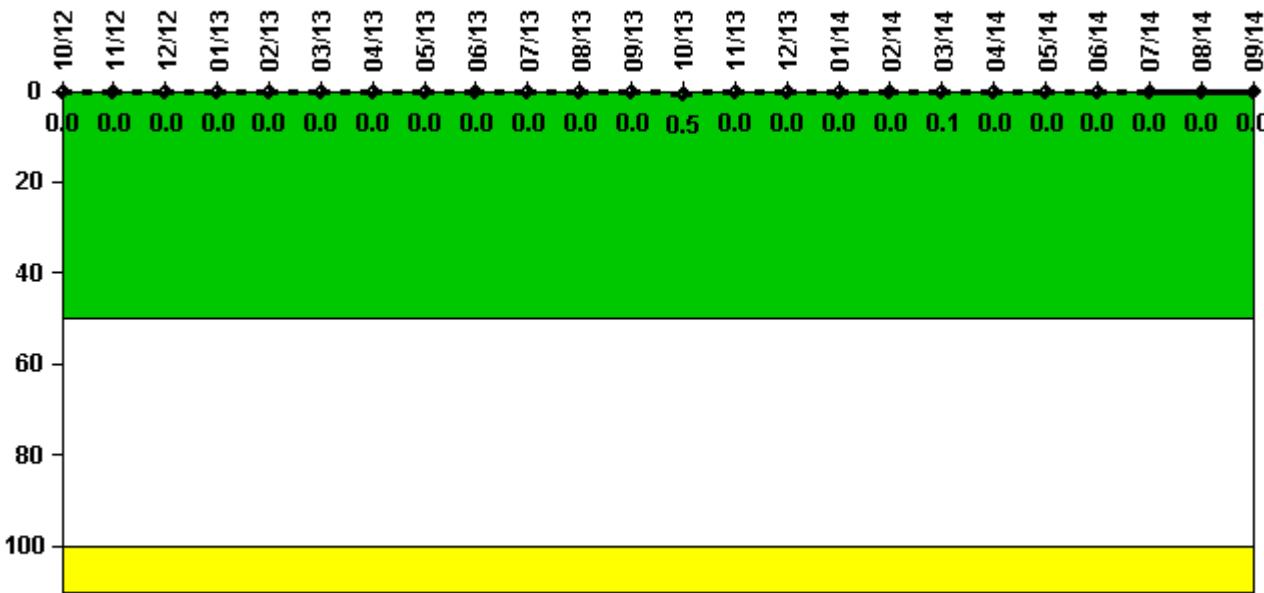
Mitigating Systems Performance Index, Cooling Water Systems	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	1.13E-07	1.05E-07	1.05E-07	8.50E-08	4.20E-08	1.47E-10	1.50E-10	4.48E-09
URI ( $\Delta$ CDF)	-8.03E-08	-8.00E-08	-8.08E-08	-8.22E-08	-8.56E-08	-7.94E-08	-8.28E-08	-8.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>3.30E-08</b>	<b>2.50E-08</b>	<b>2.40E-08</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

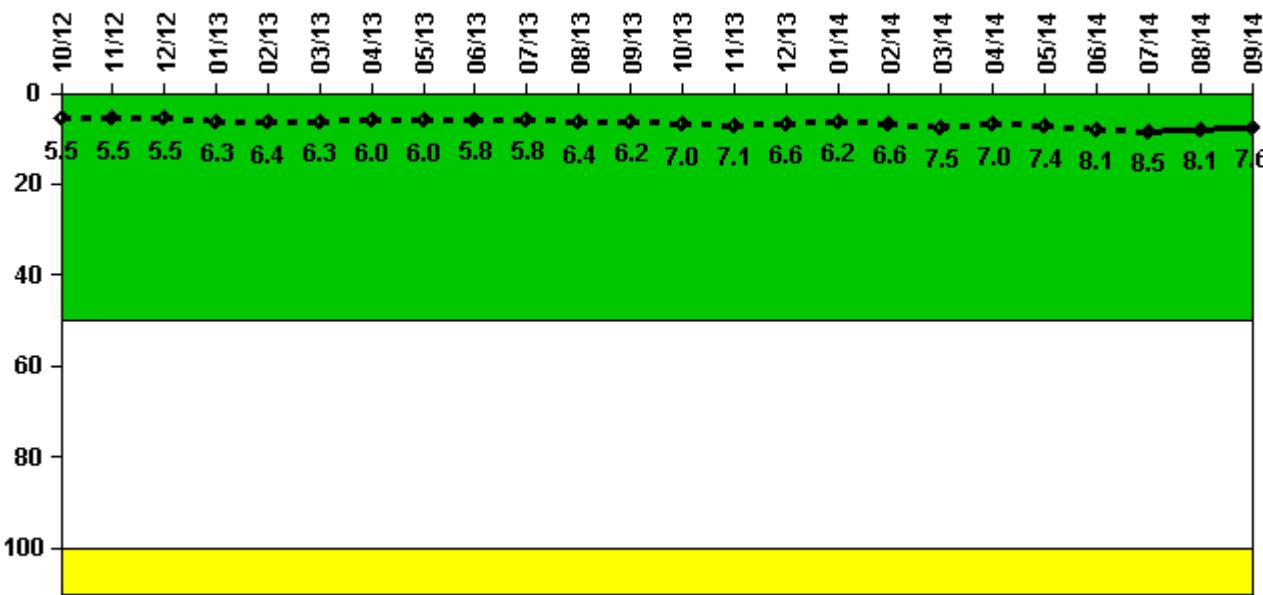
#### Notes

Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000003	0.000003	0.000003	0.000006	0.000002	0.000004	0.000005	0.000006	0.000008	0.000010	0.000020	0.000010
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	0
Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004
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												

<b>value</b>	0.5	0	0	0	0	0.1	0	0	0	0	0	0	0
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Licensee Comments: none

### **Reactor Coolant System Leakage**



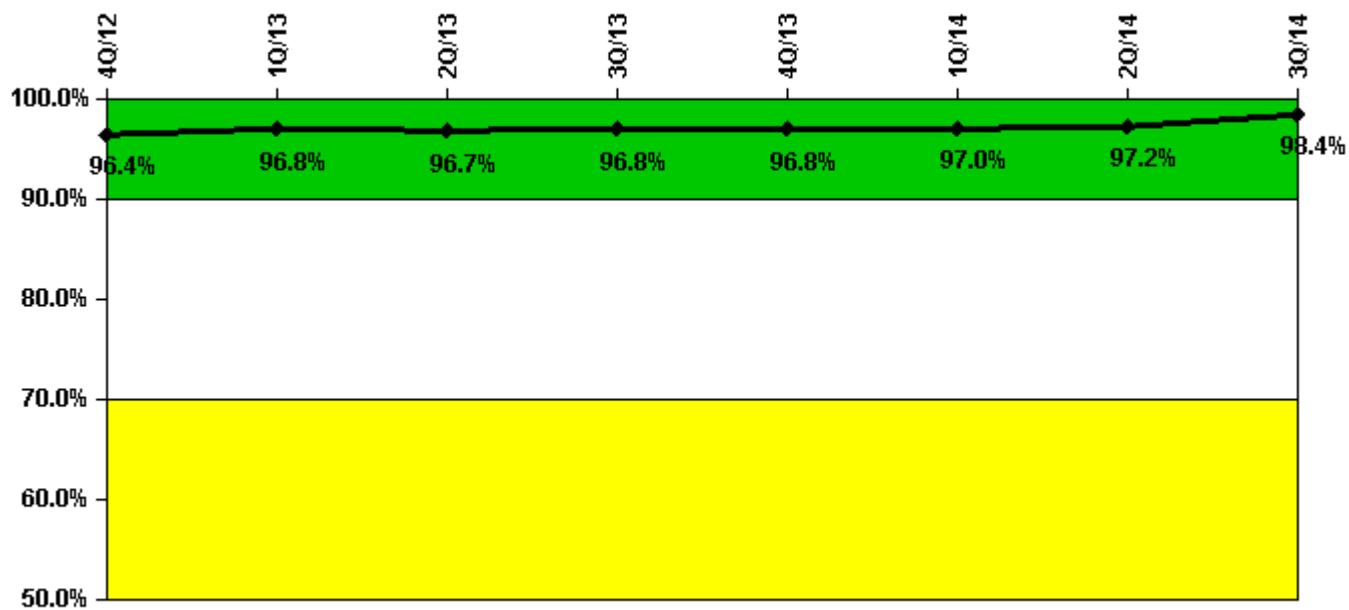
Thresholds: White > 50.0 Yellow > 100.0

#### **Notes**

<b>Reactor Coolant System Leakage</b>	<b>10/12</b>	<b>11/12</b>	<b>12/12</b>	<b>1/13</b>	<b>2/13</b>	<b>3/13</b>	<b>4/13</b>	<b>5/13</b>	<b>6/13</b>	<b>7/13</b>	<b>8/13</b>	<b>9/13</b>
Maximum leakage	1.660	1.650	1.660	1.890	1.910	1.880	1.810	1.800	1.730	1.740	1.910	1.850
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
<b>Indicator value</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>6.3</b>	<b>6.4</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>
<b>Reactor Coolant System Leakage</b>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>	<b>1/14</b>	<b>2/14</b>	<b>3/14</b>	<b>4/14</b>	<b>5/14</b>	<b>6/14</b>	<b>7/14</b>	<b>8/14</b>	<b>9/14</b>
Maximum leakage	2.110	2.140	1.970	1.850	1.980	2.240	2.100	2.210	2.430	2.550	2.420	2.290
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
<b>Indicator value</b>	<b>7.0</b>	<b>7.1</b>	<b>6.6</b>	<b>6.2</b>	<b>6.6</b>	<b>7.5</b>	<b>7.0</b>	<b>7.4</b>	<b>8.1</b>	<b>8.5</b>	<b>8.1</b>	<b>7.6</b>

Licensee Comments: none

### **Drill/Exercise Performance**



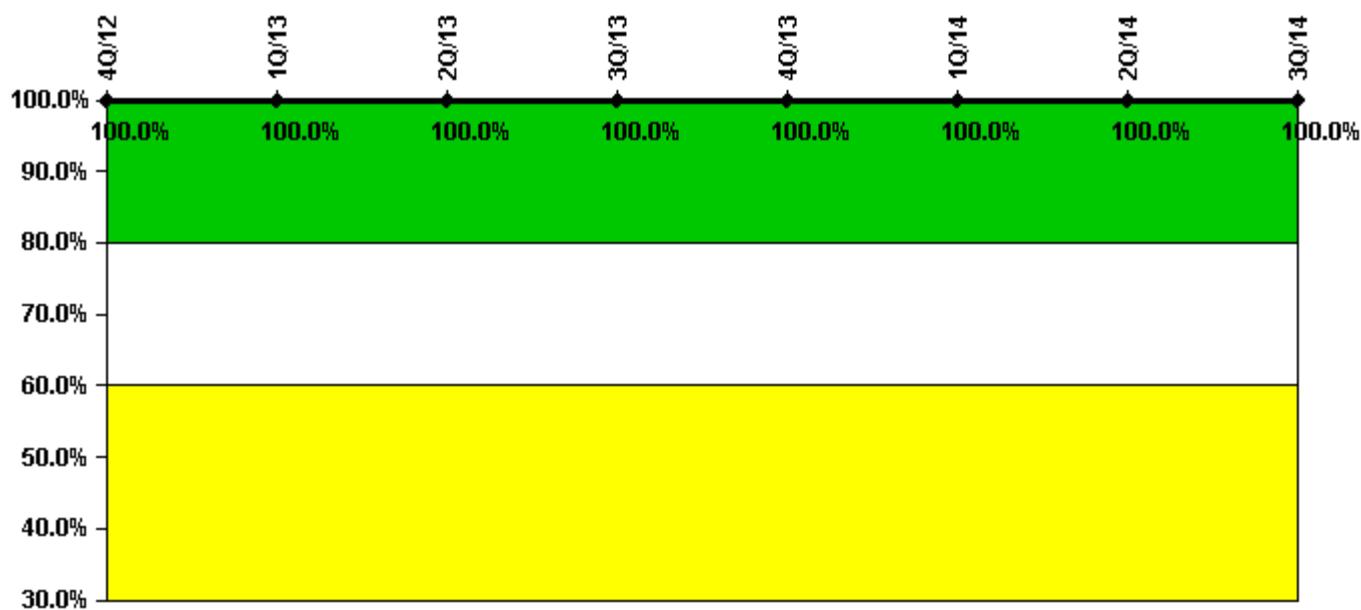
Thresholds: White < 90.0% Yellow < 70.0%

#### **Notes**

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	14.0	40.0	51.0	38.0	48.0	32.0	64.0	78.0
Total opportunities	14.0	40.0	54.0	38.0	50.0	32.0	65.0	78.0
<b>Indicator value</b>	<b>96.4%</b>	<b>96.8%</b>	<b>96.7%</b>	<b>96.8%</b>	<b>96.8%</b>	<b>97.0%</b>	<b>97.2%</b>	<b>98.4%</b>

Licensee Comments: none

### ERO Drill Participation



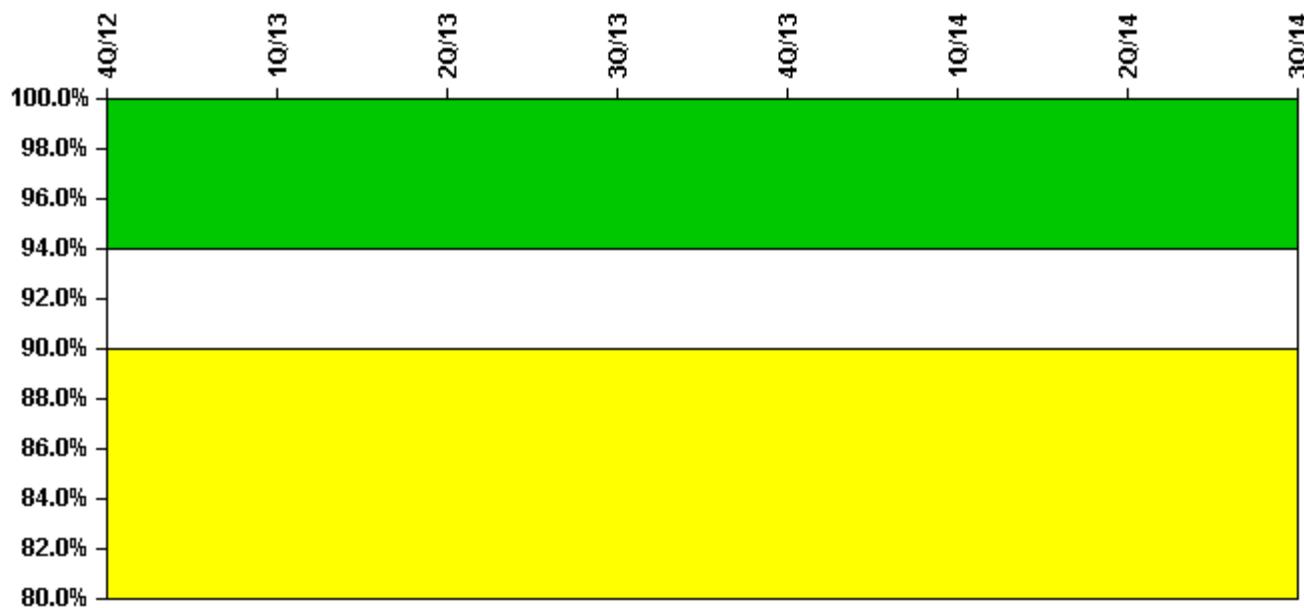
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	130.0	110.0	112.0	110.0	111.0	110.0	106.0	107.0
Total Key personnel	130.0	110.0	112.0	110.0	111.0	110.0	106.0	107.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests						1040	1117	
Total sirens-tests						1040	1119	
<b>Indicator value</b>								

### Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

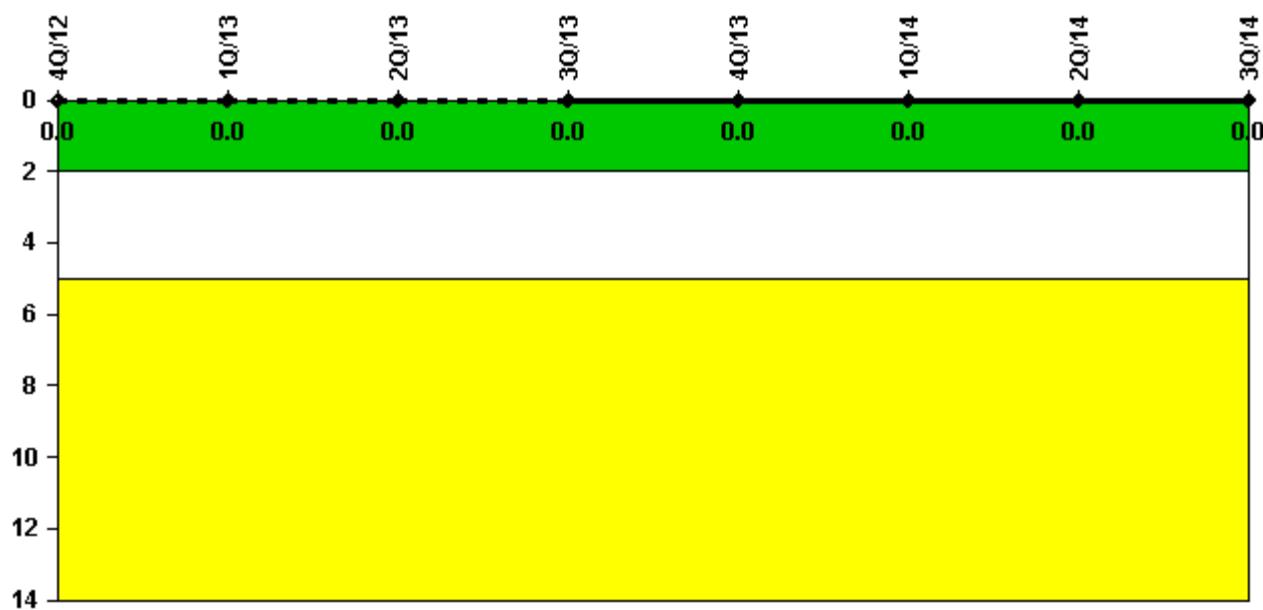
3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



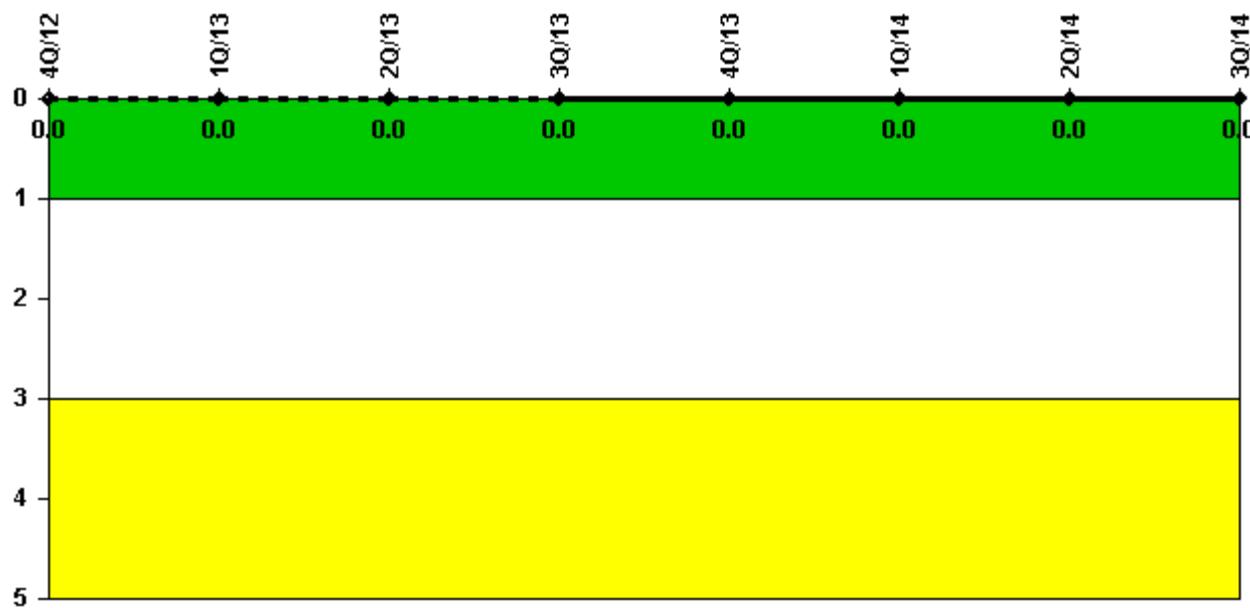
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
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

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

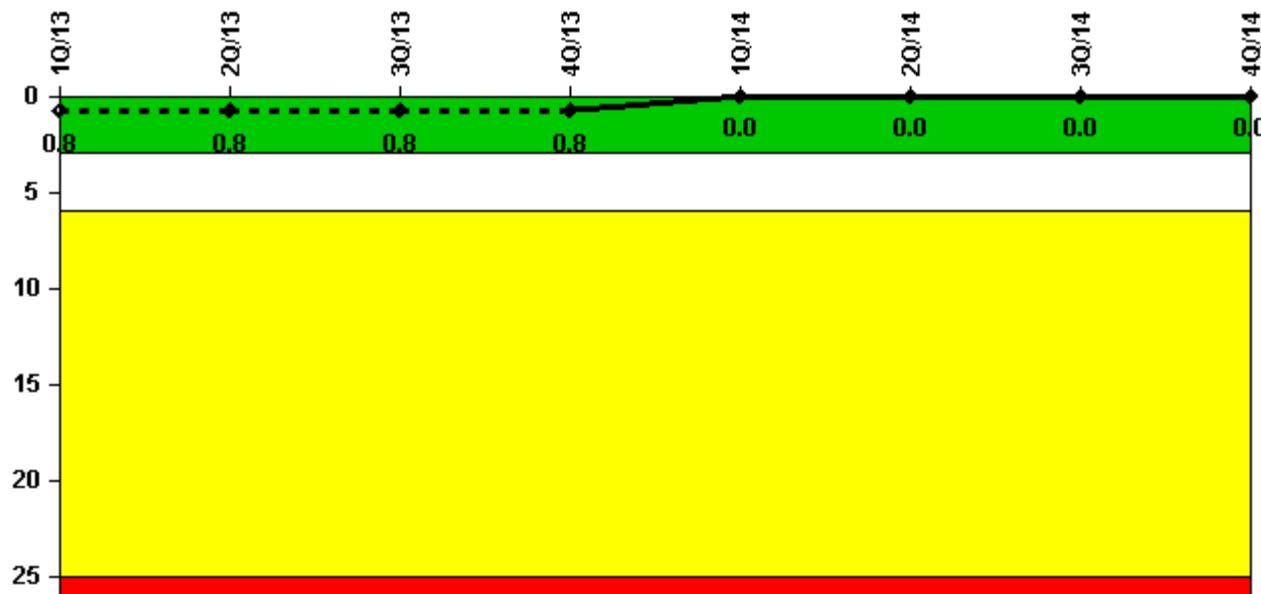
 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: November 3, 2014*

**Hatch 1****4Q/2014 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

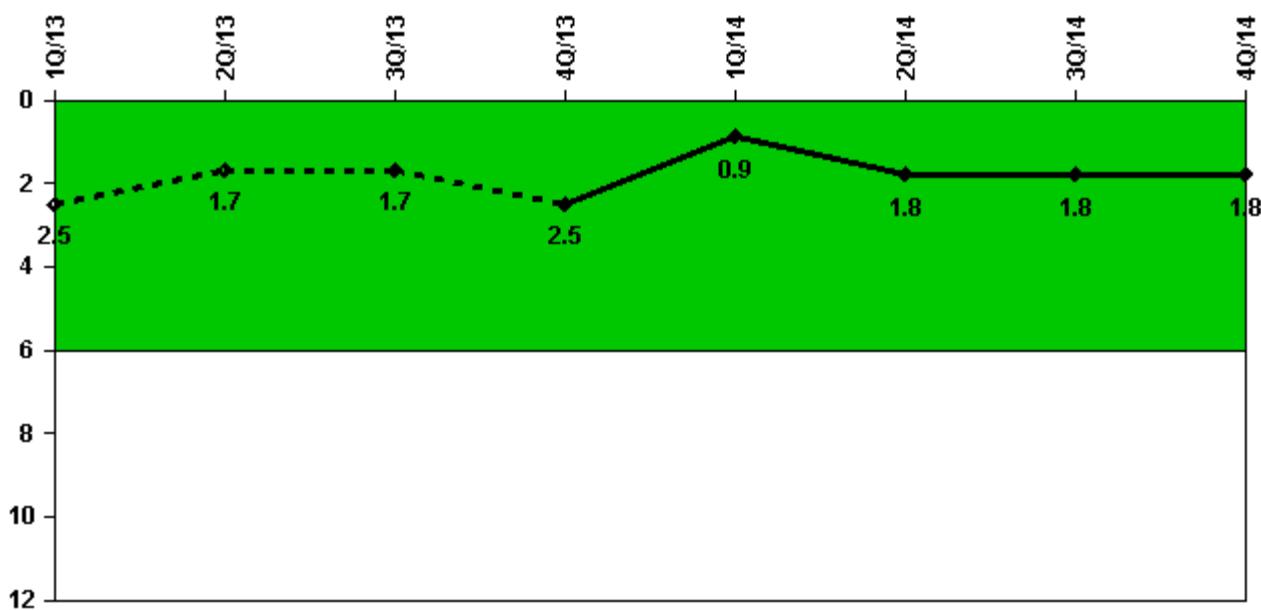
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4
Indicator value	0.8	0.8	0.8	0.8	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



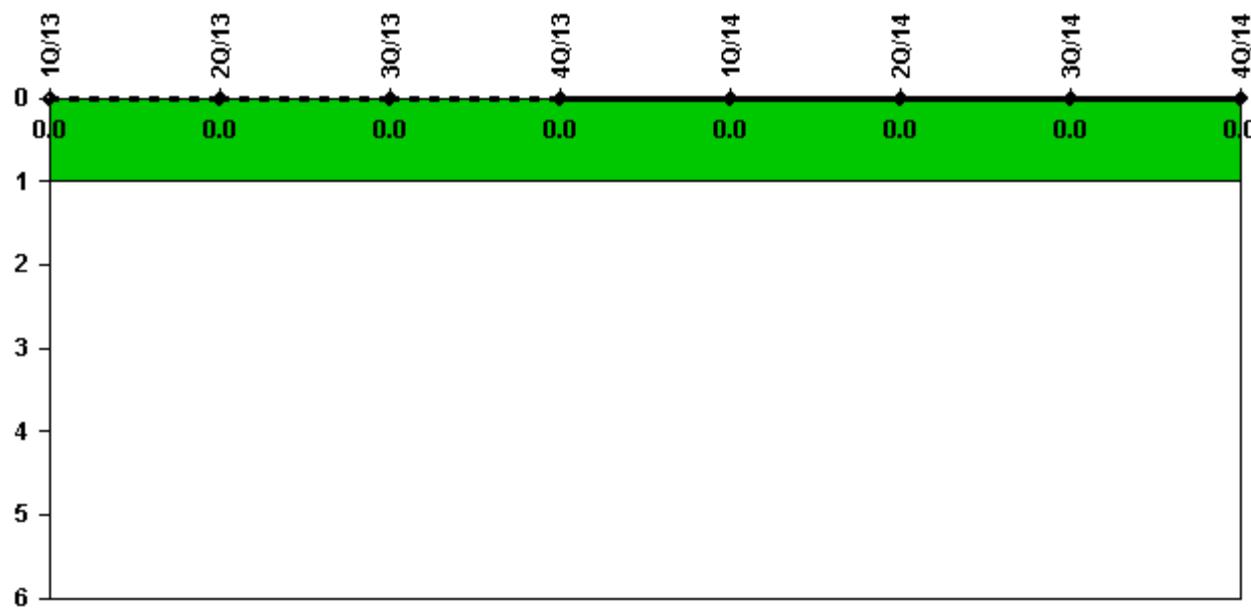
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	2.0	0	0	1.0	0	1.0	0	1.0
Critical hours	1790.9	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4
<b>Indicator value</b>	<b>2.5</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



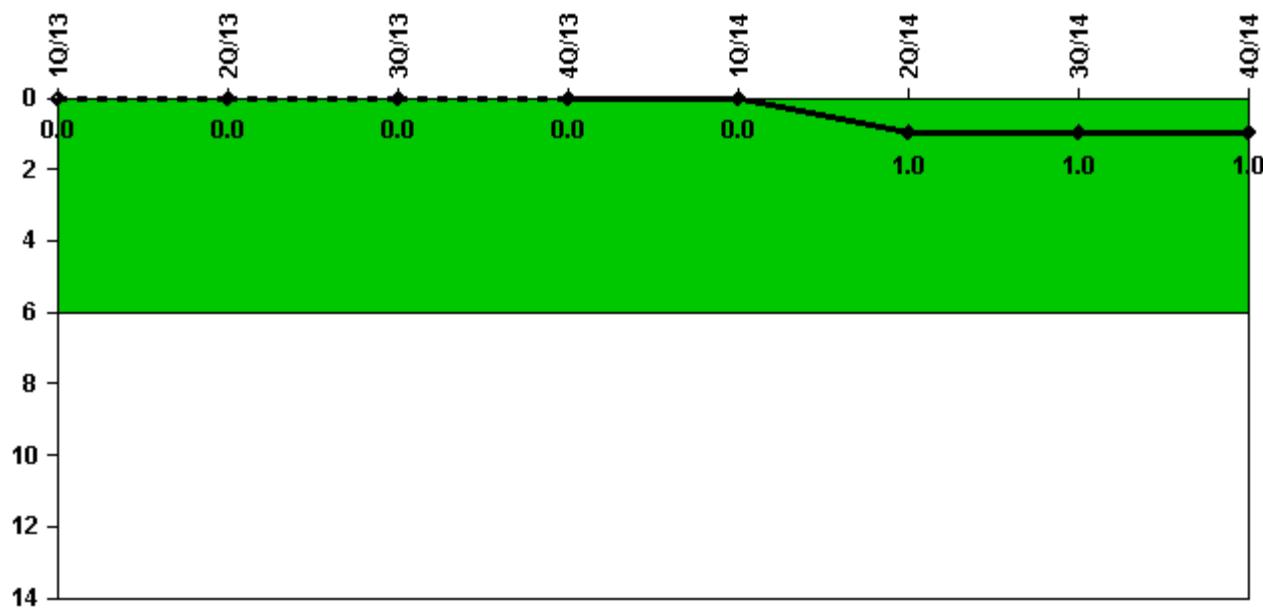
Thresholds: White > 1.0

#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

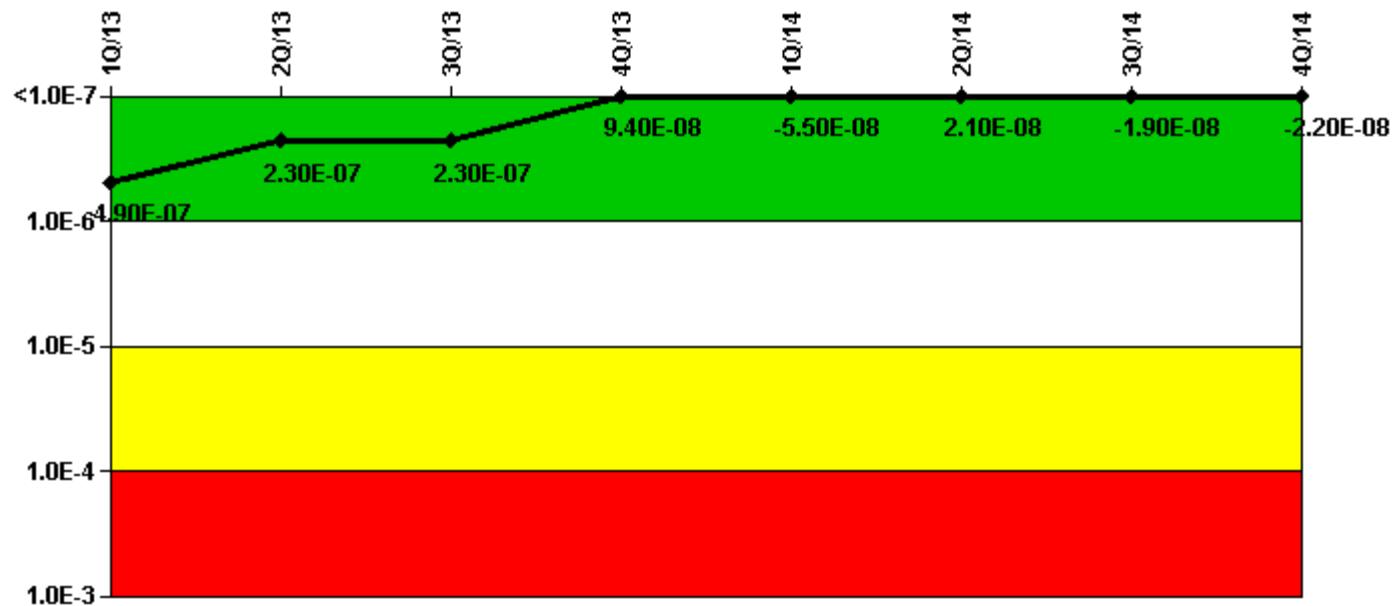
### Notes

Safety System Functional Failures (BWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

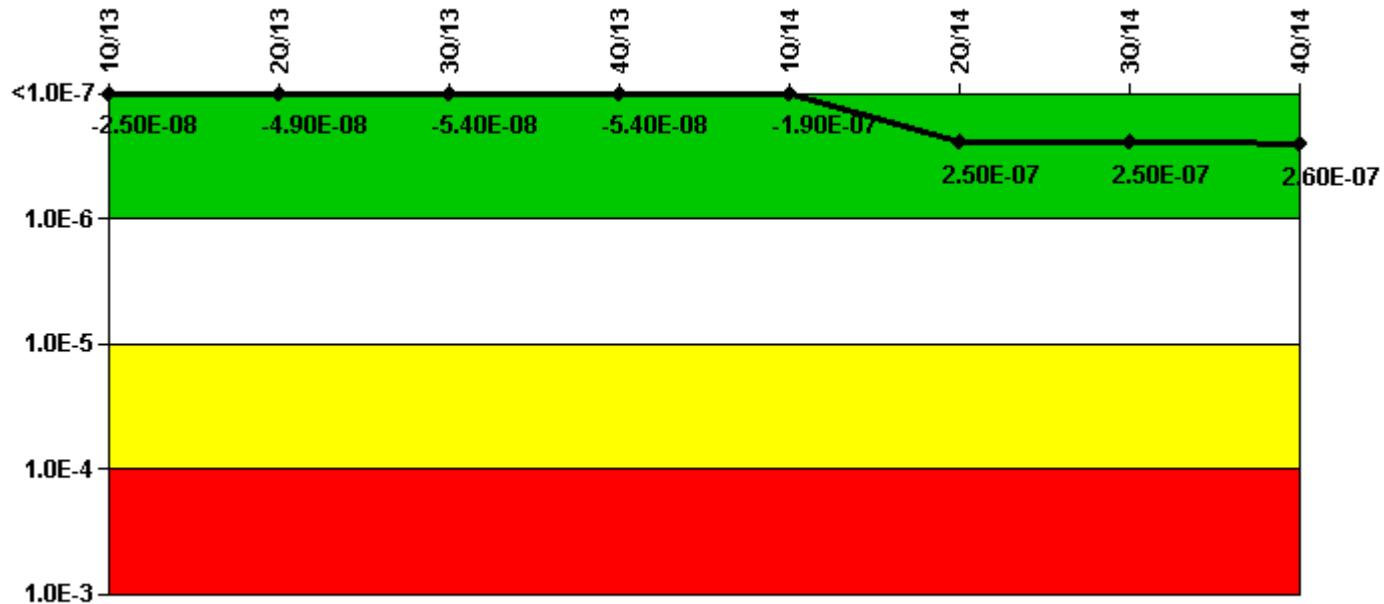
Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	1.69E-07	9.72E-08	8.68E-08	1.25E-07	5.34E-08	1.22E-07	7.52E-08	7.21E-08
URI ( $\Delta$ CDF)	3.19E-07	1.34E-07	1.46E-07	-3.00E-08	-1.08E-07	-1.01E-07	-9.38E-08	-9.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.90E-07</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

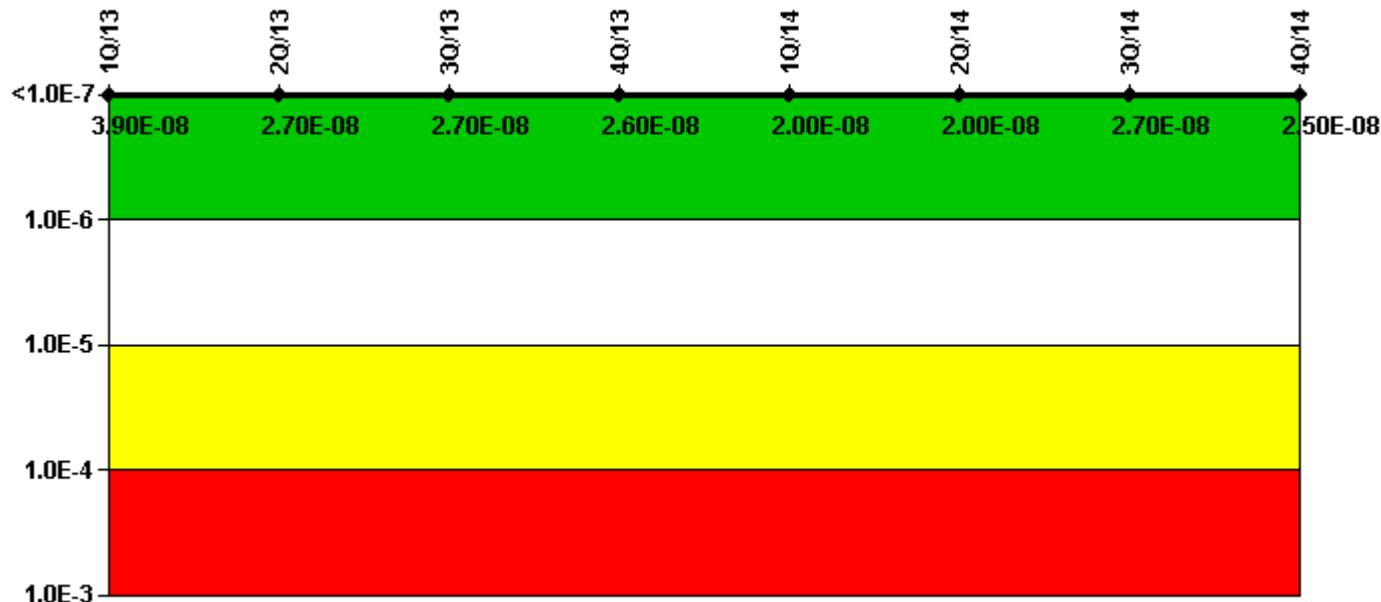
Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	1.01E-08	-1.75E-08	-2.24E-08	-2.11E-08	-7.73E-08	-7.44E-08	-7.44E-08	-7.44E-08
URI ( $\Delta$ CDF)	-3.55E-08	-3.14E-08	-3.15E-08	-3.29E-08	-1.16E-07	3.25E-07	3.25E-07	3.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-2.50E-08</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	2.41E-08	1.04E-08	1.03E-08	9.96E-09	4.27E-09	4.21E-09	1.21E-08	1.06E-08
URI ( $\Delta$ CDF)	1.51E-08	1.62E-08	1.63E-08	1.62E-08	1.58E-08	1.57E-08	1.46E-08	1.45E-08
PLE	NO							
<b>Indicator value</b>	<b>3.90E-08</b>	<b>2.70E-08</b>	<b>2.70E-08</b>	<b>2.60E-08</b>	<b>2.00E-08</b>	<b>2.00E-08</b>	<b>2.70E-08</b>	<b>2.50E-08</b>

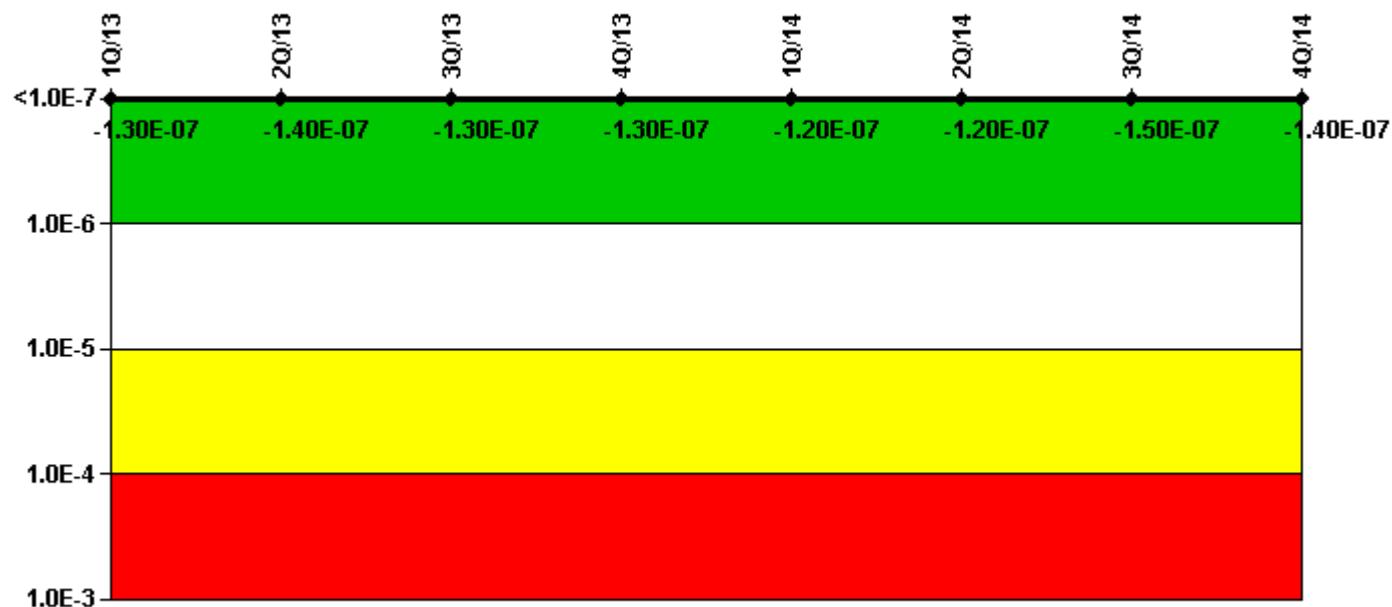
Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

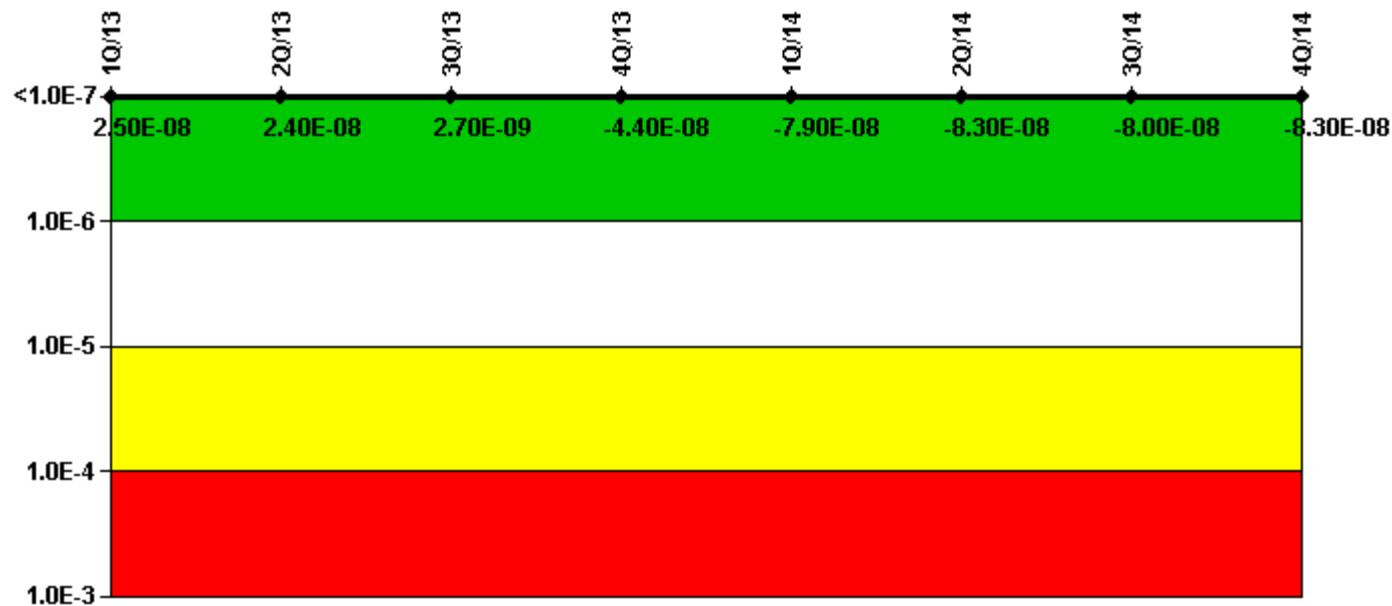
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	-1.10E-08	-1.88E-08	-4.08E-09	-4.52E-09	1.39E-08	1.38E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.23E-07	-1.20E-07	-1.23E-07	-1.27E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.32E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.30E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

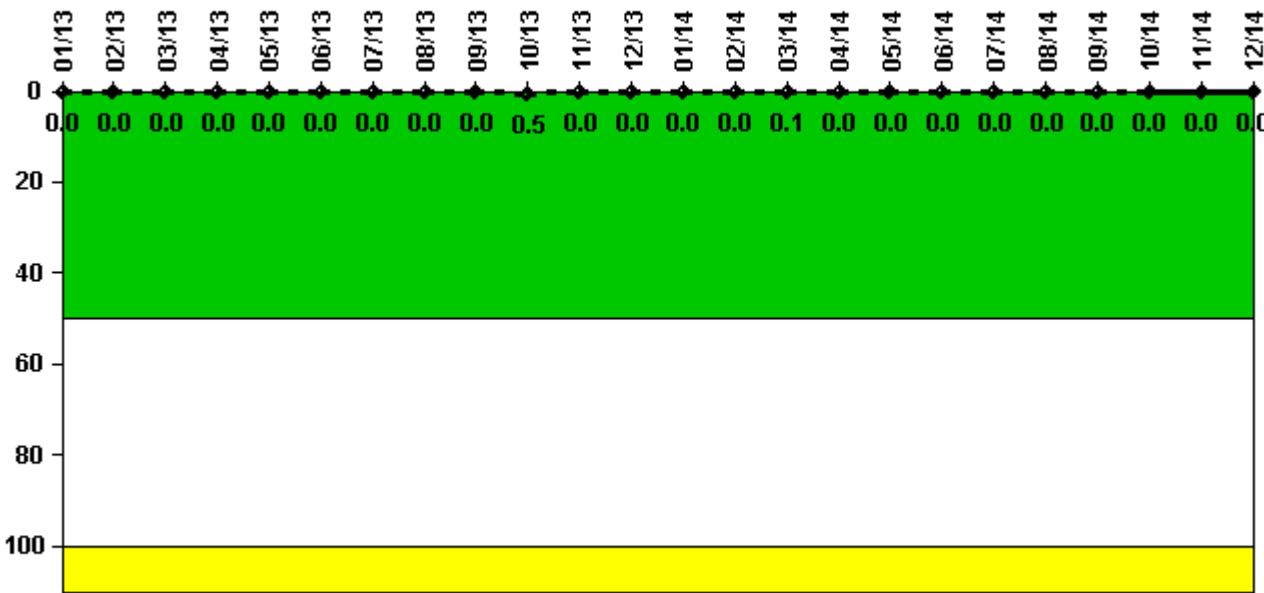
Mitigating Systems Performance Index, Cooling Water Systems	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	1.05E-07	1.05E-07	8.50E-08	4.20E-08	1.47E-10	1.50E-10	4.48E-09	1.30E-09
URI ( $\Delta$ CDF)	-8.00E-08	-8.08E-08	-8.22E-08	-8.56E-08	-7.94E-08	-8.28E-08	-8.45E-08	-8.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.50E-08</b>	<b>2.40E-08</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

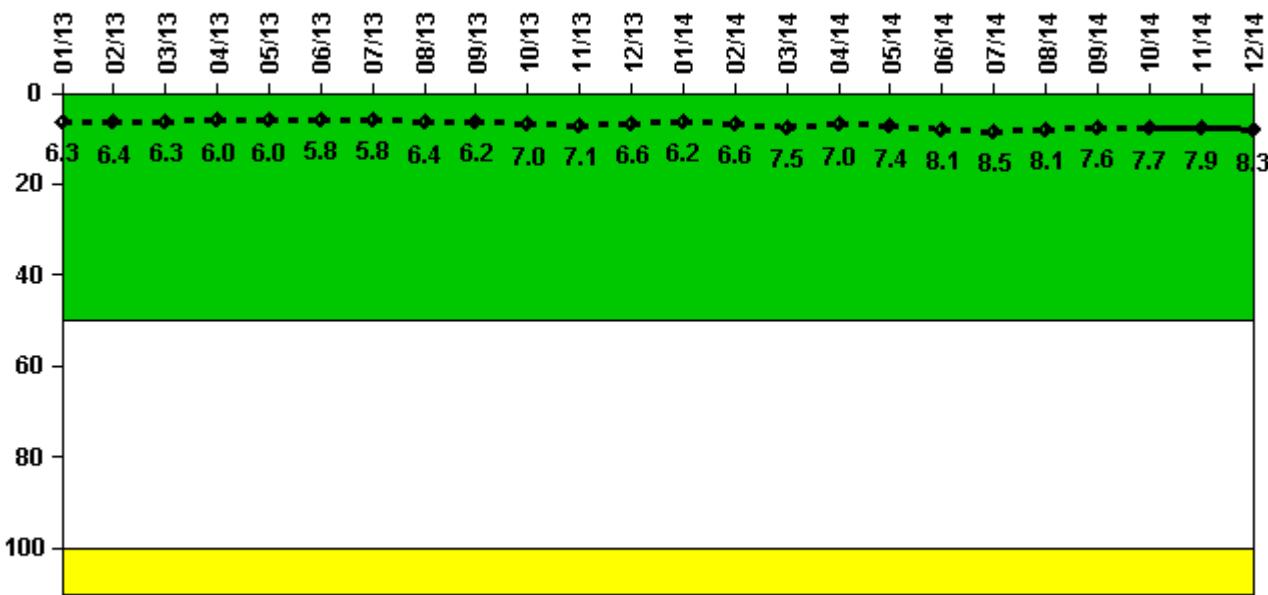
#### Notes

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000006	0.000002	0.000004	0.000005	0.000006	0.000008	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023
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	0.5	0	0
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042
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												

<b>value</b>	0	0	0.1	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

### Reactor Coolant System Leakage



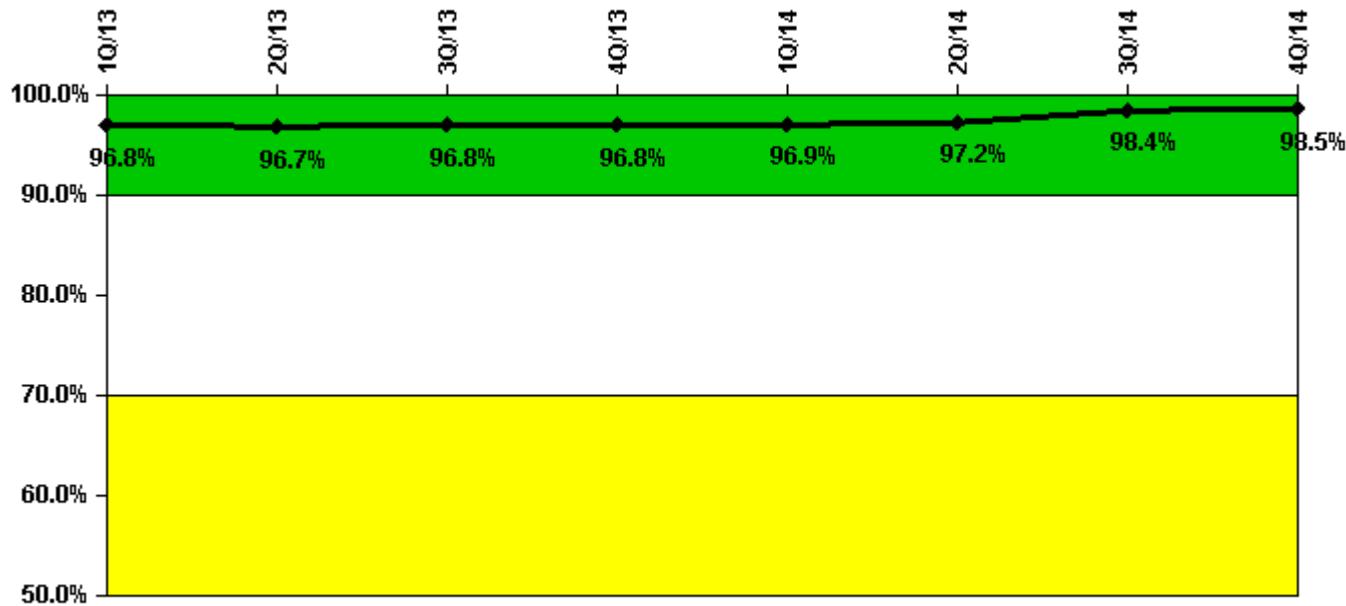
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	1.890	1.910	1.880	1.810	1.800	1.730	1.740	1.910	1.850	2.110	2.140	1.970
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	6.3	6.4	6.3	6.0	6.0	5.8	5.8	6.4	6.2	7.0	7.1	6.6
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	1.850	1.980	2.240	2.100	2.210	2.430	2.550	2.420	2.290	2.300	2.380	2.500
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	6.2	6.6	7.5	7.0	7.4	8.1	8.5	8.1	7.6	7.7	7.9	8.3

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

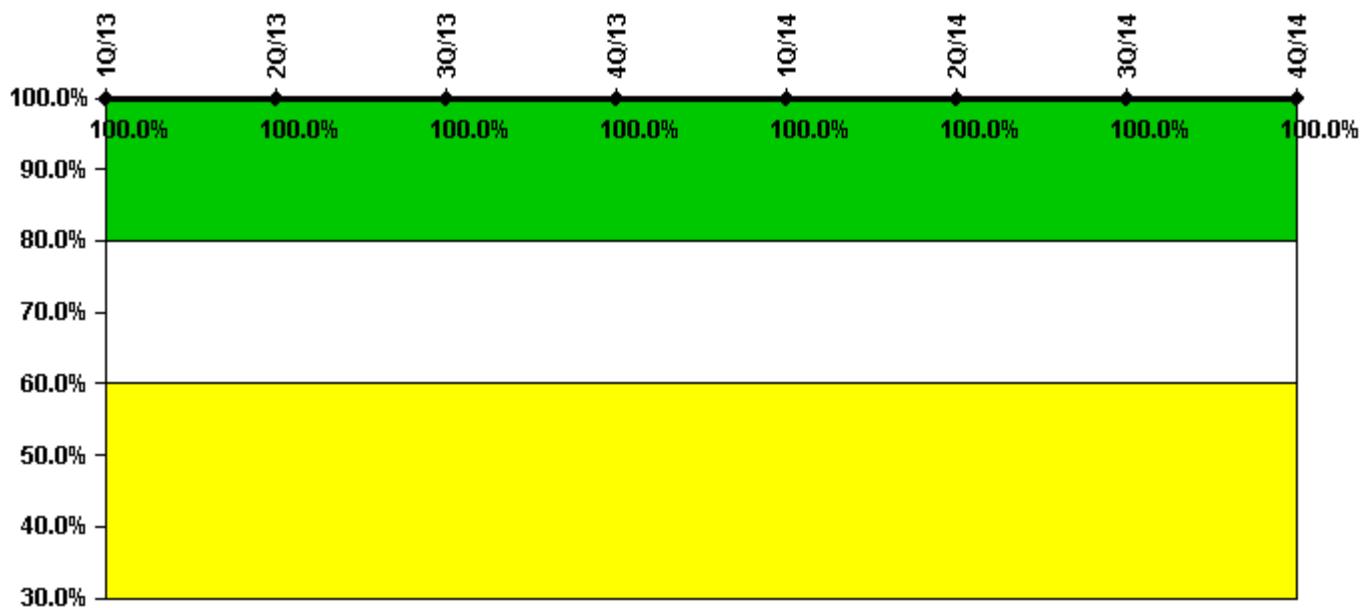
#### Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	40.0	51.0	38.0	48.0	26.0	64.0	78.0	50.0
Total opportunities	40.0	54.0	38.0	50.0	26.0	65.0	78.0	50.0
<b>Indicator value</b>	<b>96.8%</b>	<b>96.7%</b>	<b>96.8%</b>	<b>96.8%</b>	<b>96.9%</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>

Licensee Comments:

1Q/14: These values have been revised due to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

### ERO Drill Participation



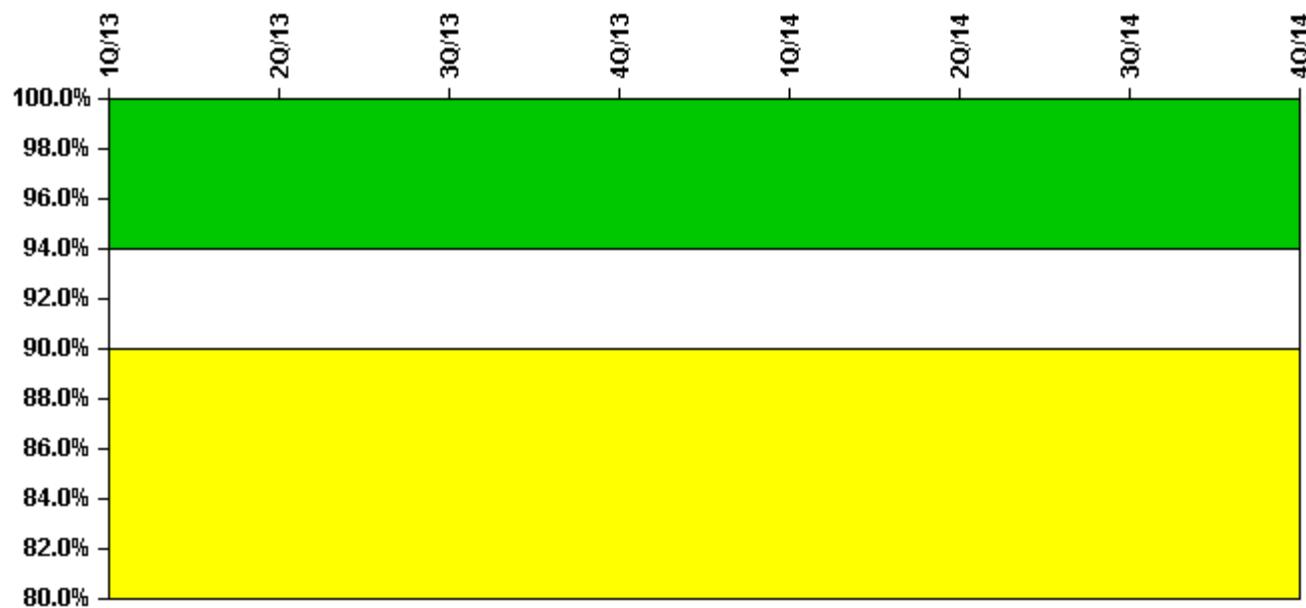
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	110.0	112.0	110.0	111.0	110.0	106.0	107.0	112.0
Total Key personnel	110.0	112.0	110.0	111.0	110.0	106.0	107.0	112.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests						1040	1117	1120
Total sirens-tests						1040	1119	1120
<b>Indicator value</b>								

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

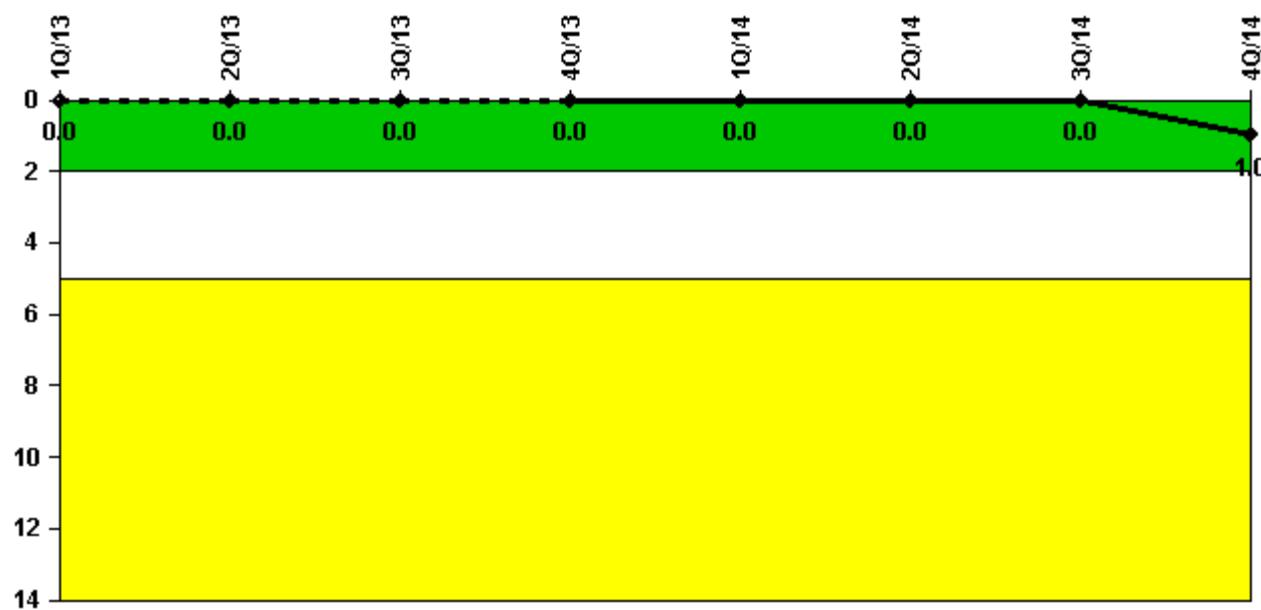
4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



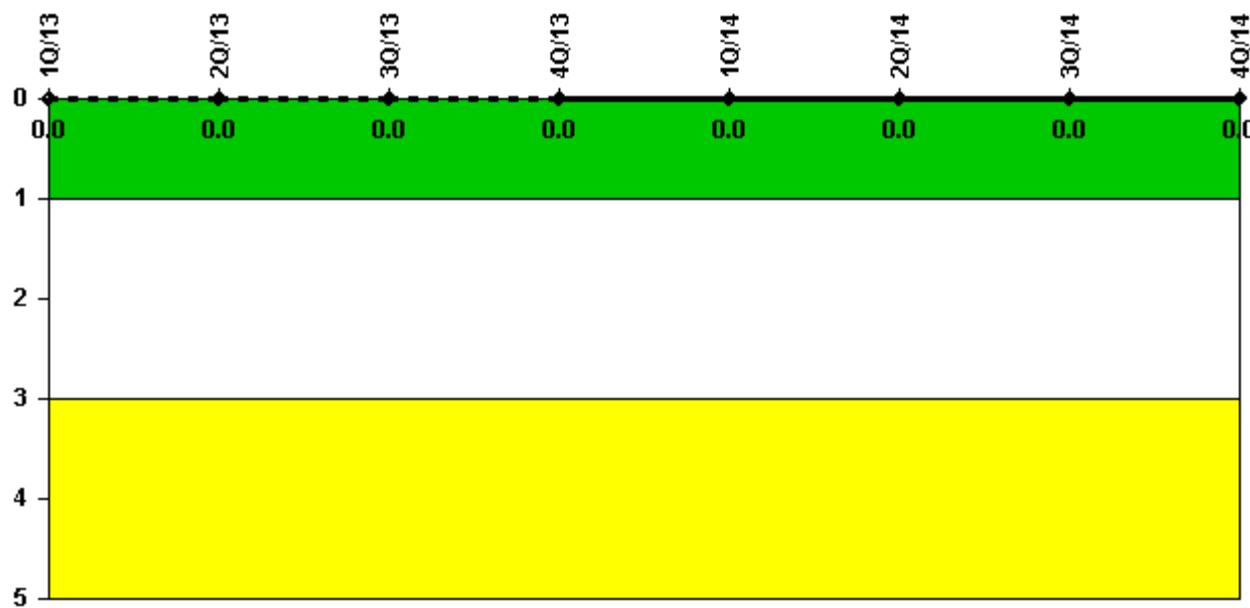
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	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>1</b>						

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

---

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

*Last Modified: February 3, 2015*

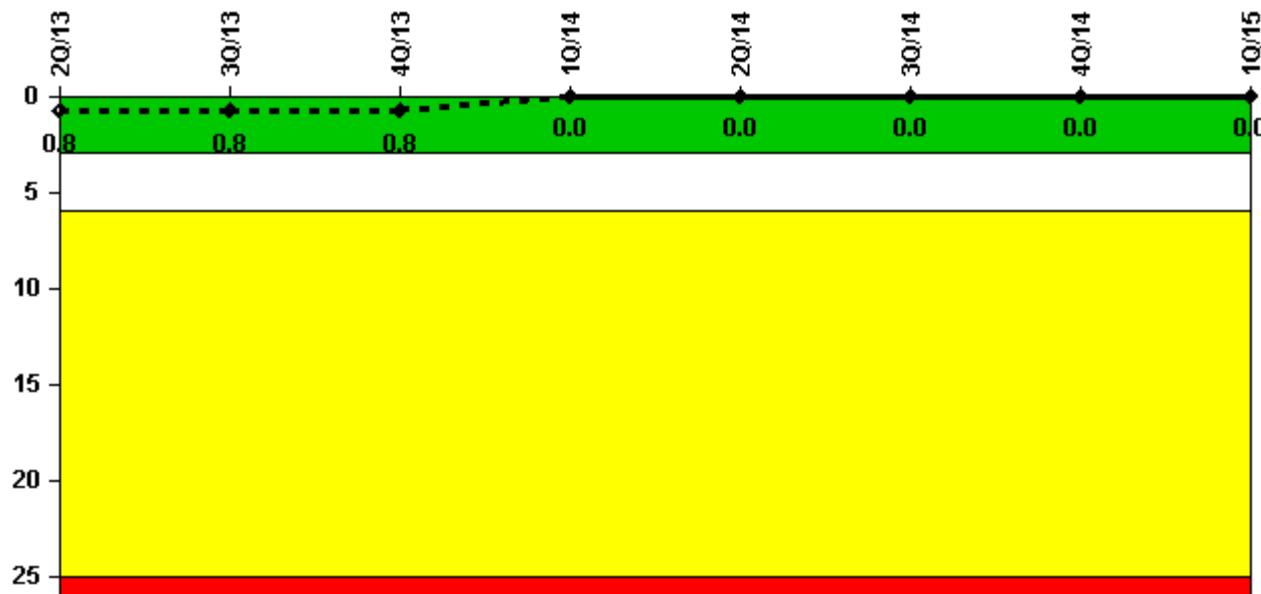
## Hatch 1

### 1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**



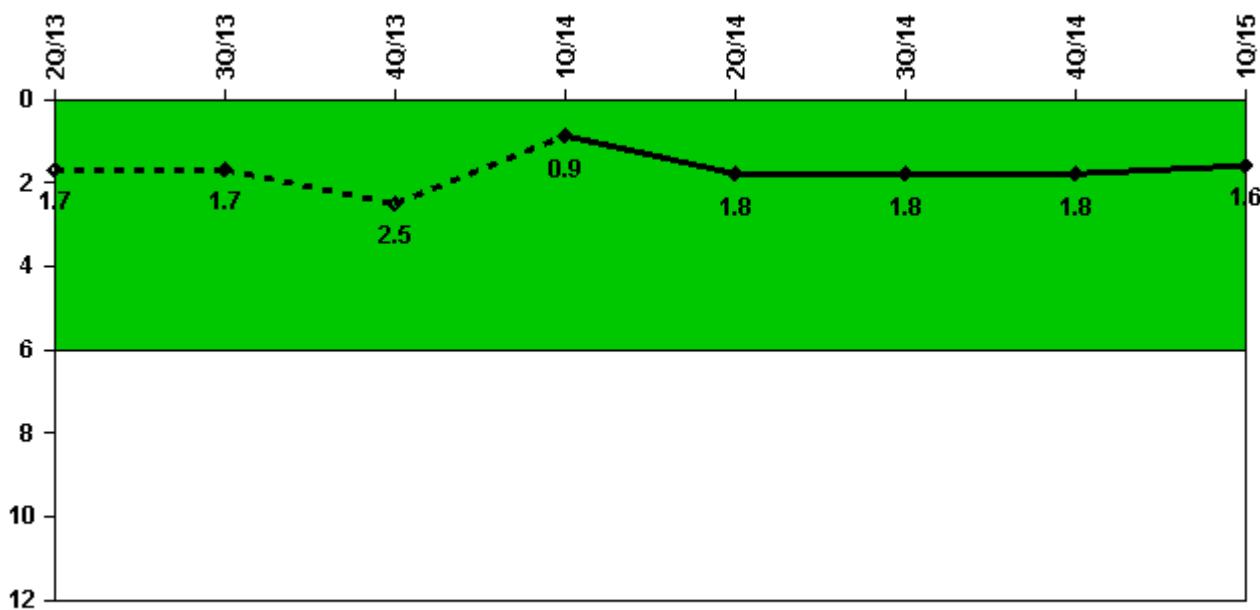
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0
Indicator value	0.8	0.8	0.8	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



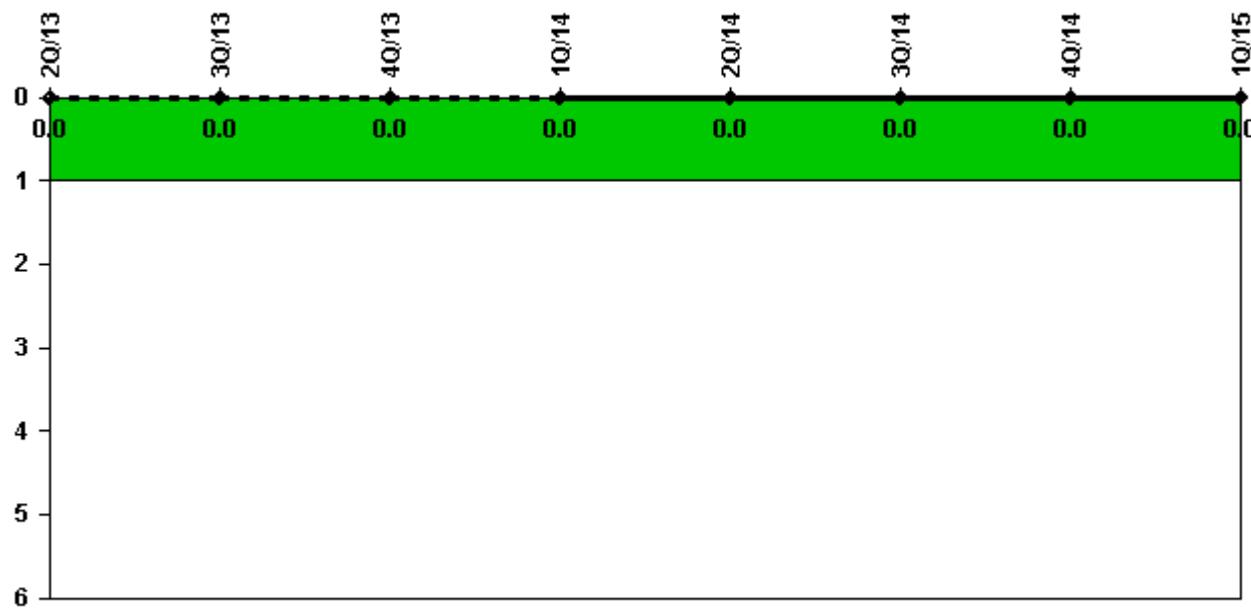
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	1.0	0	1.0	0	1.0	0
Critical hours	2184.0	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0
<b>Indicator value</b>	<b>1.7</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

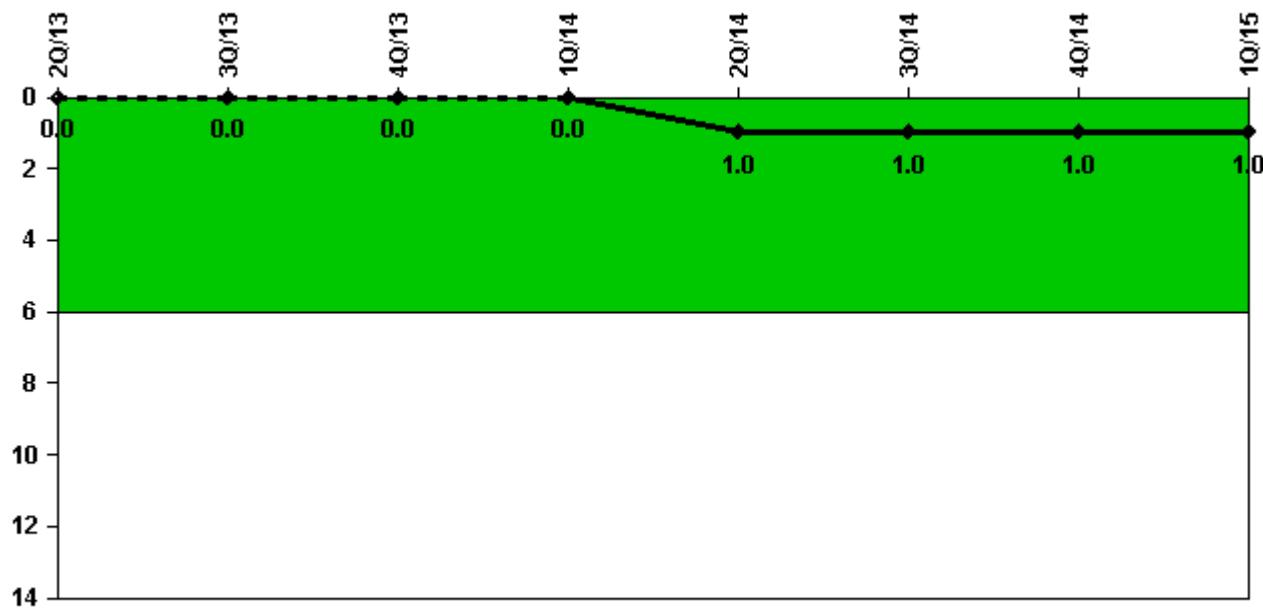
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

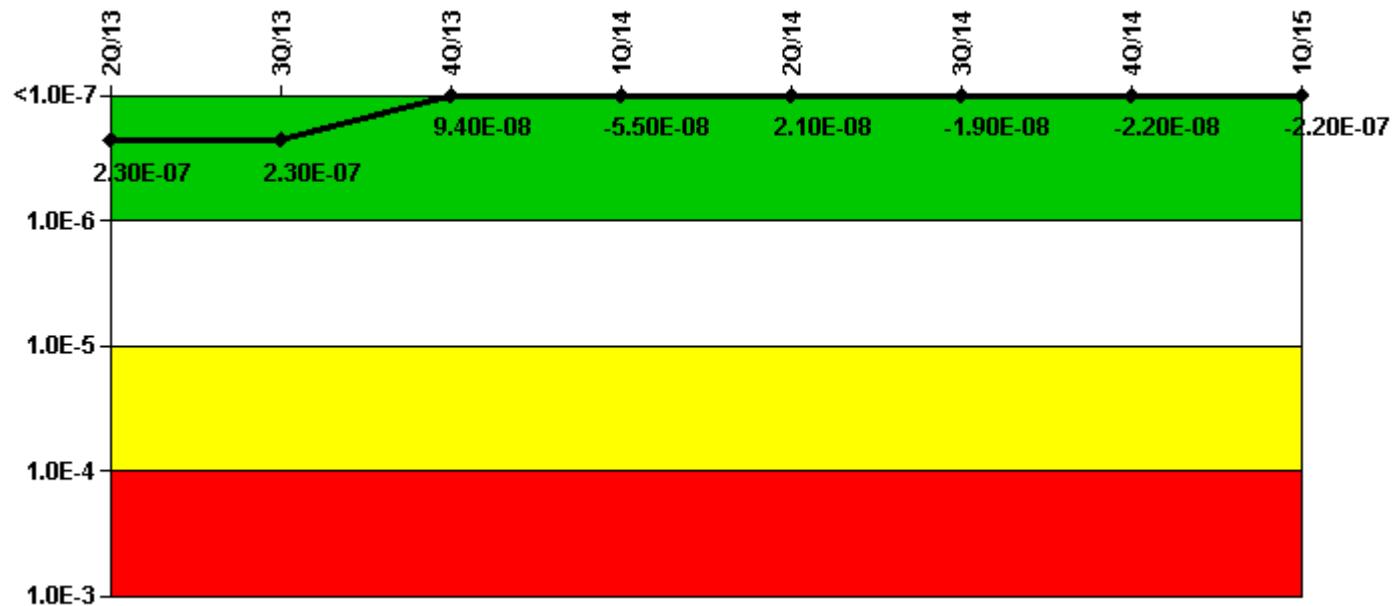
### Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

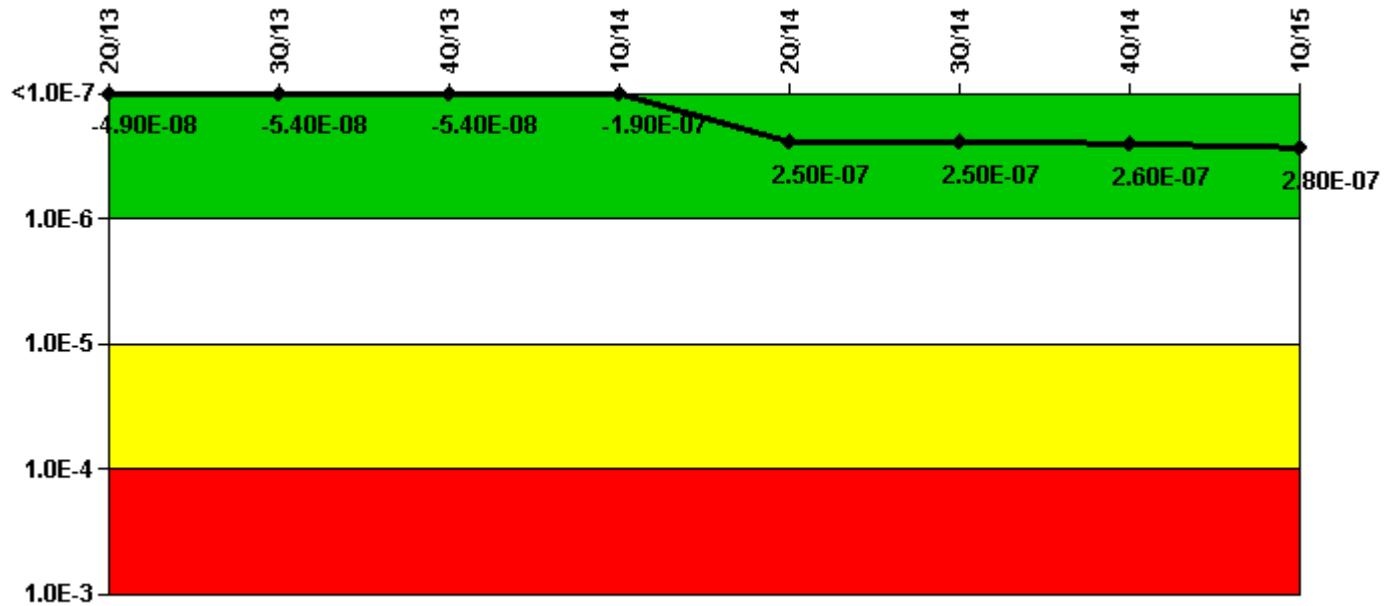
Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	9.72E-08	8.68E-08	1.25E-07	5.34E-08	1.22E-07	7.52E-08	7.21E-08	8.51E-08
URI ( $\Delta$ CDF)	1.34E-07	1.46E-07	-3.00E-08	-1.08E-07	-1.01E-07	-9.38E-08	-9.38E-08	-3.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.30E-07</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

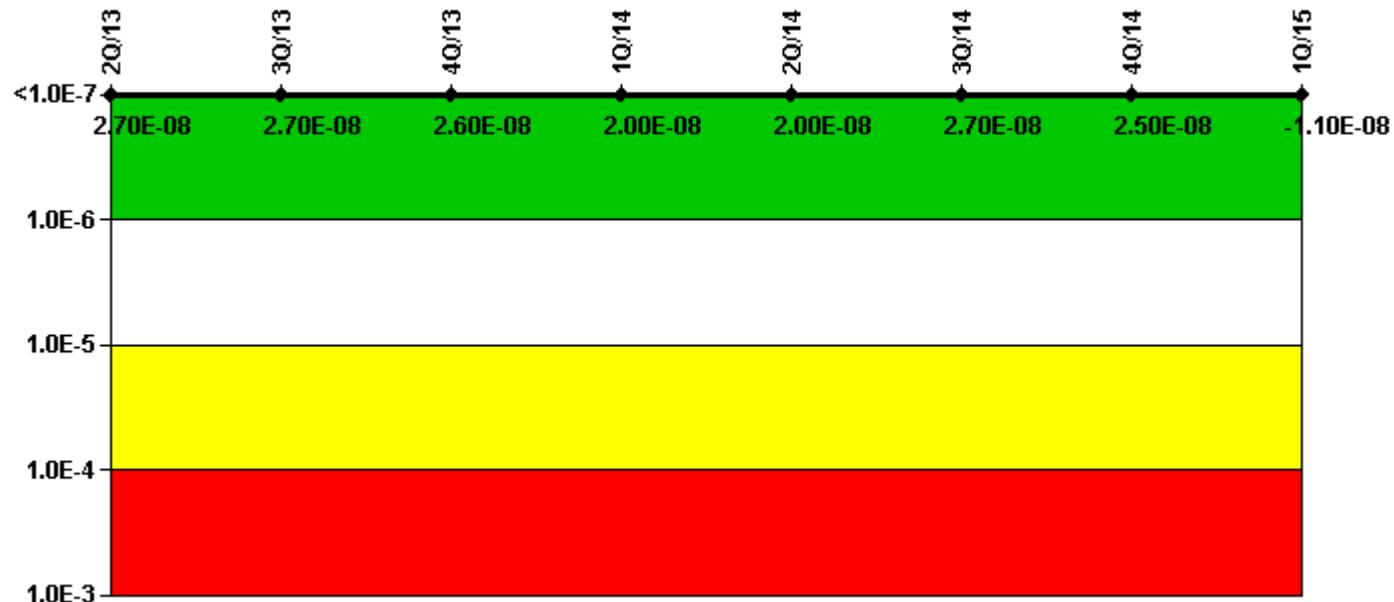
Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-1.75E-08	-2.24E-08	-2.11E-08	-7.73E-08	-7.44E-08	-7.44E-08	-7.44E-08	-7.45E-08
URI ( $\Delta$ CDF)	-3.14E-08	-3.15E-08	-3.29E-08	-1.16E-07	3.25E-07	3.25E-07	3.38E-07	3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-4.90E-08</b>	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	1.04E-08	1.03E-08	9.96E-09	4.27E-09	4.21E-09	1.21E-08	1.06E-08	2.87E-09
URI ( $\Delta$ CDF)	1.62E-08	1.63E-08	1.62E-08	1.58E-08	1.57E-08	1.46E-08	1.45E-08	-1.38E-08
PLE	NO							
Indicator value	2.70E-08	2.70E-08	2.60E-08	2.00E-08	2.00E-08	2.70E-08	2.50E-08	-1.10E-08

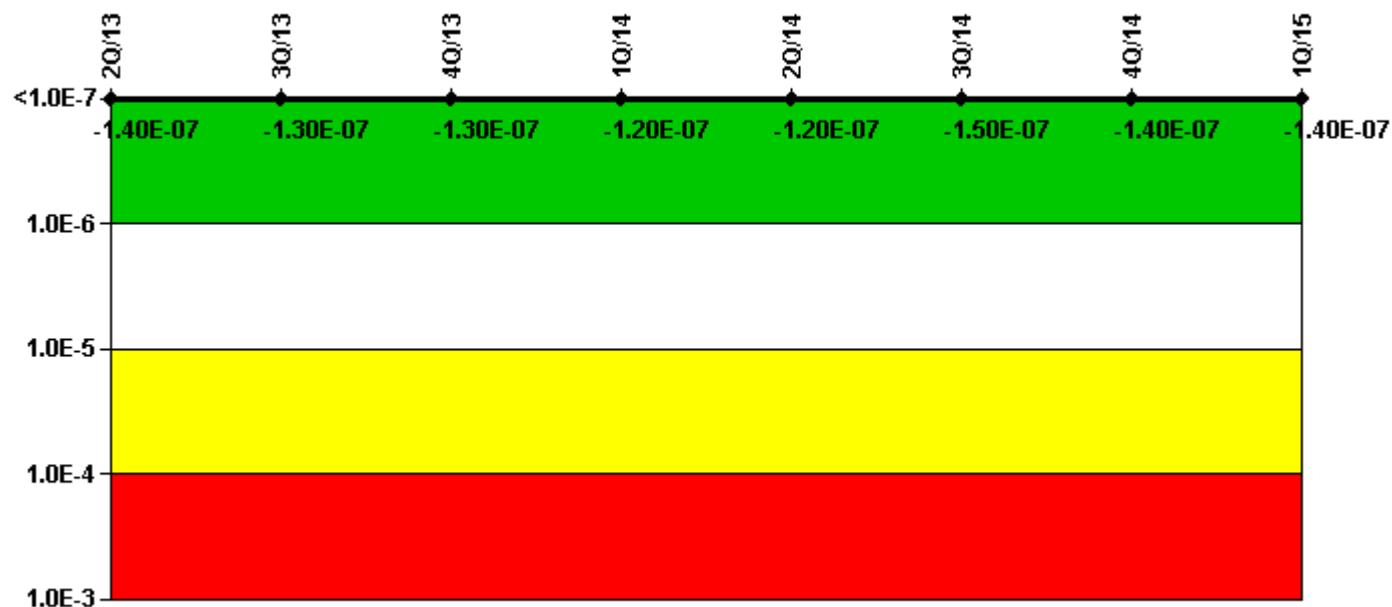
### Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

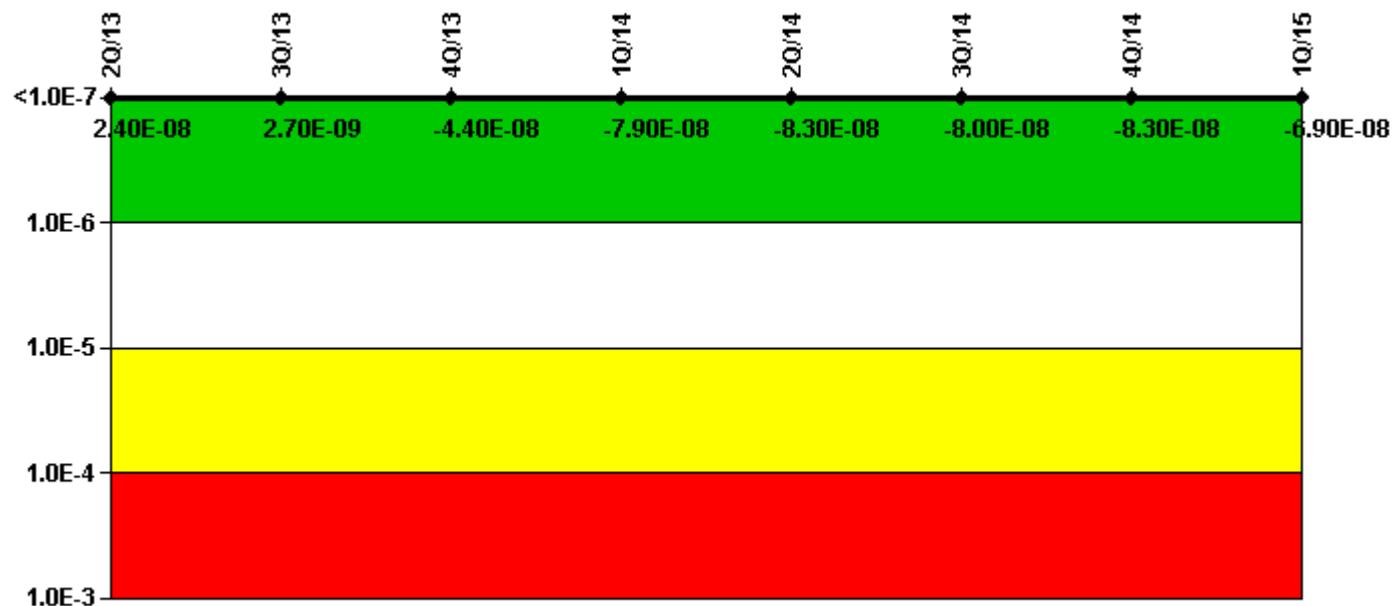
<b>Mitigating Systems Performance Index, Residual Heat Removal System</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>
UAI ( $\Delta$ CDF)	-1.88E-08	-4.08E-09	-4.52E-09	1.39E-08	1.38E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.23E-07	-1.27E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.32E-07	-1.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

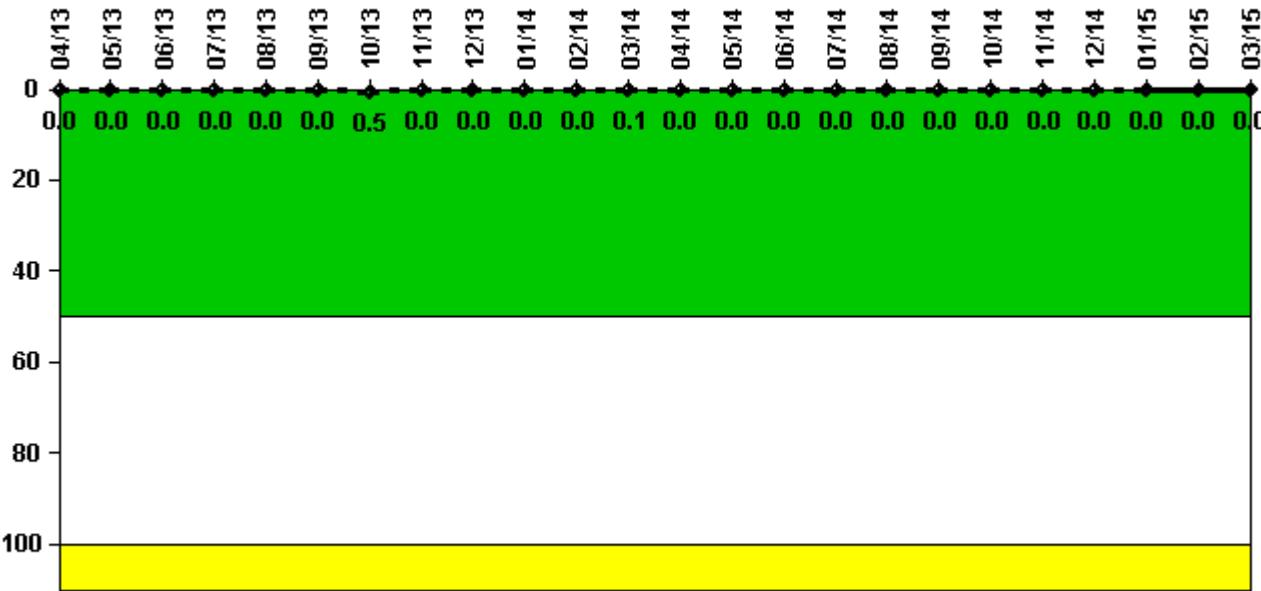
Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	1.05E-07	8.50E-08	4.20E-08	1.47E-10	1.50E-10	4.48E-09	1.30E-09	1.23E-08
URI ( $\Delta$ CDF)	-8.08E-08	-8.22E-08	-8.56E-08	-7.94E-08	-8.28E-08	-8.45E-08	-8.48E-08	-8.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.40E-08</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>

### Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

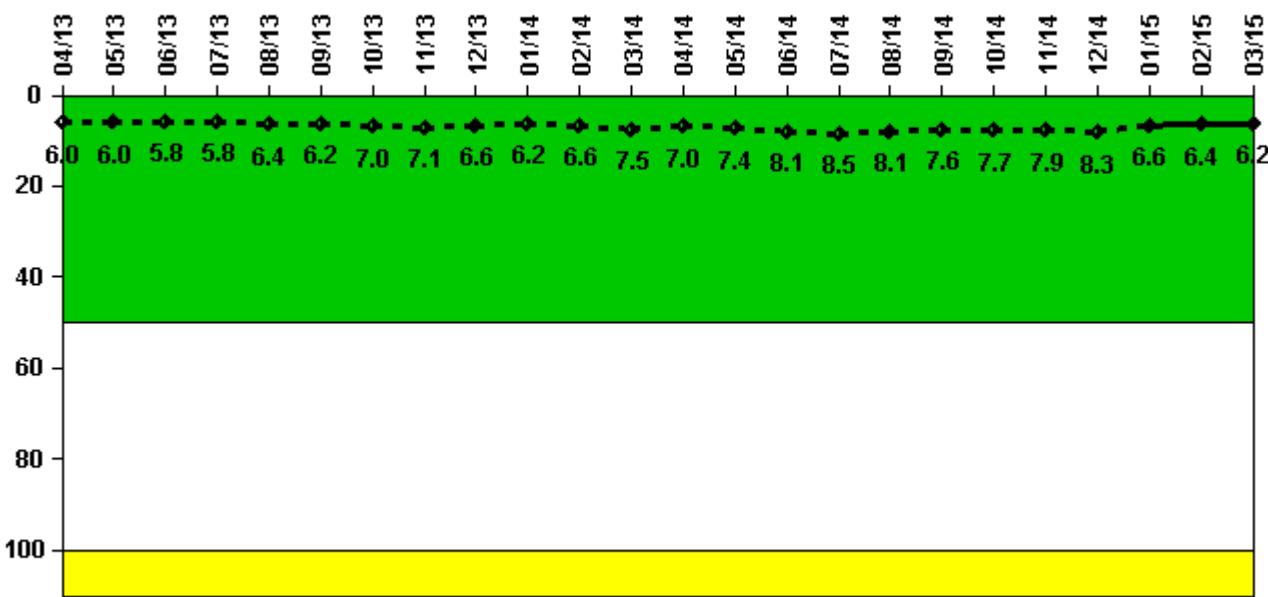
#### Notes

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000005	0.000006	0.000008	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188
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	0.5	0	0	0	0	0.1
Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007
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												

<b>value</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

### **Reactor Coolant System Leakage**



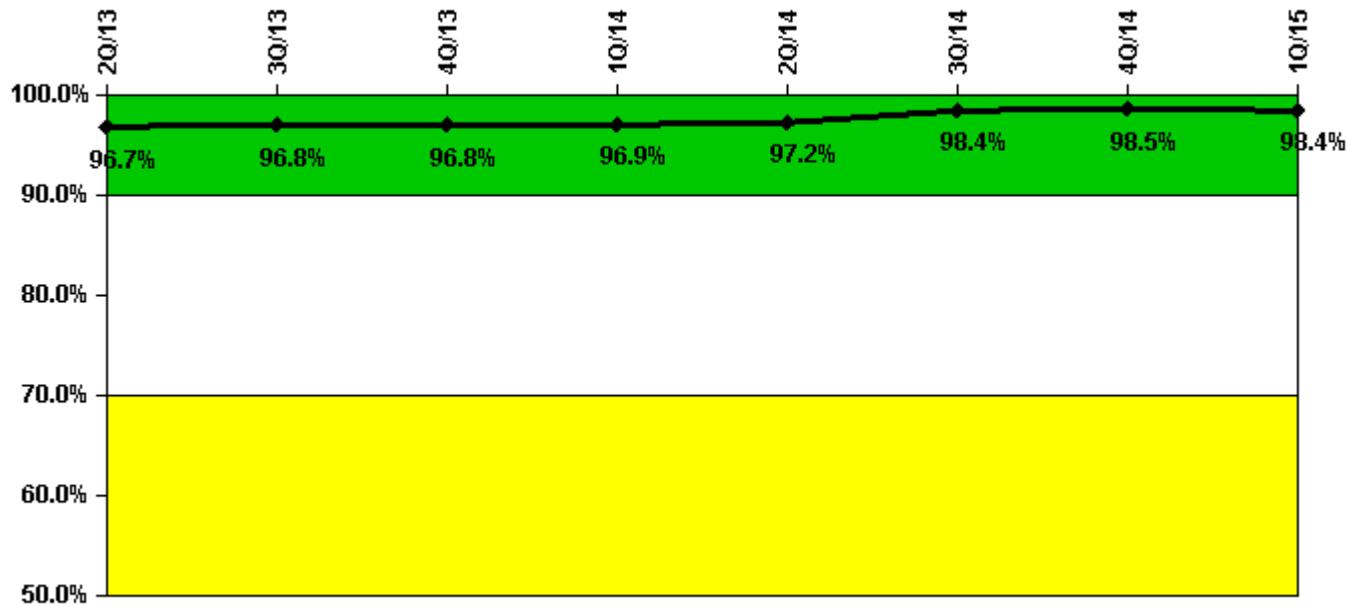
Thresholds: White > 50.0 Yellow > 100.0

#### **Notes**

<b>Reactor Coolant System Leakage</b>	<b>4/13</b>	<b>5/13</b>	<b>6/13</b>	<b>7/13</b>	<b>8/13</b>	<b>9/13</b>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>	<b>1/14</b>	<b>2/14</b>	<b>3/14</b>
Maximum leakage	1.810	1.800	1.730	1.740	1.910	1.850	2.110	2.140	1.970	1.850	1.980	2.240
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
<b>Indicator value</b>	<b>6.0</b>	<b>6.0</b>	<b>5.8</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>	<b>7.0</b>	<b>7.1</b>	<b>6.6</b>	<b>6.2</b>	<b>6.6</b>	<b>7.5</b>
<b>Reactor Coolant System Leakage</b>	<b>4/14</b>	<b>5/14</b>	<b>6/14</b>	<b>7/14</b>	<b>8/14</b>	<b>9/14</b>	<b>10/14</b>	<b>11/14</b>	<b>12/14</b>	<b>1/15</b>	<b>2/15</b>	<b>3/15</b>
Maximum leakage	2.100	2.210	2.430	2.550	2.420	2.290	2.300	2.380	2.500	1.970	1.910	1.860
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
<b>Indicator value</b>	<b>7.0</b>	<b>7.4</b>	<b>8.1</b>	<b>8.5</b>	<b>8.1</b>	<b>7.6</b>	<b>7.7</b>	<b>7.9</b>	<b>8.3</b>	<b>6.6</b>	<b>6.4</b>	<b>6.2</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

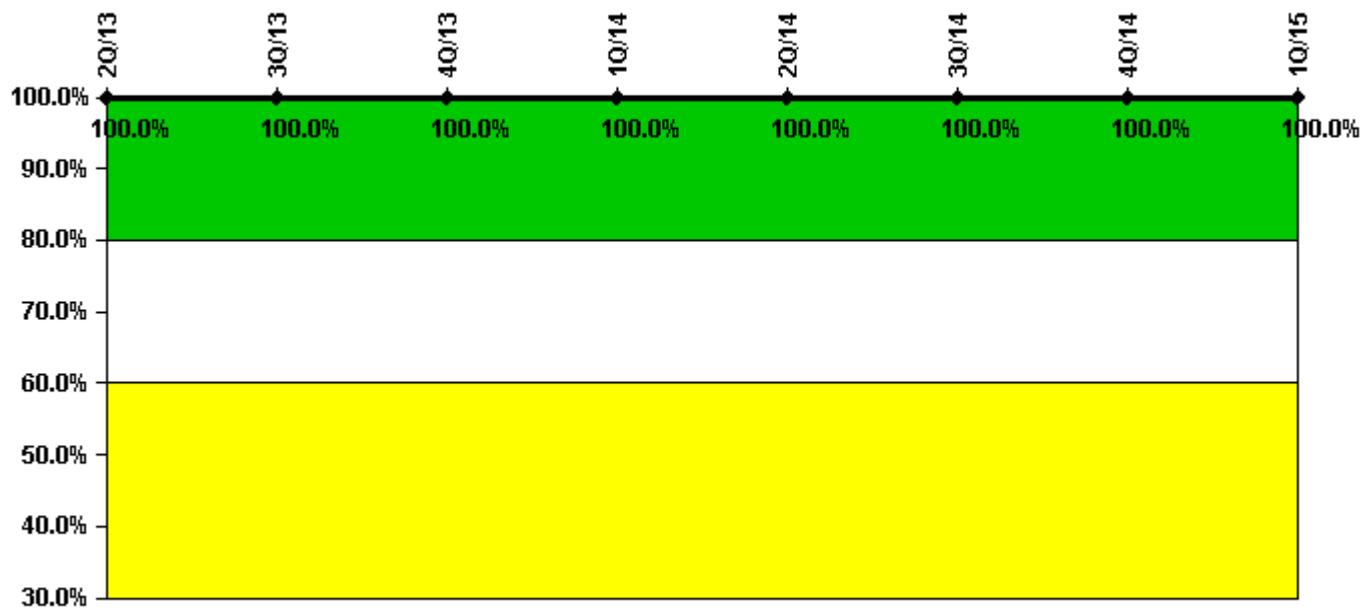
#### Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	51.0	38.0	48.0	26.0	64.0	78.0	50.0	26.0
Total opportunities	54.0	38.0	50.0	26.0	65.0	78.0	50.0	26.0
<b>Indicator value</b>	<b>96.7%</b>	<b>96.8%</b>	<b>96.8%</b>	<b>96.9%</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>

#### Licensee Comments:

1Q/14: These values have been revised due to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

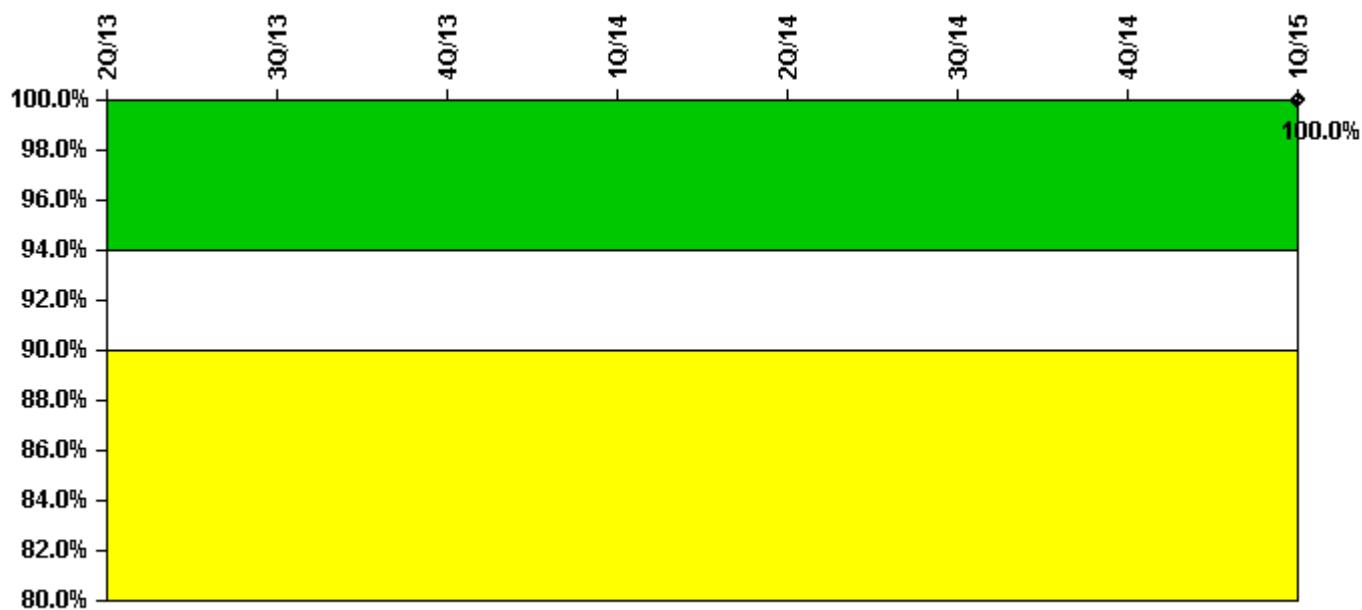
#### Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	112.0	110.0	111.0	110.0	106.0	109.0	112.0	109.0
Total Key personnel	112.0	110.0	111.0	110.0	106.0	109.0	112.0	109.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests					1040	1117	1120	960
Total sirens-tests					1040	1119	1120	960
<b>Indicator value</b>								<b>100.0%</b>

Licensee Comments:

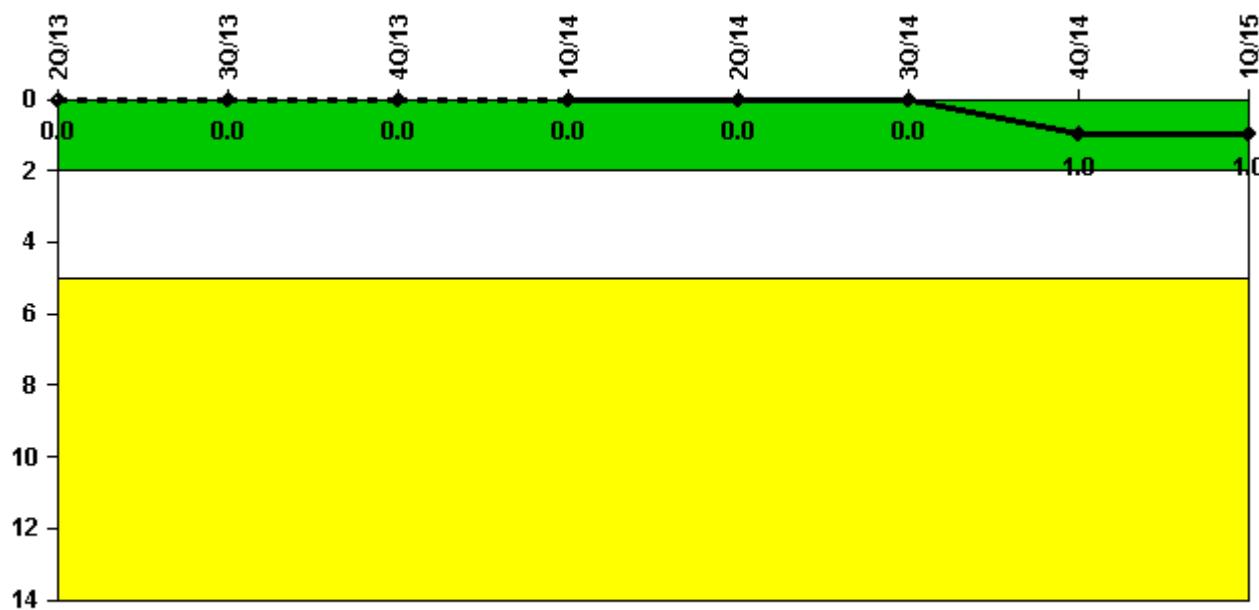
1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



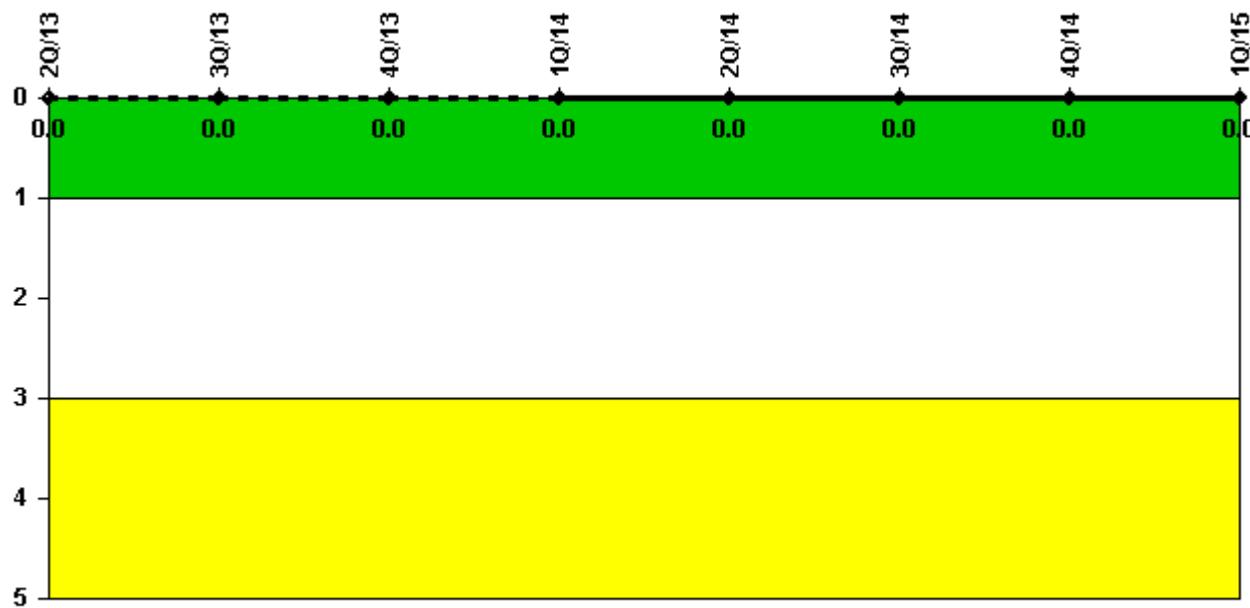
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	1	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>1</b>	<b>1</b>

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
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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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

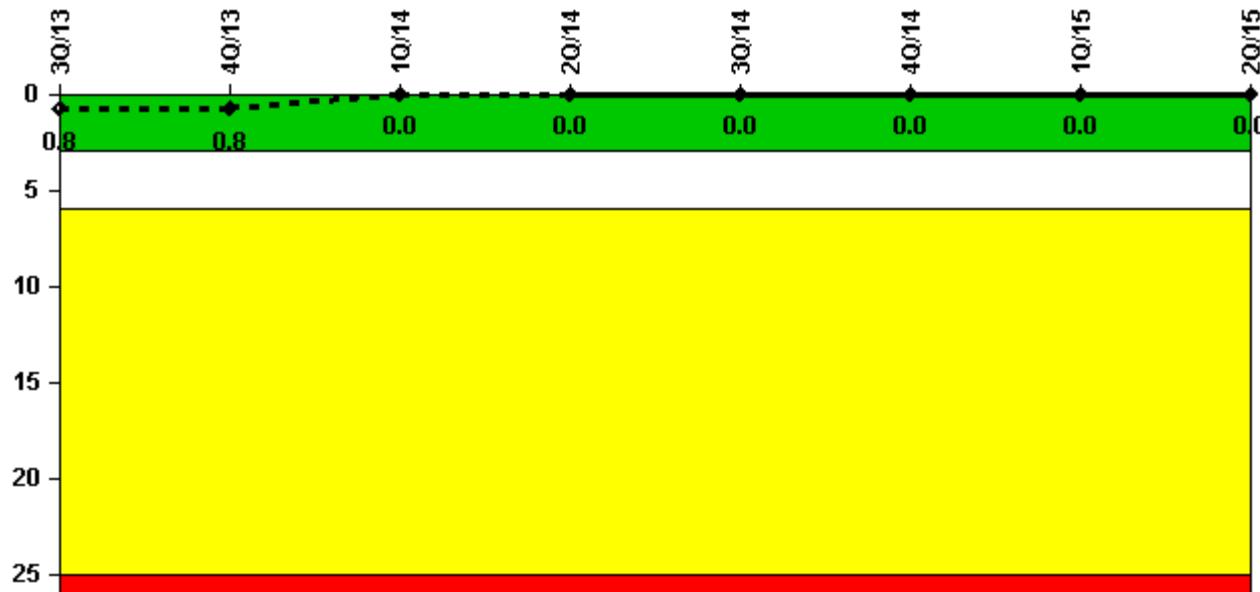
 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2015*

**Hatch 1****2Q/2015 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

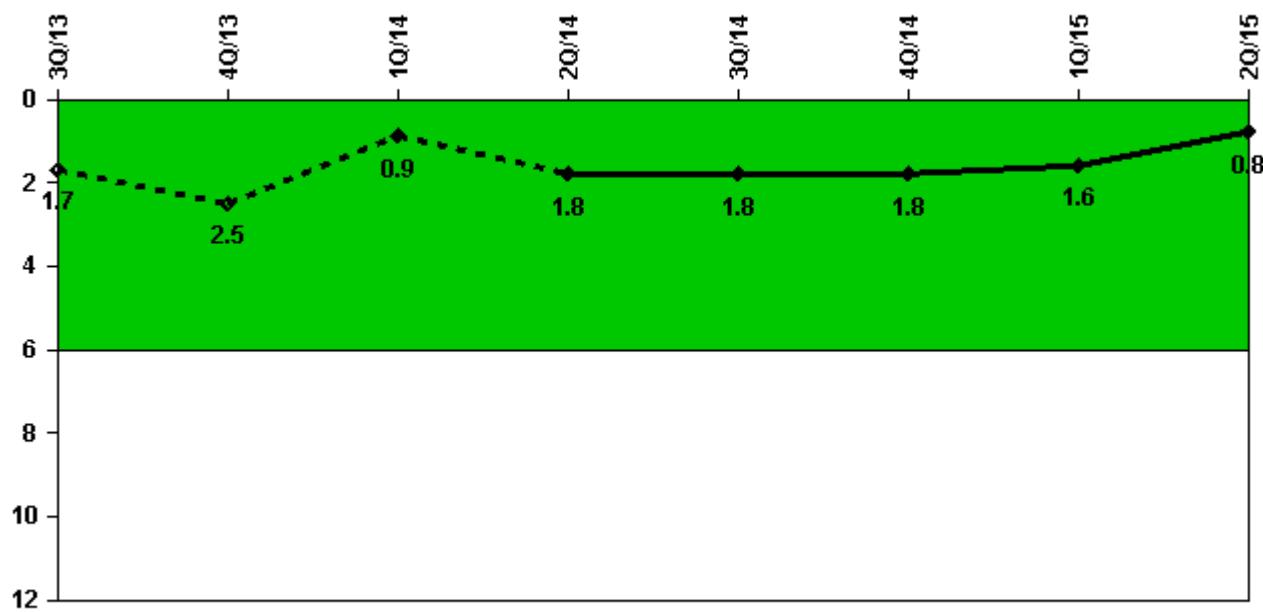
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0
<b>Indicator value</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



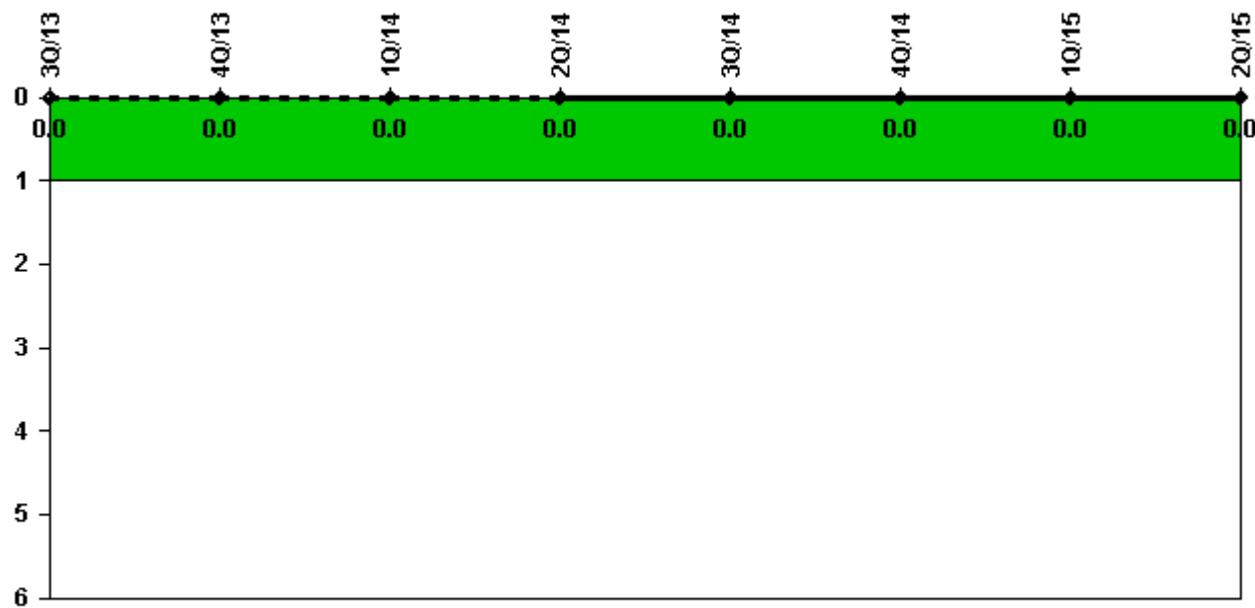
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	1.0	0	1.0	0	1.0	0	0
Critical hours	2208.0	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0
<b>Indicator value</b>	<b>1.7</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

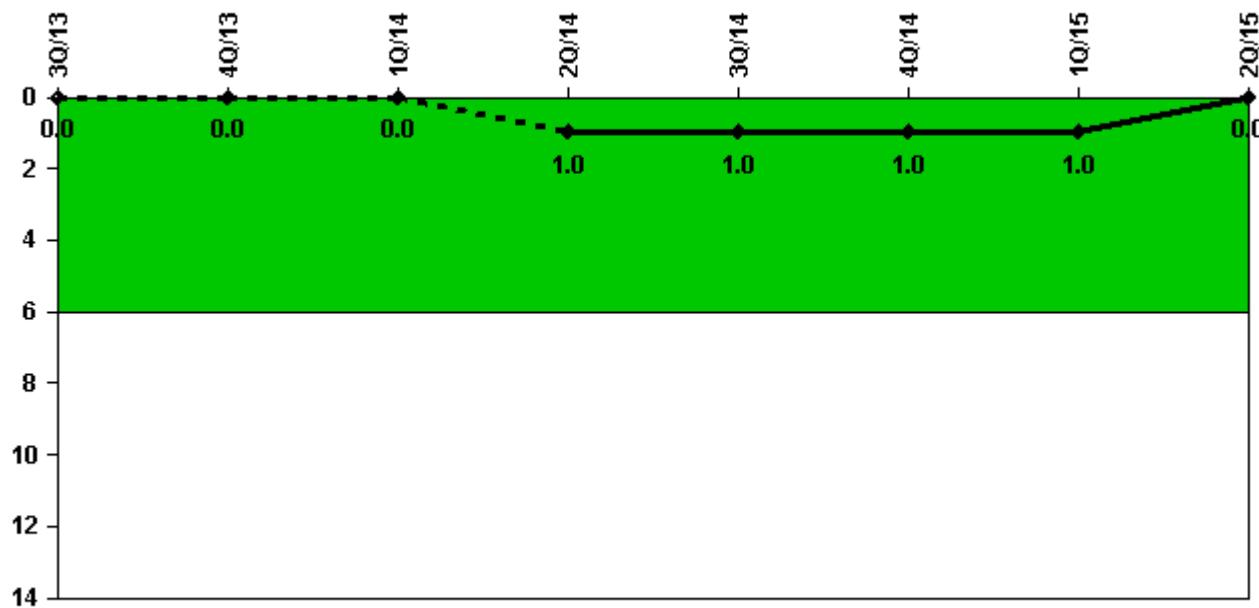
#### Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

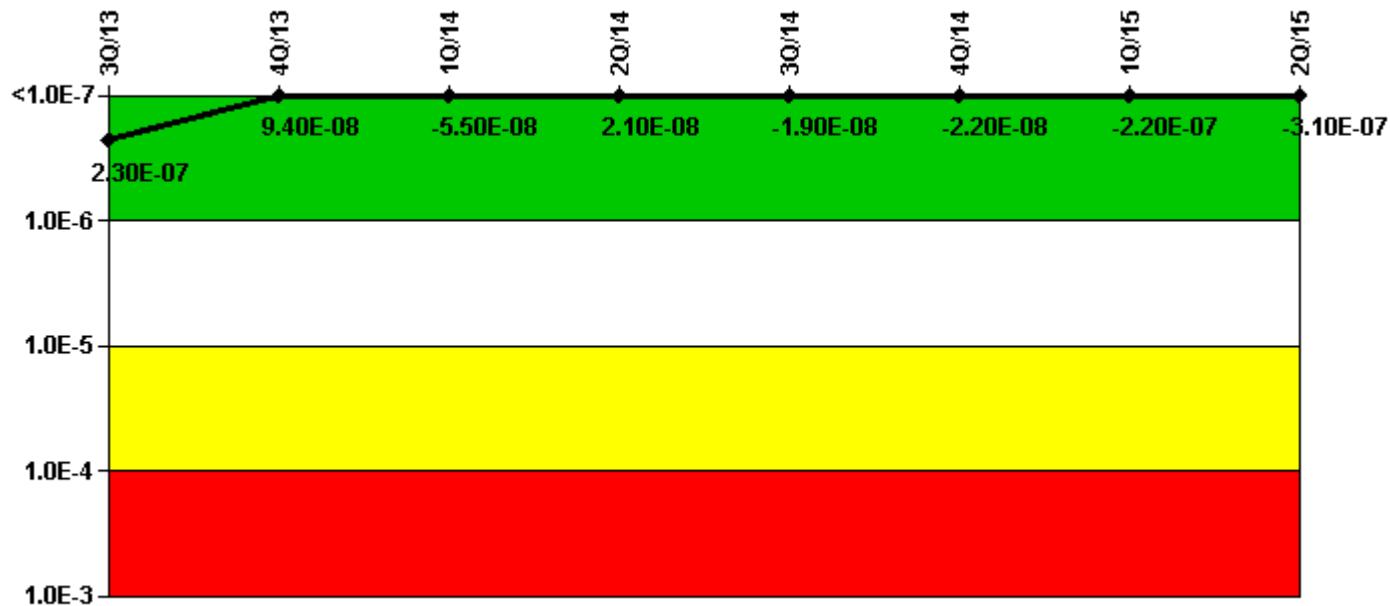
### Notes

Safety System Functional Failures (BWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

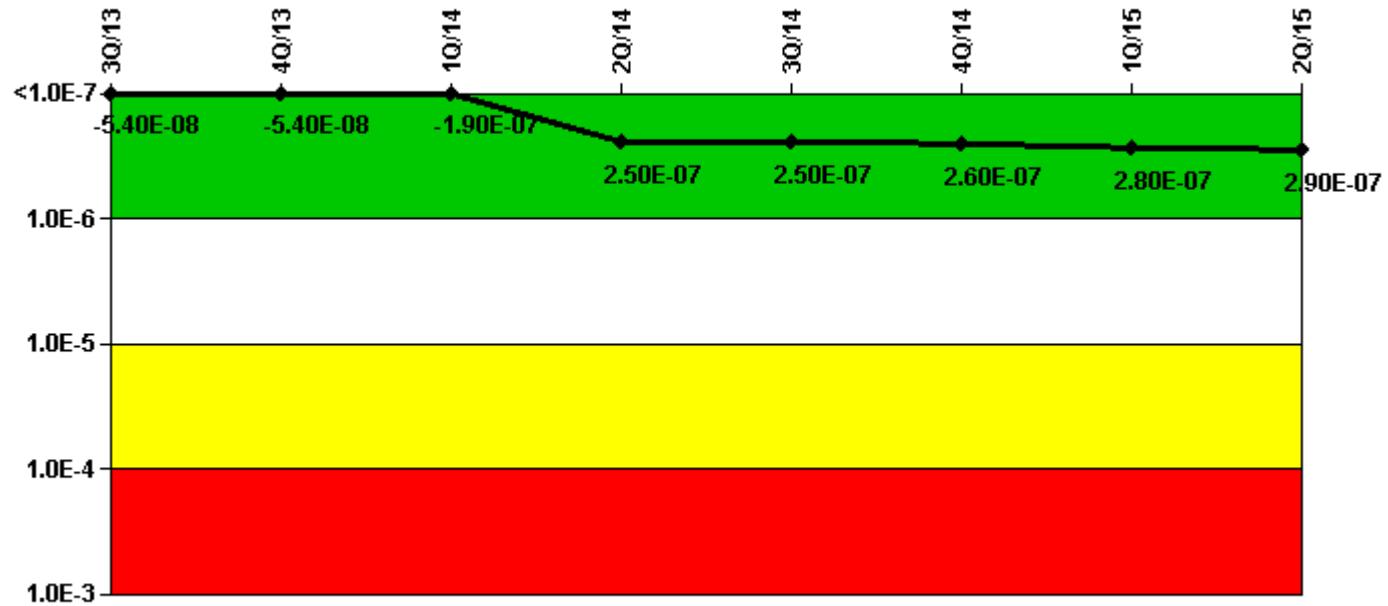
Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	8.68E-08	1.25E-07	5.34E-08	1.22E-07	7.52E-08	7.21E-08	8.51E-08	3.48E-09
URI ( $\Delta$ CDF)		1.46E-07	-3.00E-08	-1.08E-07	-1.01E-07	-9.38E-08	-9.38E-08	-3.05E-07
PLE		NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.30E-07</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

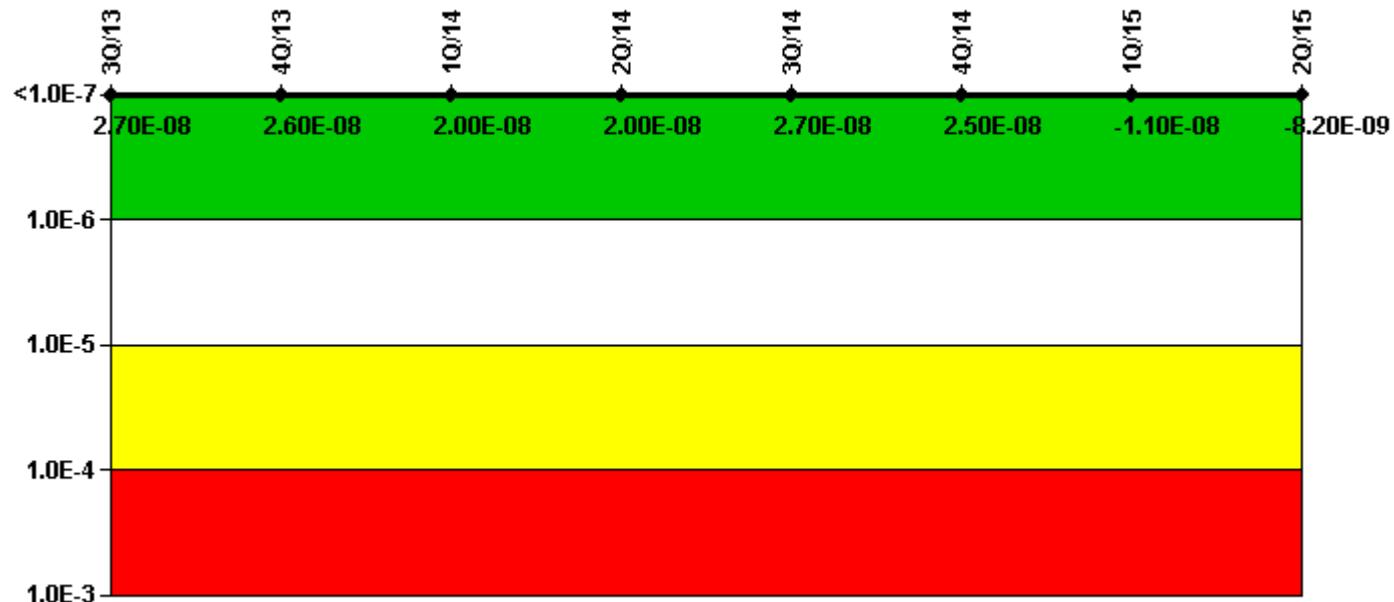
Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	-2.24E-08	-2.11E-08	-7.73E-08	-7.44E-08	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	-3.15E-08	-3.29E-08	-1.16E-07	3.25E-07	3.25E-07	3.38E-07	3.52E-07	3.65E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-5.40E-08</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	1.03E-08	9.96E-09	4.27E-09	4.21E-09	1.21E-08	1.06E-08	2.87E-09	5.59E-09
URI ( $\Delta$ CDF)	1.63E-08	1.62E-08	1.58E-08	1.57E-08	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08
PLE	NO	NO						
<b>Indicator value</b>	<b>2.70E-08</b>	<b>2.60E-08</b>	<b>2.00E-08</b>	<b>2.00E-08</b>	<b>2.70E-08</b>	<b>2.50E-08</b>	<b>-1.10E-08</b>	<b>-8.20E-09</b>

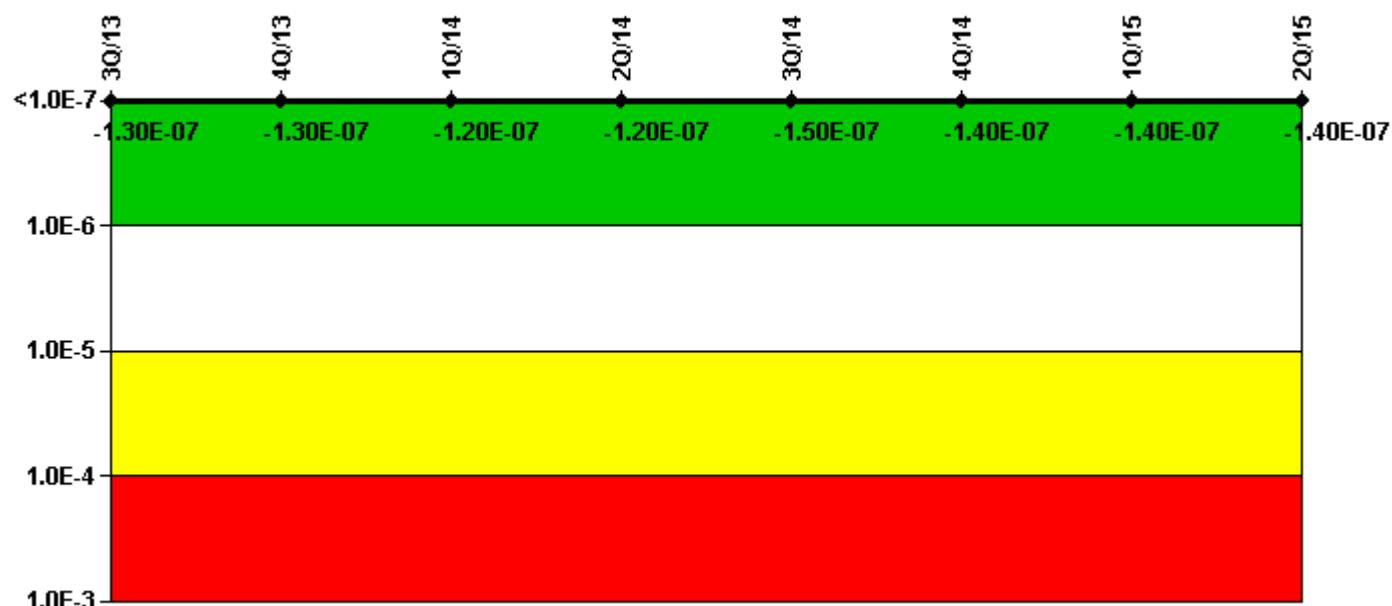
#### Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

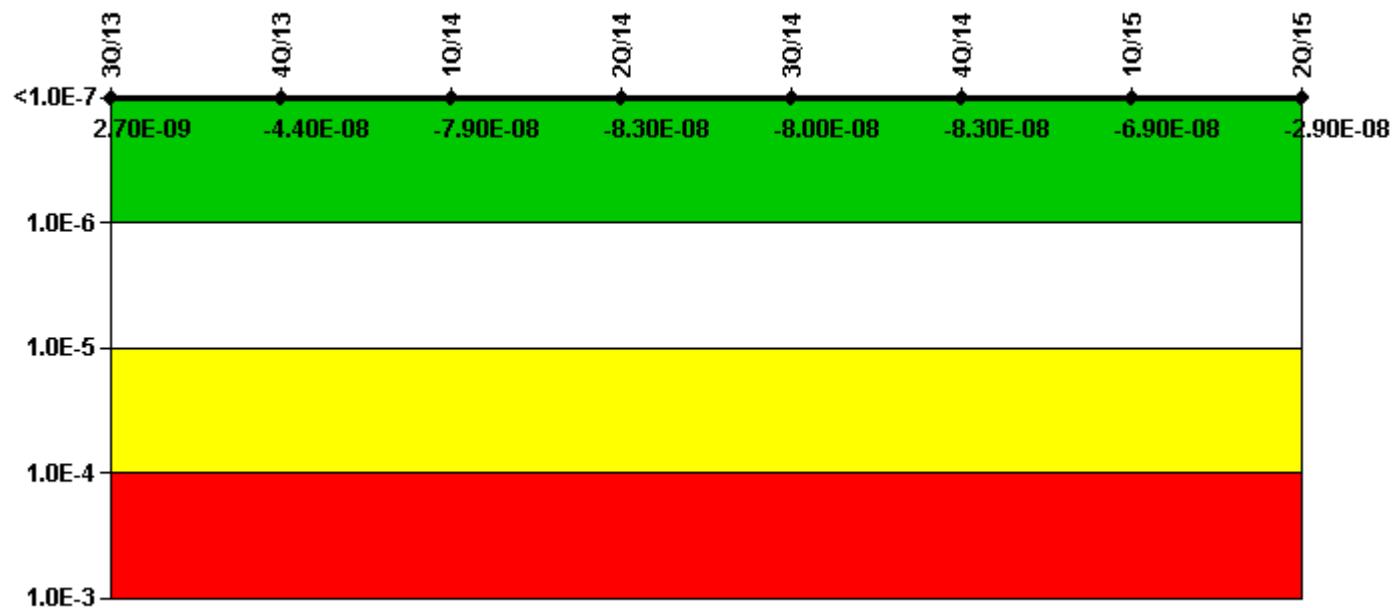
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	-4.08E-09	-4.52E-09	1.39E-08	1.38E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.23E-07	-1.27E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

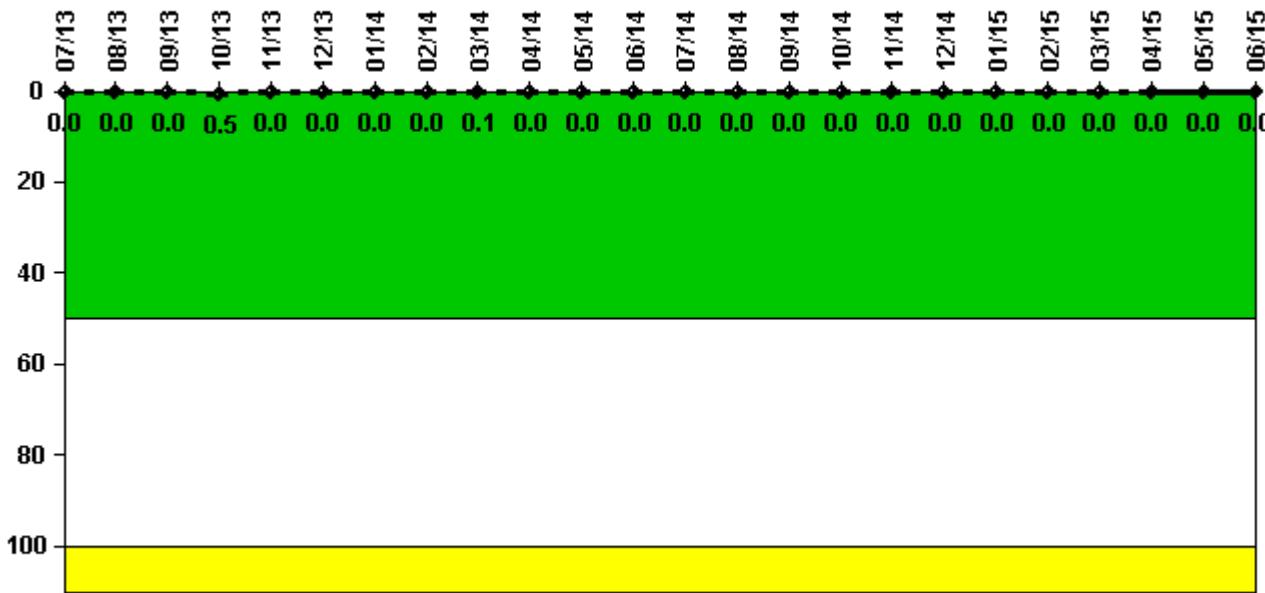
Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	8.50E-08	4.20E-08	1.47E-10	1.50E-10	4.48E-09	1.30E-09	1.23E-08	5.63E-08
URI ( $\Delta$ CDF)	-8.22E-08	-8.56E-08	-7.94E-08	-8.28E-08	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.70E-09</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

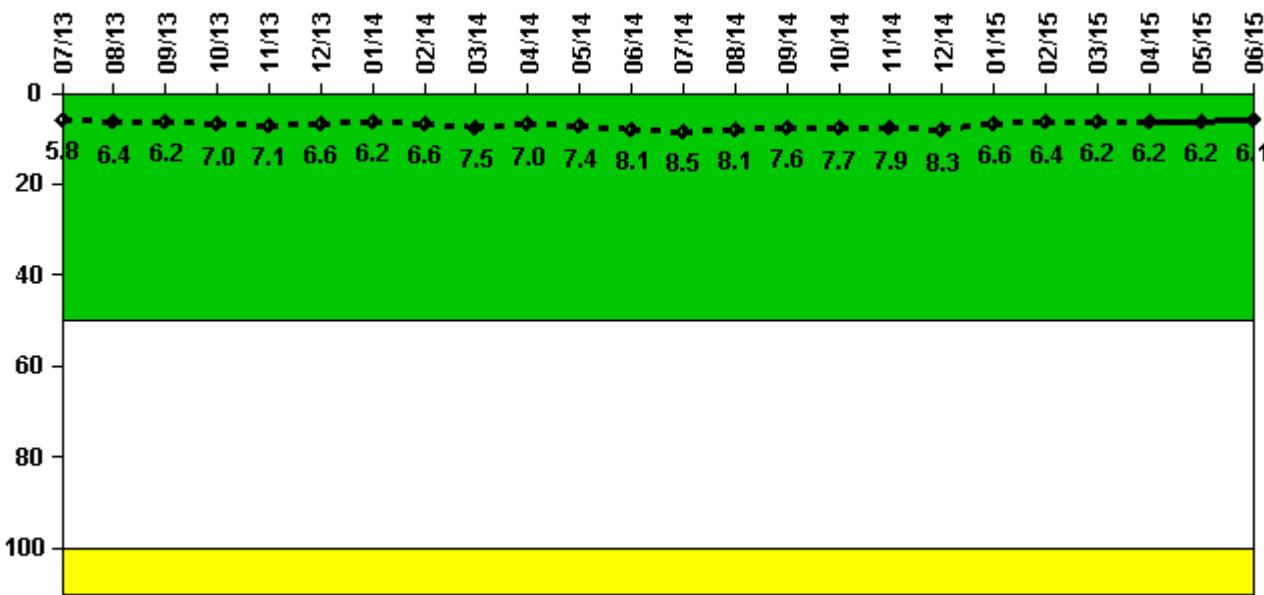
#### Notes

Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000010	0.000020	0.000010	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012
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	0.5	0	0	0	0	0.1	0	0	0
Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004
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												

<b>value</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

### **Reactor Coolant System Leakage**



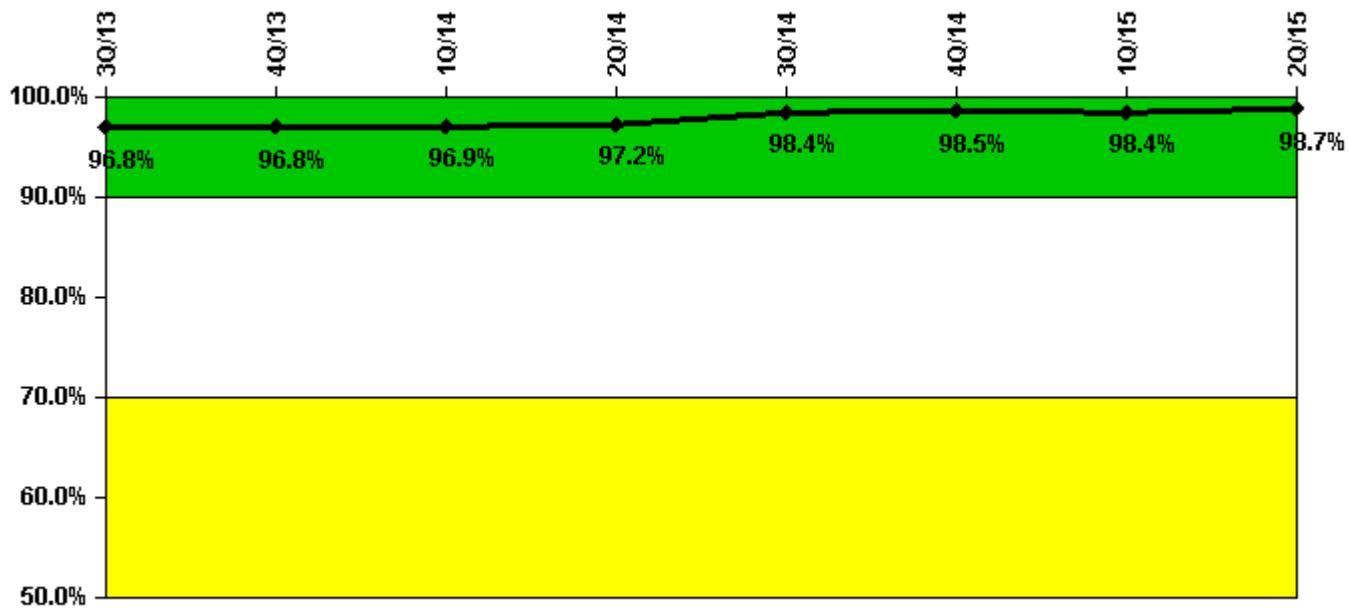
Thresholds: White > 50.0 Yellow > 100.0

### **Notes**

<b>Reactor Coolant System Leakage</b>	<b>7/13</b>	<b>8/13</b>	<b>9/13</b>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>	<b>1/14</b>	<b>2/14</b>	<b>3/14</b>	<b>4/14</b>	<b>5/14</b>	<b>6/14</b>
Maximum leakage	1.740	1.910	1.850	2.110	2.140	1.970	1.850	1.980	2.240	2.100	2.210	2.430
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
<b>Indicator value</b>	<b>5.8</b>	<b>6.4</b>	<b>6.2</b>	<b>7.0</b>	<b>7.1</b>	<b>6.6</b>	<b>6.2</b>	<b>6.6</b>	<b>7.5</b>	<b>7.0</b>	<b>7.4</b>	<b>8.1</b>
<b>Reactor Coolant System Leakage</b>	<b>7/14</b>	<b>8/14</b>	<b>9/14</b>	<b>10/14</b>	<b>11/14</b>	<b>12/14</b>	<b>1/15</b>	<b>2/15</b>	<b>3/15</b>	<b>4/15</b>	<b>5/15</b>	<b>6/15</b>
Maximum leakage	2.550	2.420	2.290	2.300	2.380	2.500	1.970	1.910	1.860	1.870	1.860	1.840
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
<b>Indicator value</b>	<b>8.5</b>	<b>8.1</b>	<b>7.6</b>	<b>7.7</b>	<b>7.9</b>	<b>8.3</b>	<b>6.6</b>	<b>6.4</b>	<b>6.2</b>	<b>6.2</b>	<b>6.2</b>	<b>6.1</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

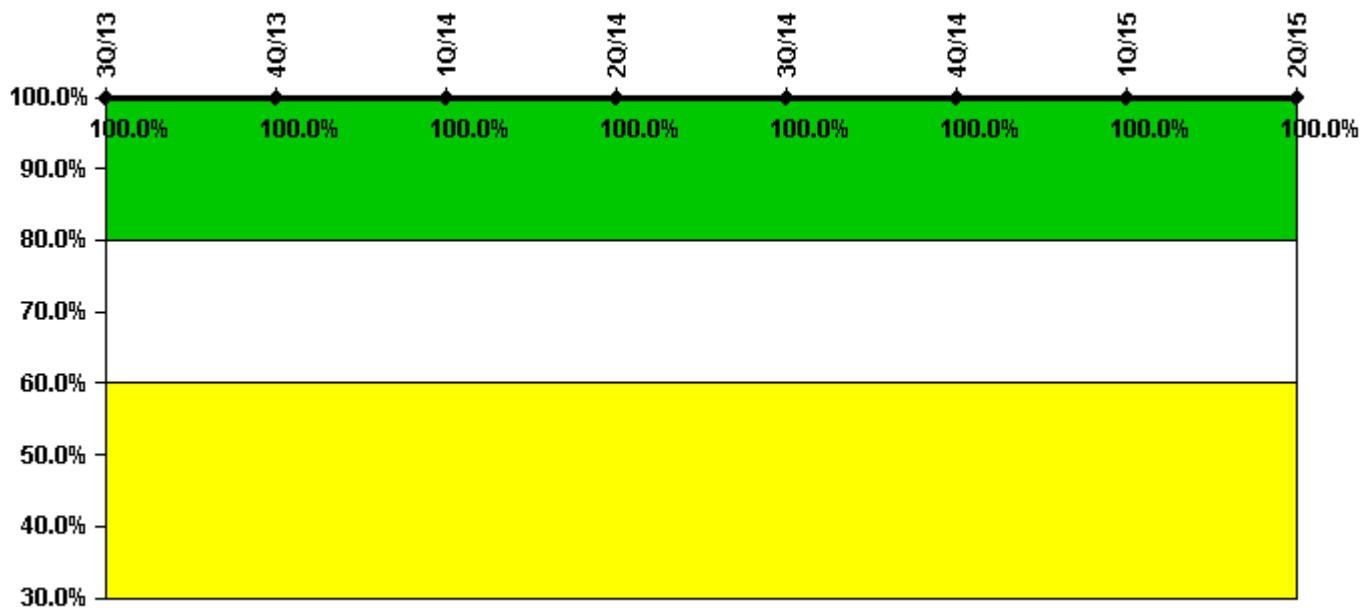
#### Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	38.0	48.0	26.0	64.0	78.0	50.0	26.0	53.0
Total opportunities	38.0	50.0	26.0	65.0	78.0	50.0	26.0	55.0
<b>Indicator value</b>	<b>96.8%</b>	<b>96.8%</b>	<b>96.9%</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>

Licensee Comments:

1Q/14: These values have been revised due to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

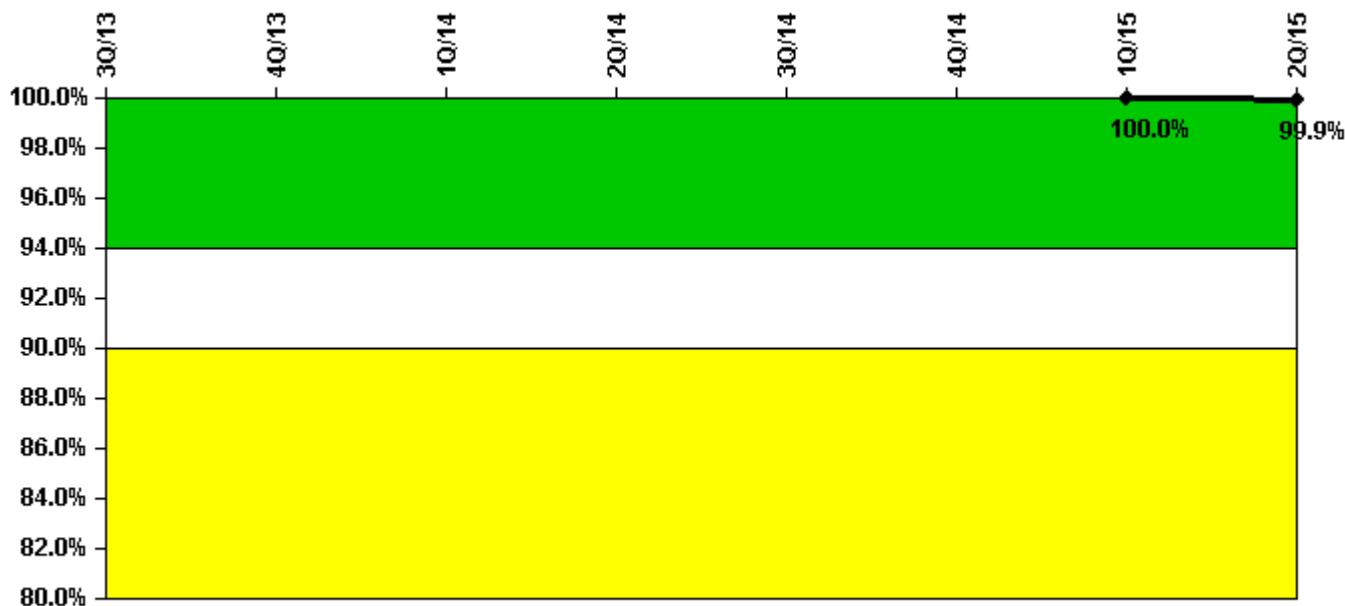
#### Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	110.0	111.0	110.0	106.0	109.0	112.0	109.0	107.0
Total Key personnel	110.0	111.0	110.0	106.0	109.0	112.0	109.0	107.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests				1040	1117	1120	960	1039
Total sirens-tests				1040	1119	1120	960	1040
<b>Indicator value</b>							<b>100.0%</b>	<b>99.9%</b>

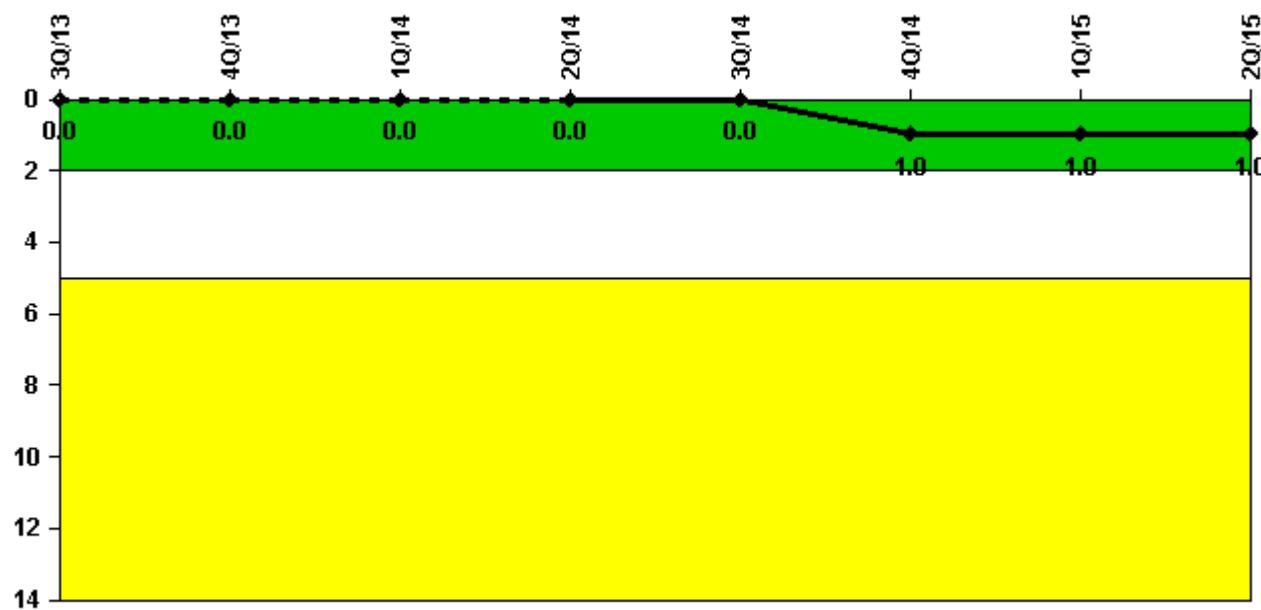
Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

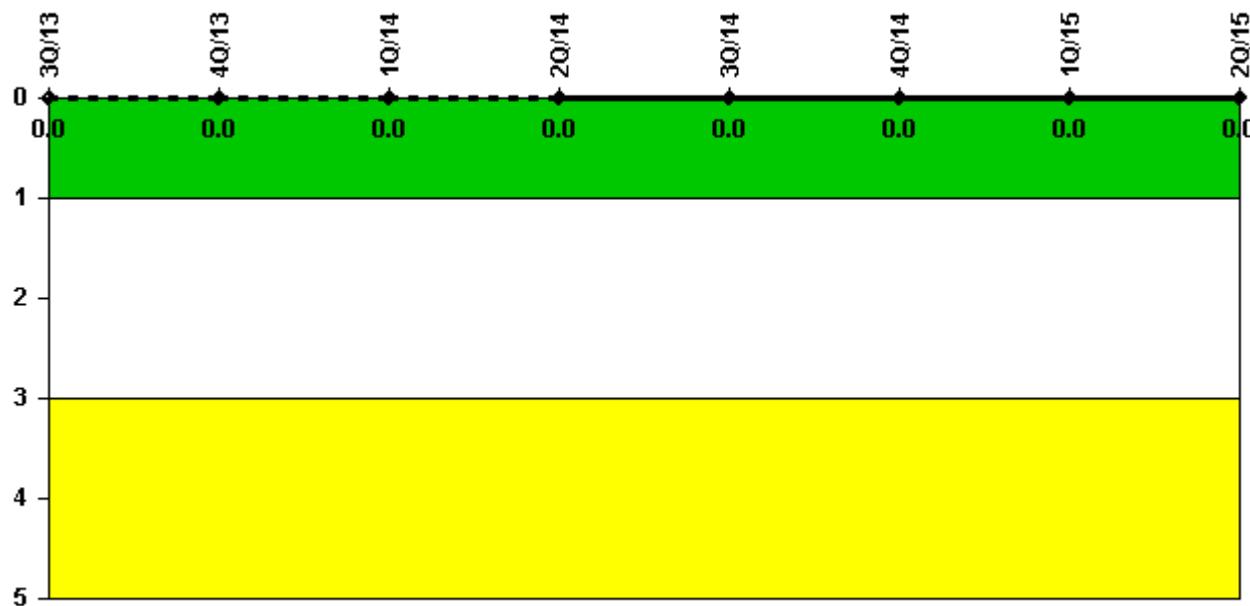


Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	0	0	1	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>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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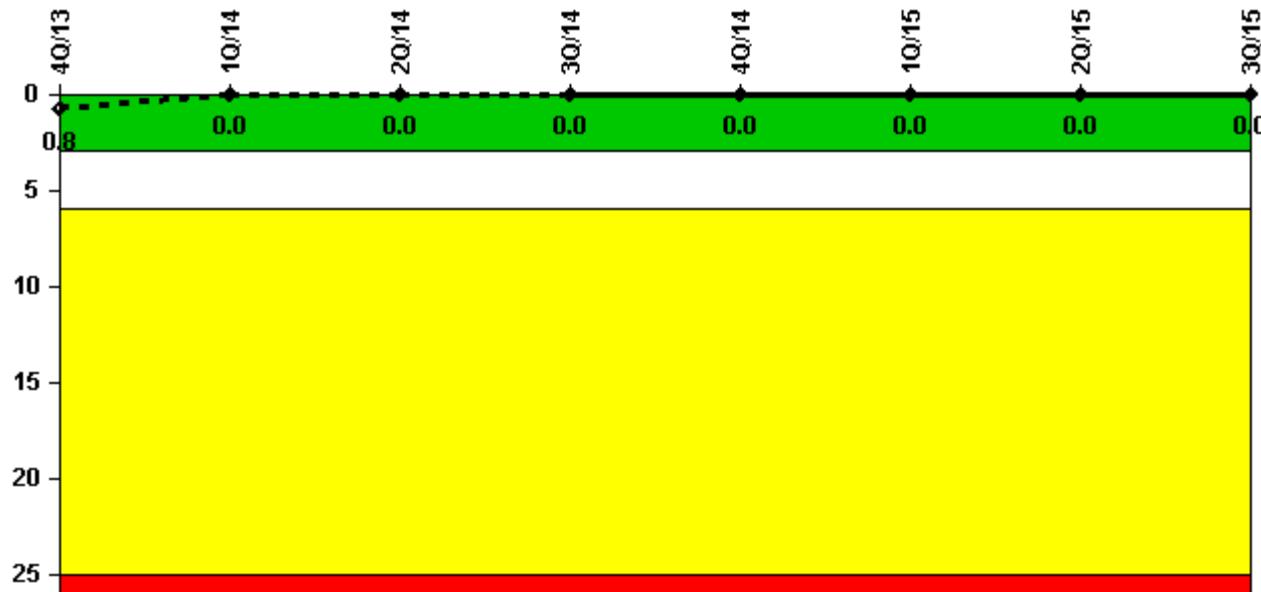
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: July 24, 2015*

**Hatch 1****3Q/2015 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

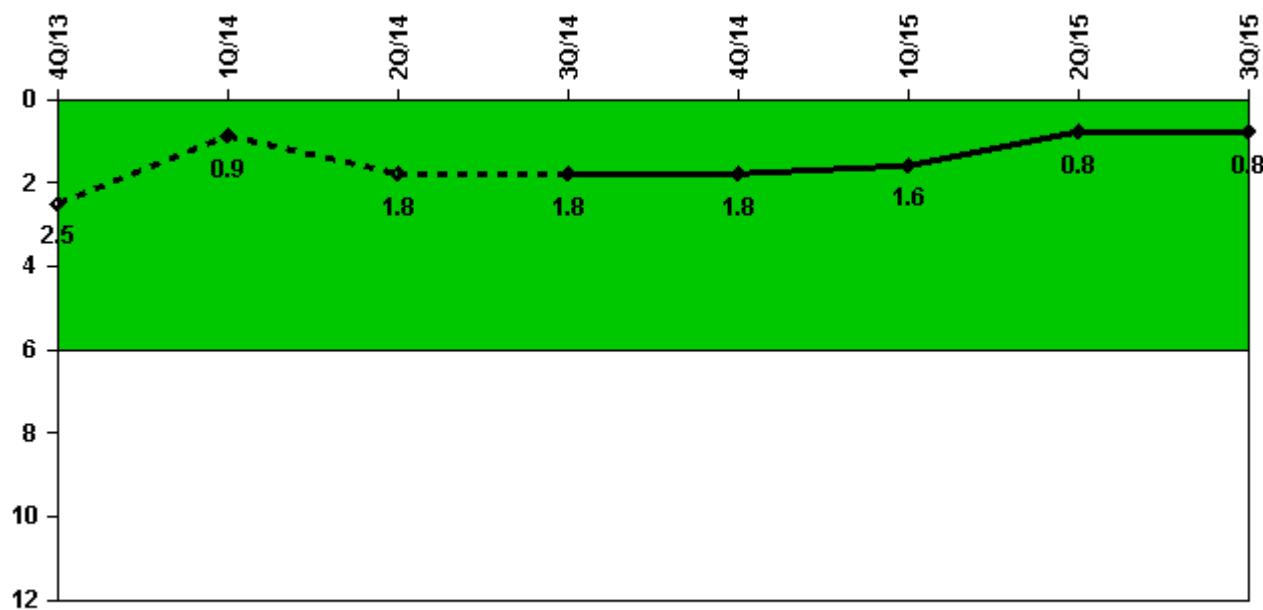
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



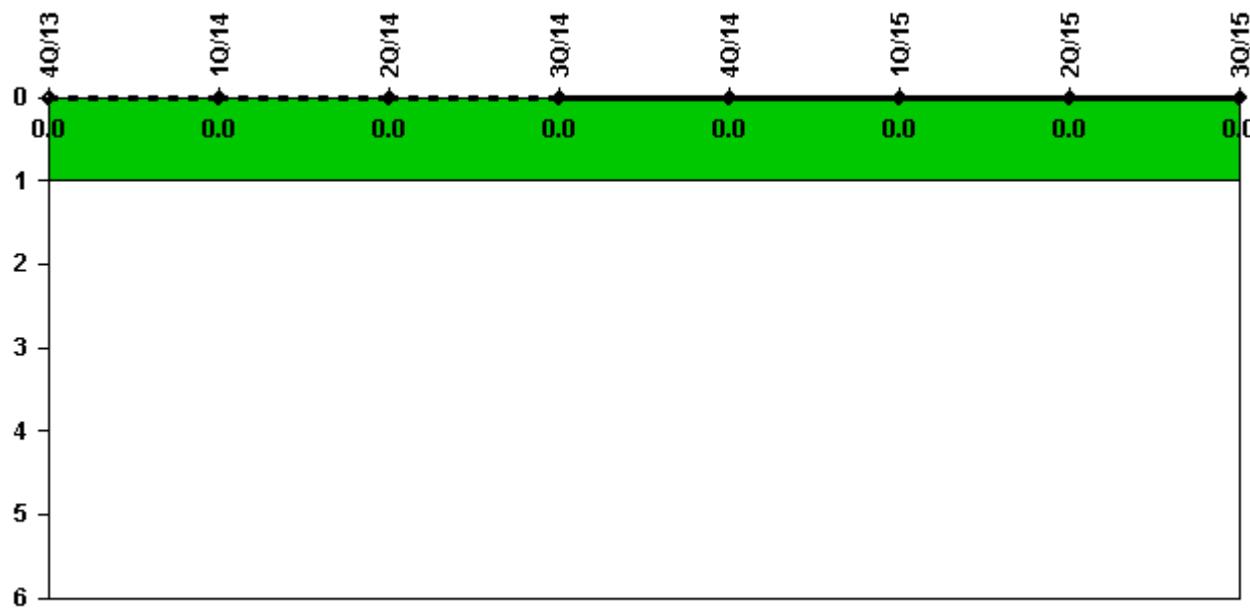
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	1.0	0	1.0	0	1.0	0	0	0
Critical hours	2129.3	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0
<b>Indicator value</b>	<b>2.5</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Scrams with Complications



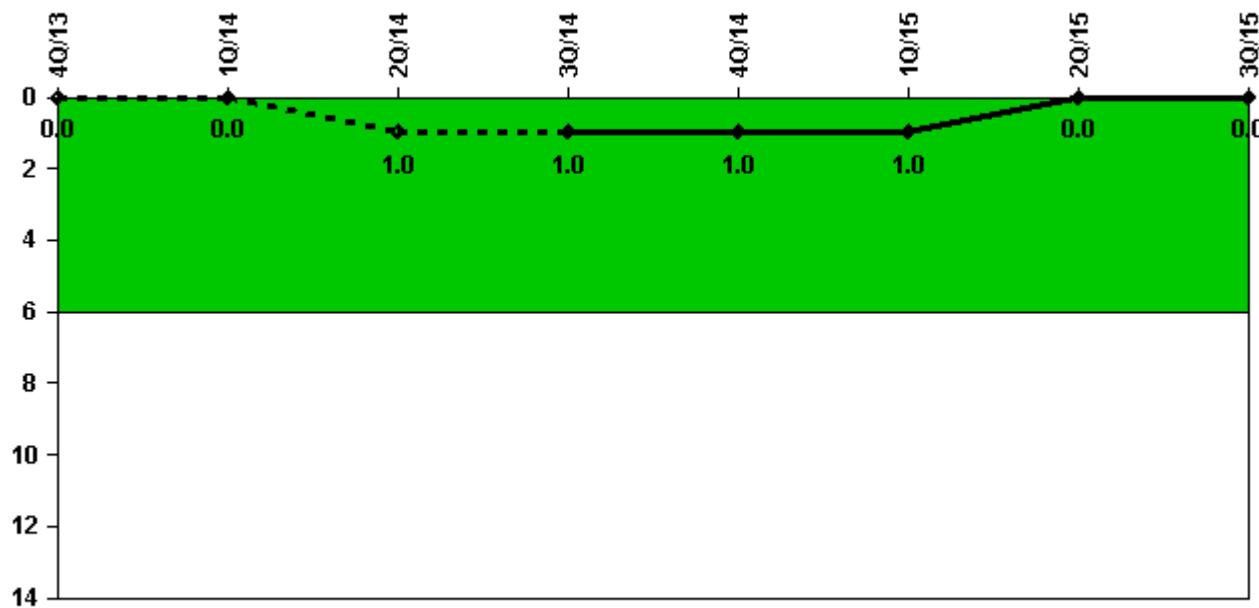
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

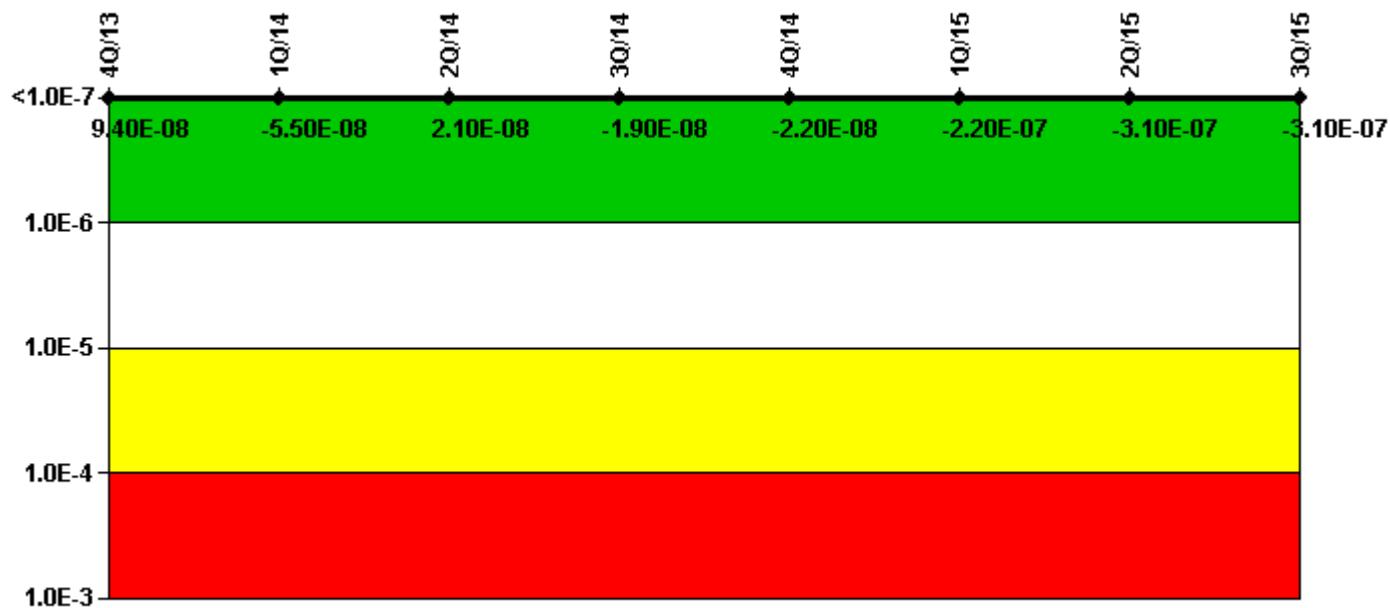
#### Notes

Safety System Functional Failures (BWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

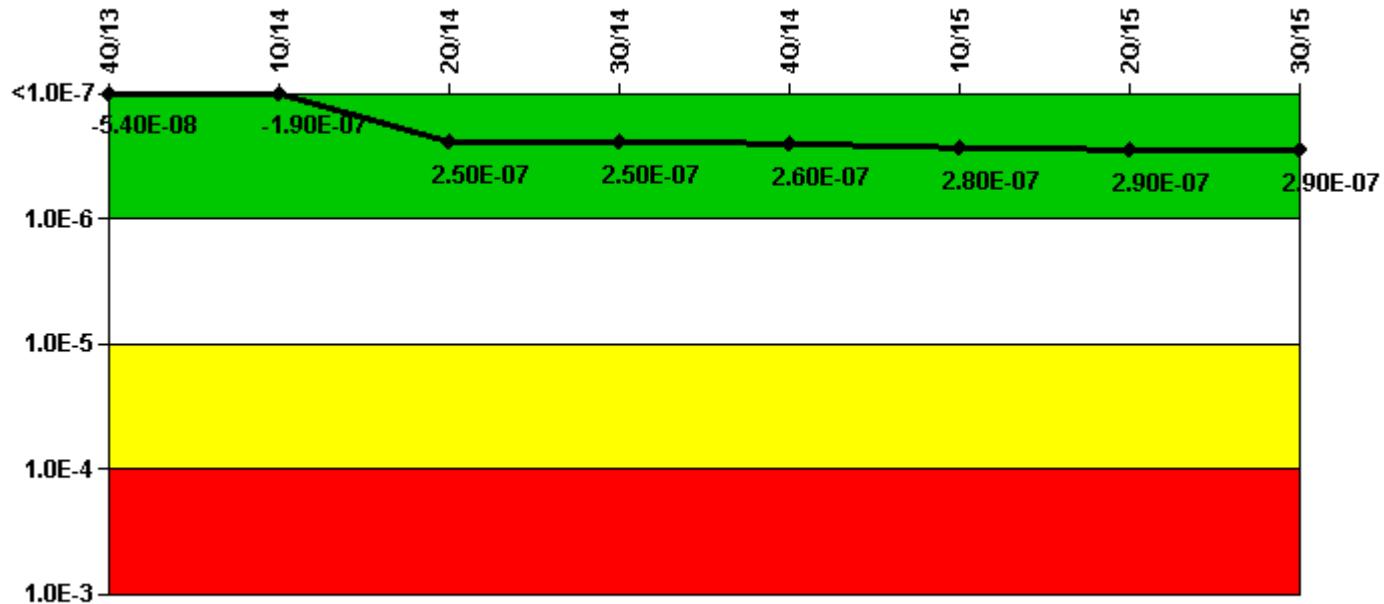
Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	1.25E-07	5.34E-08	1.22E-07	7.52E-08	7.21E-08	8.51E-08	3.48E-09	1.26E-09
URI ( $\Delta$ CDF)	-3.00E-08	-1.08E-07	-1.01E-07	-9.38E-08	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>9.40E-08</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

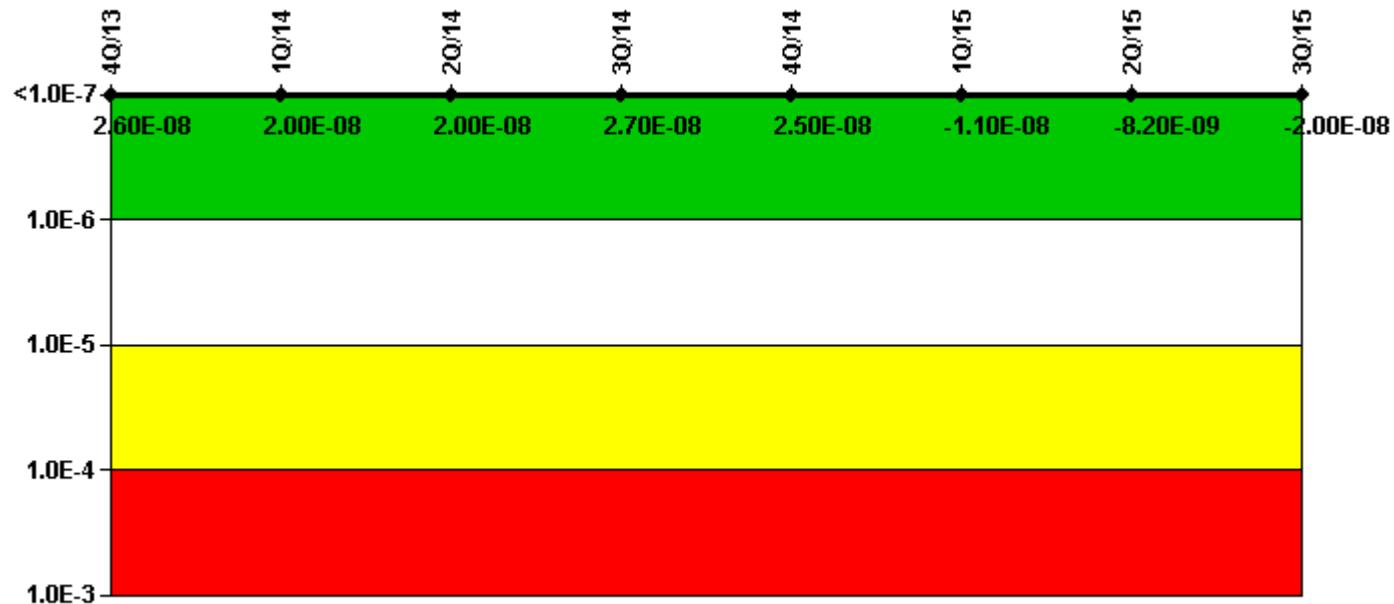
Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-2.11E-08	-7.73E-08	-7.44E-08	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	-3.29E-08	-1.16E-07	3.25E-07	3.25E-07	3.38E-07	3.52E-07	3.65E-07	3.65E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-5.40E-08</b>	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	9.96E-09	4.27E-09	4.21E-09	1.21E-08	1.06E-08	2.87E-09	5.59E-09	-7.00E-09
URI ( $\Delta$ CDF)	1.62E-08	1.58E-08	1.57E-08	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.60E-08</b>	<b>2.00E-08</b>	<b>2.00E-08</b>	<b>2.70E-08</b>	<b>2.50E-08</b>	<b>-1.10E-08</b>	<b>-8.20E-09</b>	<b>-2.00E-08</b>

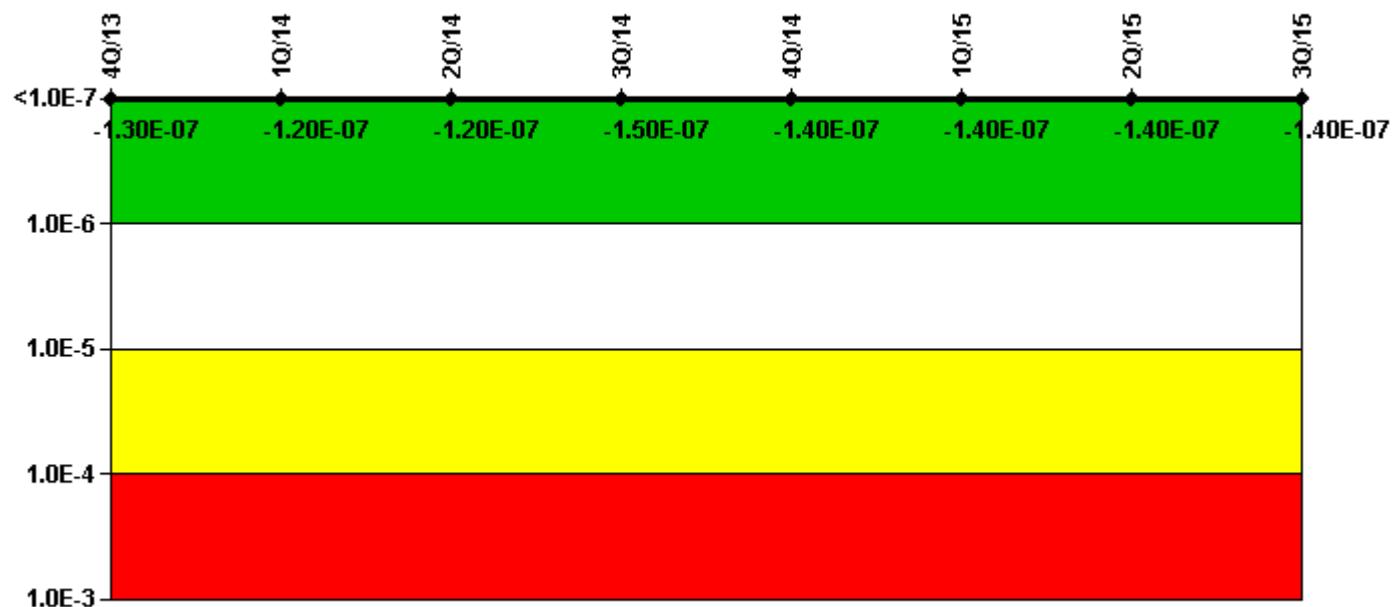
### Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF

numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

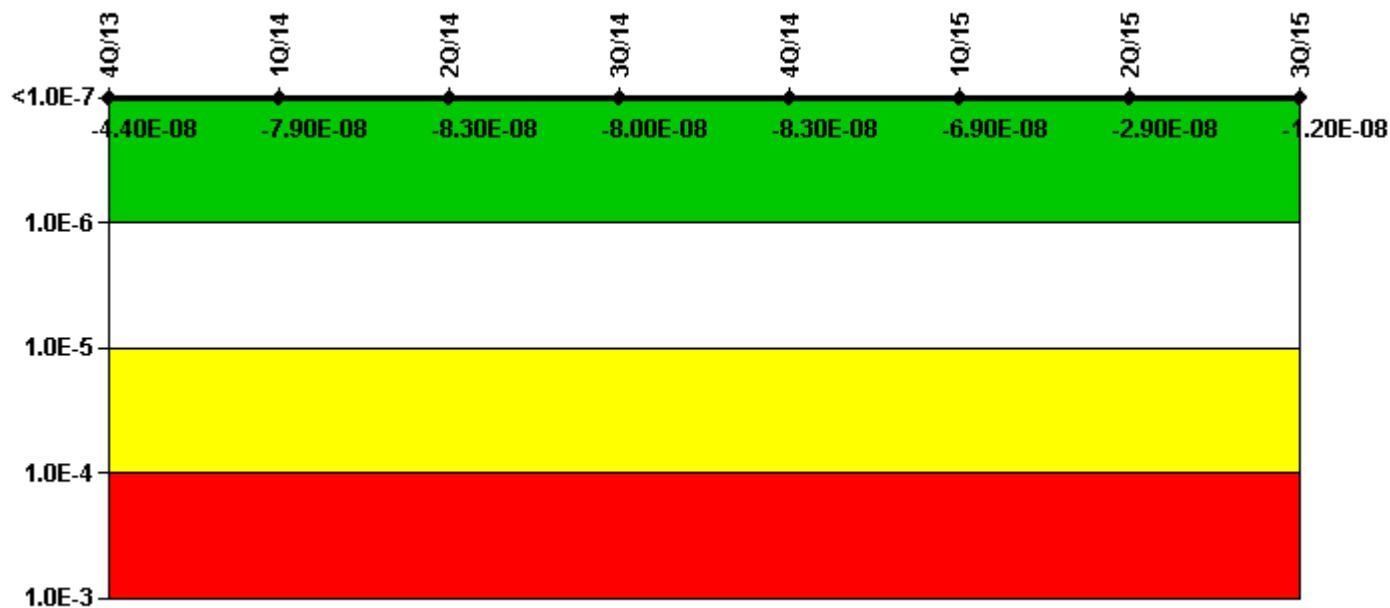
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-4.52E-09	1.39E-08	1.38E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.27E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.30E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

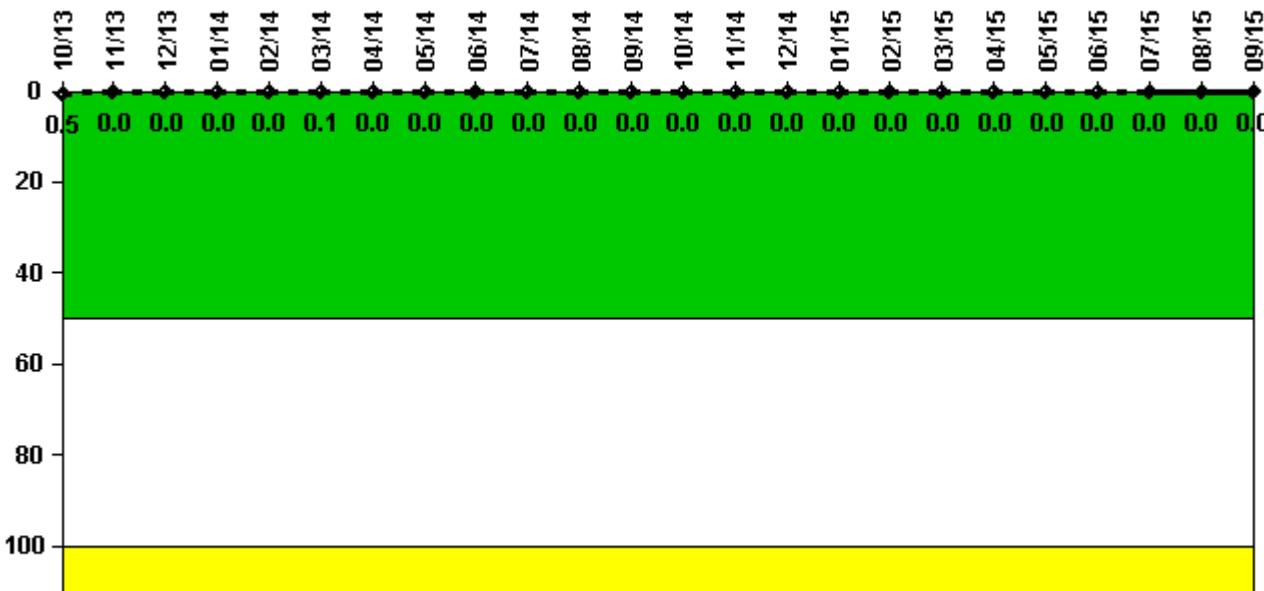
Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	4.20E-08	1.47E-10	1.50E-10	4.48E-09	1.30E-09	1.23E-08	5.63E-08	7.27E-08
URI ( $\Delta$ CDF)	-8.56E-08	-7.94E-08	-8.28E-08	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08
PLE	NO							
<b>Indicator value</b>	<b>-4.40E-08</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

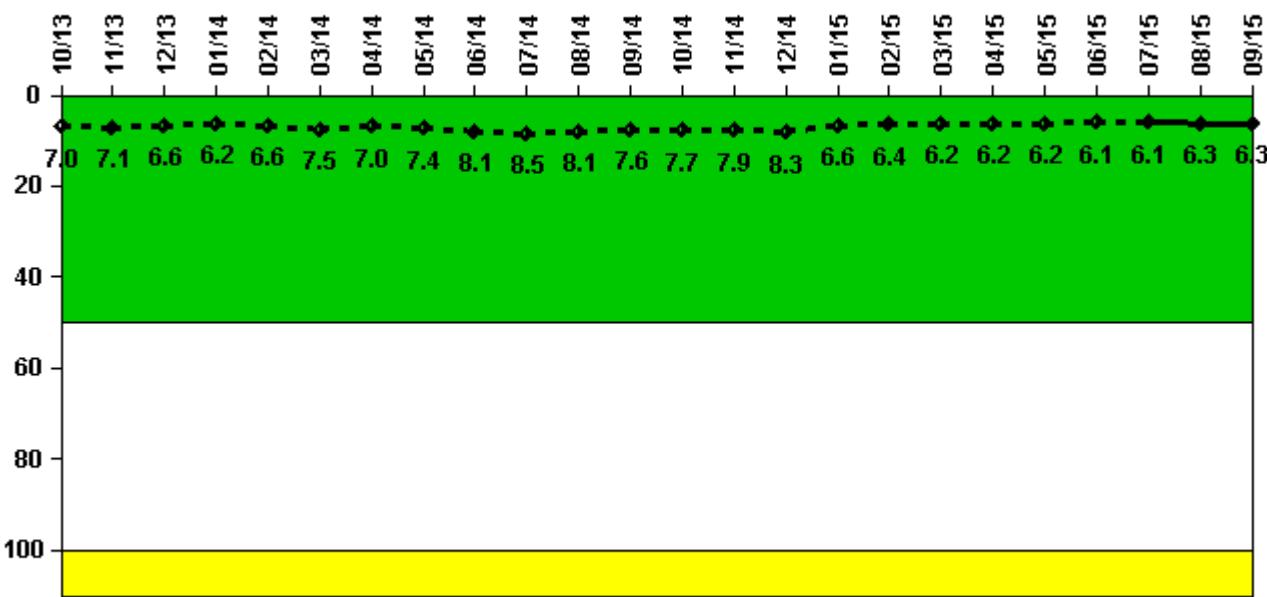
#### Notes

Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000948	0.000019	0.000023	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004
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	0.5	0	0	0	0	0.1	0	0	0	0	0	0
Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005
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												

<b>value</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

### Reactor Coolant System Leakage



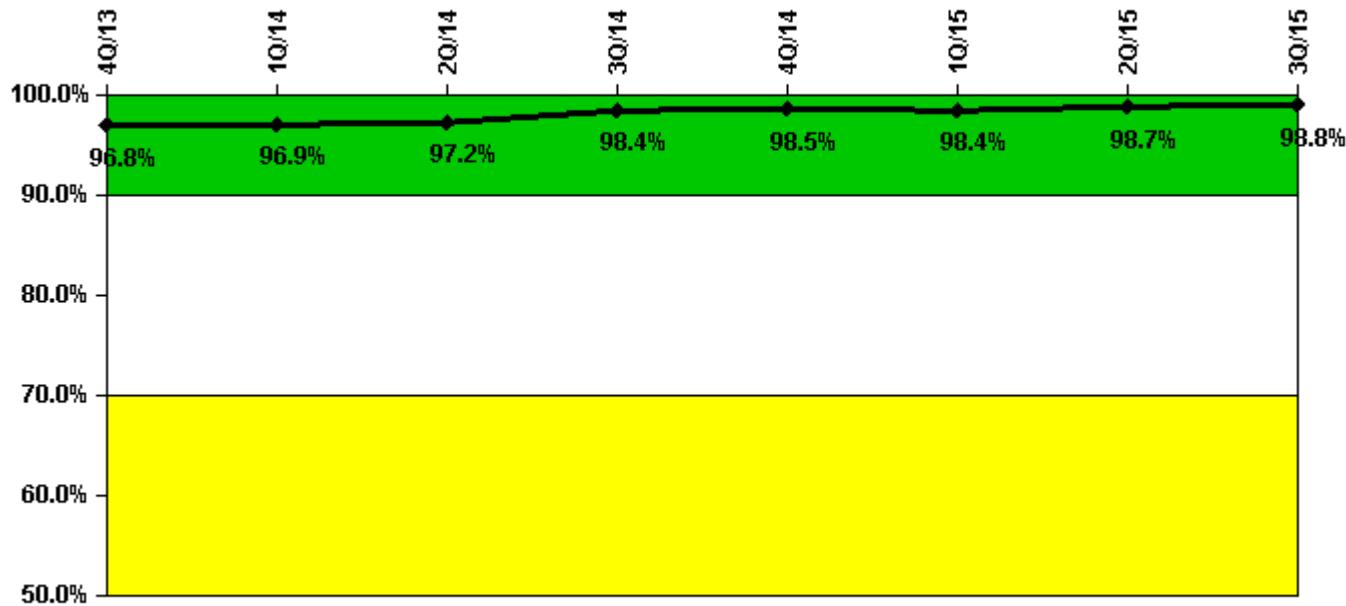
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	2.110	2.140	1.970	1.850	1.980	2.240	2.100	2.210	2.430	2.550	2.420	2.290
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	7.0	7.1	6.6	6.2	6.6	7.5	7.0	7.4	8.1	8.5	8.1	7.6
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	2.300	2.380	2.500	1.970	1.910	1.860	1.870	1.860	1.840	1.840	1.880	1.890
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	7.7	7.9	8.3	6.6	6.4	6.2	6.2	6.2	6.1	6.1	6.3	6.3

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	48.0	26.0	64.0	78.0	50.0	26.0	53.0	58.0
Total opportunities	50.0	26.0	65.0	78.0	50.0	26.0	55.0	58.0
<b>Indicator value</b>	<b>96.8%</b>	<b>96.9%</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>

Licensee Comments:

1Q/14: These values have been revised due to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

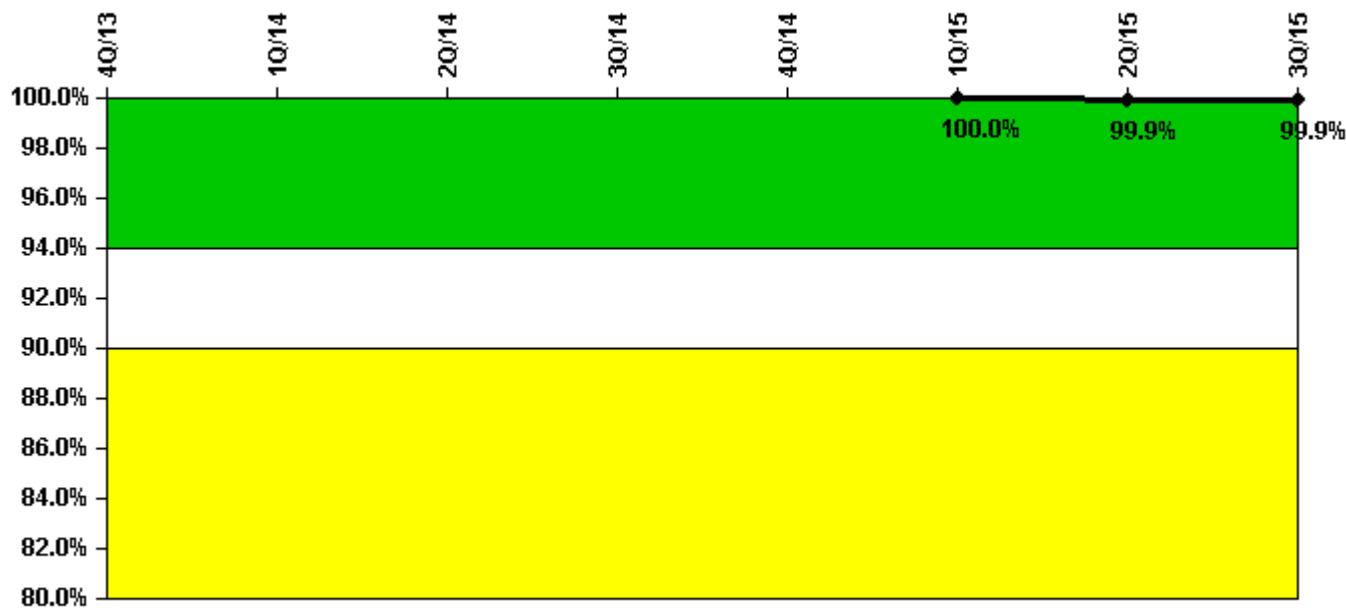
#### Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	111.0	110.0	106.0	109.0	112.0	109.0	107.0	101.0
Total Key personnel	111.0	110.0	106.0	109.0	112.0	109.0	107.0	101.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

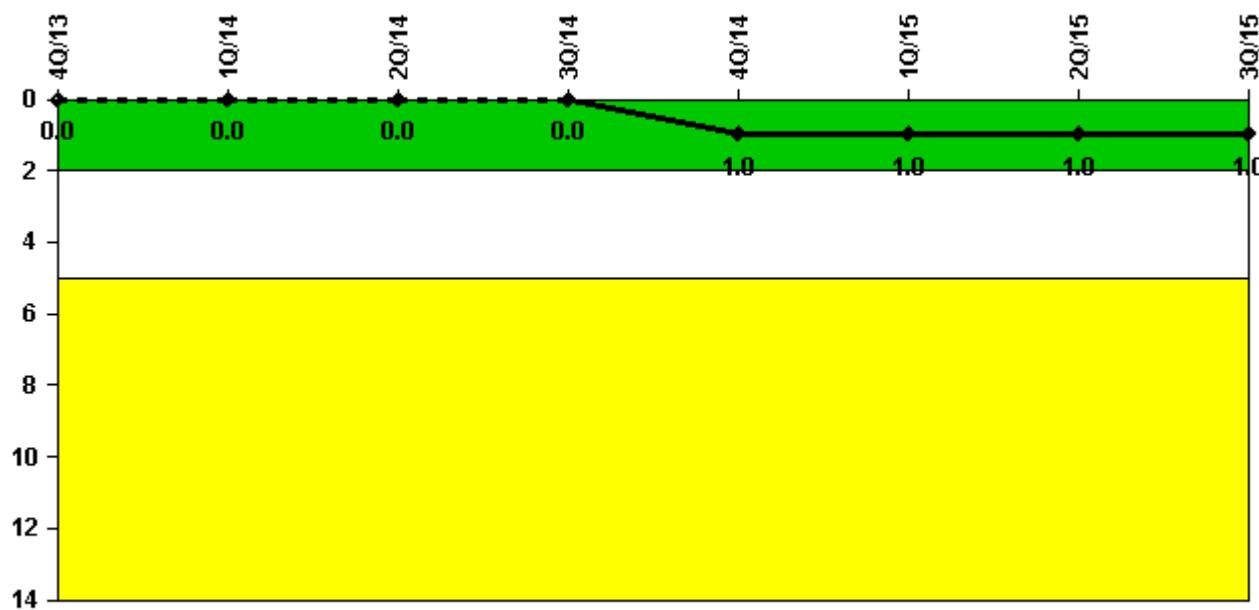
Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests			1040	1117	1120	960	1039	1117
Total sirens-tests			1040	1119	1120	960	1040	1120
<b>Indicator value</b>						<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



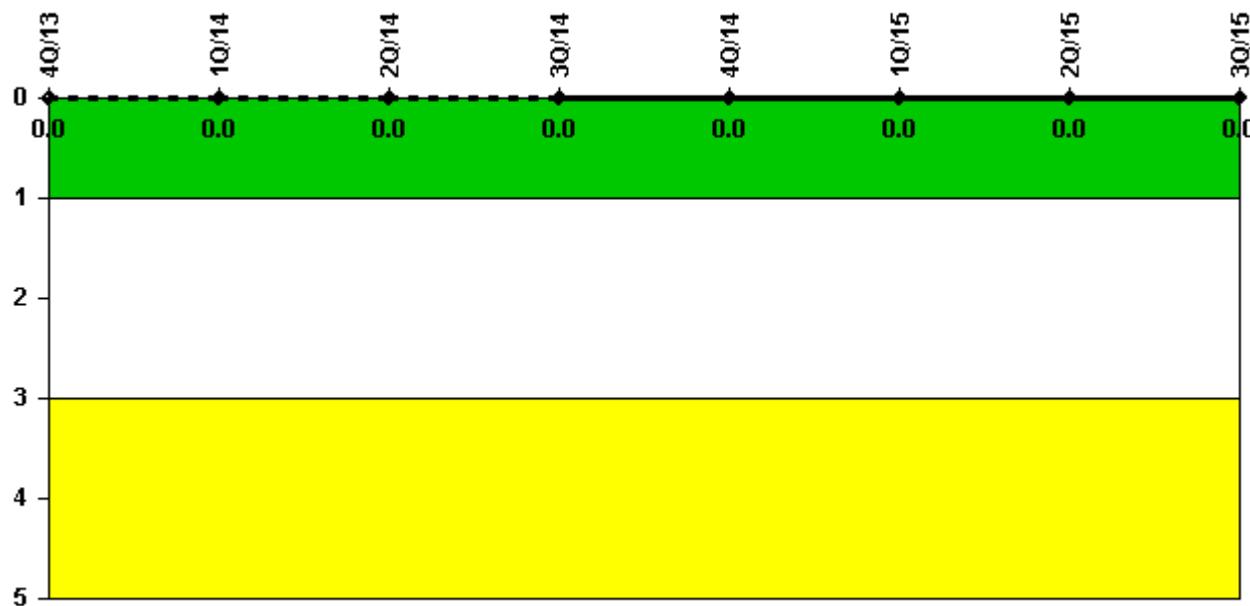
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

---

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

*Last Modified: December 15, 2015*

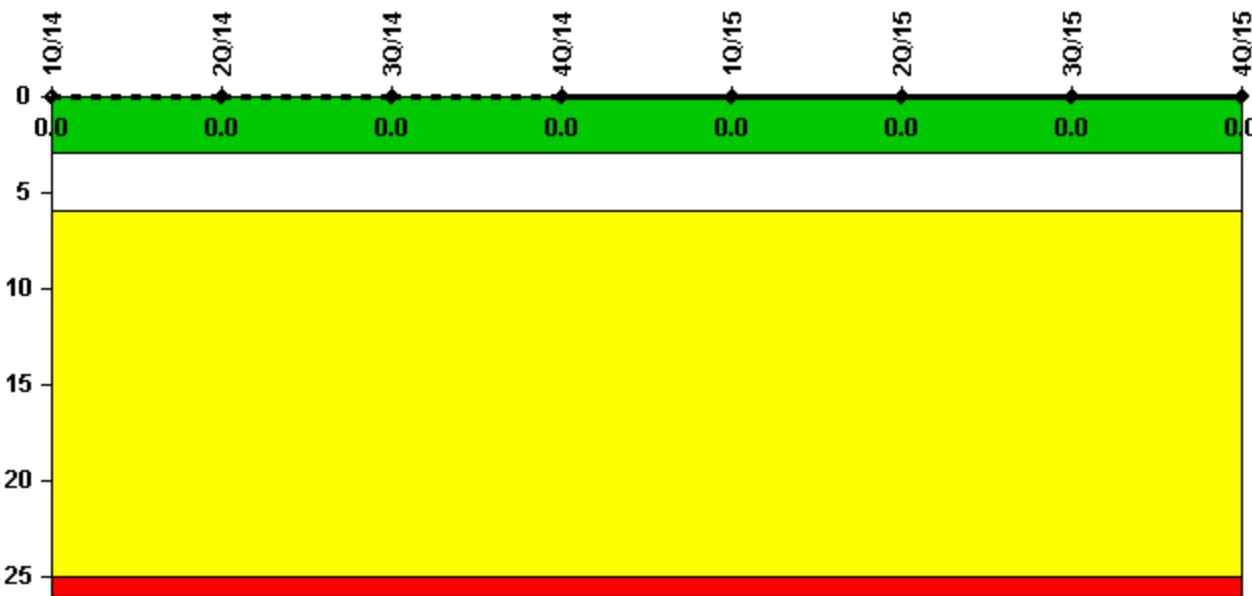
# Hatch 1

## 4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



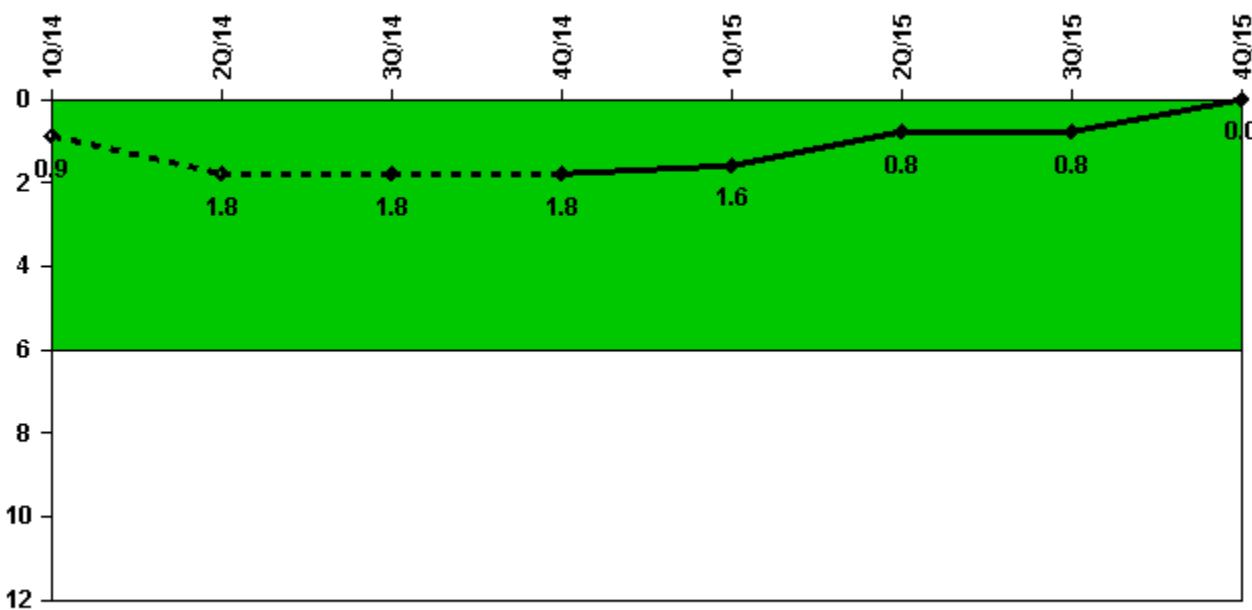
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



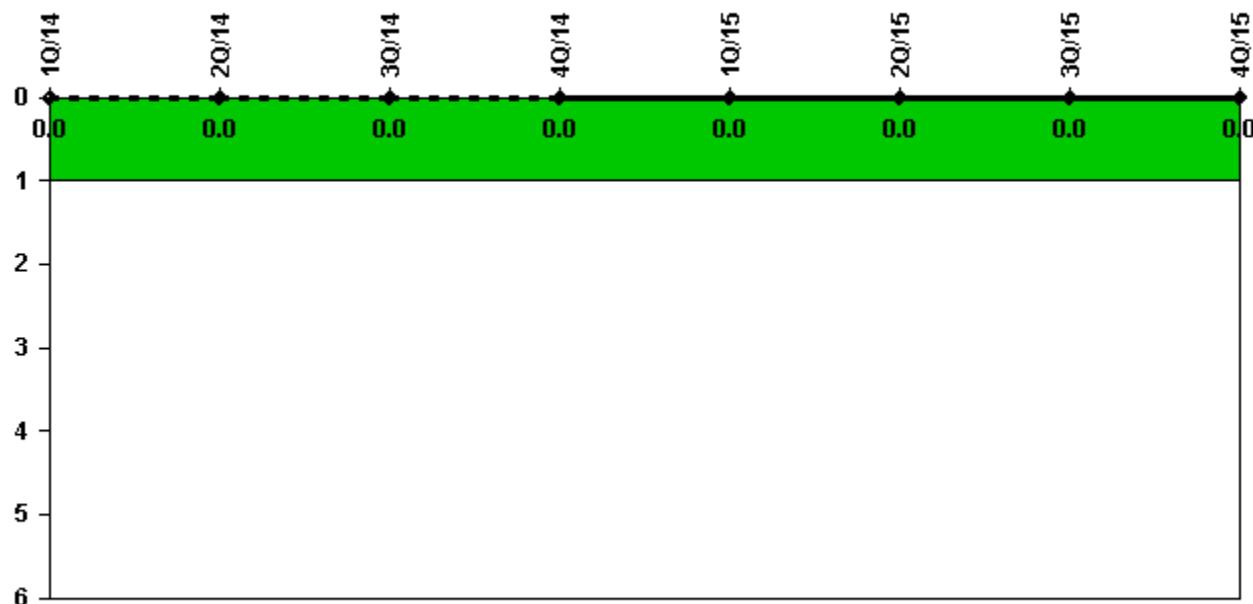
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	1.0	0	1.0	0	0	0	0
Critical hours	1465.9	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0
<b>Indicator value</b>	<b>0.9</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

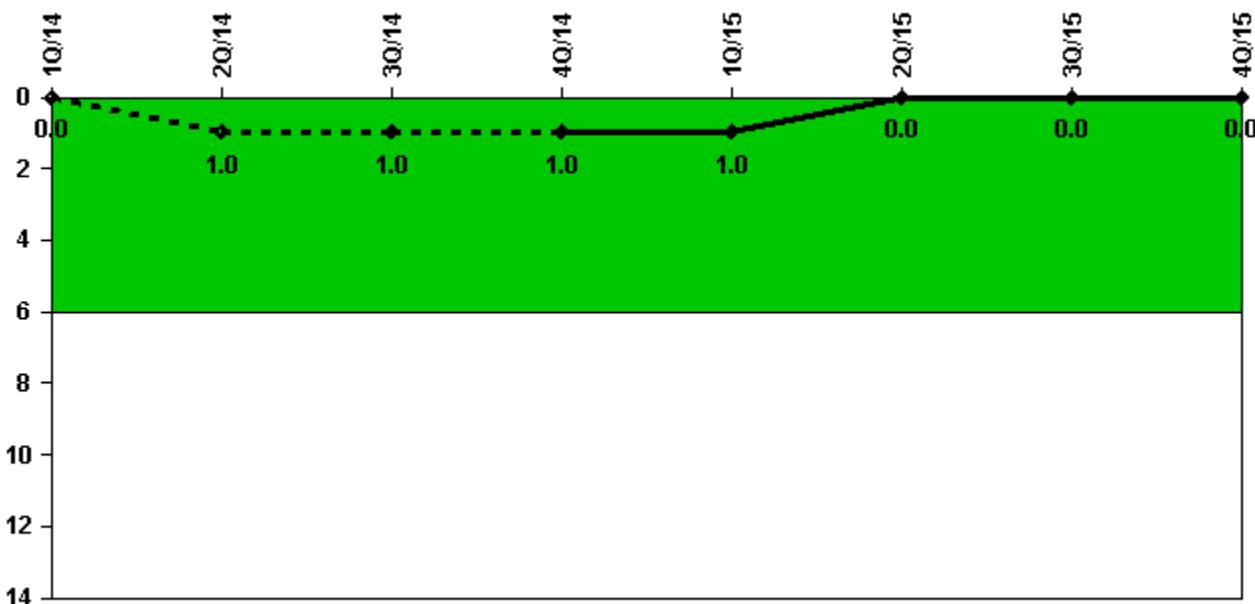
#### Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

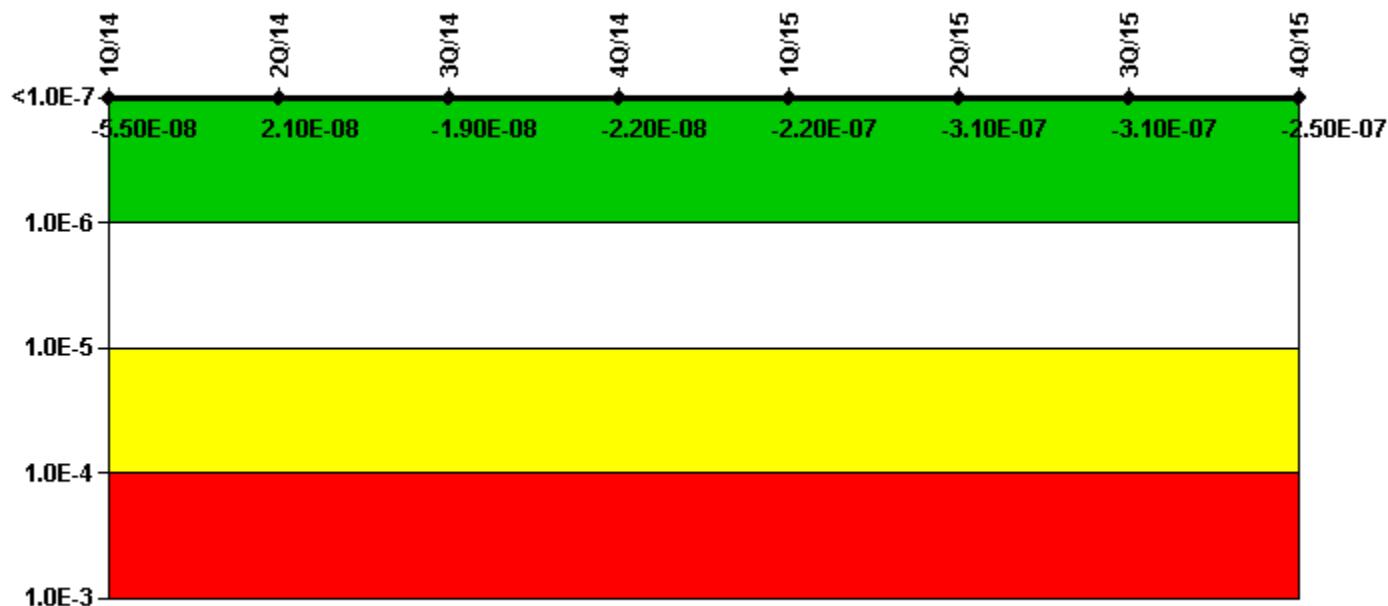
#### **Notes**

Safety System Functional Failures (BWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

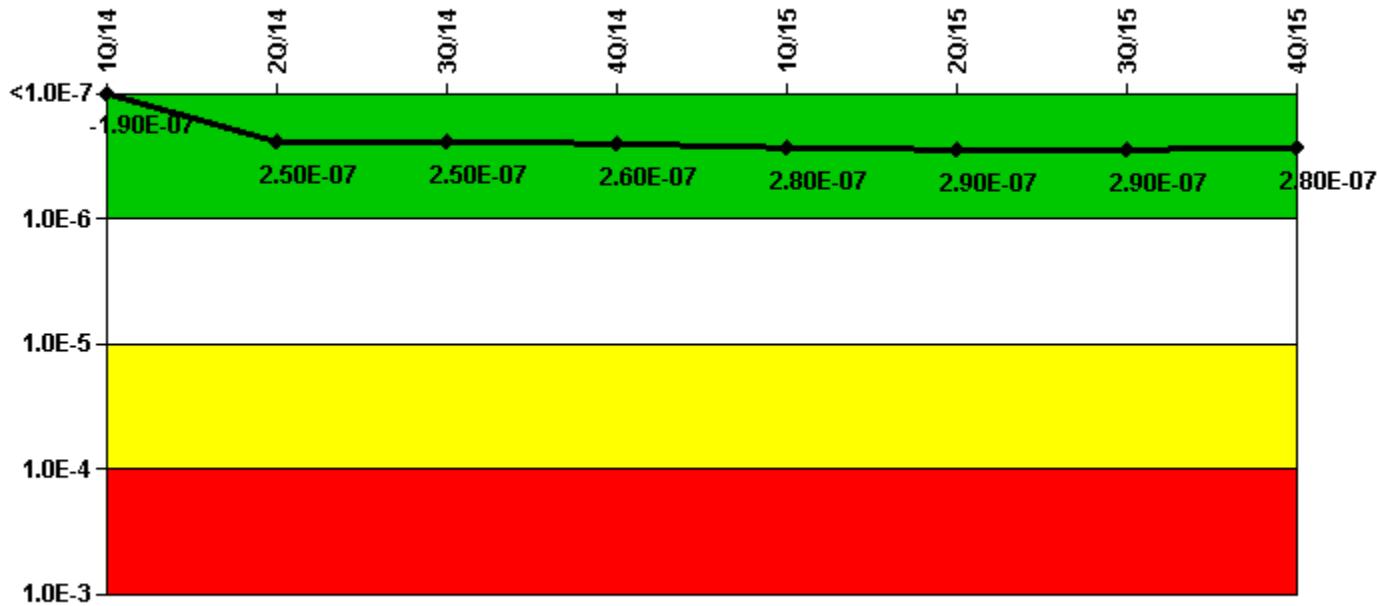
Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	5.34E-08	1.22E-07	7.52E-08	7.21E-08	8.51E-08	3.48E-09	1.26E-09	5.46E-08
URI ( $\Delta$ CDF)	-1.08E-07	-1.01E-07	-9.38E-08	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-5.50E-08</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, High Pressure Injection System



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

### Notes

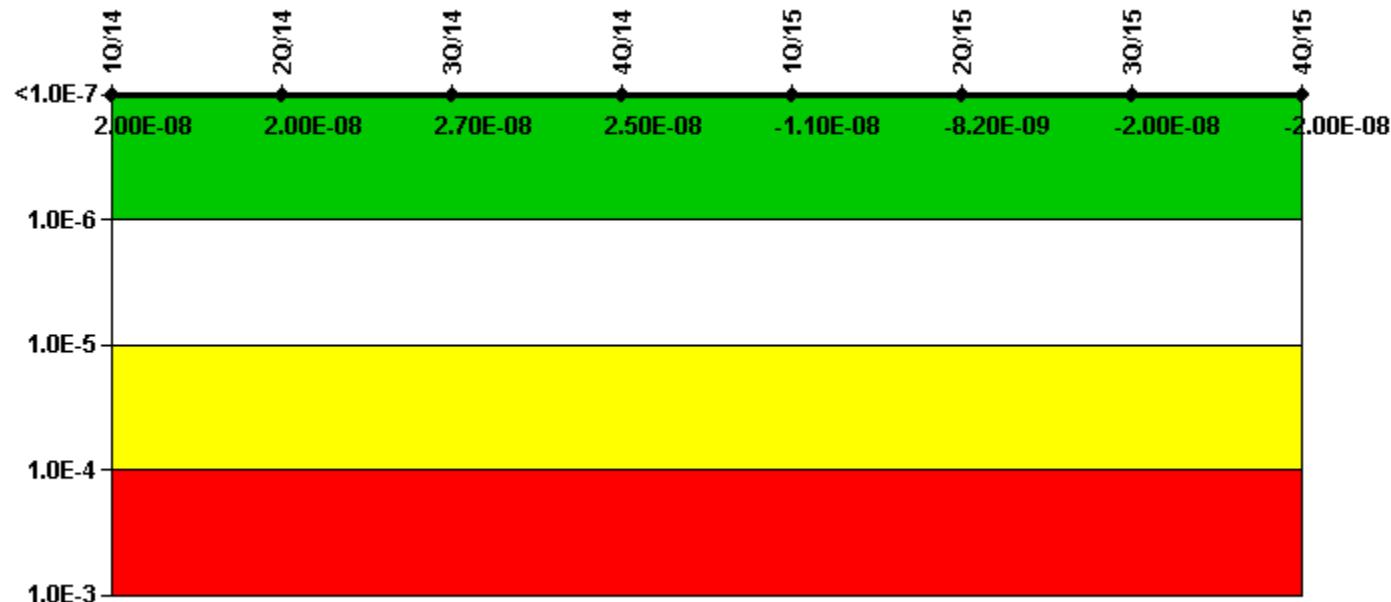
Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	-7.73E-08	-7.44E-08	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	-1.16E-07	3.25E-07	3.25E-07	3.38E-07	3.52E-07	3.65E-07	3.65E-07	3.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.90E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### 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	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	4.27E-09	4.21E-09	1.21E-08	1.06E-08	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09
URI ( $\Delta$ CDF)	1.58E-08	1.57E-08	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.00E-08</b>	<b>2.00E-08</b>	<b>2.70E-08</b>	<b>2.50E-08</b>	<b>-1.10E-08</b>	<b>-8.20E-09</b>	<b>-2.00E-08</b>	<b>-2.00E-08</b>

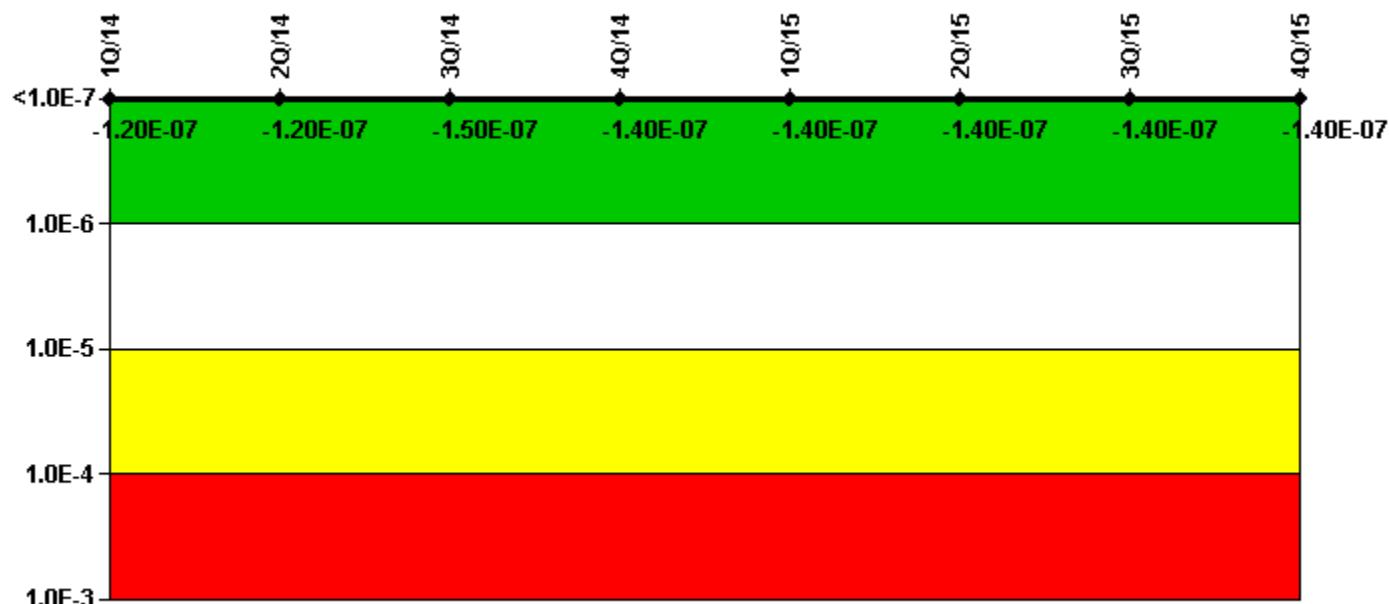
### Licensee Comments:

1Q/14: The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were

revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

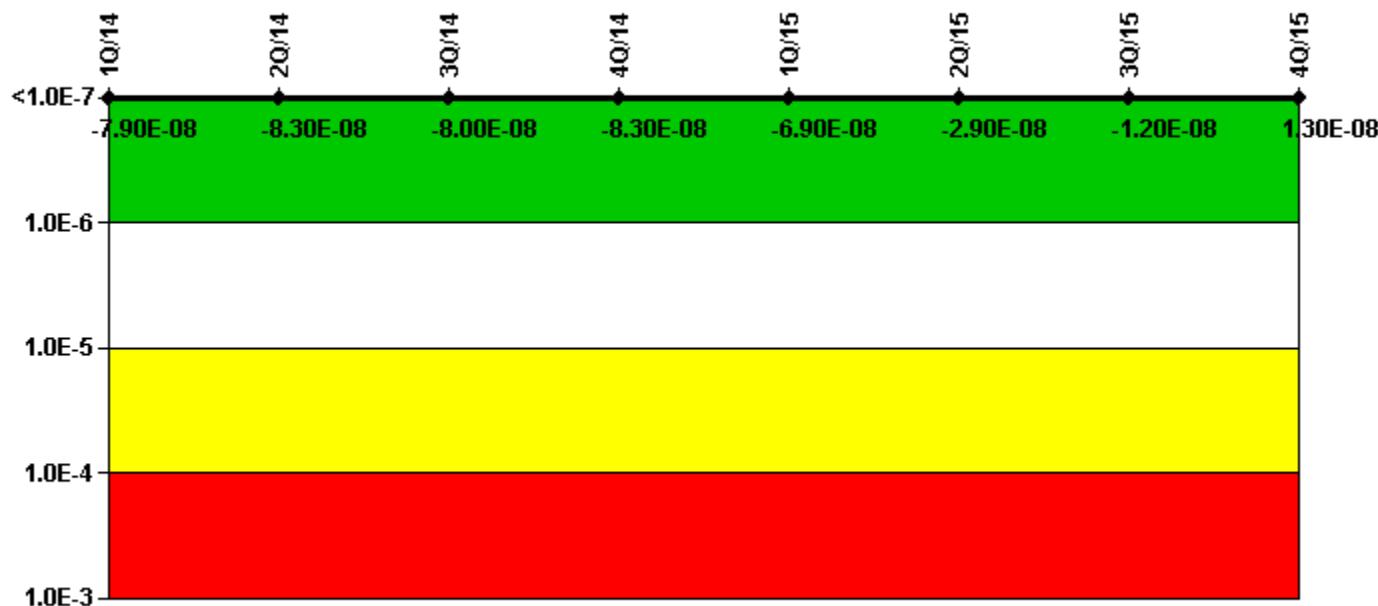
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	1.39E-08	1.38E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.32E-07	-1.34E-07	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>

## Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

## Mitigating Systems Performance Index, Cooling Water Systems



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

### Notes

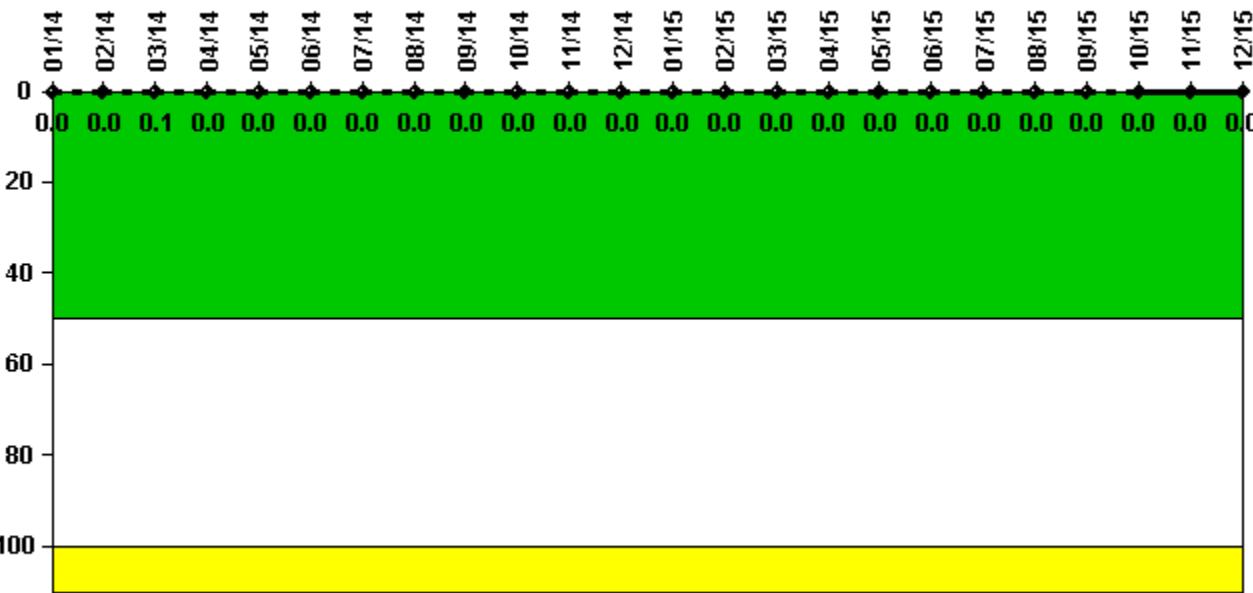
Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	1.47E-10	1.50E-10	4.48E-09	1.30E-09	1.23E-08	5.63E-08	7.27E-08	9.78E-08
URI ( $\Delta$ CDF)	-7.94E-08	-8.28E-08	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08
PLE	NO	NO						
<b>Indicator value</b>	<b>-7.90E-08</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). - All MSPI functions still remain in green.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

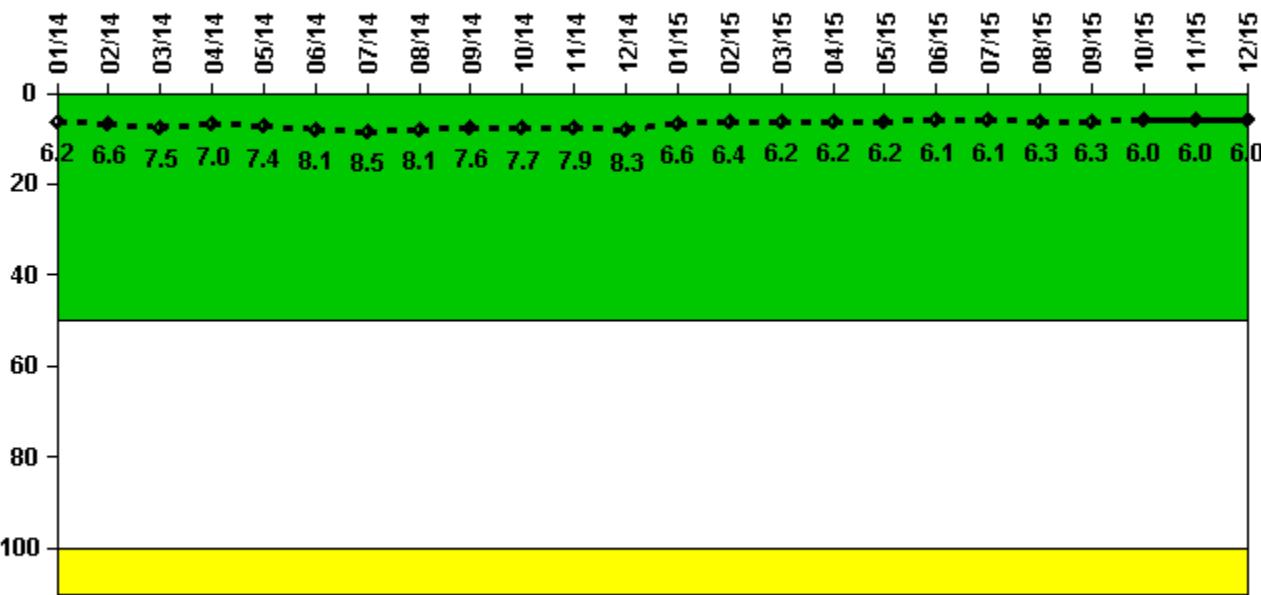
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000011	0.000012	0.000188	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0.1	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003
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												

<b>value</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

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### Reactor Coolant System Leakage



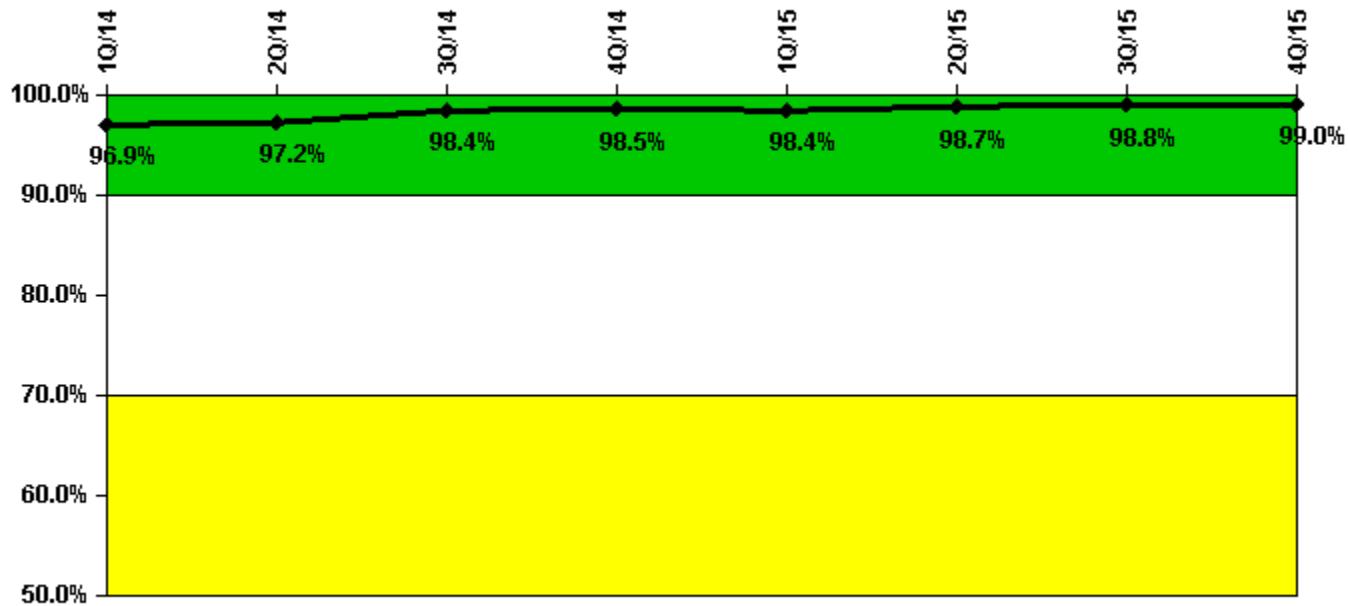
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	1.850	1.980	2.240	2.100	2.210	2.430	2.550	2.420	2.290	2.300	2.380	2.500
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	6.2	6.6	7.5	7.0	7.4	8.1	8.5	8.1	7.6	7.7	7.9	8.3
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	1.970	1.910	1.860	1.870	1.860	1.840	1.840	1.880	1.890	1.800	1.800	1.800
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	6.6	6.4	6.2	6.2	6.2	6.1	6.1	6.3	6.3	6.0	6.0	6.0

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

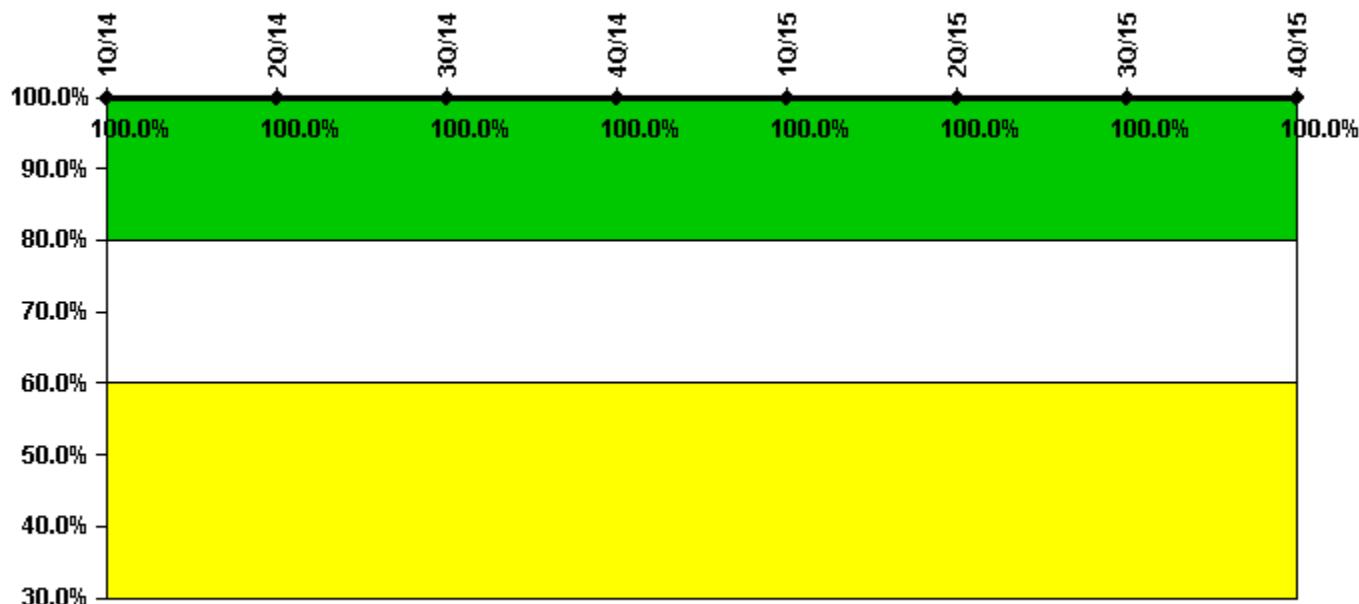
#### Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	26.0	64.0	78.0	50.0	26.0	53.0	58.0	41.0
Total opportunities	26.0	65.0	78.0	50.0	26.0	55.0	58.0	42.0
<b>Indicator value</b>	<b>96.9%</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>	<b>99.0%</b>

#### Licensee Comments:

1Q/14: These values have been revised due to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

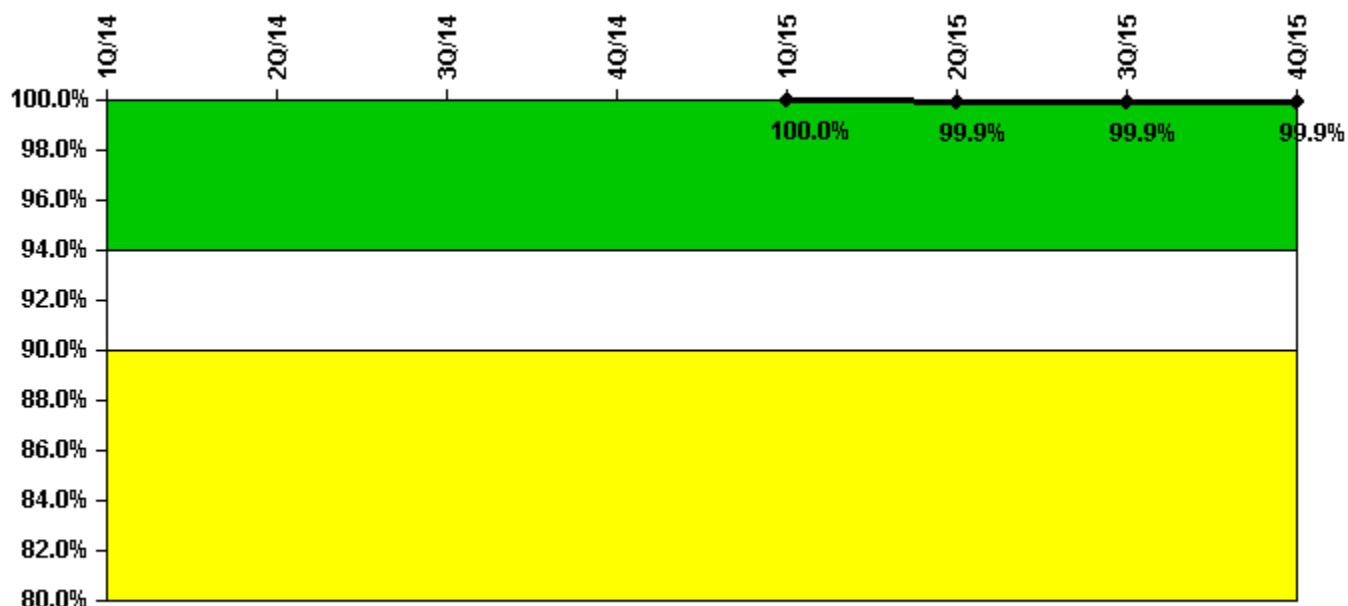
#### **Notes**

<b>ERO Drill Participation</b>	<b>1Q/14</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>
Participating Key personnel	110.0	106.0	109.0	112.0	109.0	107.0	101.0	106.0
Total Key personnel	110.0	106.0	109.0	112.0	109.0	107.0	101.0	106.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

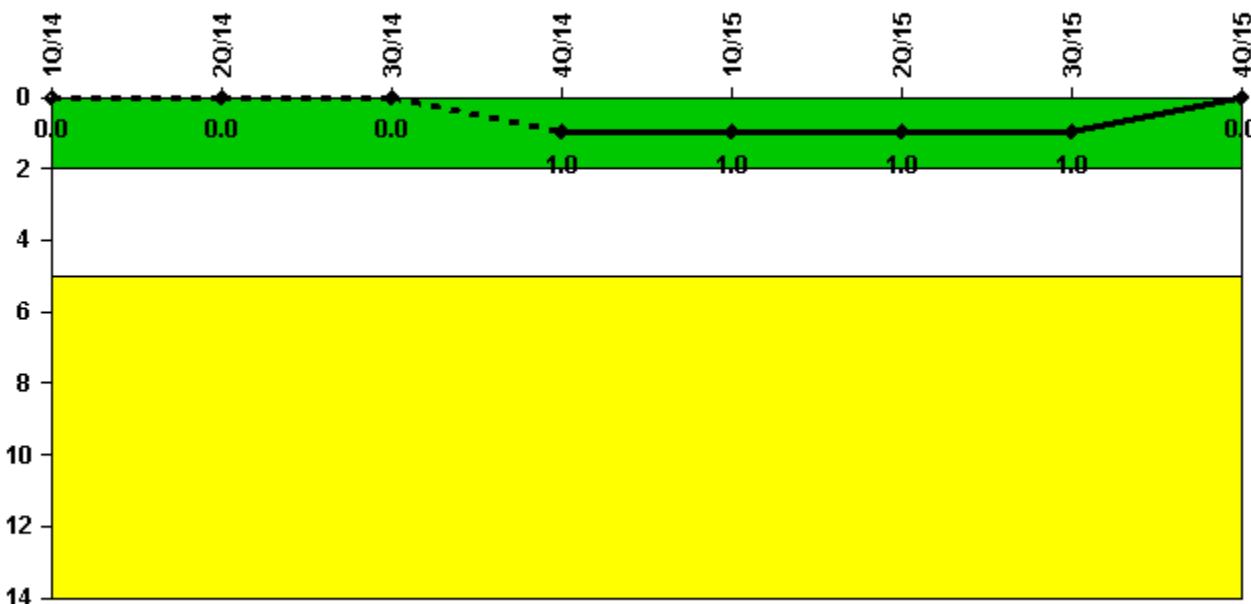
### Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests		1040	1117	1120	960	1039	1117	1039
Total sirens-tests		1040	1119	1120	960	1040	1120	1040
<b>Indicator value</b>					<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness



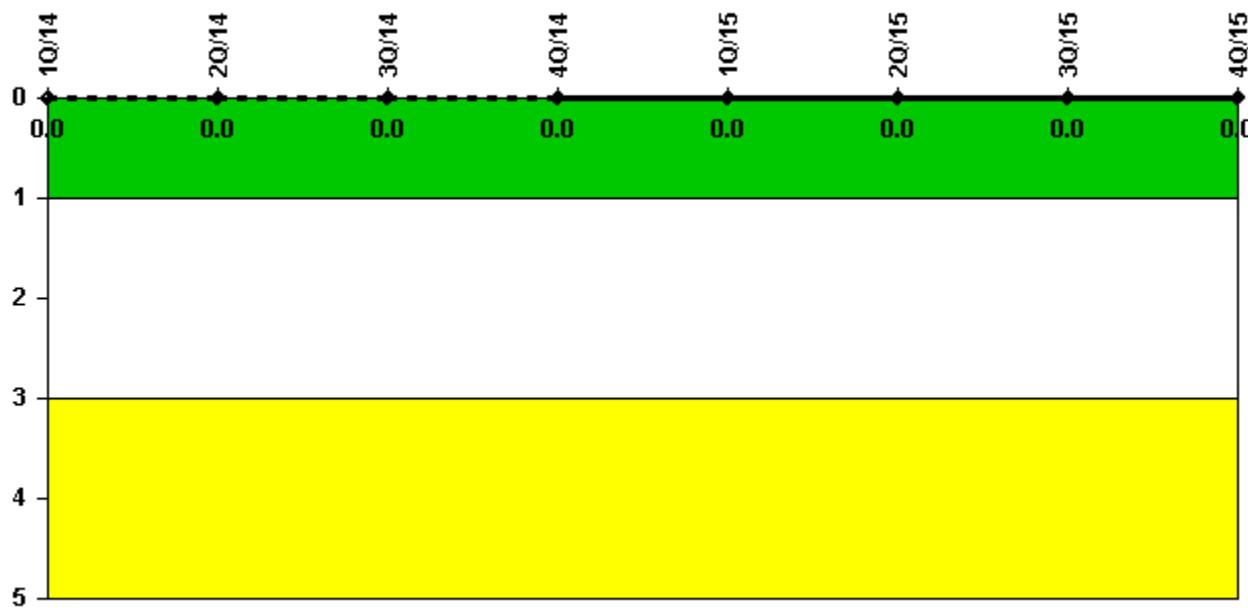
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

*Last Modified: March 1, 2016*

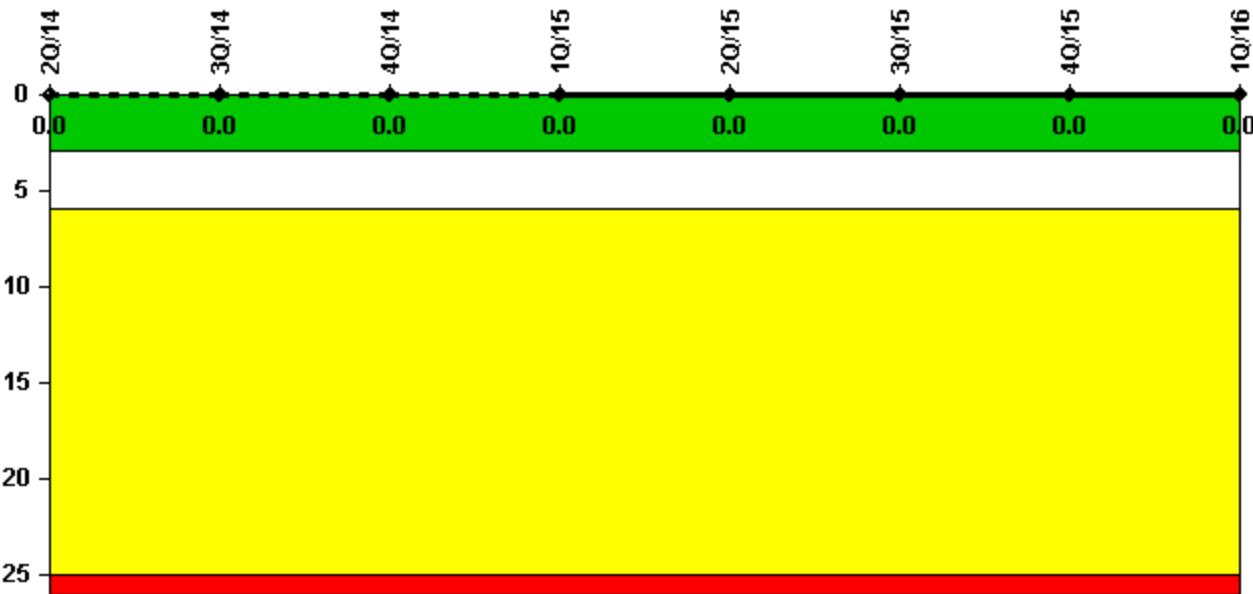
# Hatch 1

## 1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



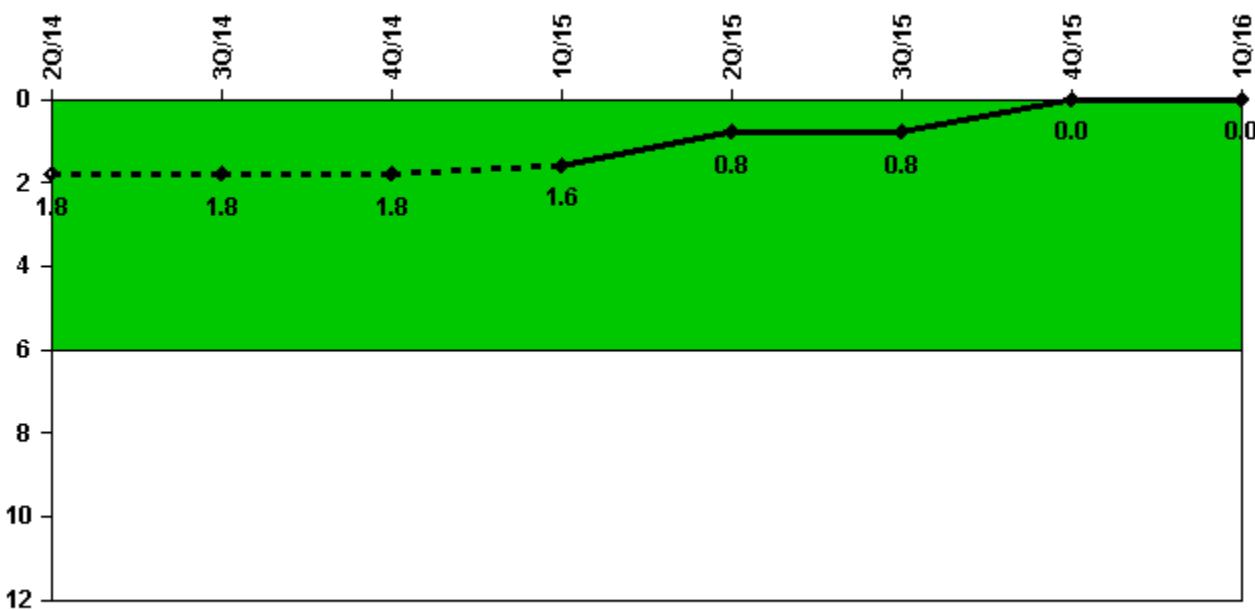
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



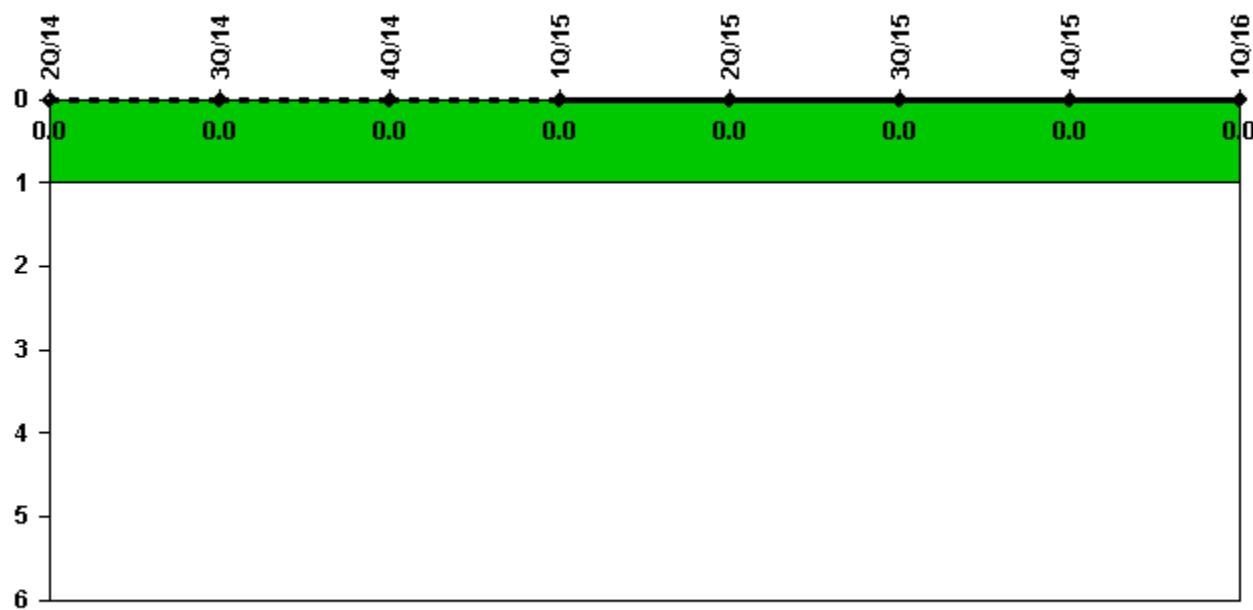
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	1.0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3
<b>Indicator value</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

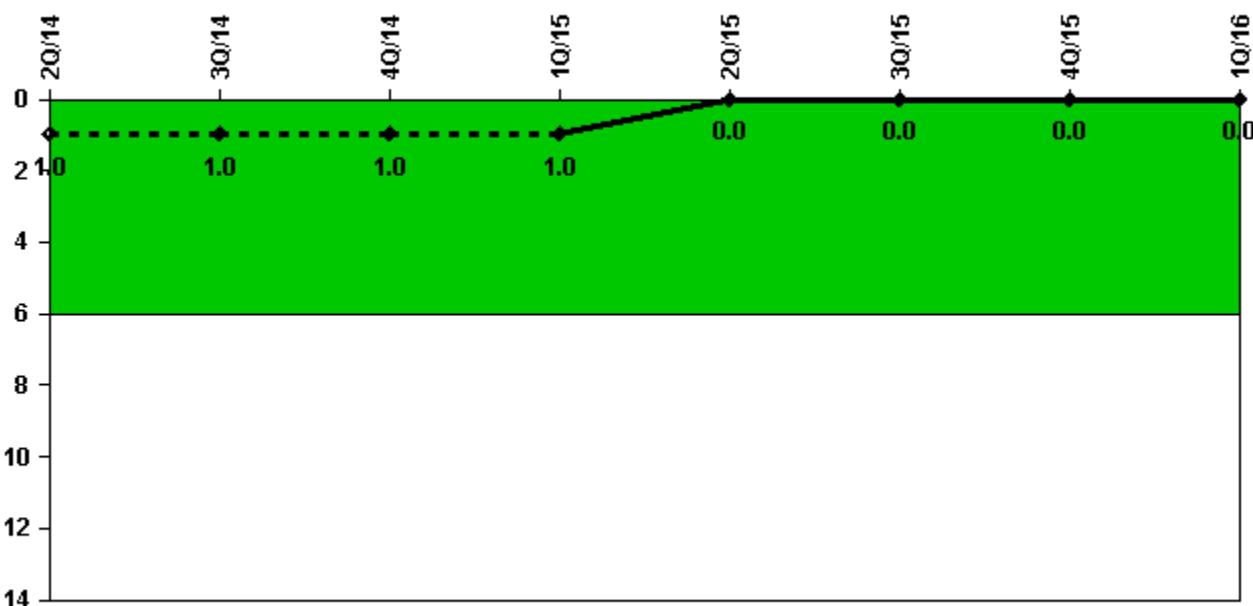
#### Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
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

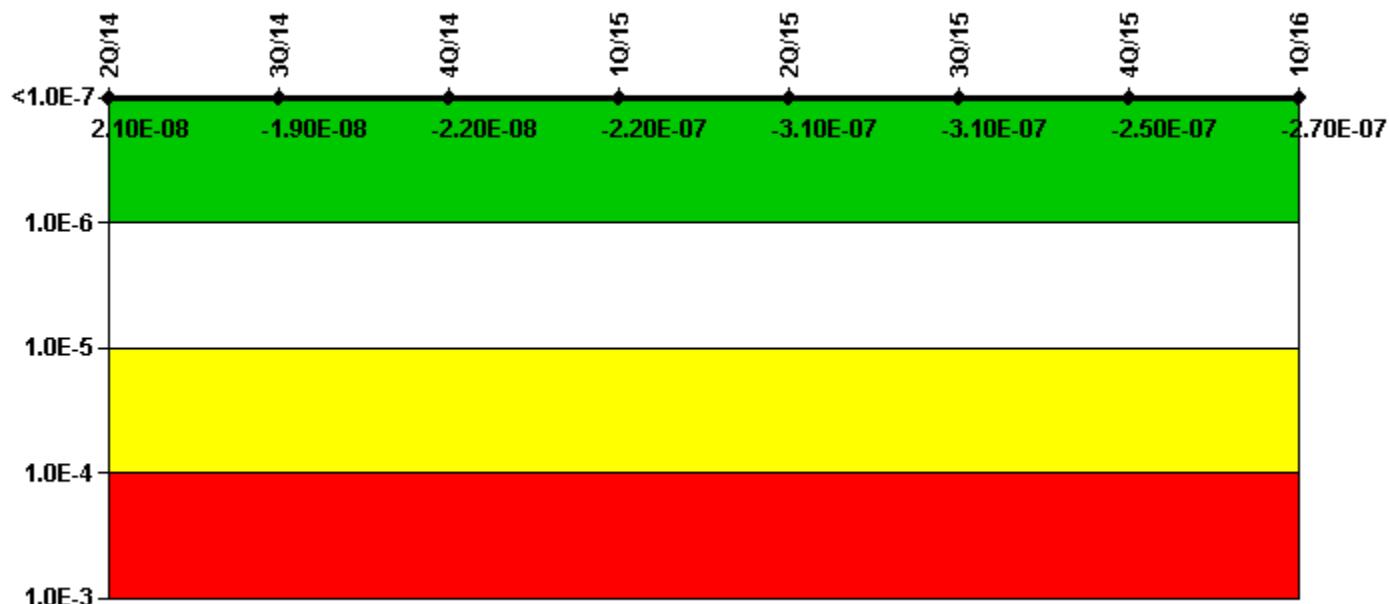
### Notes

<b>Safety System Functional Failures (BWR)</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>
Safety System Functional Failures	1	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

2Q/14: LER 2014-002, HPCI Steam Leak Results in Water in the Turbine Making HPCI Inoperable.

## Mitigating Systems Performance Index, Emergency AC Power System



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

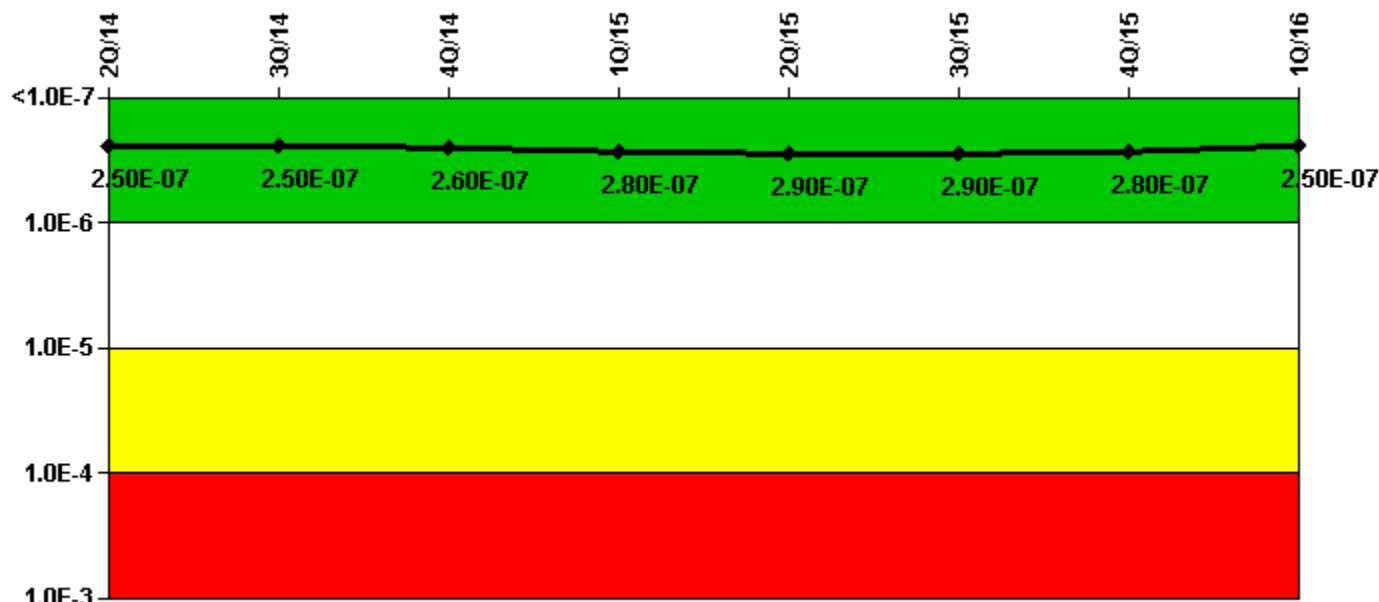
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.22E-07	7.52E-08	7.21E-08	8.51E-08	3.48E-09	1.26E-09	5.46E-08	5.05E-08
URI ( $\Delta$ CDF)	-1.01E-07	-9.38E-08	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.10E-08</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, High Pressure Injection System



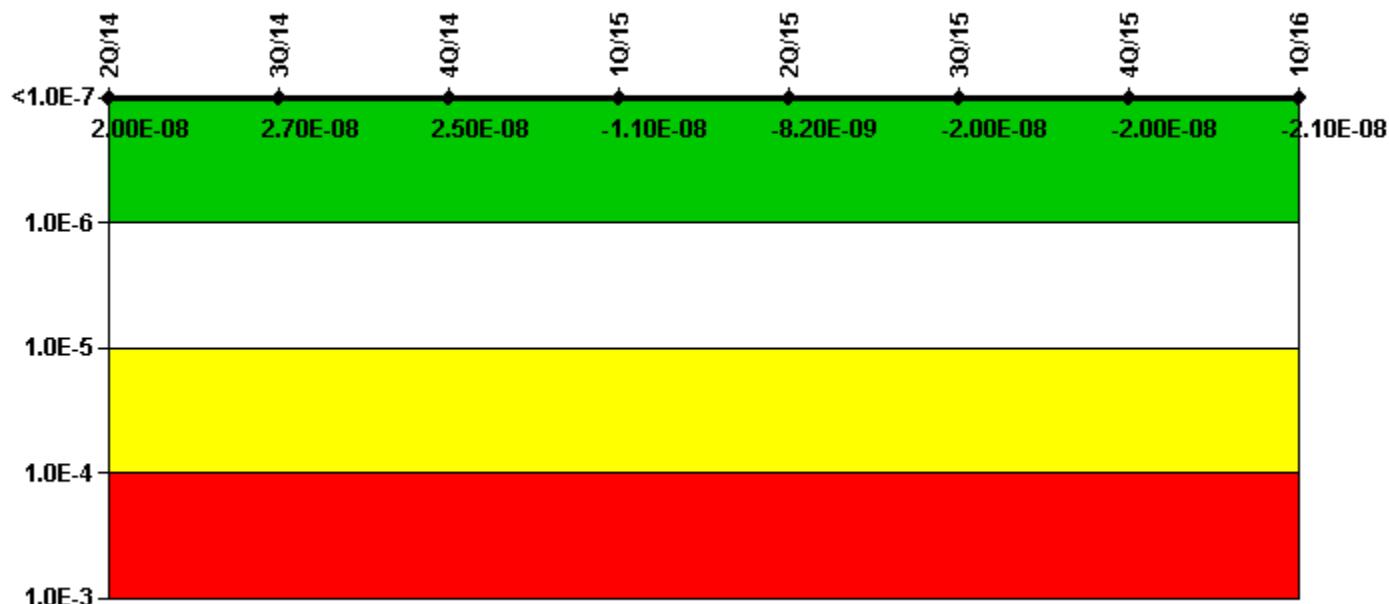
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	-7.44E-08	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	3.25E-07	3.25E-07	3.38E-07	3.52E-07	3.65E-07	3.65E-07	3.51E-07	3.25E-07
PLE	NO							
<b>Indicator value</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>	<b>2.50E-07</b>

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



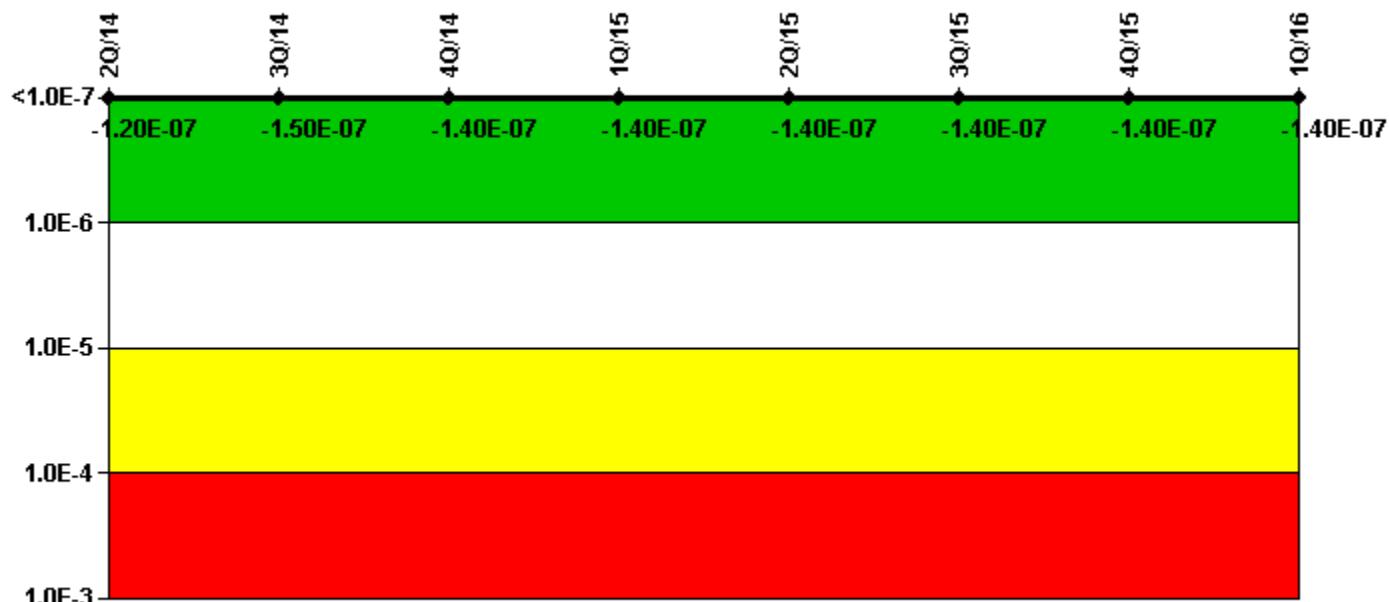
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	4.21E-09	1.21E-08	1.06E-08	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09	-7.00E-09
URI ( $\Delta$ CDF)	1.57E-08	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.00E-08	2.70E-08	2.50E-08	-1.10E-08	-8.20E-09	-2.00E-08	-2.00E-08	-2.10E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



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

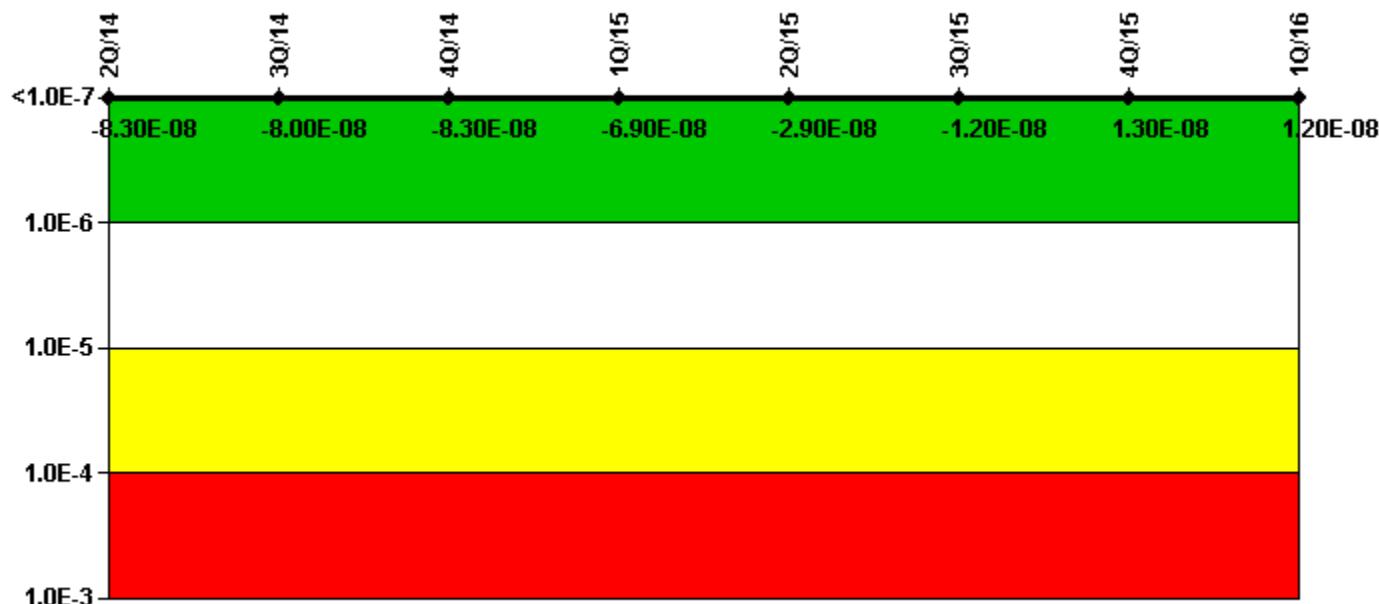
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.38E-08	-1.20E-08						
URI ( $\Delta$ CDF)	-1.34E-07	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07
PLE	NO							
Indicator value	<b>-1.20E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Cooling Water Systems



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

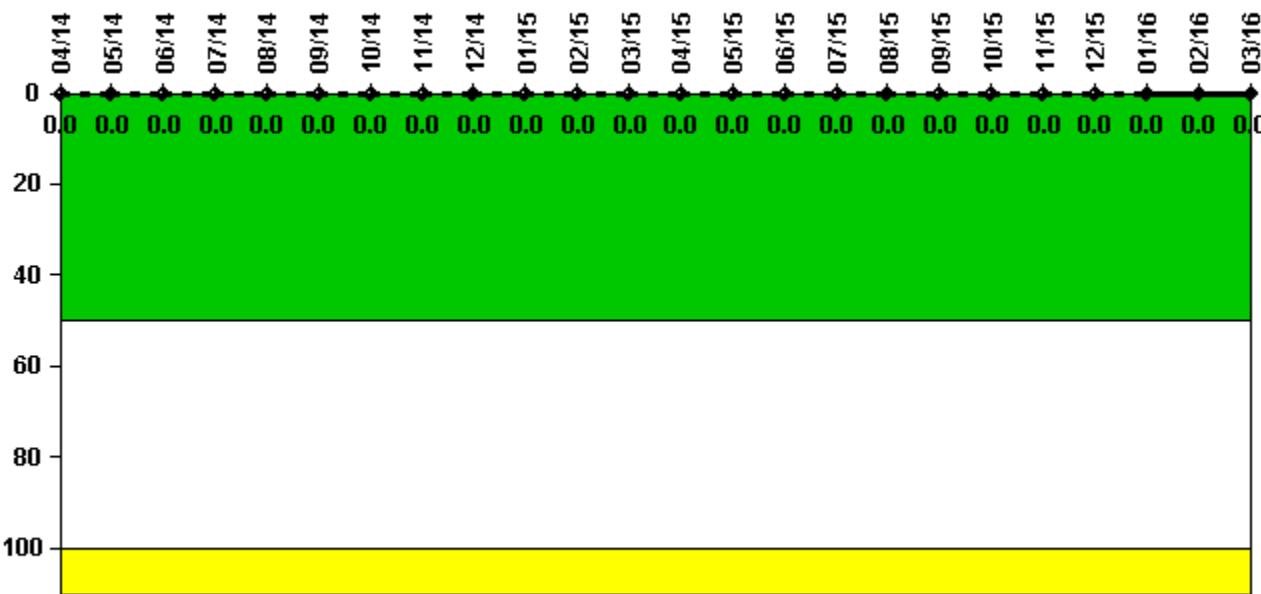
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.50E-10	4.48E-09	1.30E-09	1.23E-08	5.63E-08	7.27E-08	9.78E-08	9.93E-08
URI ( $\Delta$ CDF)	-8.28E-08	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-8.30E-08</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>	<b>1.20E-08</b>

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

## Reactor Coolant System Activity



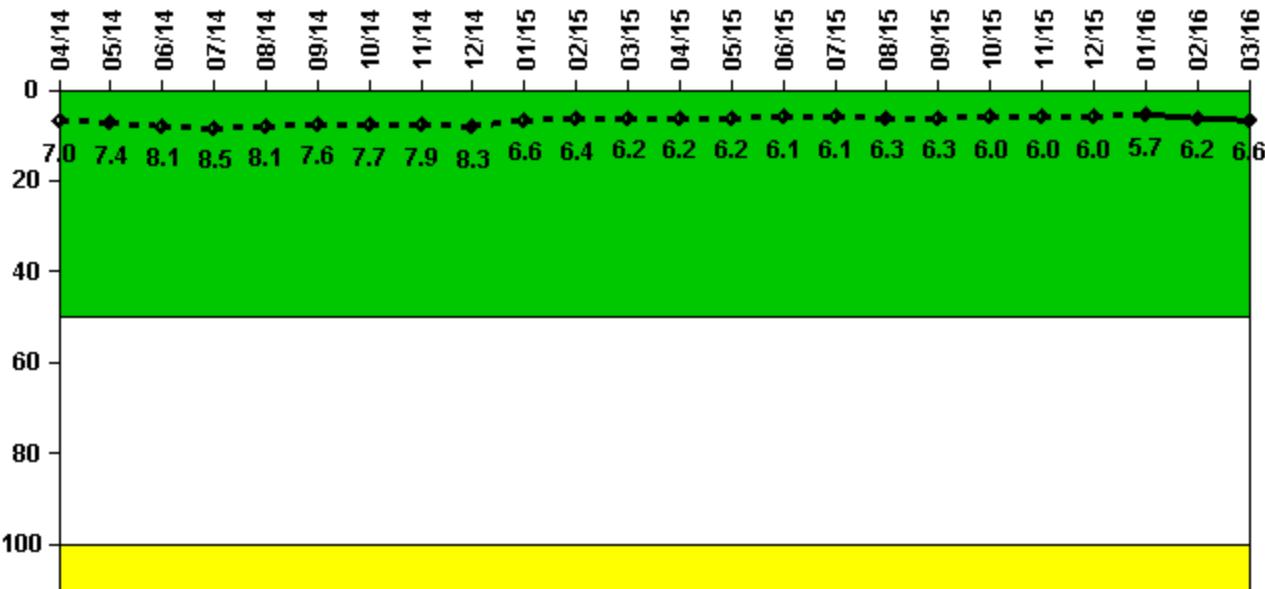
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000003	0.000002	0.000012	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007
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	0
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

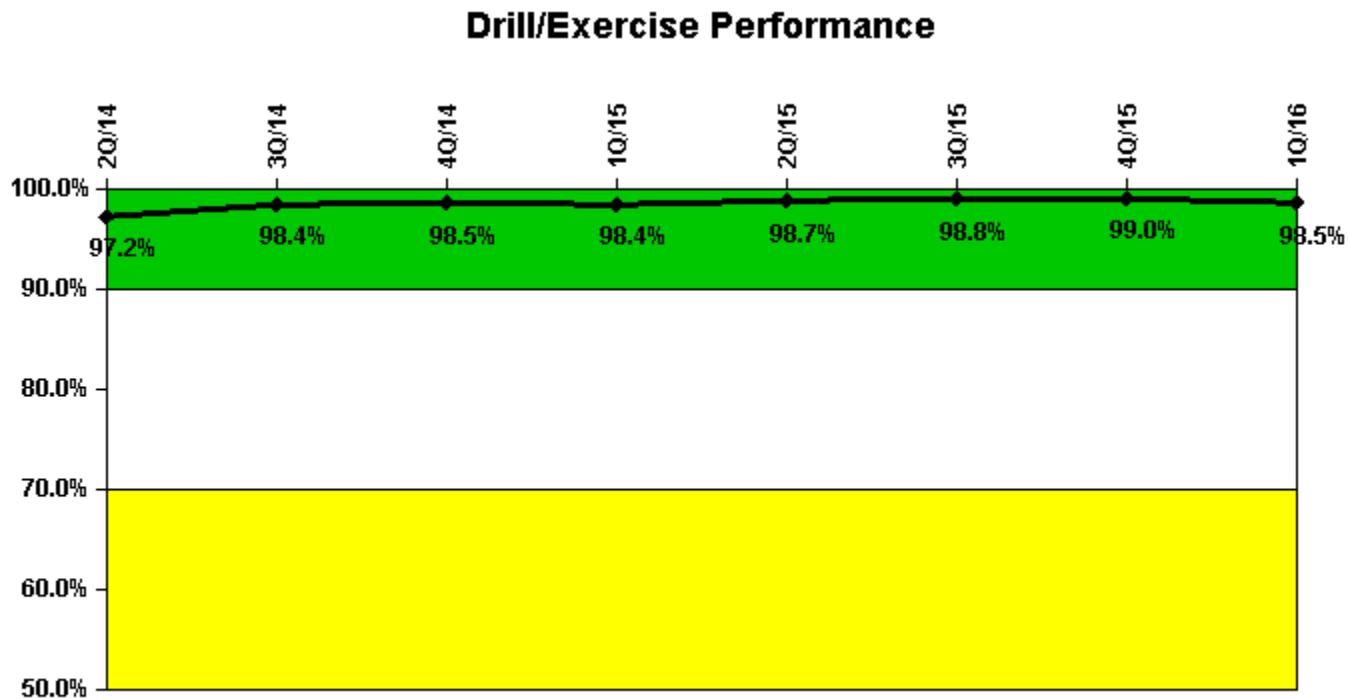
### Notes

Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	2.100	2.210	2.430	2.550	2.420	2.290	2.300	2.380	2.500	1.970	1.910	1.860
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
<b>Indicator value</b>	<b>7.0</b>	<b>7.4</b>	<b>8.1</b>	<b>8.5</b>	<b>8.1</b>	<b>7.6</b>	<b>7.7</b>	<b>7.9</b>	<b>8.3</b>	<b>6.6</b>	<b>6.4</b>	<b>6.2</b>

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	1.870	1.860	1.840	1.840	1.880	1.890	1.800	1.800	1.800	1.720	1.850	1.990
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
<b>Indicator value</b>	<b>6.2</b>	<b>6.2</b>	<b>6.1</b>	<b>6.1</b>	<b>6.3</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>5.7</b>	<b>6.2</b>	<b>6.6</b>

Licensee Comments: none



Thresholds: White < 90.0% Yellow < 70.0%

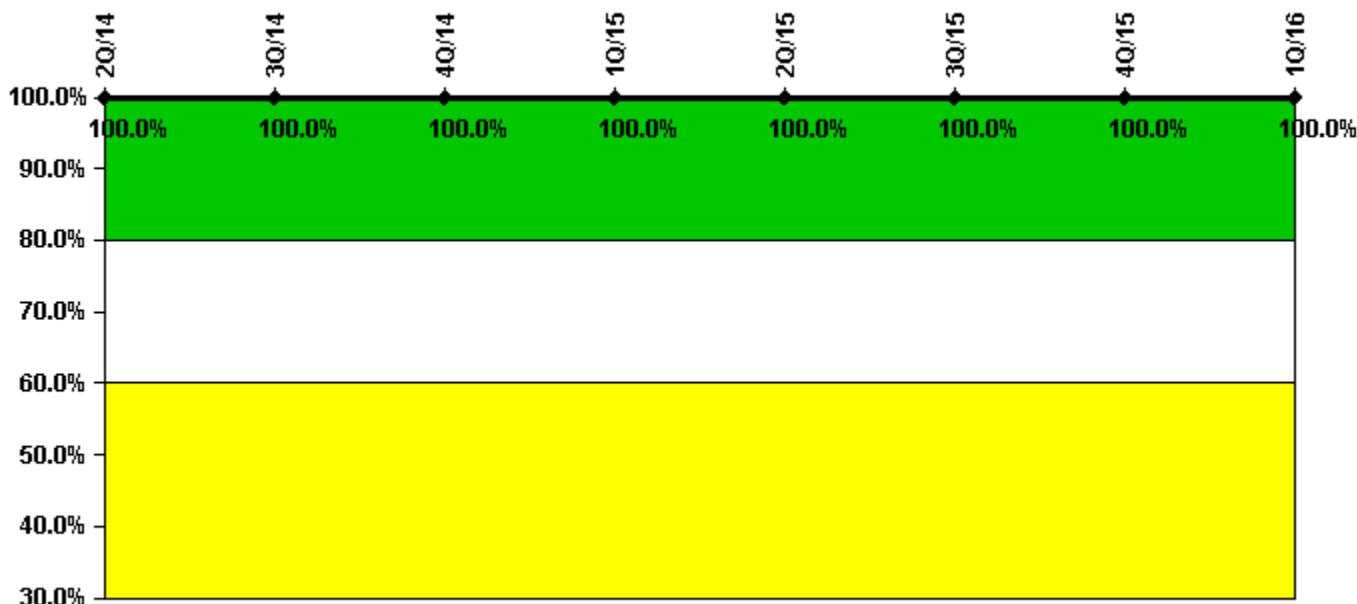
### Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	64.0	78.0	50.0	26.0	53.0	58.0	41.0	22.0
Total opportunities	65.0	78.0	50.0	26.0	55.0	58.0	42.0	24.0
<b>Indicator value</b>	<b>97.2%</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>98.5%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

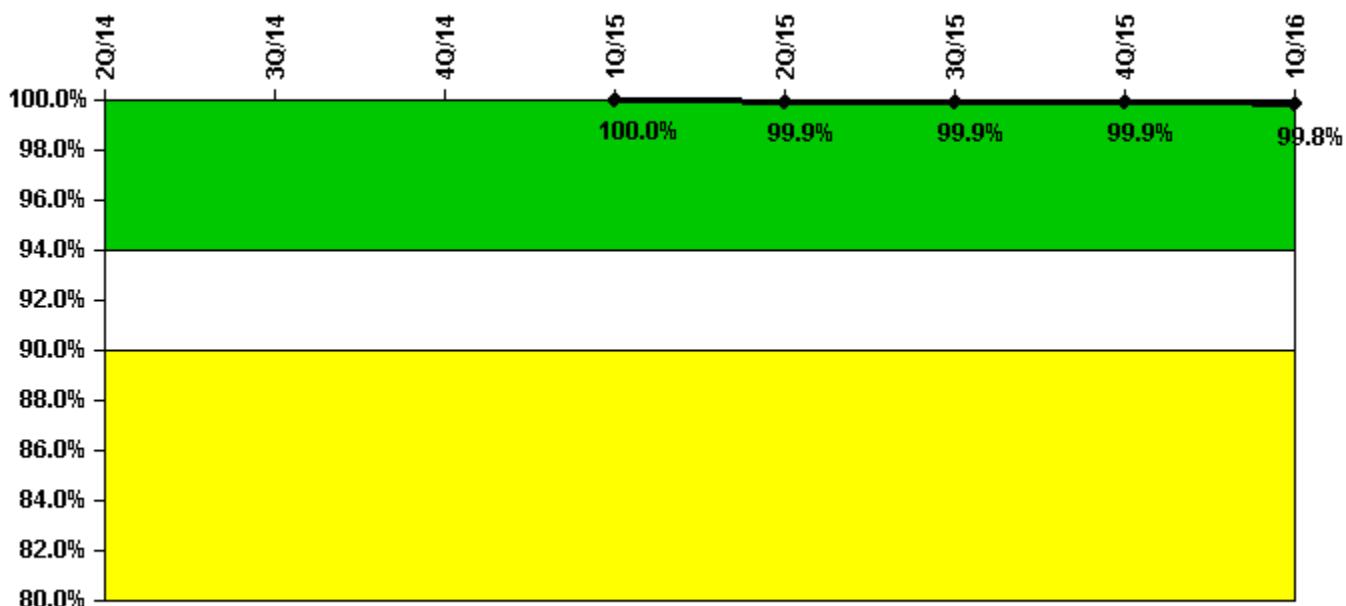
<b>ERO Drill Participation</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>
Participating Key personnel	106.0	109.0	112.0	109.0	107.0	101.0	105.0	99.0
Total Key personnel	106.0	109.0	112.0	109.0	107.0	101.0	105.0	99.0
<b>Indicator value</b>	<b>100.0%</b>							

#### Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



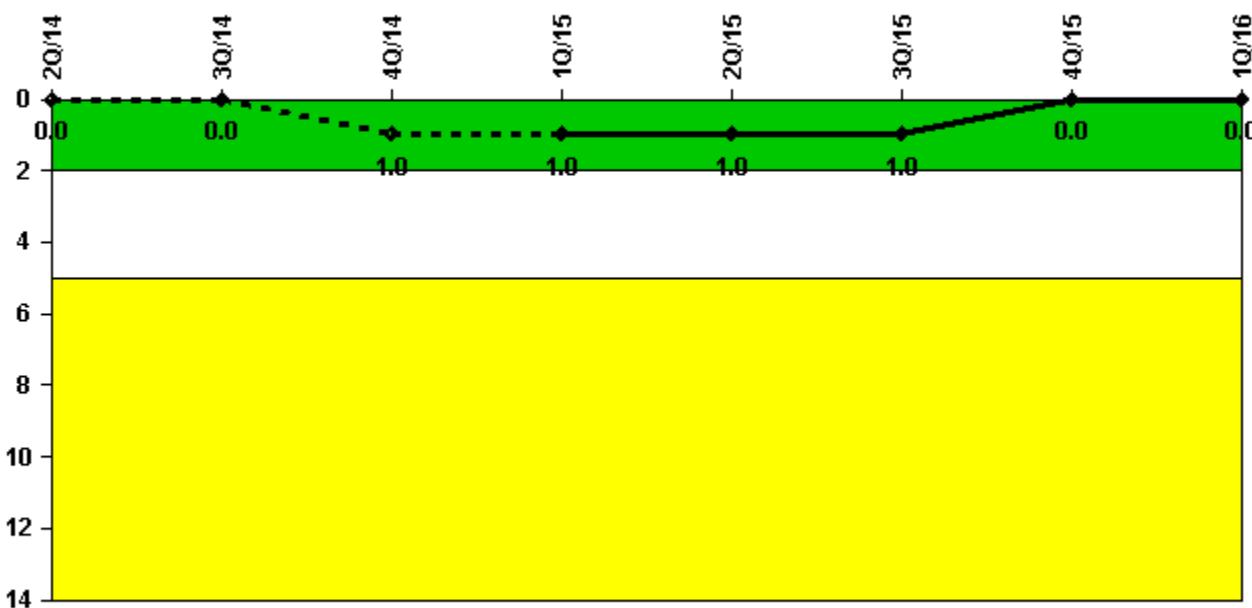
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	1040	1117	1120	960	1039	1117	1039	1038
Total sirens-tests	1040	1119	1120	960	1040	1120	1040	1040
<b>Indicator value</b>				<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>

Licensee Comments: none

### Occupational Exposure Control Effectiveness



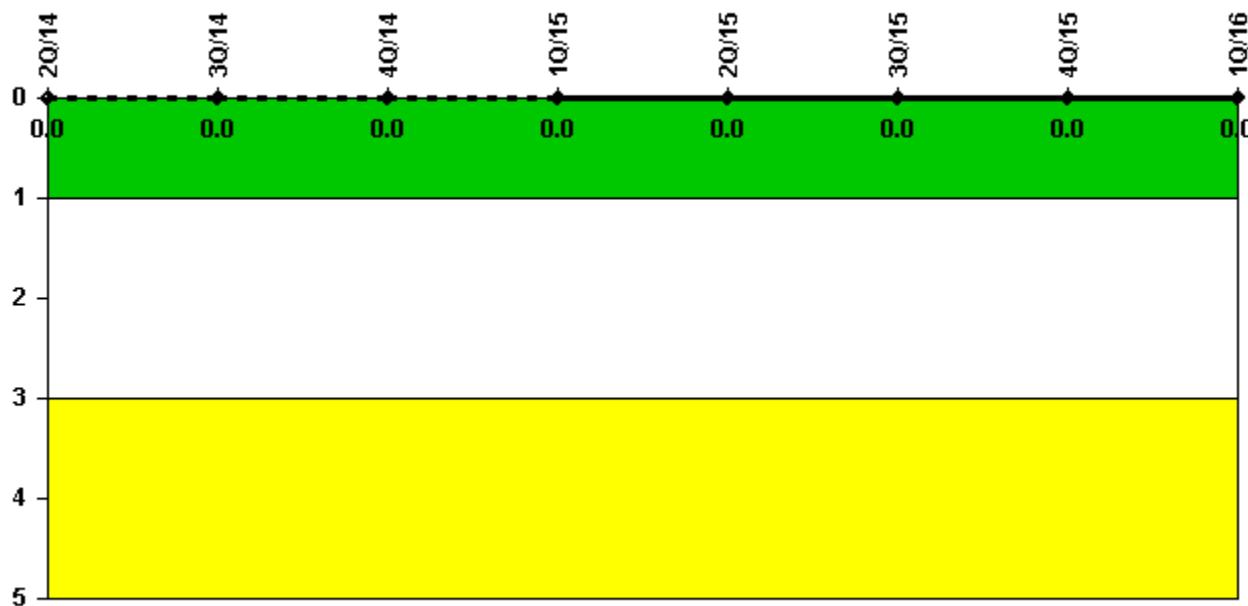
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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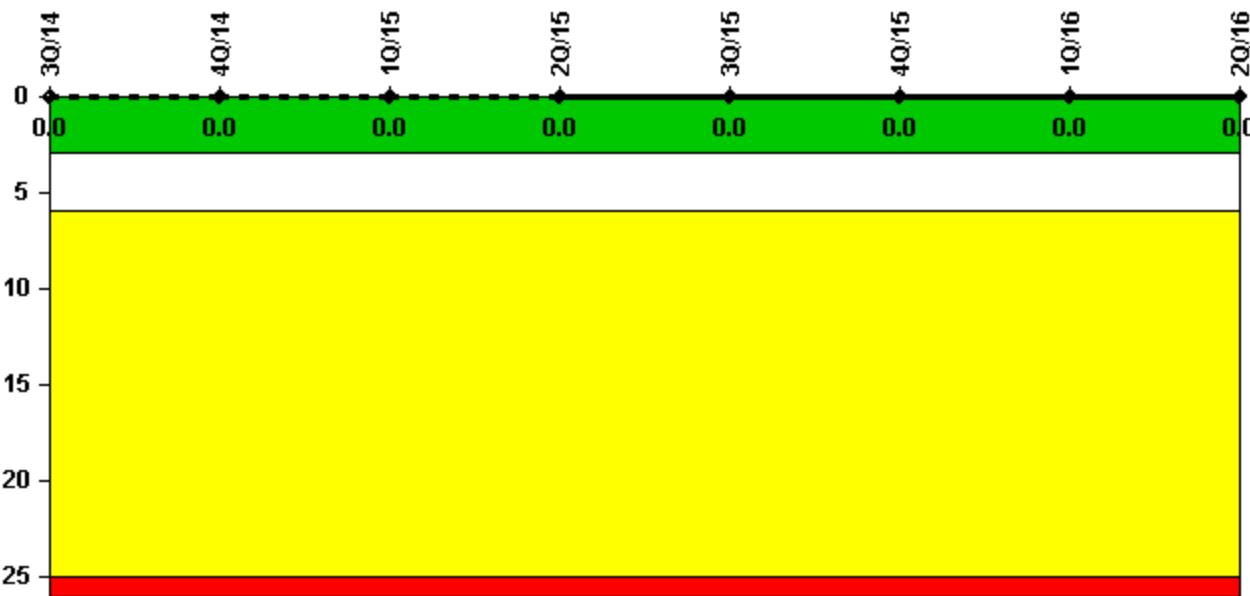
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2016*

**Hatch 1****2Q/2016 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

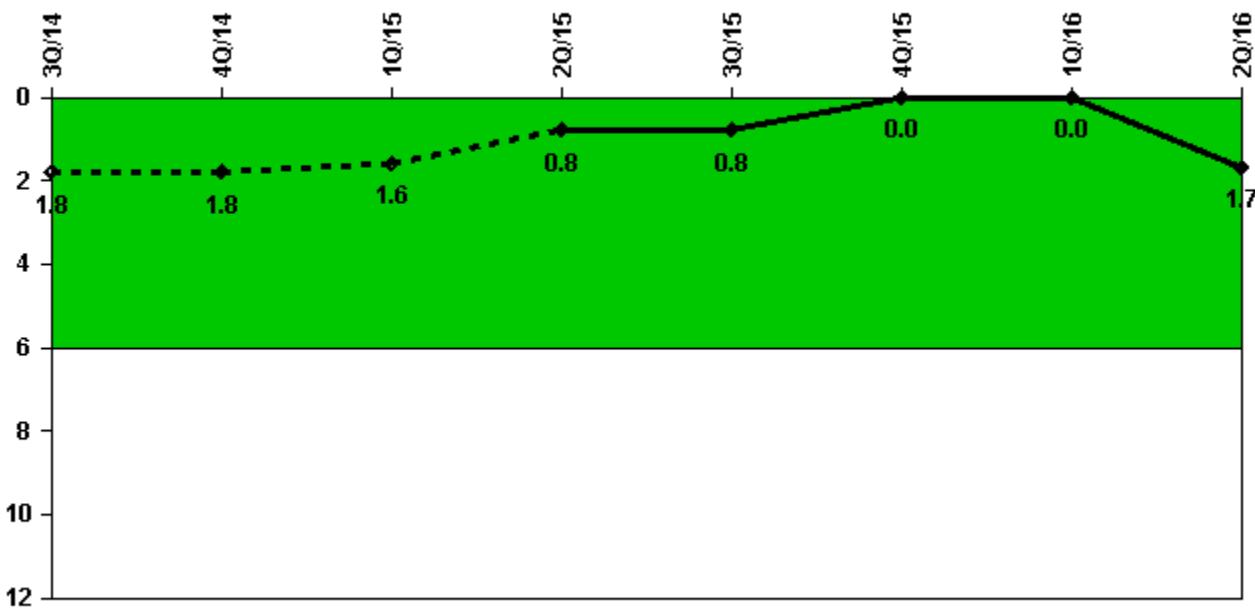
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



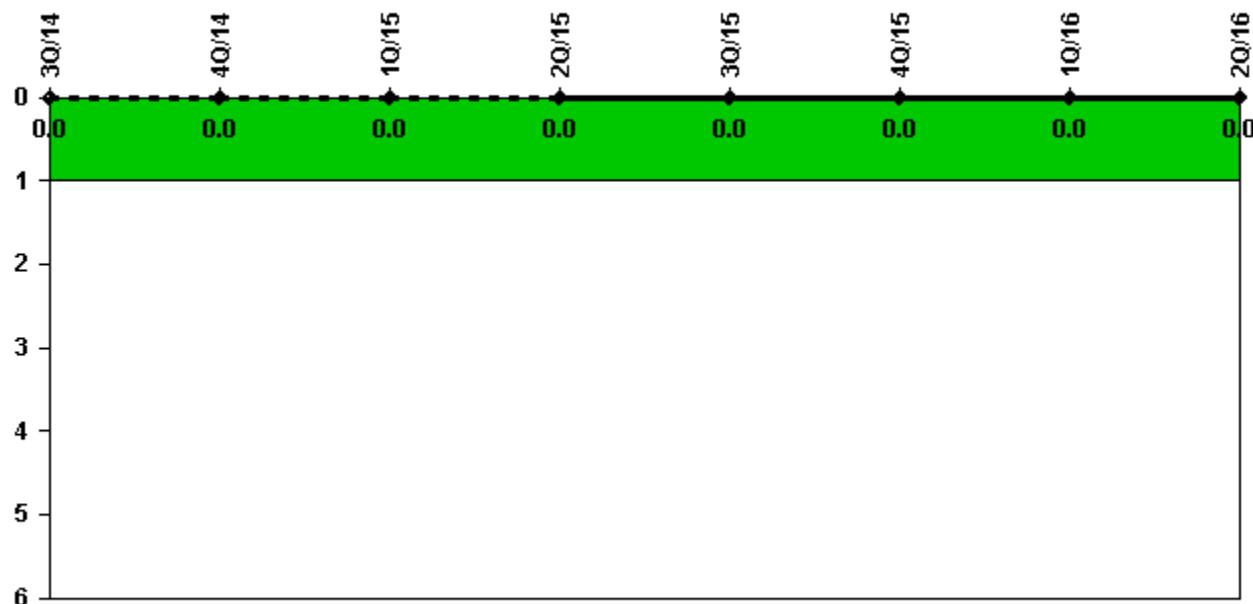
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	1.0	0	0	0	0	0	2.0
Critical hours	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6
<b>Indicator value</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>1.7</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

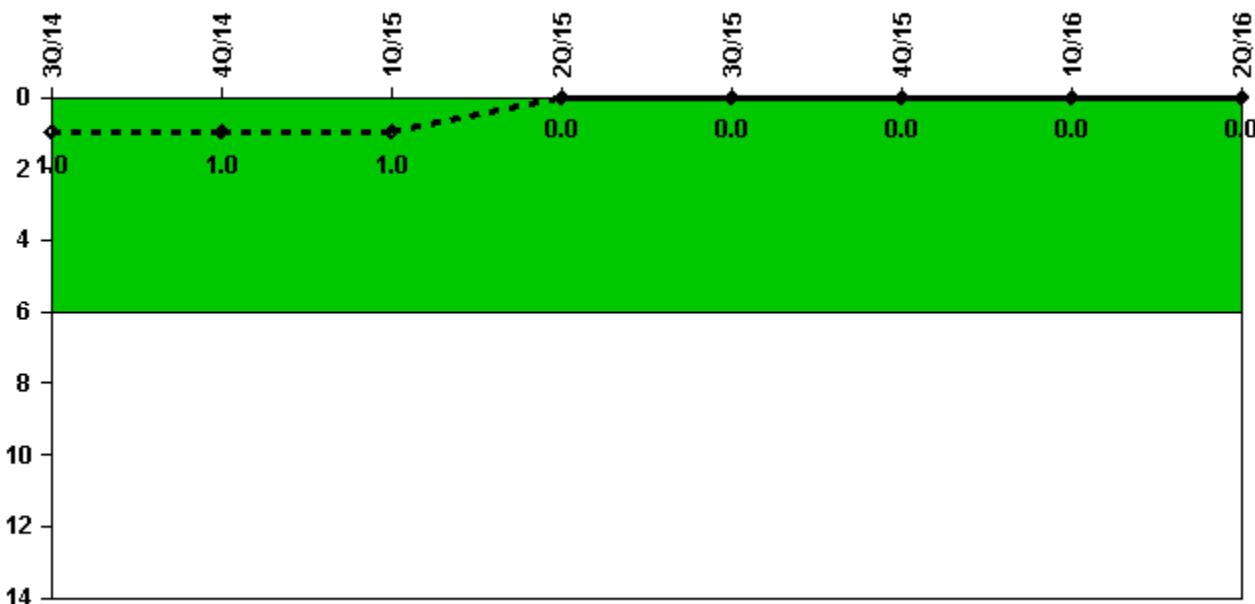
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

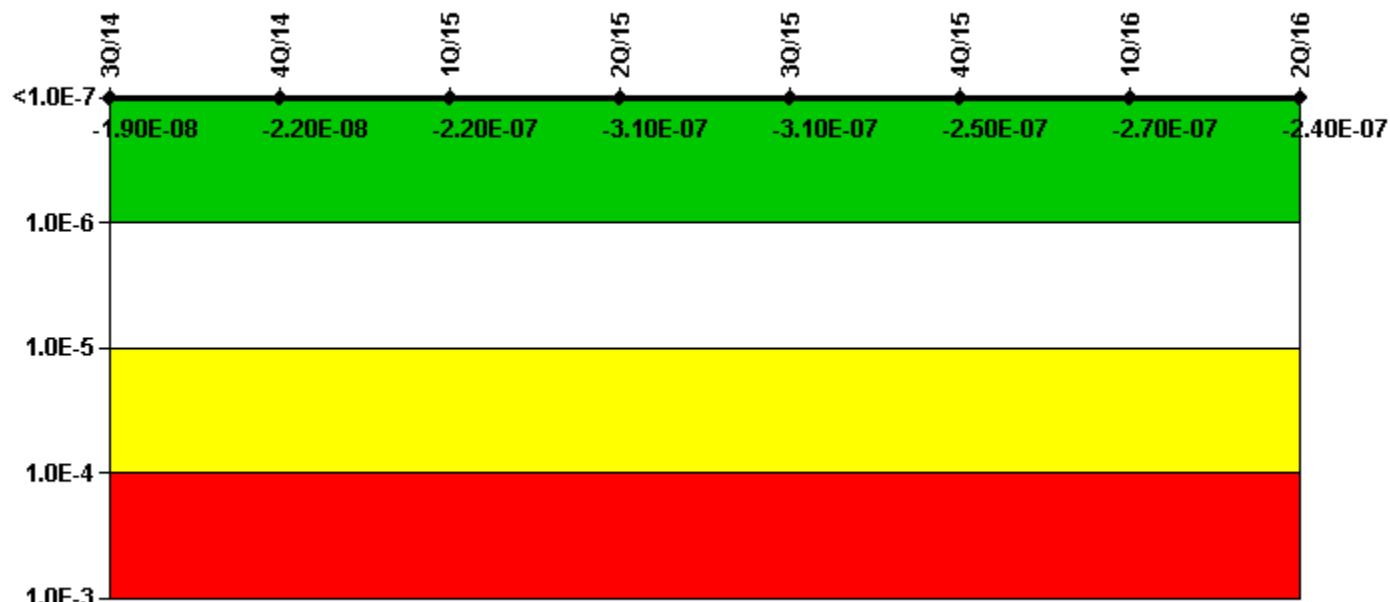
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



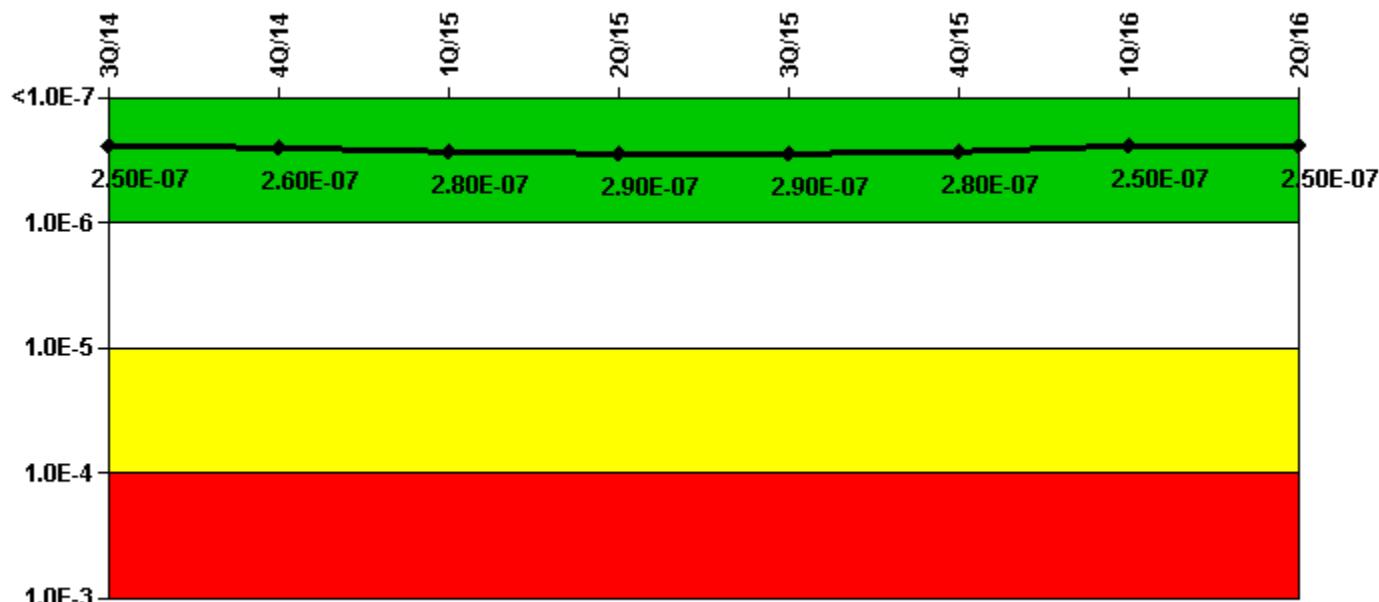
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	7.52E-08	7.21E-08	8.51E-08	3.48E-09	1.26E-09	5.46E-08	5.05E-08	7.56E-08
URI ( $\Delta$ CDF)	-9.38E-08	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.90E-08</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>-2.40E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



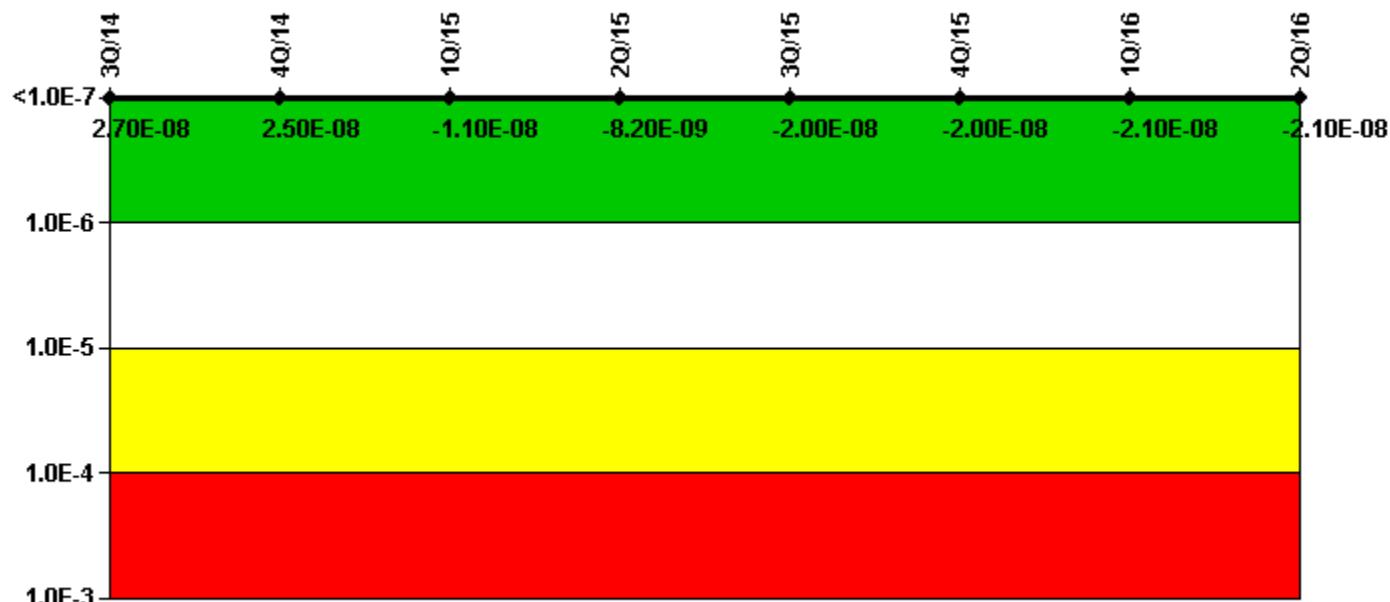
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	3.25E-07	3.38E-07	3.52E-07	3.65E-07	3.65E-07	3.51E-07	3.25E-07	3.25E-07
PLE	NO							
<b>Indicator value</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



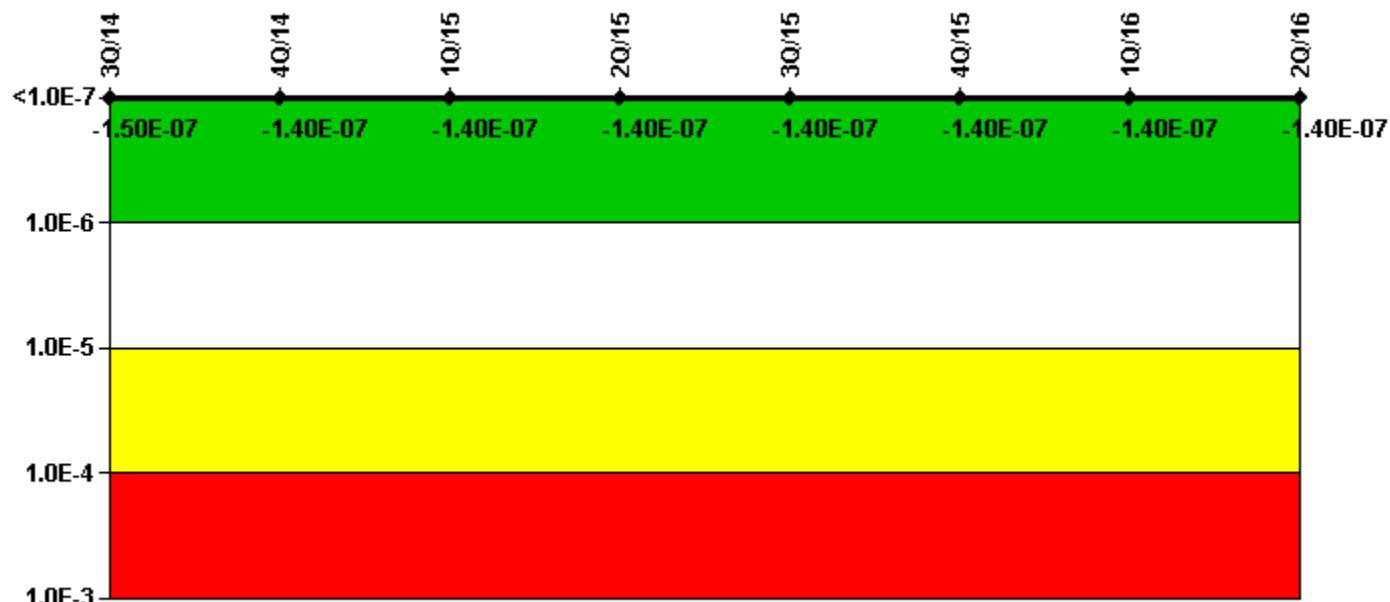
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	1.21E-08	1.06E-08	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09	-7.00E-09	-7.00E-09
URI ( $\Delta$ CDF)	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.70E-08	2.50E-08	-1.10E-08	-8.20E-09	-2.00E-08	-2.00E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



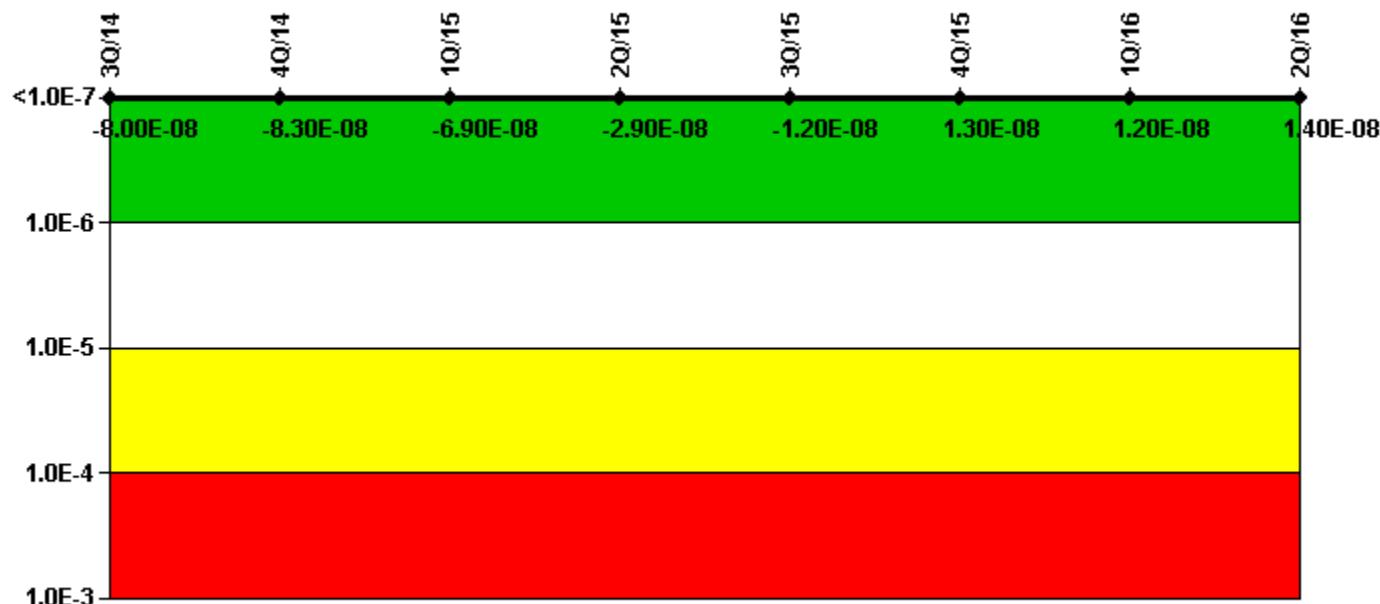
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	-1.20E-08							
URI ( $\Delta$ CDF)	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>						

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



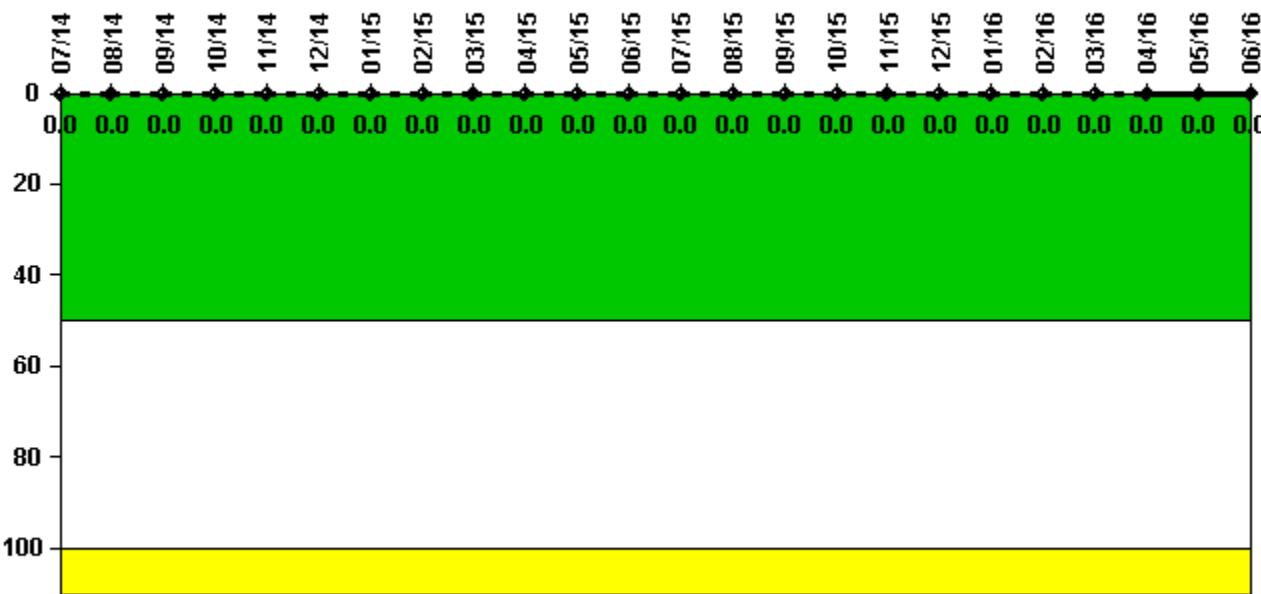
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	4.48E-09	1.30E-09	1.23E-08	5.63E-08	7.27E-08	9.78E-08	9.93E-08	1.01E-07
URI ( $\Delta$ CDF)	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-8.00E-08</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>	<b>1.20E-08</b>	<b>1.40E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



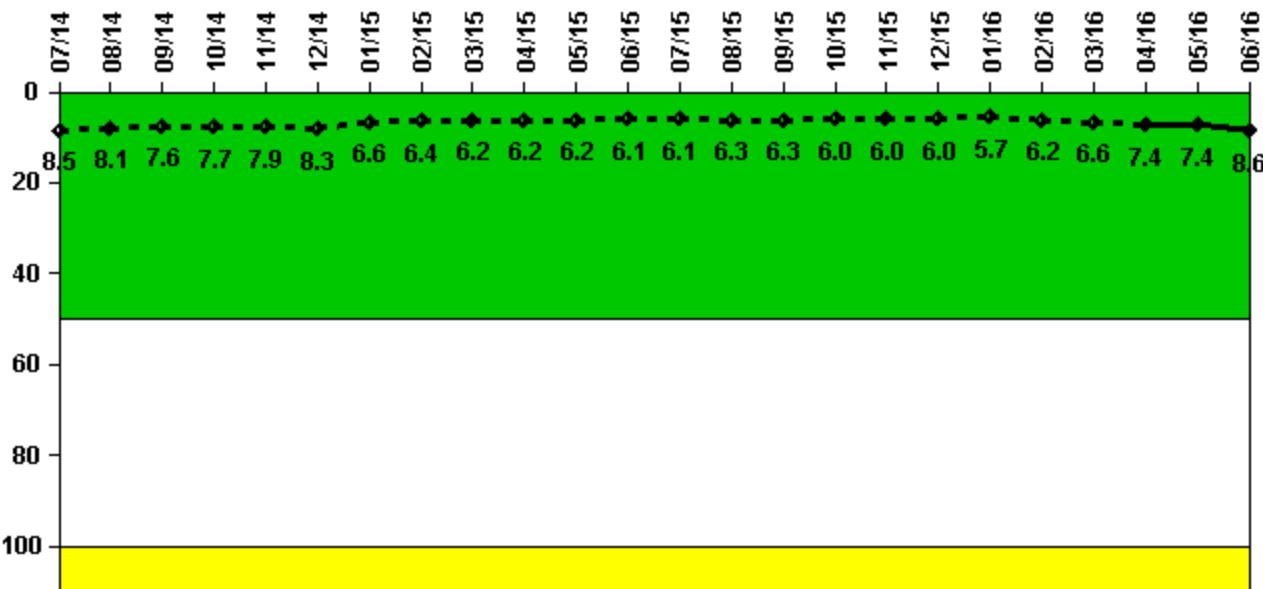
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004
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	0
Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



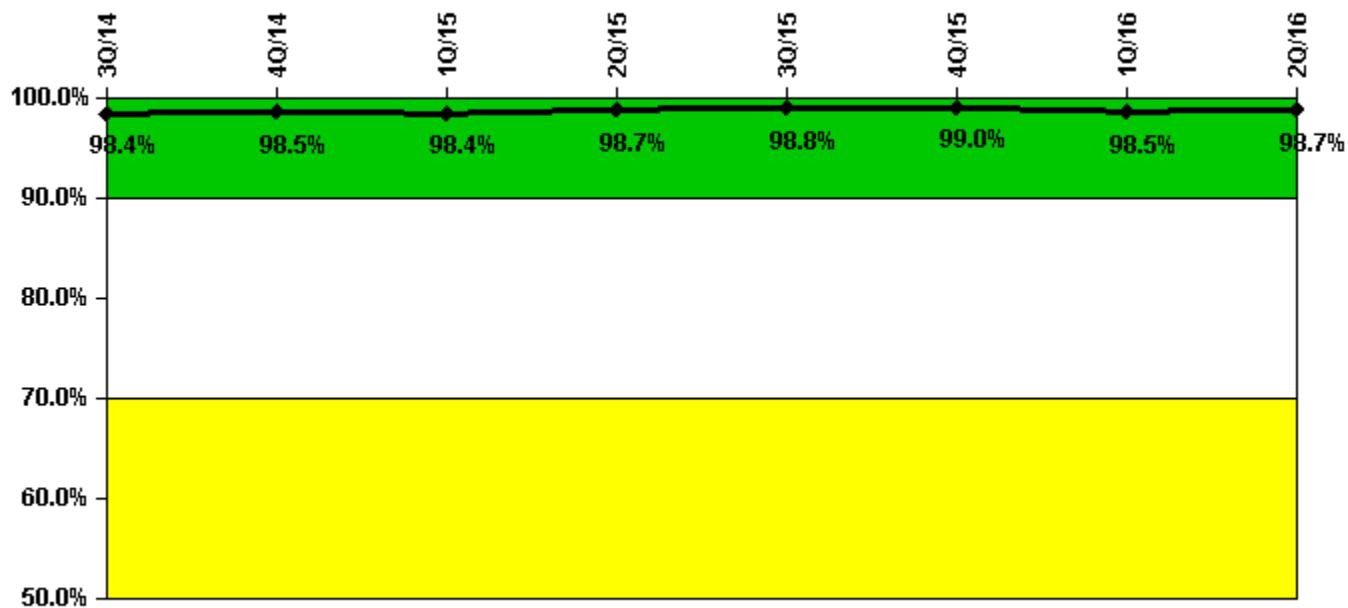
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	2.550	2.420	2.290	2.300	2.380	2.500	1.970	1.910	1.860	1.870	1.860	1.840
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	<b>8.5</b>	<b>8.1</b>	<b>7.6</b>	<b>7.7</b>	<b>7.9</b>	<b>8.3</b>	<b>6.6</b>	<b>6.4</b>	<b>6.2</b>	<b>6.2</b>	<b>6.2</b>	<b>6.1</b>
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	1.840	1.880	1.890	1.800	1.800	1.800	1.720	1.850	1.990	2.220	2.230	2.580
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	<b>6.1</b>	<b>6.3</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>5.7</b>	<b>6.2</b>	<b>6.6</b>	<b>7.4</b>	<b>7.4</b>	<b>8.6</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

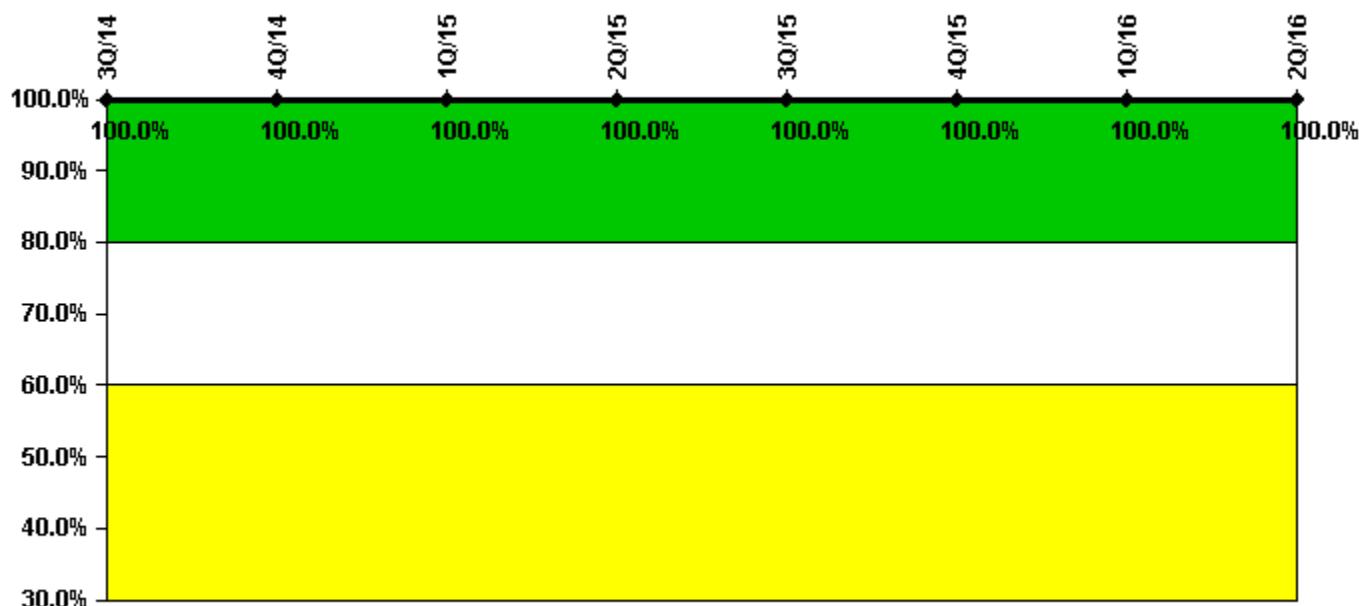
#### Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	78.0	50.0	26.0	53.0	58.0	41.0	22.0	55.0
Total opportunities	78.0	50.0	26.0	55.0	58.0	42.0	24.0	55.0
<b>Indicator value</b>	<b>98.4%</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>98.5%</b>	<b>98.7%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

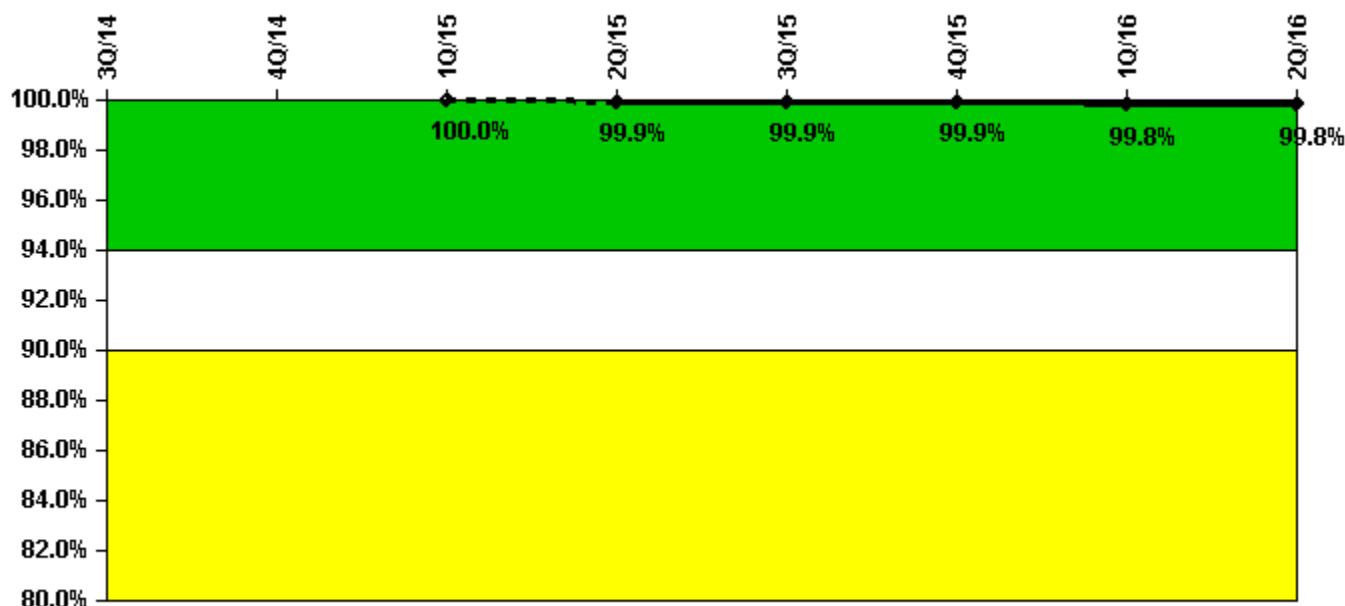
<b>ERO Drill Participation</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>
Participating Key personnel	109.0	112.0	109.0	107.0	101.0	105.0	99.0	85.0
Total Key personnel	109.0	112.0	109.0	107.0	101.0	105.0	99.0	85.0
<b>Indicator value</b>	<b>100.0%</b>							

#### Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

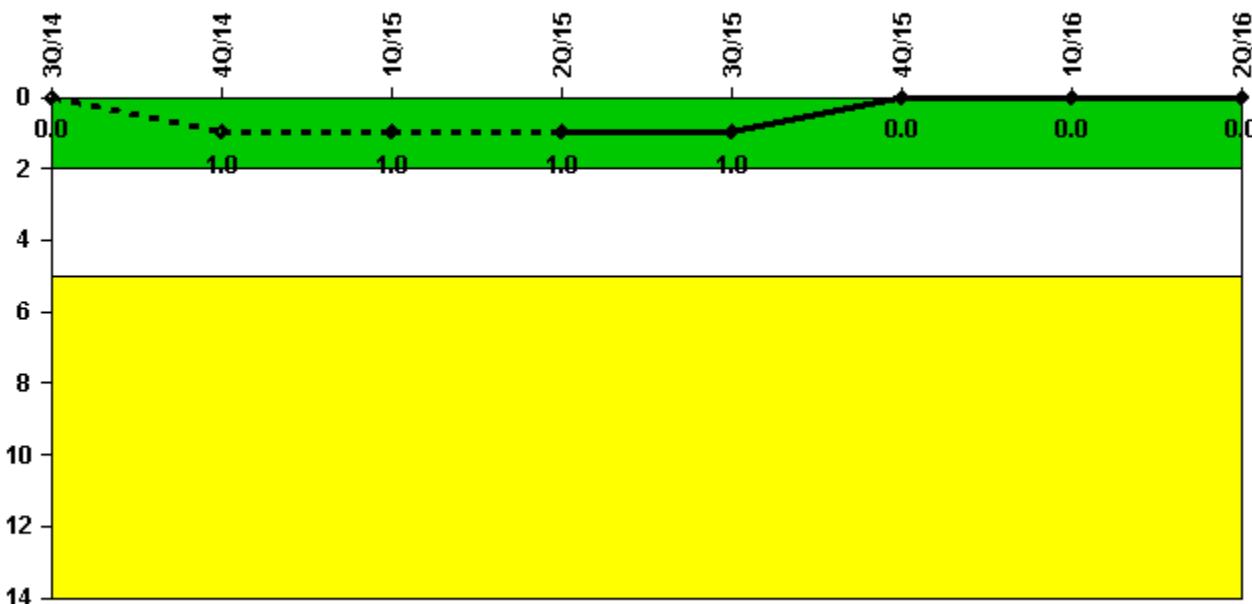
### Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1117	1120	960	1039	1117	1039	1038	1036
Total sirens-tests	1119	1120	960	1040	1120	1040	1040	1040
<b>Indicator value</b>			<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.8%</b>

Licensee Comments: none

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### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

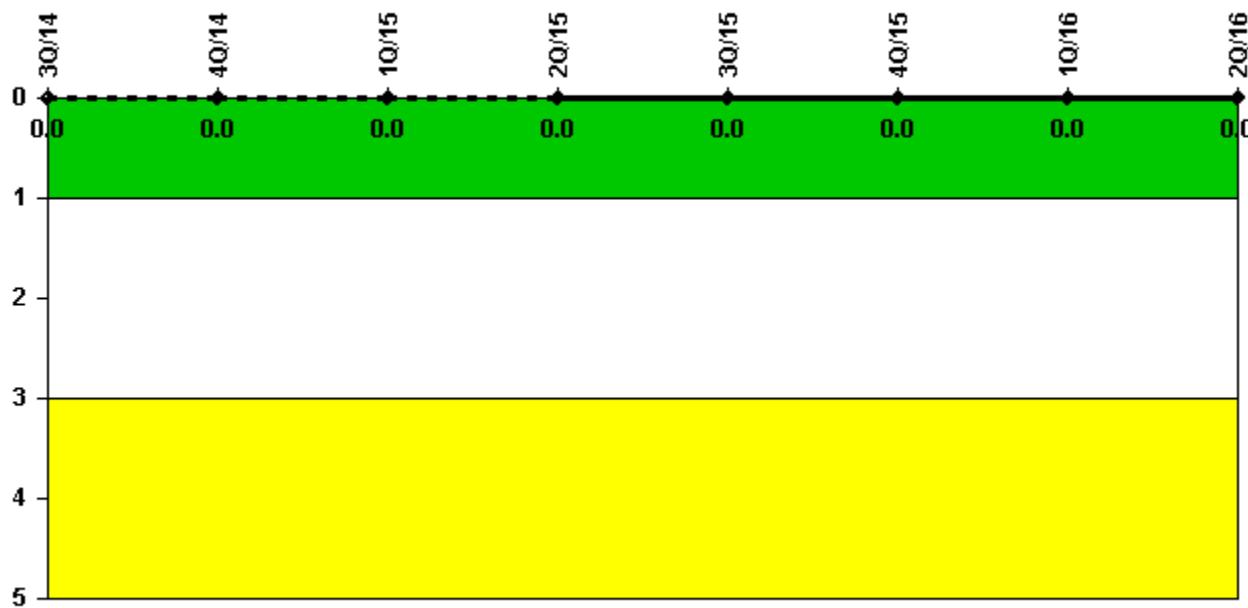
#### Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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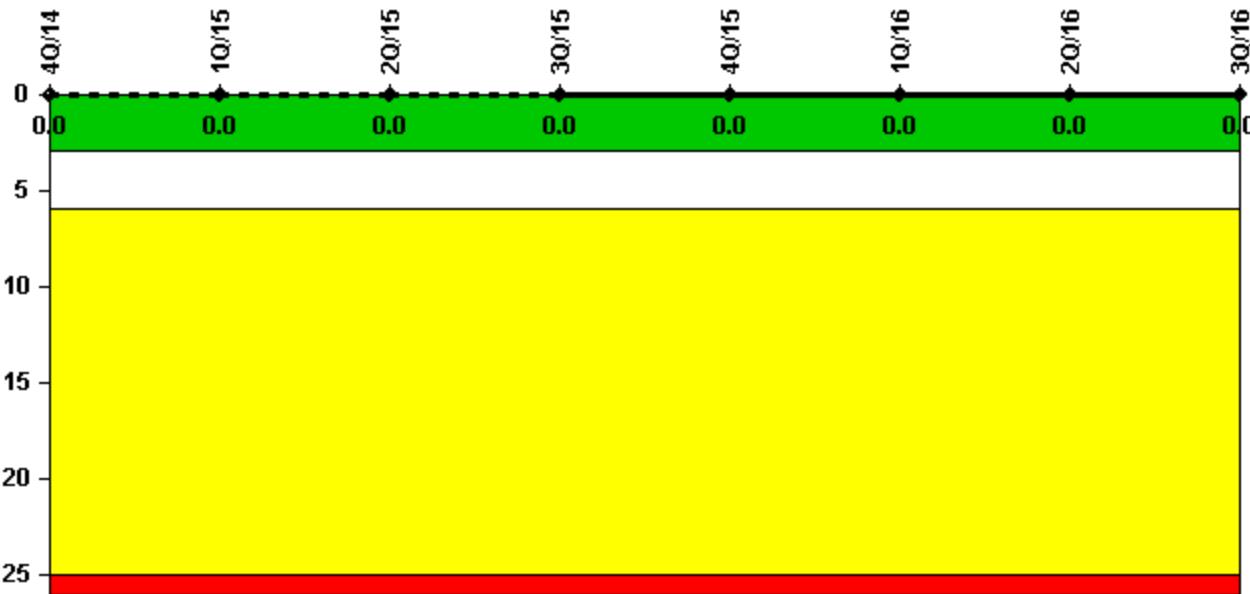
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: July 25, 2016*

**Hatch 1****3Q/2016 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

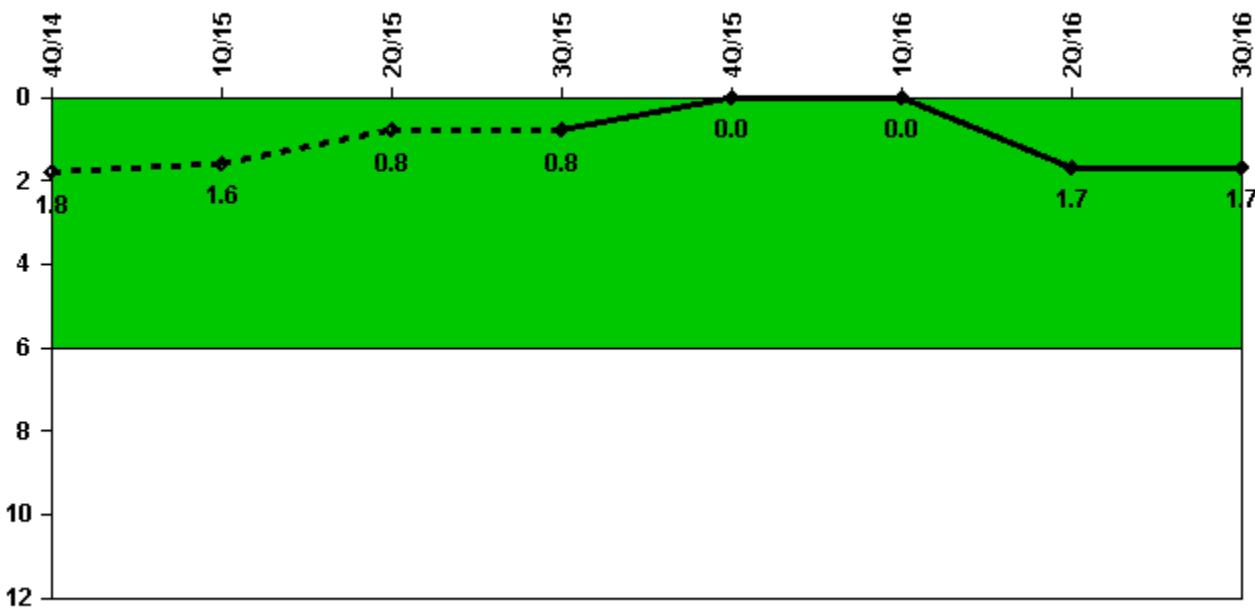
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



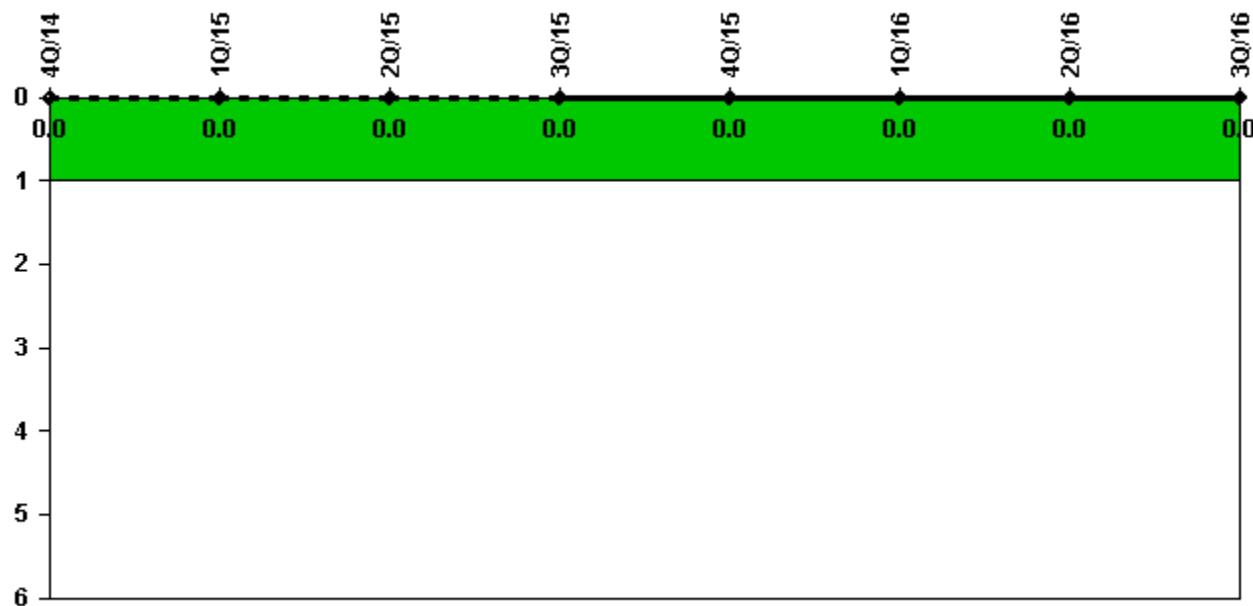
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	1.0	0	0	0	0	0	2.0	0
Critical hours	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0
<b>Indicator value</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>1.7</b>	<b>1.7</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

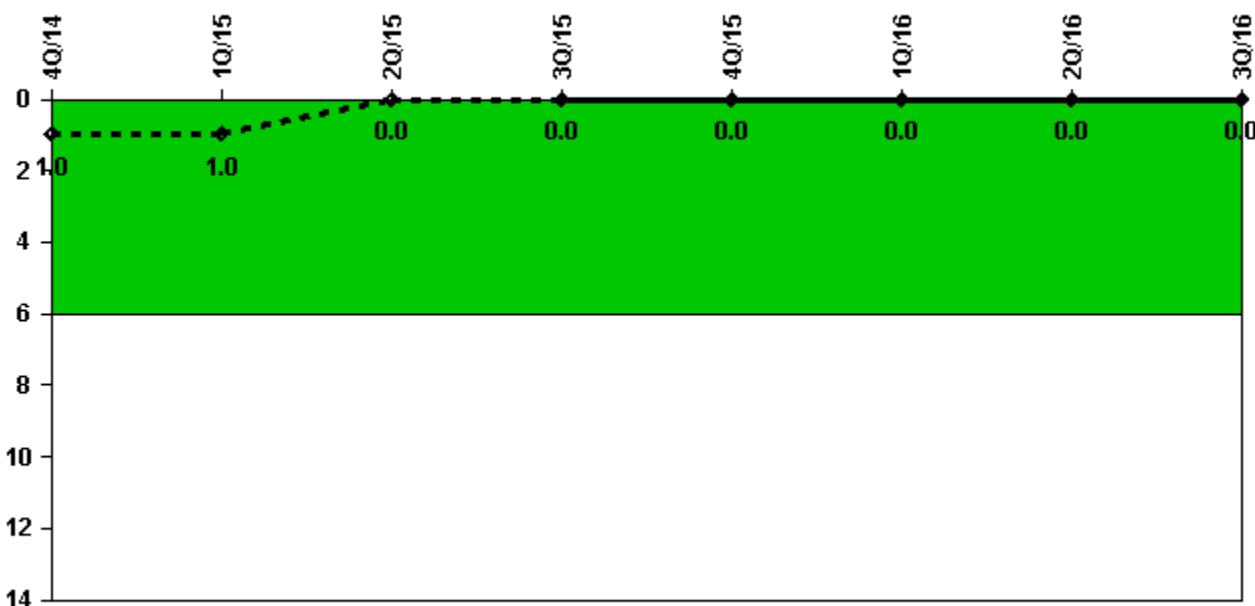
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

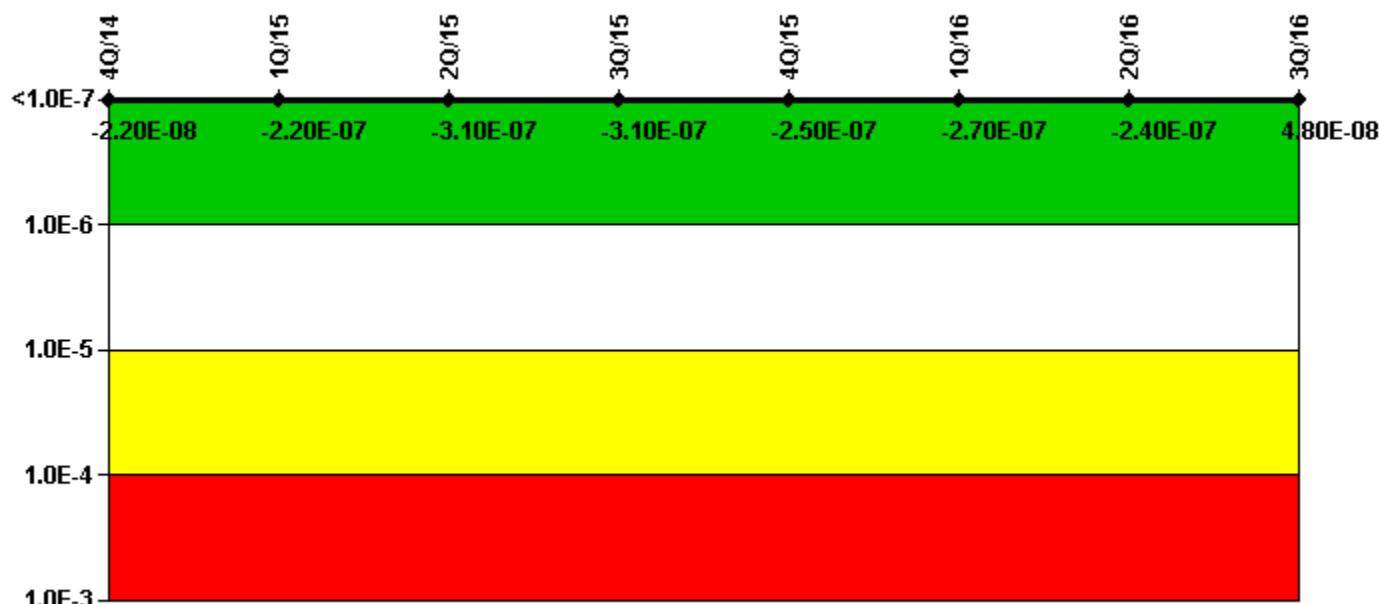
#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</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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## Mitigating Systems Performance Index, Emergency AC Power System



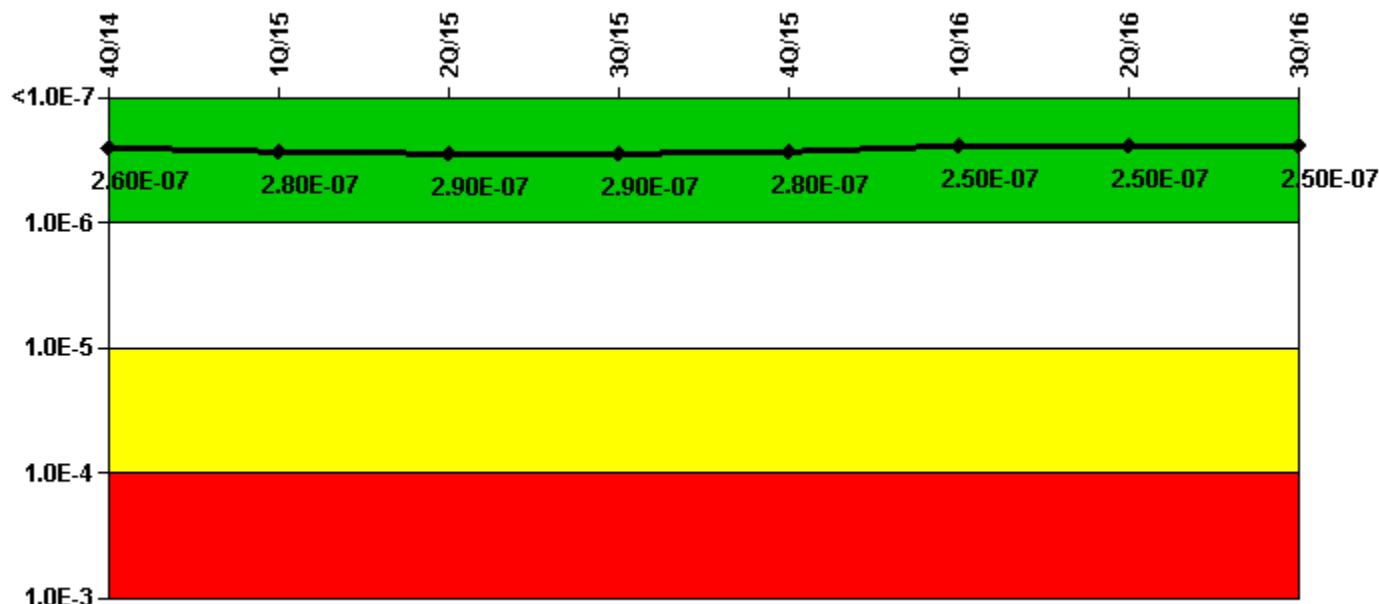
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	7.21E-08	8.51E-08	3.48E-09	1.26E-09	5.46E-08	5.05E-08	7.56E-08	1.05E-07
URI ( $\Delta$ CDF)	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07	-5.72E-08
PLE	NO	NO						
<b>Indicator value</b>	<b>-2.20E-08</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>-2.40E-07</b>	<b>4.80E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



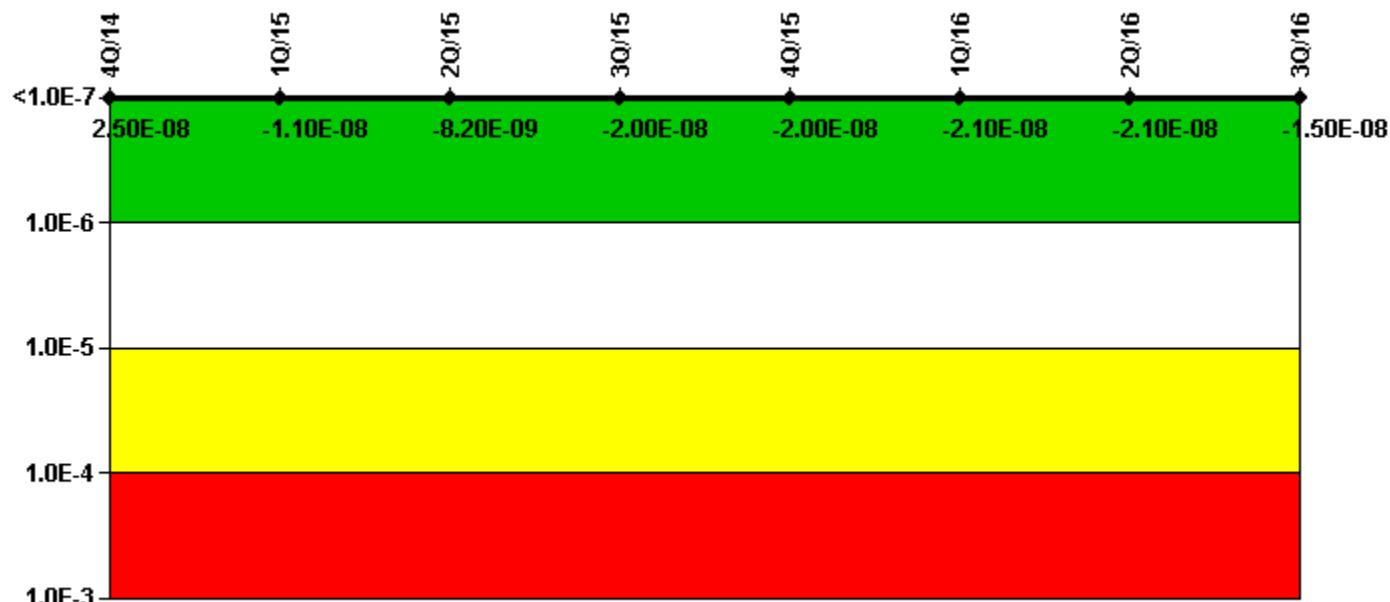
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-7.44E-08	-7.45E-08						
URI ( $\Delta$ CDF)	3.38E-07	3.52E-07	3.65E-07	3.65E-07	3.51E-07	3.25E-07	3.25E-07	3.25E-07
PLE	NO							
<b>Indicator value</b>	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



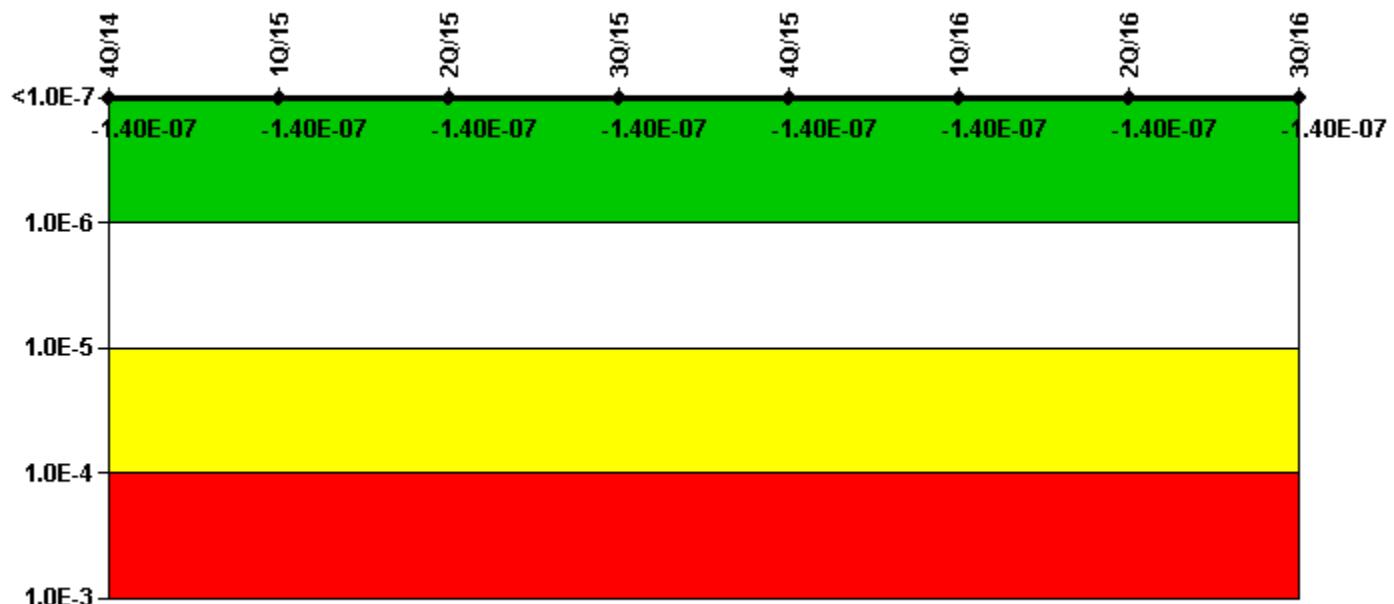
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	1.06E-08	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09	-7.00E-09	-7.00E-09	6.28E-11
URI ( $\Delta$ CDF)	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>2.50E-08</b>	<b>-1.10E-08</b>	<b>-8.20E-09</b>	<b>-2.00E-08</b>	<b>-2.00E-08</b>	<b>-2.10E-08</b>	<b>-2.10E-08</b>	<b>-1.50E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



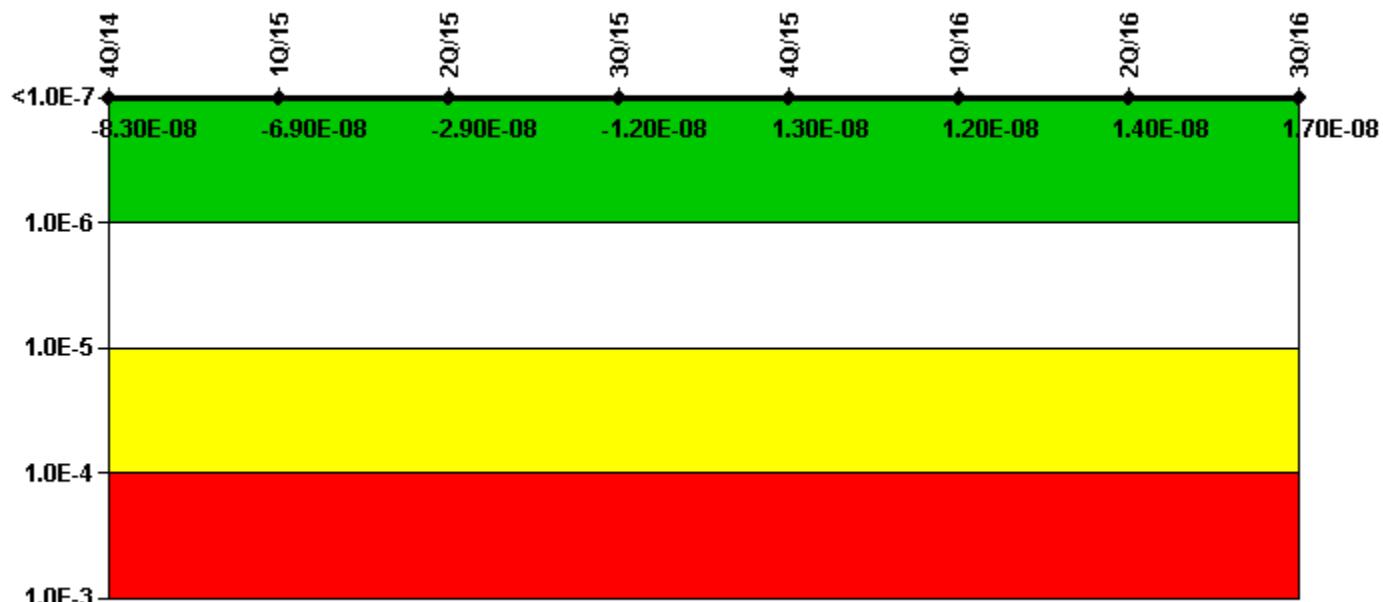
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-1.20E-08							
URI ( $\Delta$ CDF)	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07	-1.26E-07
PLE	NO							
Indicator value	<b>-1.40E-07</b>							

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



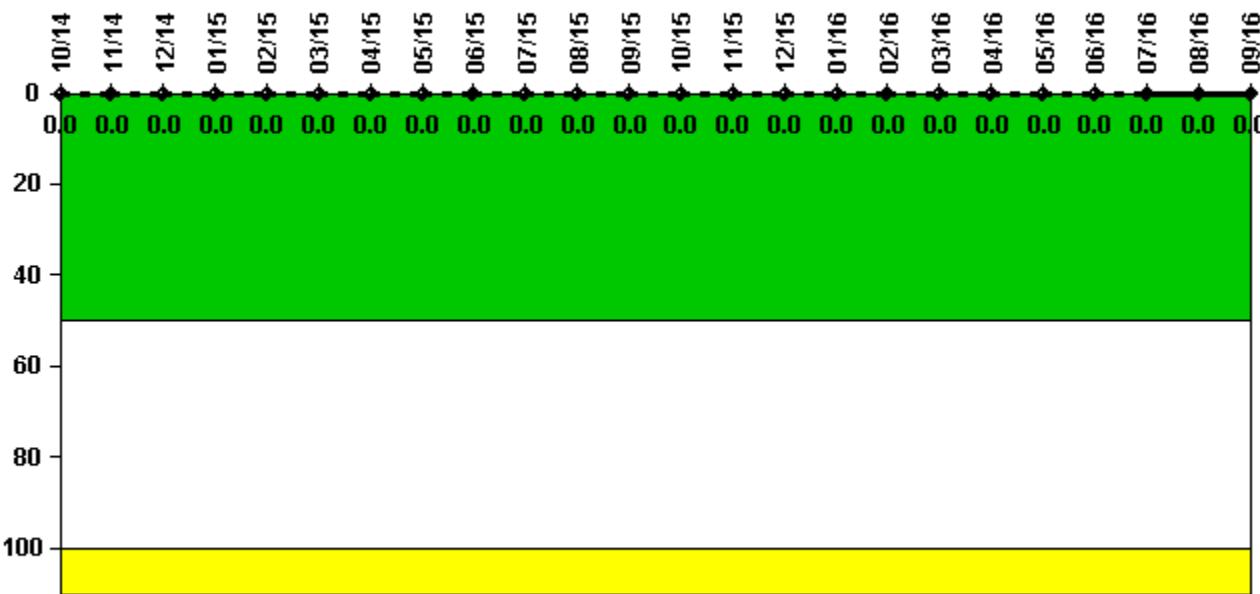
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	1.30E-09	1.23E-08	5.63E-08	7.27E-08	9.78E-08	9.93E-08	1.01E-07	1.06E-07
URI ( $\Delta$ CDF)	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08	-8.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-8.30E-08</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>	<b>1.20E-08</b>	<b>1.40E-08</b>	<b>1.70E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

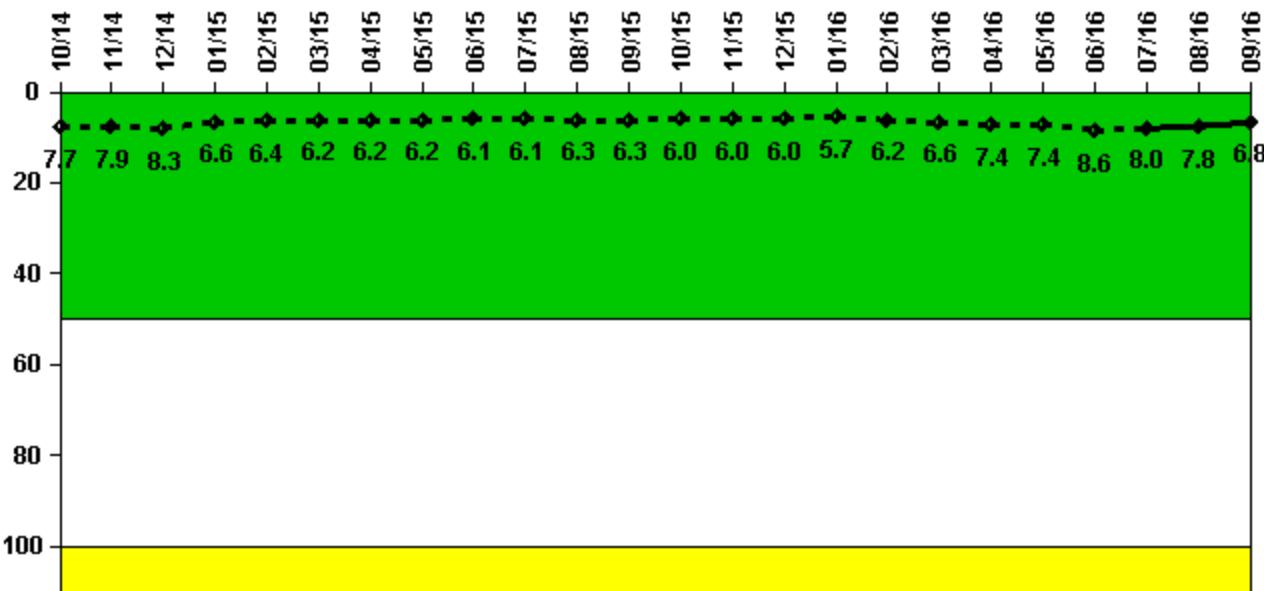
Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003	0.000003	0.000006	0.000005
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



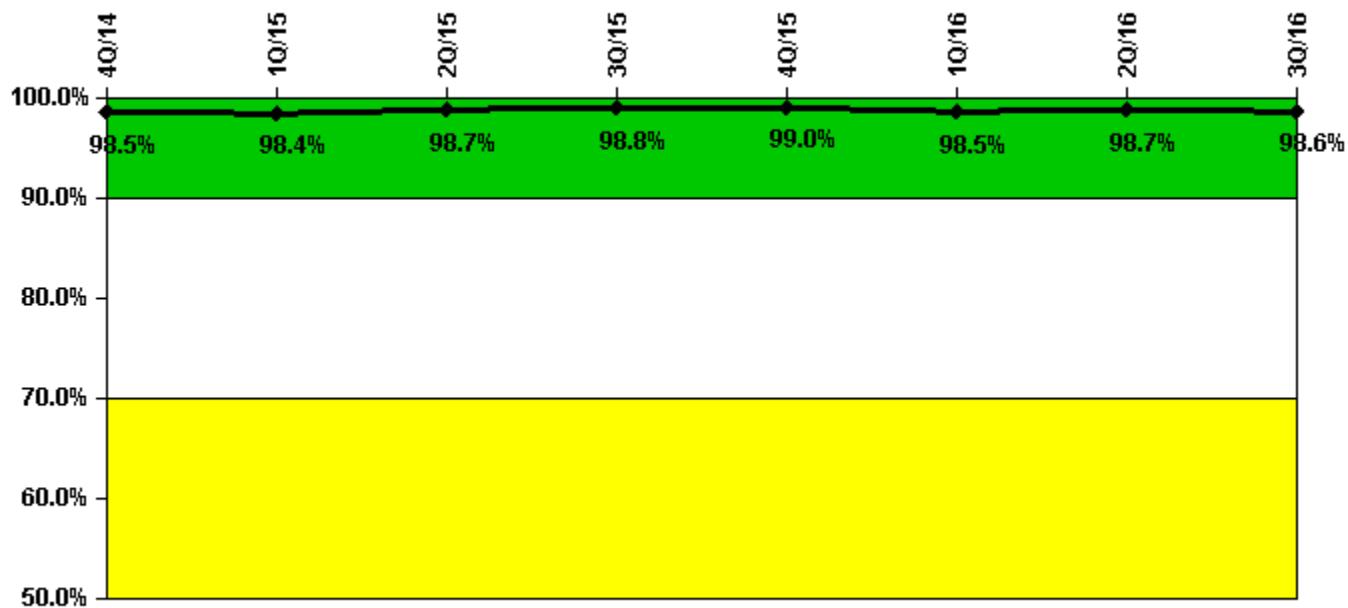
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	2.300	2.380	2.500	1.970	1.910	1.860	1.870	1.860	1.840	1.840	1.880	1.890
Indicator value	7.7	7.9	8.3	6.6	6.4	6.2	6.2	6.2	6.1	6.1	6.3	6.3
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	1.800	1.800	1.800	1.720	1.850	1.990	2.220	2.230	2.580	2.400	2.350	2.050
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	6.0	6.0	6.0	5.7	6.2	6.6	7.4	7.4	8.6	8.0	7.8	6.8

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

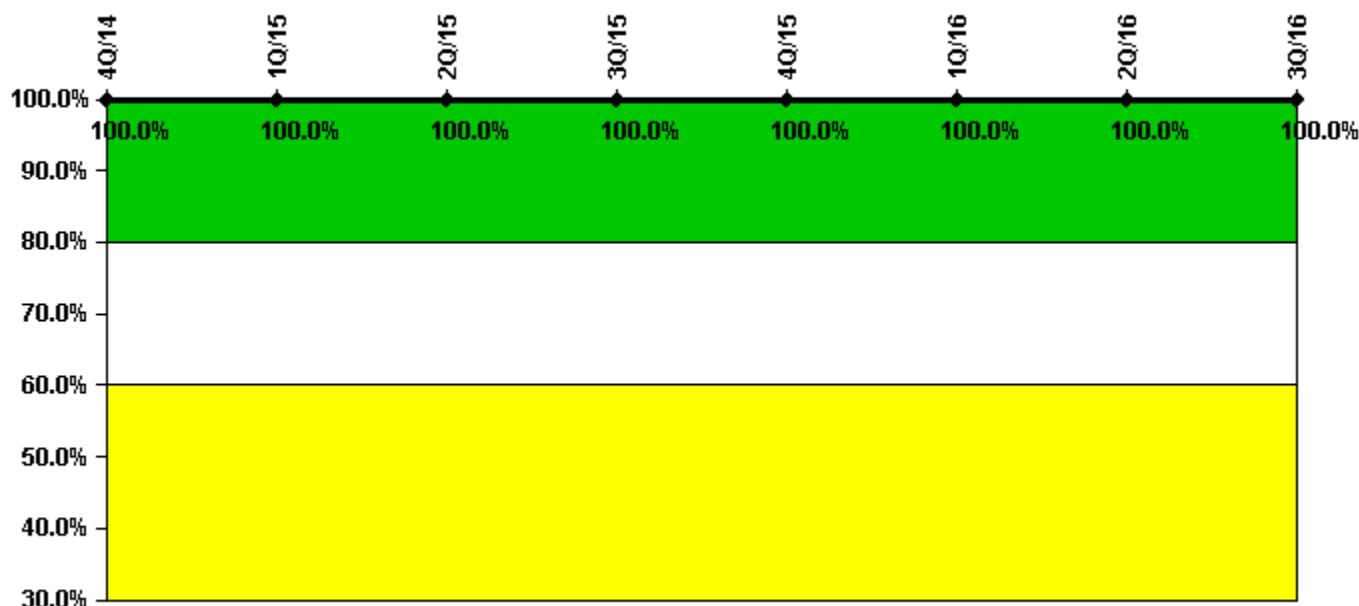
#### Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	50.0	26.0	53.0	58.0	41.0	22.0	55.0	53.0
Total opportunities	50.0	26.0	55.0	58.0	42.0	24.0	55.0	53.0
<b>Indicator value</b>	<b>98.5%</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>98.5%</b>	<b>98.7%</b>	<b>98.6%</b>

Licensee Comments: none

---

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

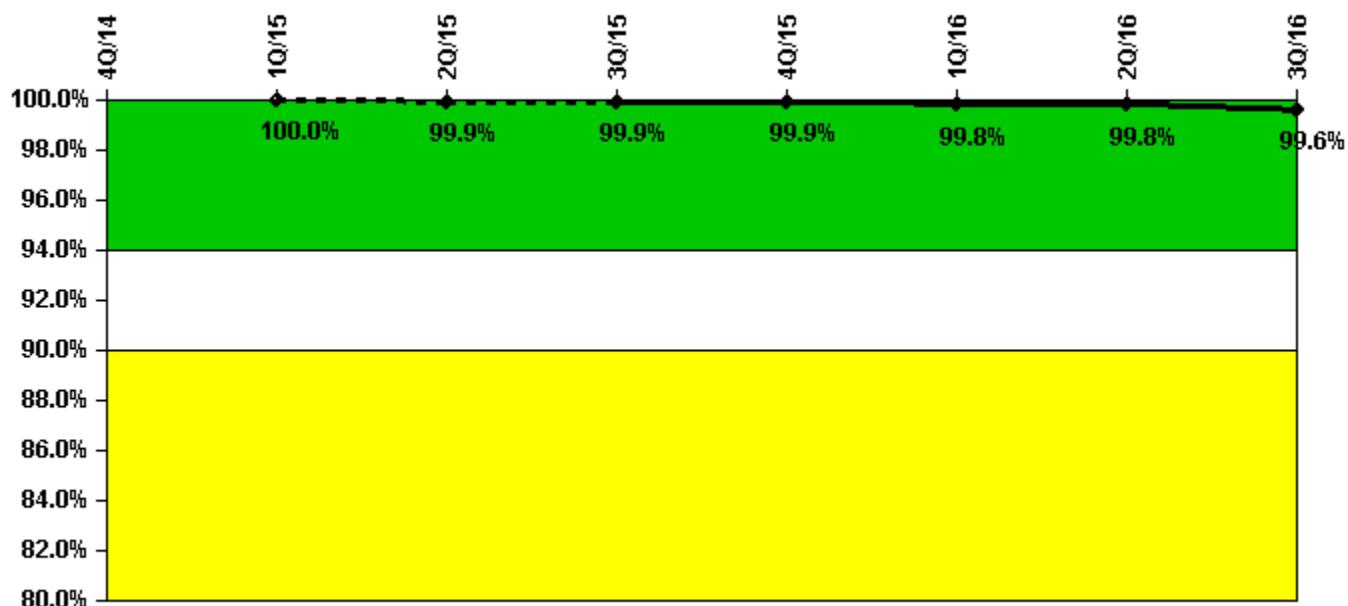
#### **Notes**

<b>ERO Drill Participation</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>
Participating Key personnel	112.0	109.0	107.0	101.0	105.0	99.0	85.0	85.0
Total Key personnel	112.0	109.0	107.0	101.0	105.0	99.0	85.0	85.0
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

## Alert & Notification System



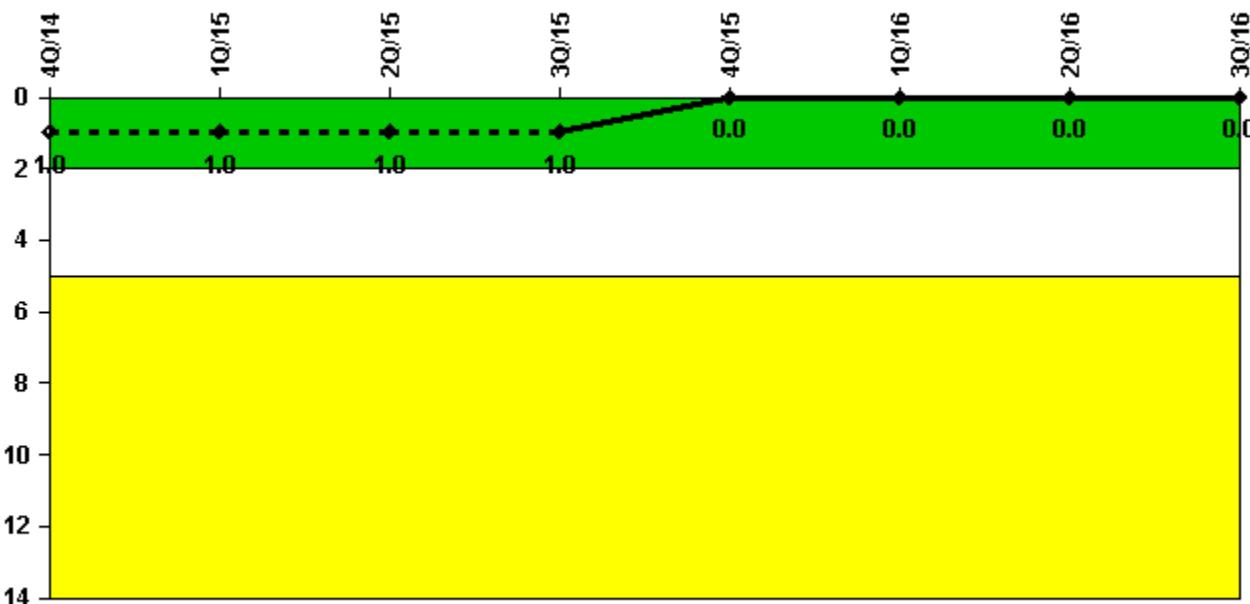
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	1120	960	1039	1117	1039	1038	1036	1032
Total sirens-tests	1120	960	1040	1120	1040	1040	1040	1040
<b>Indicator value</b>		<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.6%</b>

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



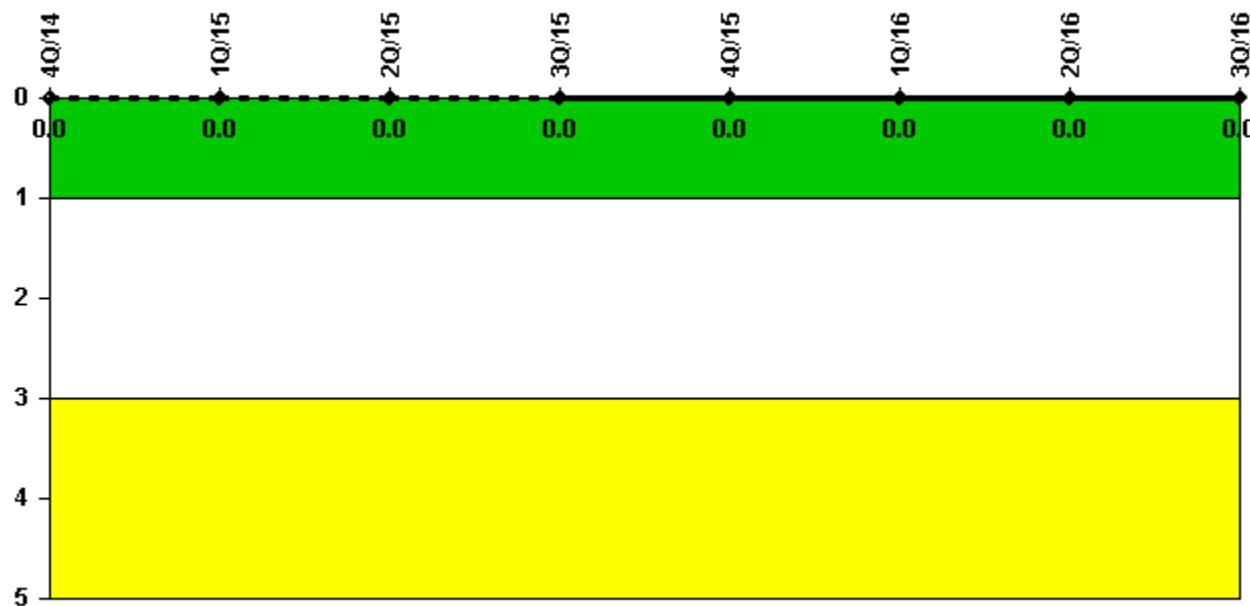
Thresholds: White > 2.0 Yellow > 5.0

#### **Notes**

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.



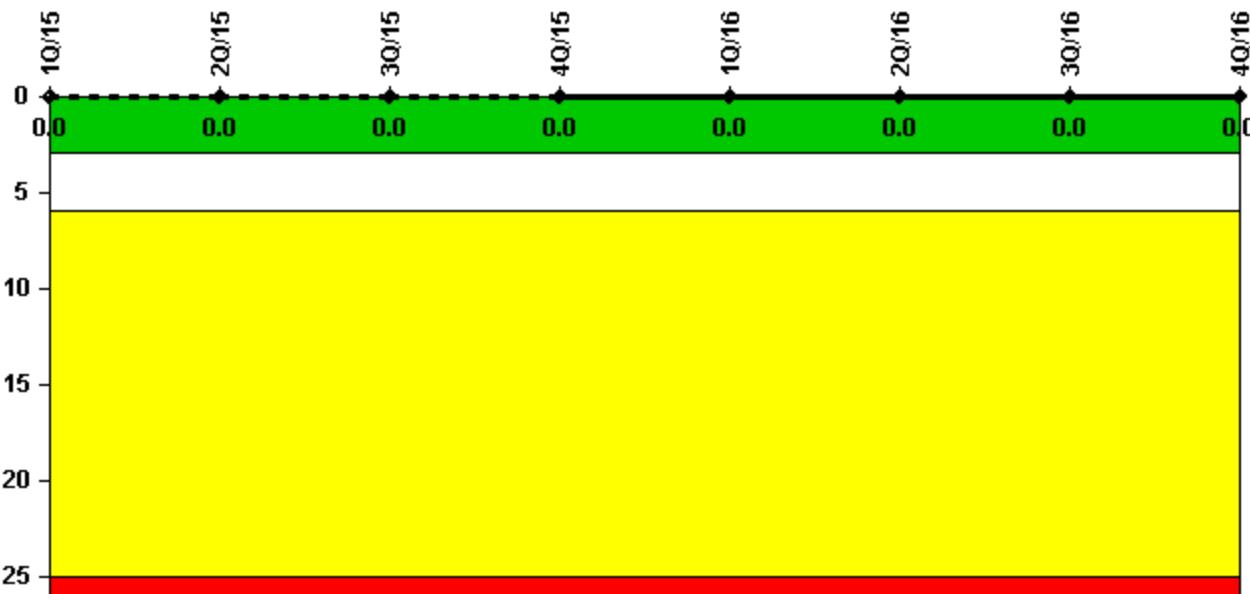
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 23, 2016*

**Hatch 1****4Q/2016 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

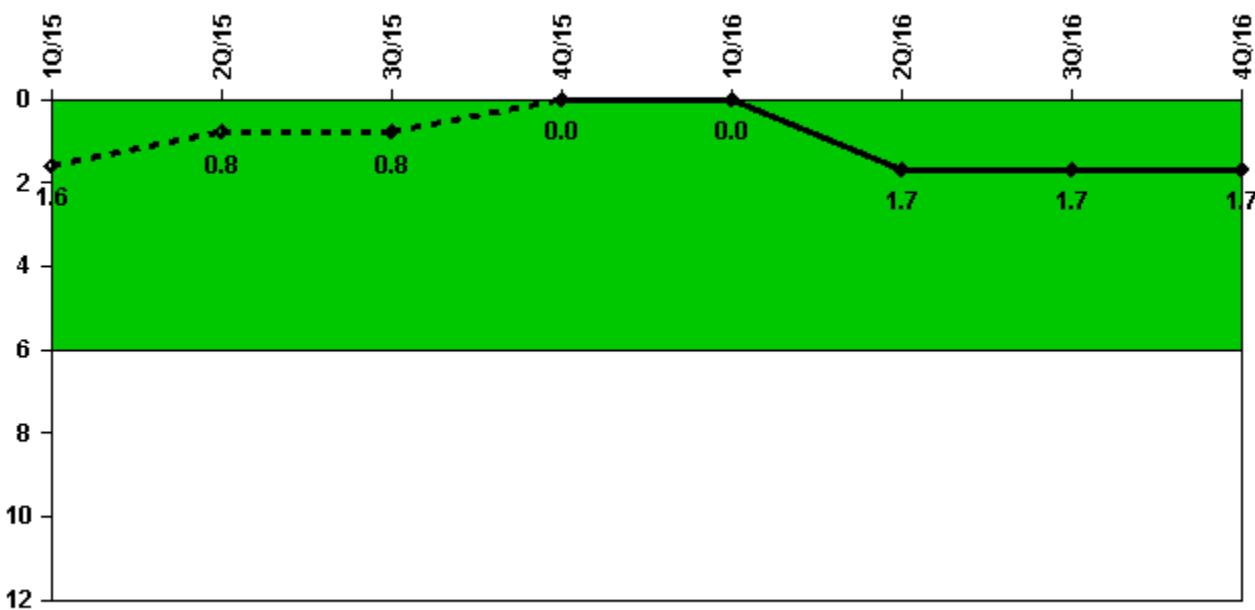
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



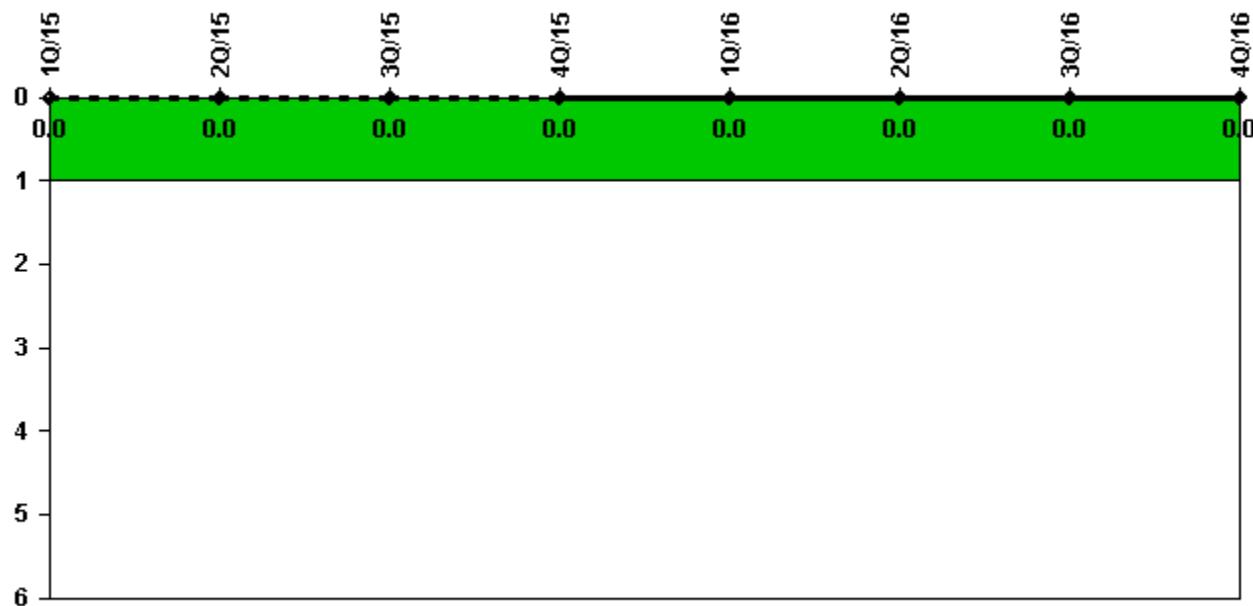
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0
<b>Indicator value</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

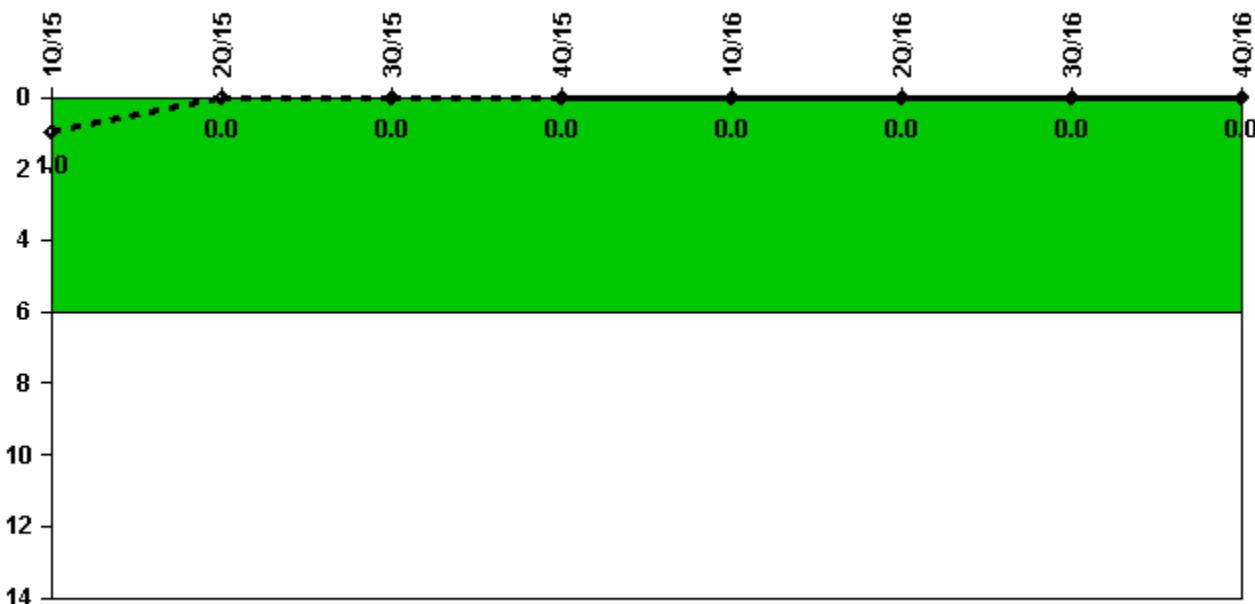
#### Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

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### **Safety System Functional Failures (BWR)**



Thresholds: White > 6.0

#### **Notes**

<b>Safety System Functional Failures (BWR)</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>0</b>						

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



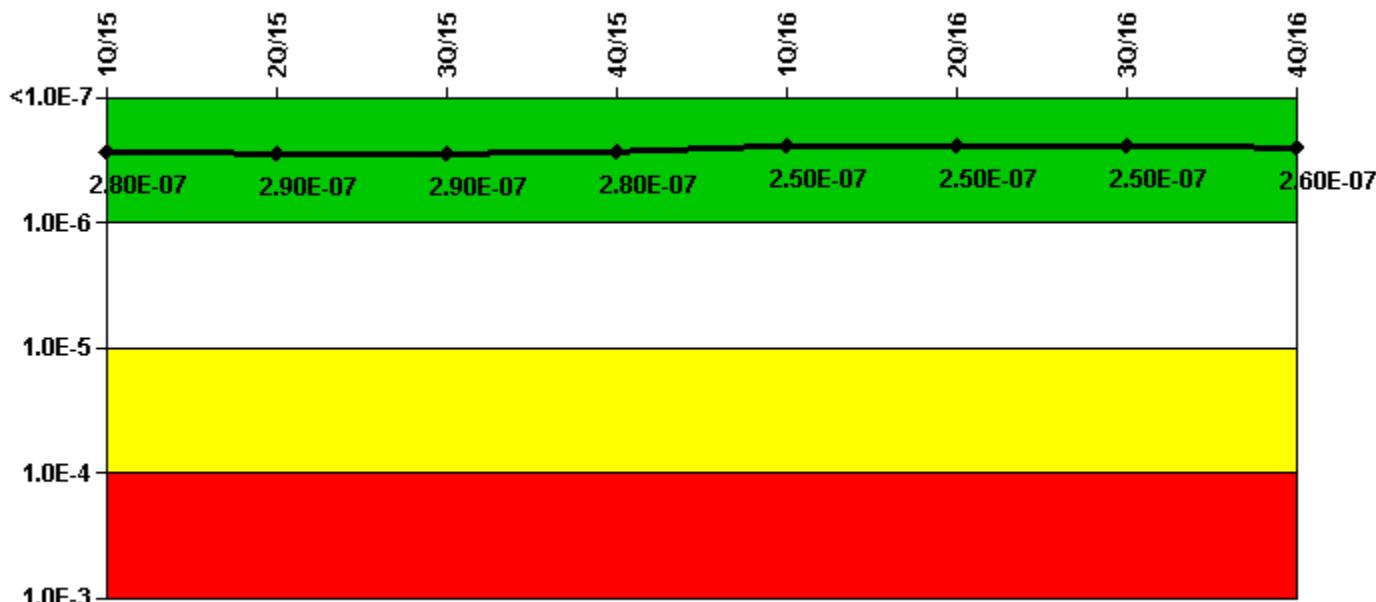
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	8.51E-08	3.48E-09	1.26E-09	5.46E-08	5.05E-08	7.56E-08	1.05E-07	1.30E-07
URI ( $\Delta$ CDF)	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07	-5.72E-08	-5.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-2.20E-07</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>-2.40E-07</b>	<b>4.80E-08</b>	<b>7.90E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



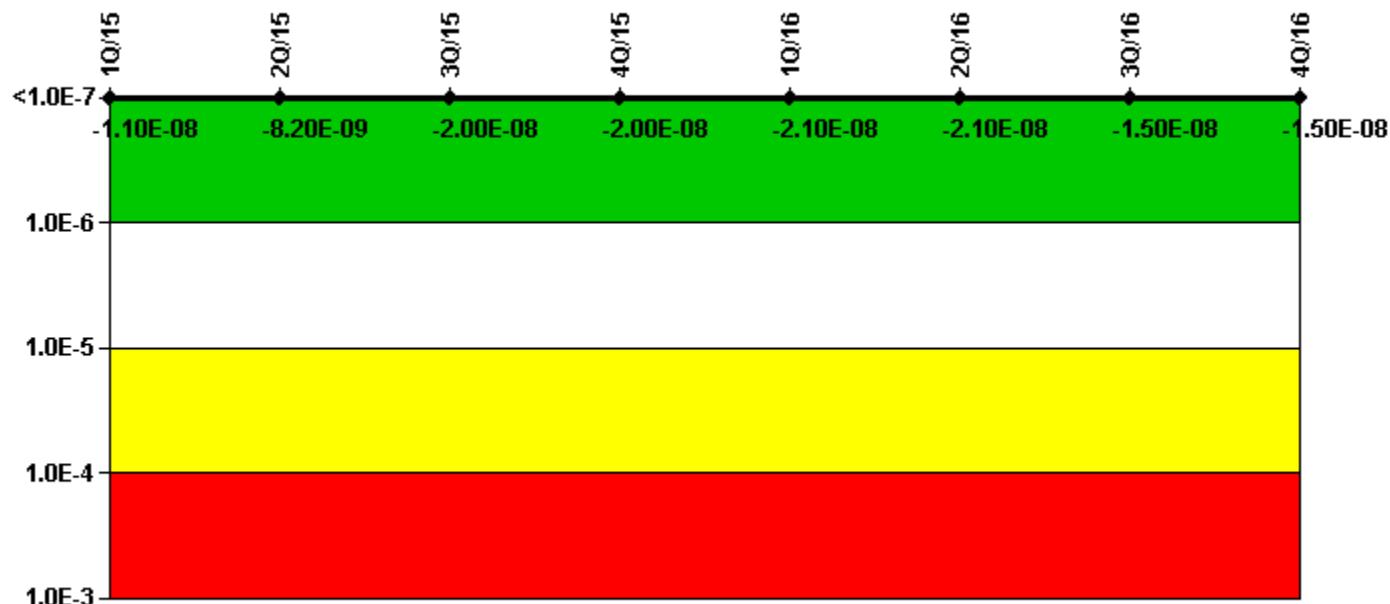
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	-7.45E-08							
URI ( $\Delta$ CDF)	3.52E-07	3.65E-07	3.65E-07	3.51E-07	3.25E-07	3.25E-07	3.25E-07	3.38E-07
PLE	NO							
<b>Indicator value</b>	<b>2.80E-07</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



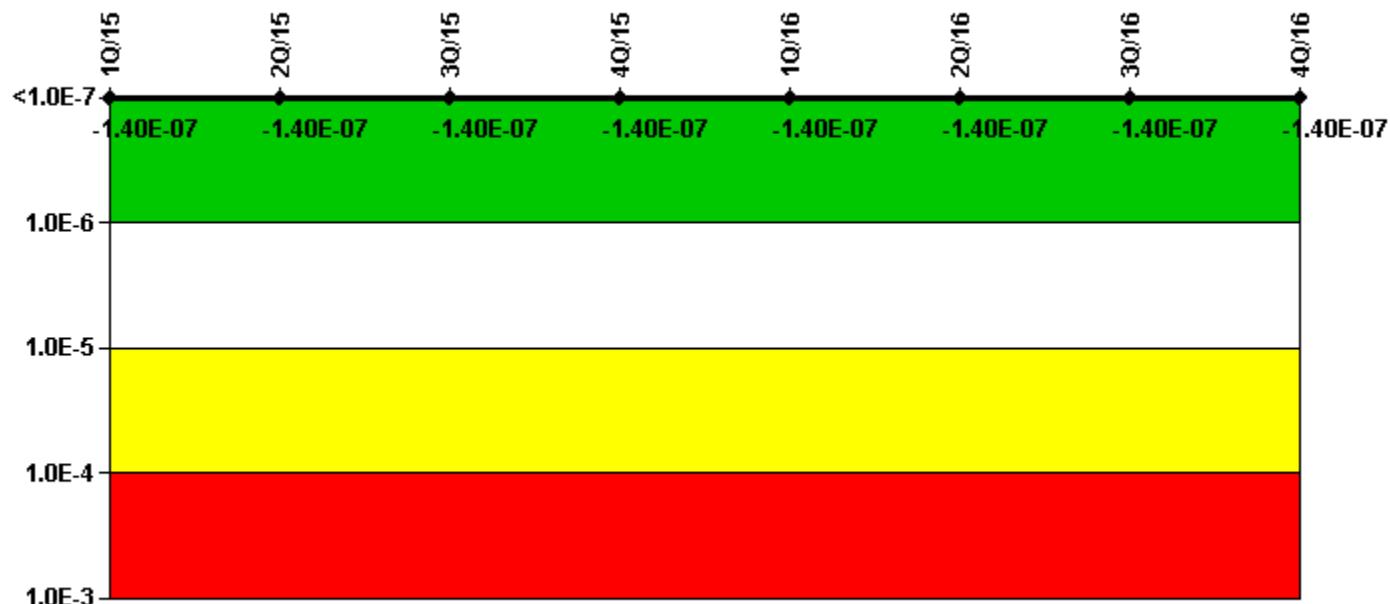
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09	-7.00E-09	-7.00E-09	6.28E-11	-1.29E-11
URI ( $\Delta$ CDF)	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.51E-08	-1.51E-08
PLE	NO							
Indicator value	<b>-1.10E-08</b>	<b>-8.20E-09</b>	<b>-2.00E-08</b>	<b>-2.00E-08</b>	<b>-2.10E-08</b>	<b>-2.10E-08</b>	<b>-1.50E-08</b>	<b>-1.50E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



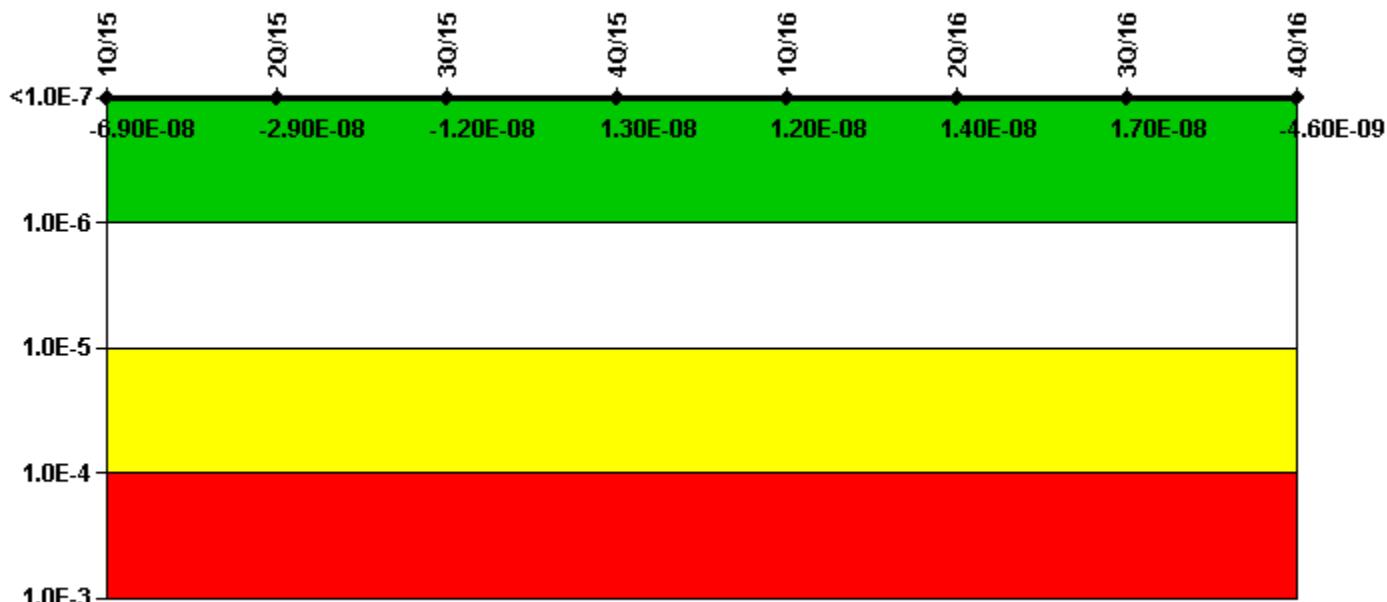
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	-1.20E-08							
URI ( $\Delta$ CDF)	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07	-1.26E-07	-1.24E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.40E-07</b>							

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



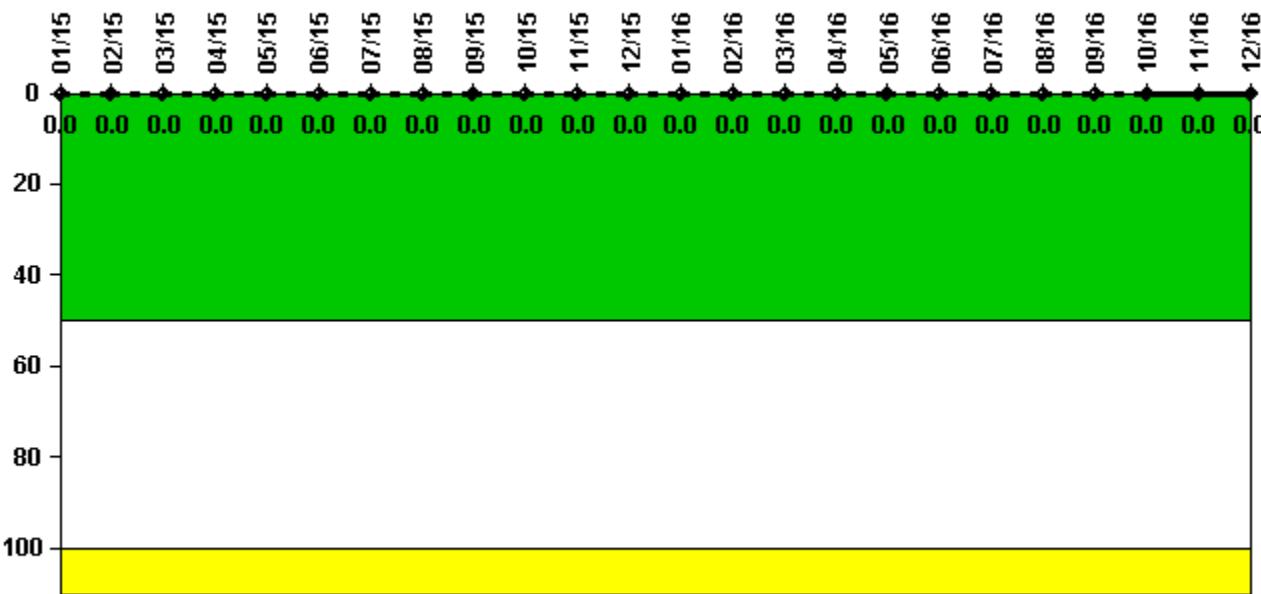
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	1.23E-08	5.63E-08	7.27E-08	9.78E-08	9.93E-08	1.01E-07	1.06E-07	8.29E-08
URI ( $\Delta$ CDF)	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08	-8.92E-08	-8.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-6.90E-08</b>	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>	<b>1.20E-08</b>	<b>1.40E-08</b>	<b>1.70E-08</b>	<b>-4.60E-09</b>

Licensee Comments: none

## Reactor Coolant System Activity



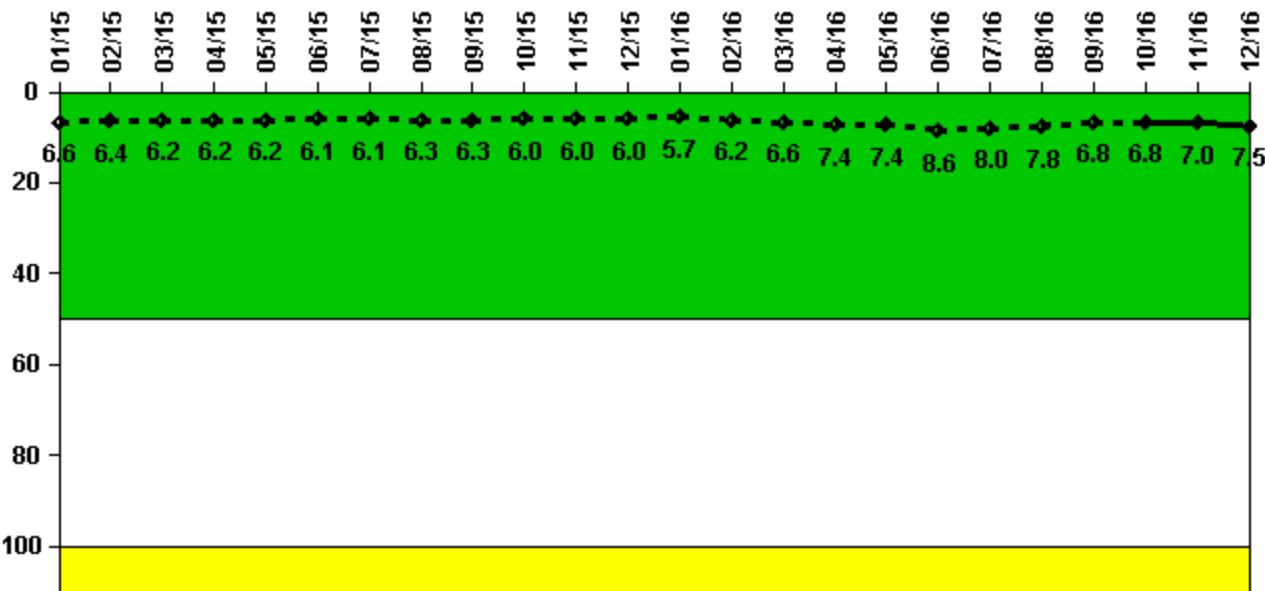
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003
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	0
Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003	0.000003	0.000006	0.000005	0.000004	0.000005	0.000007
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	0

Licensee Comments: none

## Reactor Coolant System Leakage



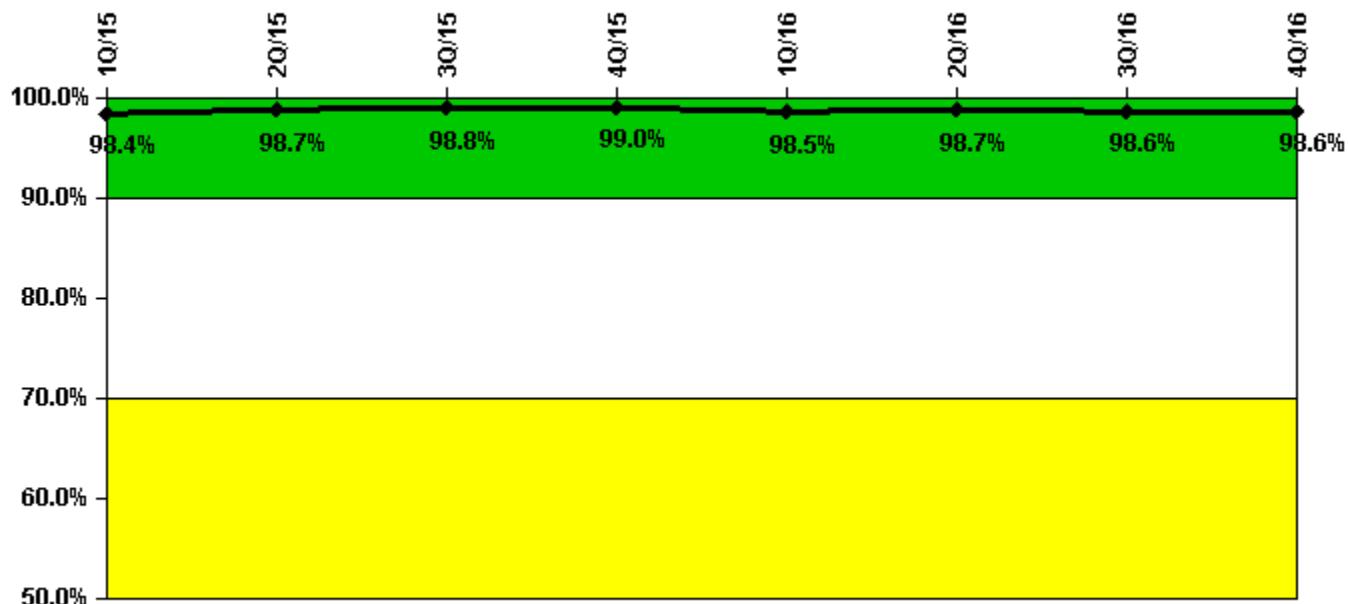
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	1.970	1.910	1.860	1.870	1.860	1.840	1.840	1.880	1.890	1.800	1.800	1.800
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
<b>Indicator value</b>	<b>6.6</b>	<b>6.4</b>	<b>6.2</b>	<b>6.2</b>	<b>6.2</b>	<b>6.1</b>	<b>6.1</b>	<b>6.3</b>	<b>6.3</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>
Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	1.720	1.850	1.990	2.220	2.230	2.580	2.400	2.350	2.050	2.050	2.100	2.260
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
<b>Indicator value</b>	<b>5.7</b>	<b>6.2</b>	<b>6.6</b>	<b>7.4</b>	<b>7.4</b>	<b>8.6</b>	<b>8.0</b>	<b>7.8</b>	<b>6.8</b>	<b>6.8</b>	<b>7.0</b>	<b>7.5</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

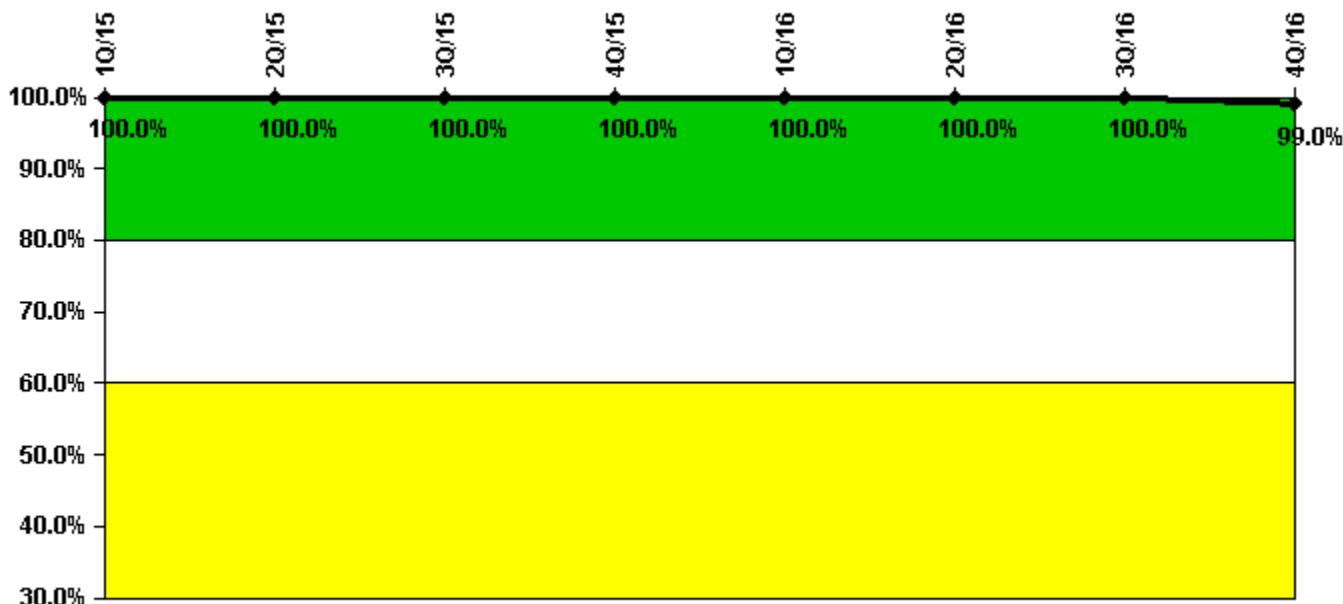
#### Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	26.0	53.0	58.0	41.0	22.0	55.0	53.0	36.0
Total opportunities	26.0	55.0	58.0	42.0	24.0	55.0	53.0	36.0
<b>Indicator value</b>	<b>98.4%</b>	<b>98.7%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>98.5%</b>	<b>98.7%</b>	<b>98.6%</b>	<b>98.6%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

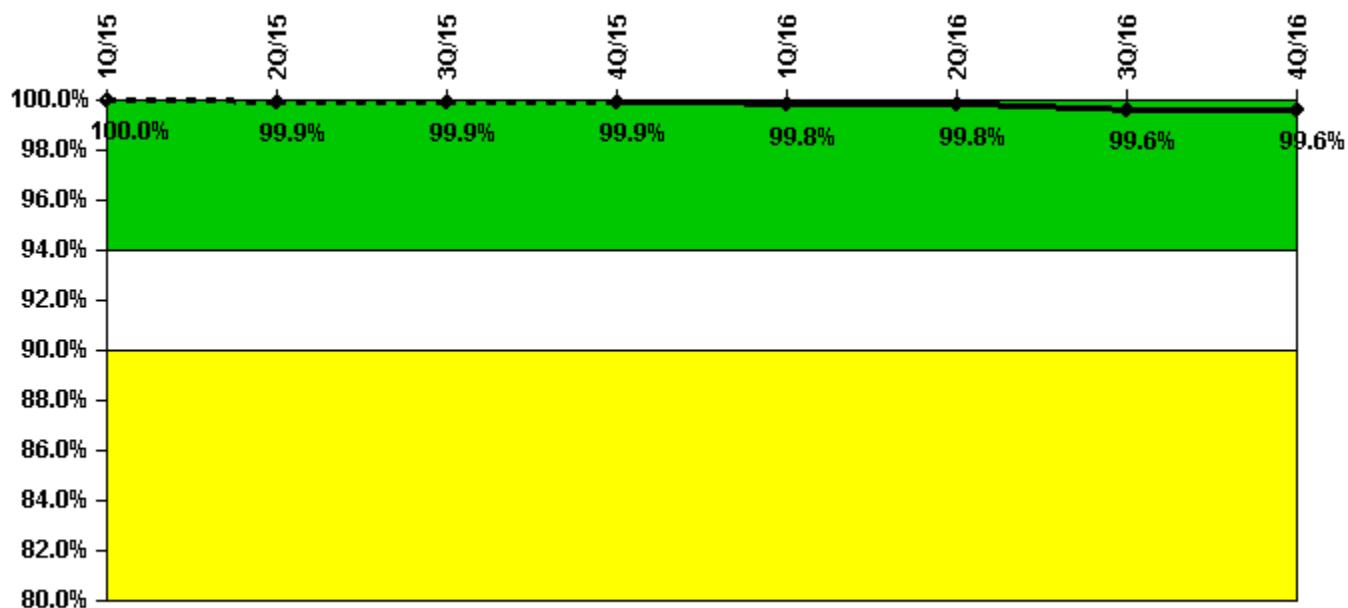
#### **Notes**

<b>ERO Drill Participation</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>
Participating Key personnel	109.0	107.0	101.0	105.0	99.0	85.0	85.0	95.0
Total Key personnel	109.0	107.0	101.0	105.0	99.0	85.0	85.0	96.0
<b>Indicator value</b>	<b>100.0%</b>	<b>99.0%</b>						

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

## Alert & Notification System



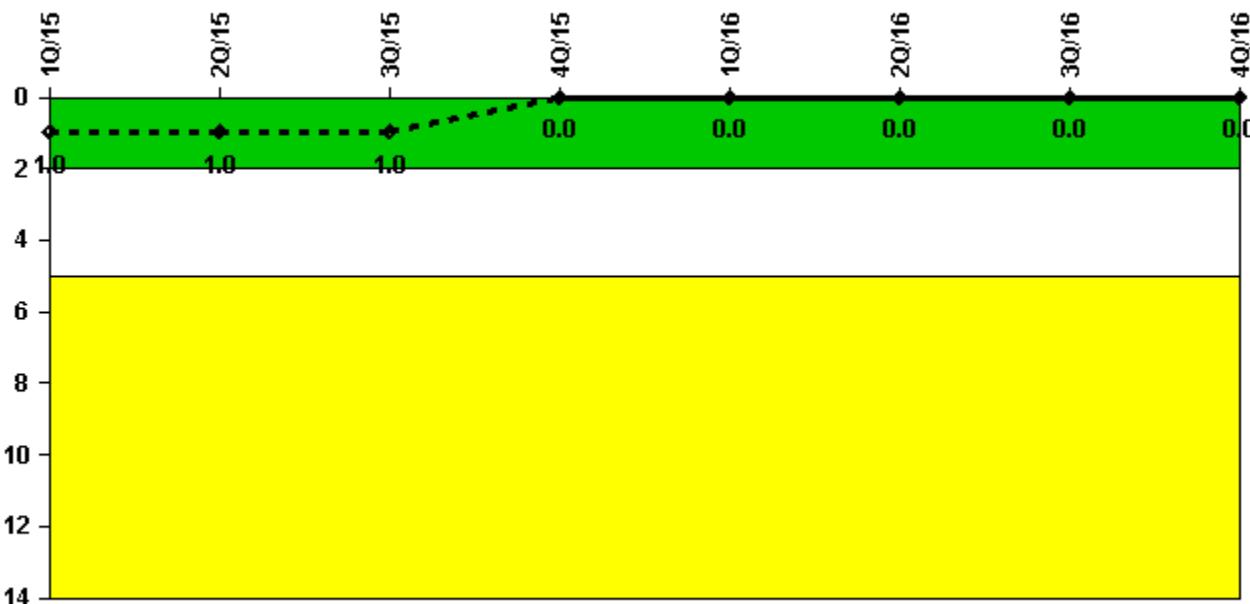
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	960	1039	1117	1039	1038	1036	1032	1117
Total sirens-tests	960	1040	1120	1040	1040	1040	1040	1120
<b>Indicator value</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.6%</b>	<b>99.6%</b>

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



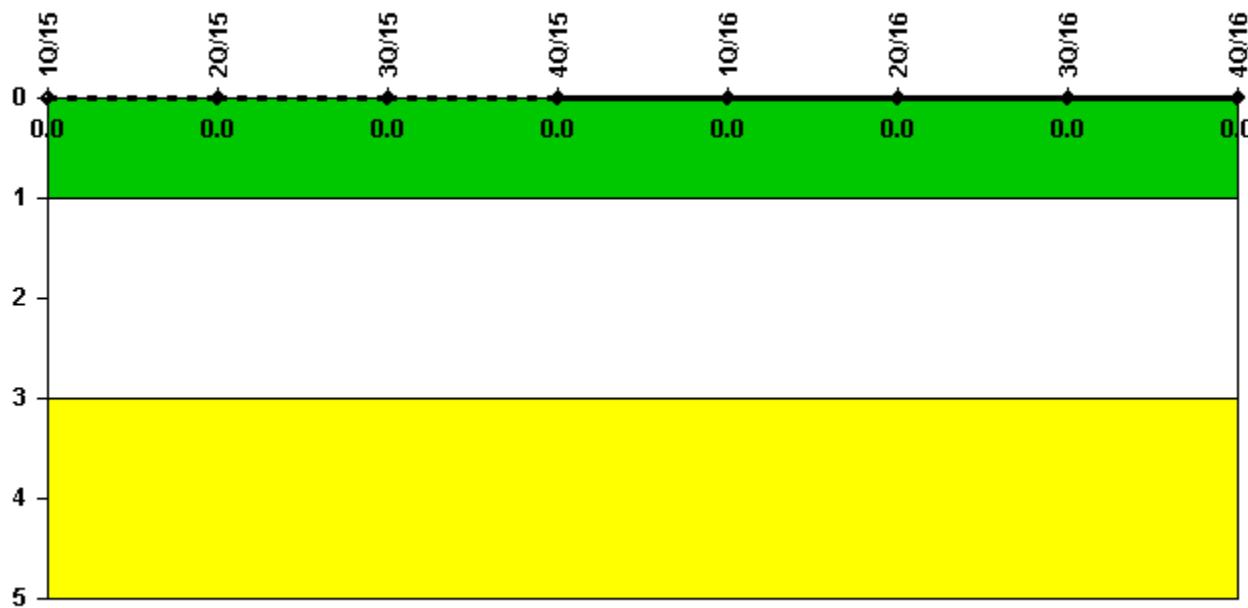
Thresholds: White > 2.0 Yellow > 5.0

#### **Notes**

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
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>1</b>	<b>1</b>	<b>1</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	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	<b>0</b>							

Licensee Comments: none

---

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

*Last Modified: January 24, 2017*



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## Hatch 1 – Quarterly Performance Indicators

### 1Q/2017 Performance Indicators

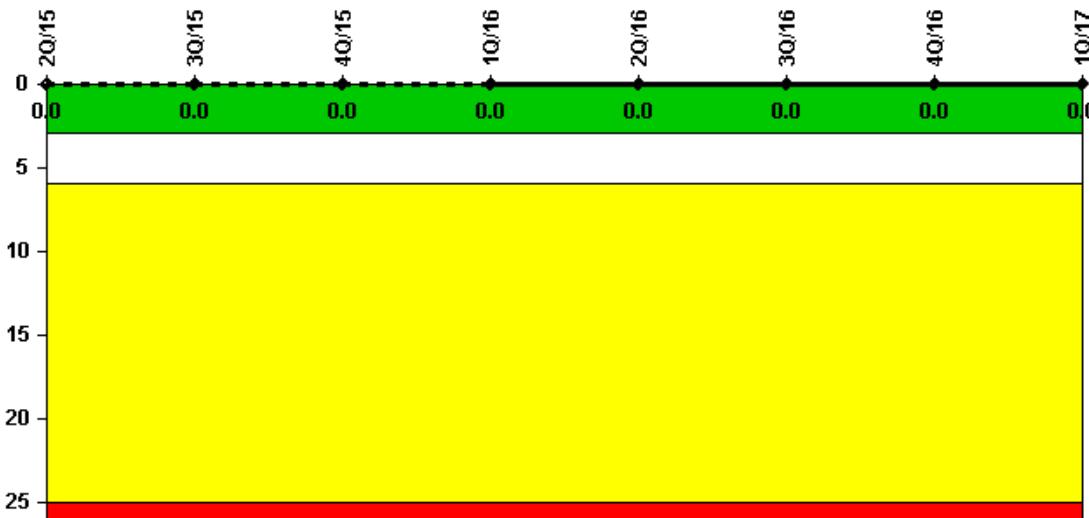
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

### **Unplanned Scrams per 7000 Critical Hrs**



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

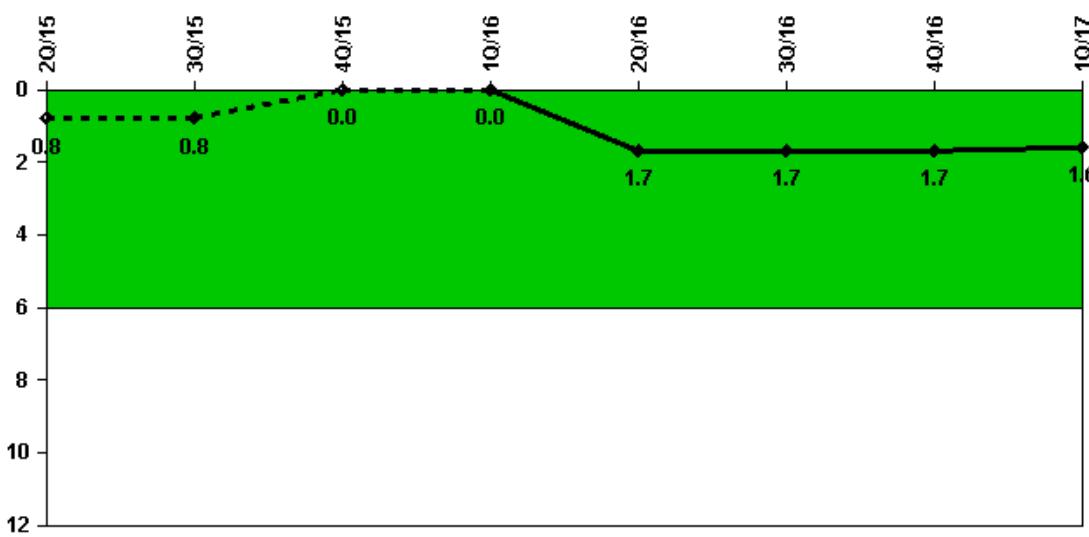
<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5

### Indicator value



Licensee Comments: none

## **Unplanned Power Changes per 7000 Critical Hrs**



**Thresholds: White > 6.0**

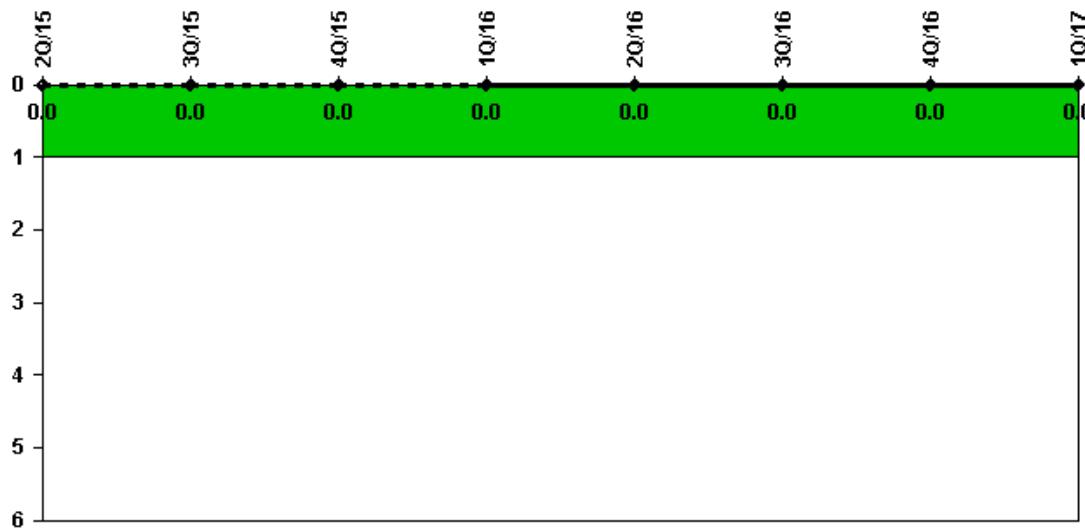
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5

Indicator value      0.8    0.8    0    0    1.7    1.7    1.7    1.6

 TOP

Licensee Comments: none

**Unplanned Scrams with Complications**

Thresholds: White &gt; 1.0

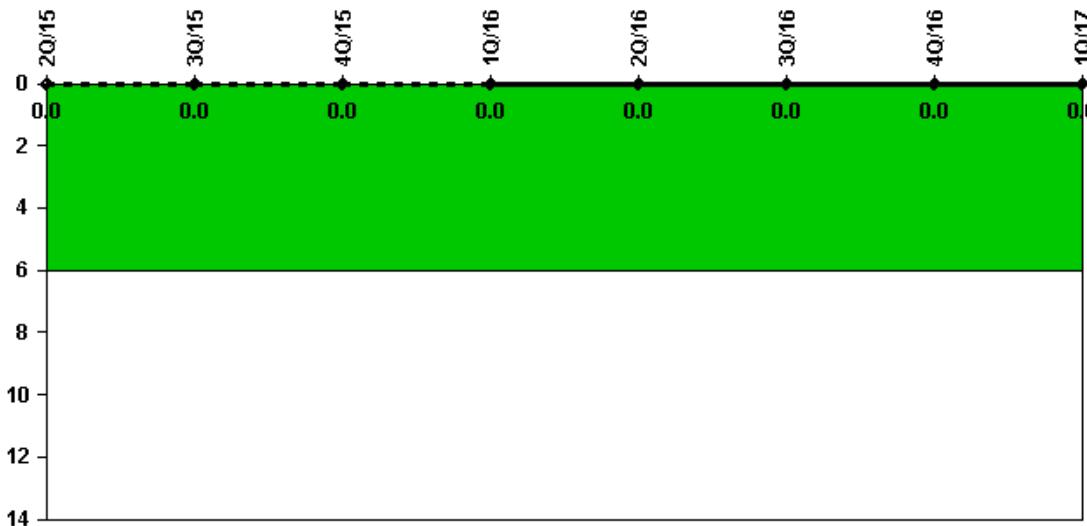
**Notes**

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
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

 TOP

Licensee Comments: none

**Safety System Functional Failures (BWR)**

Thresholds: White &gt; 6.0

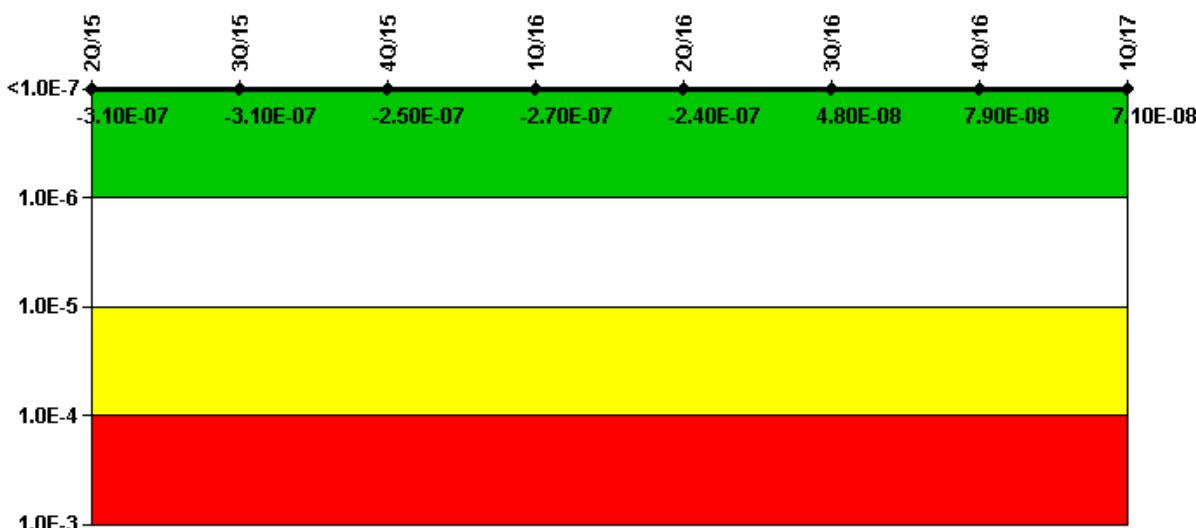
**Notes**

**Safety System Functional Failures (BWR)** 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17  
Safety System Functional Failures      0      0      0      0      0      0      0      0

Indicator value      0      0      0      0      0      0      0      0

▲ TOP

Licensee Comments: none

**Mitigating Systems Performance Index, Emergency AC Power System**

Thresholds: White &gt; 1.00E-6 Yellow &gt; 1.00E-5 Red &gt; 1.00E-4

## Notes

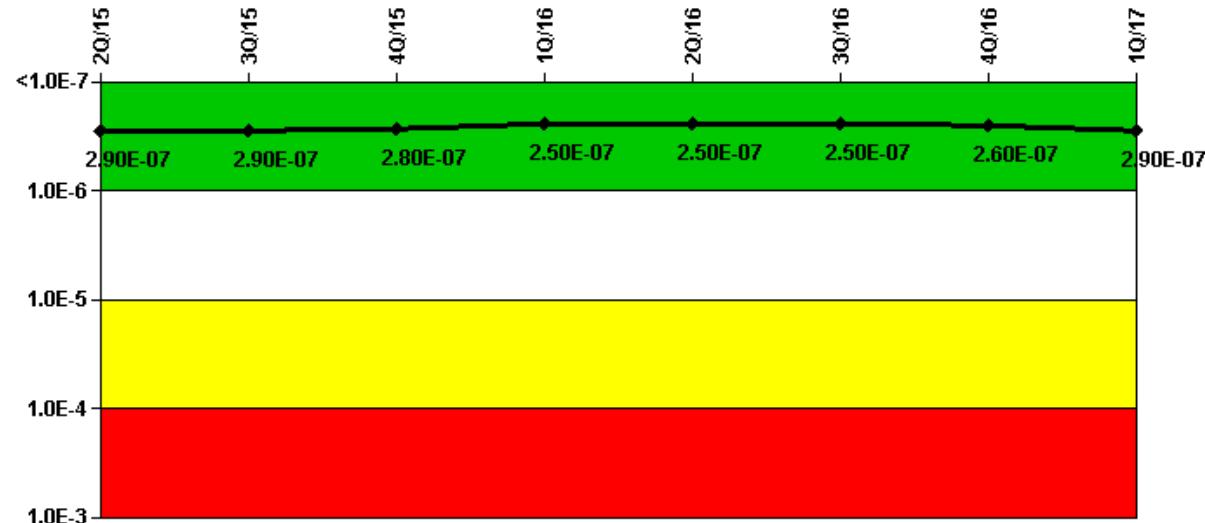
## Mitigating Systems Performance Index, Emergency

<b>AC Power System</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>
UAI ( $\Delta$ CDF)	3.48E-09	1.26E-09	5.46E-08	5.05E-08	7.56E-08	1.05E-07	1.30E-07	1.15E-07
URI ( $\Delta$ CDF)	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07	-5.72E-08	-5.12E-08	-4.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-3.10E-07</b>	<b>-3.10E-07</b>	<b>-2.50E-07</b>	<b>-2.70E-07</b>	<b>-2.40E-07</b>	<b>4.80E-08</b>	<b>7.90E-08</b>	<b>7.10E-08</b>

TOP

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

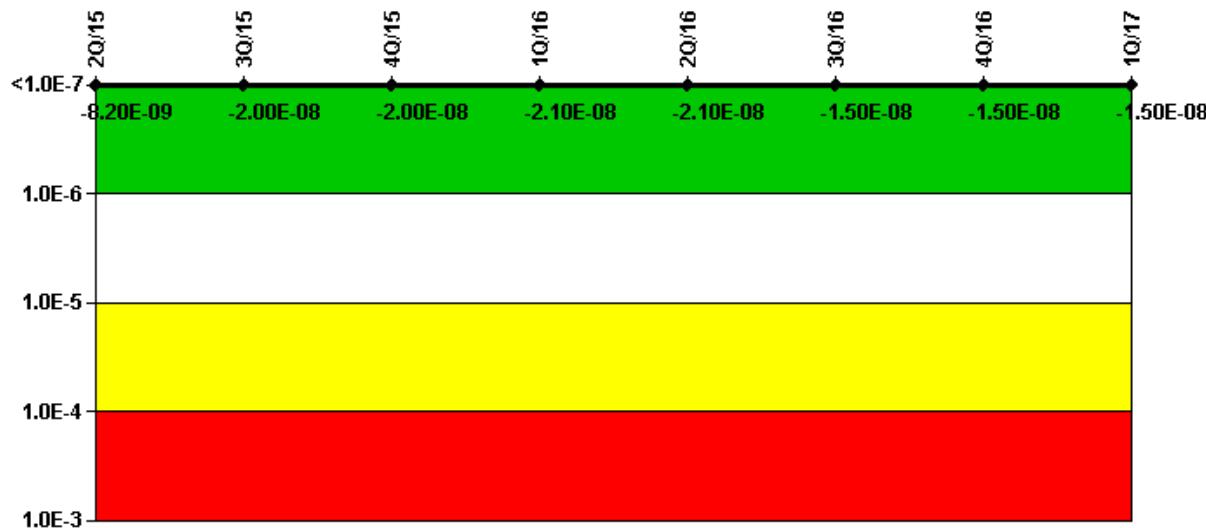
# Mitigating Systems Performance Index, High Pressure Injection System

	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-7.45E-08	-7.03E-08						
URI ( $\Delta$ CDF)	3.65E-07	3.65E-07	3.51E-07	3.25E-07	3.25E-07	3.25E-07	3.38E-07	3.65E-07
PLE	NO							
<b>Indicator value</b>	<b>2.90E-07</b>	<b>2.90E-07</b>	<b>2.80E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>	<b>2.60E-07</b>	<b>2.90E-07</b>

TOP

**Licensee Comments:**

1Q/17: One event related to an inverter power supply failure is under evaluation.

**Mitigating Systems Performance Index, Heat Removal System**

Thresholds: White &gt; 1.00E-6 Yellow &gt; 1.00E-5 Red &gt; 1.00E-4

**Notes****Mitigating Systems Performance Index, Heat****Removal System****2Q/15    3Q/15    4Q/15    1Q/16    2Q/16    3Q/16    4Q/16    1Q/17**

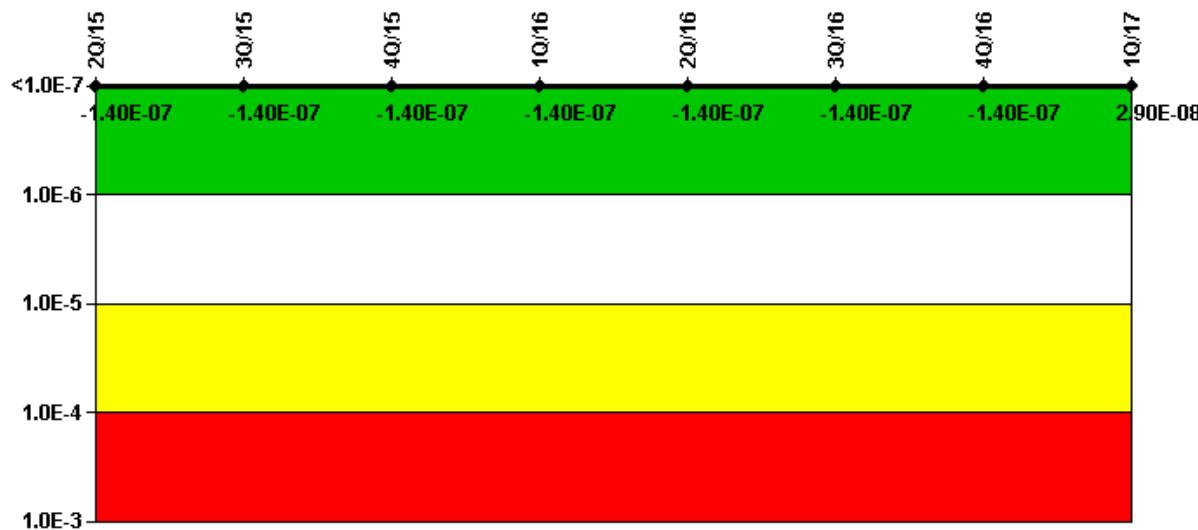
UAI ( $\Delta$ CDF)	5.59E-09	09	09	09	09	6.28E-11	11	10
URI ( $\Delta$ CDF)	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.51E-08	-1.51E-08	-1.44E-08
PLE	NO							

**Indicator value**    **-8.20E-09    -2.00E-08    -2.00E-08    -2.10E-08    -2.10E-08    -1.50E-08    -1.50E-08    -1.50E-08**

TOP

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

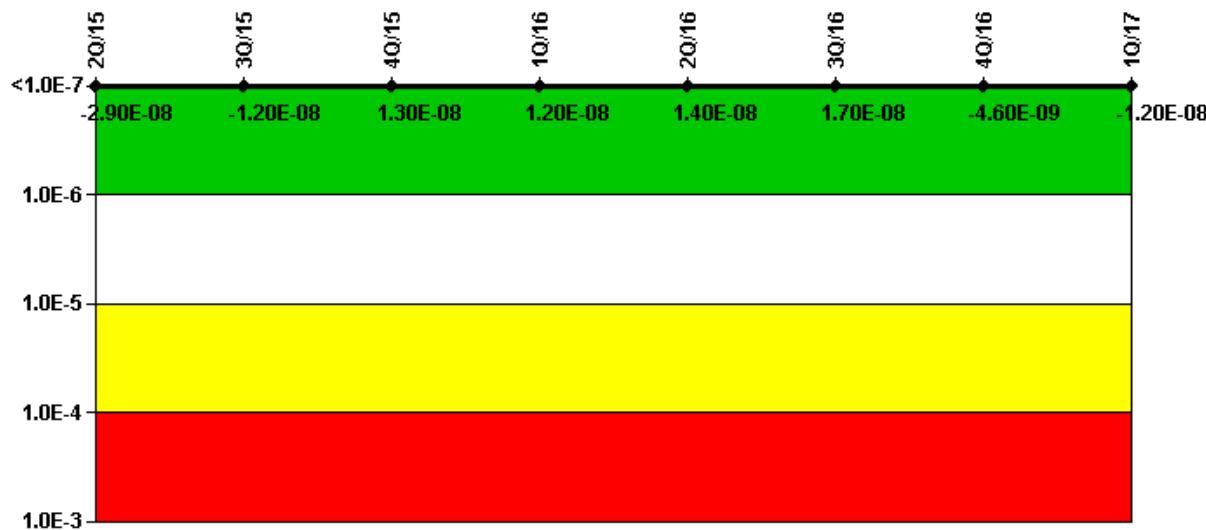
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	-1.20E-08	-9.60E-09						
URI ( $\Delta$ CDF)	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07	-1.26E-07	-1.24E-07	3.84E-08
PLE	NO							
Indicator value	-1.40E-07	2.90E-08						

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### Licensee Comments:

1Q/17: Subsequent failures of the minimum flow valve are under evaluation as potential additional failures.

### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

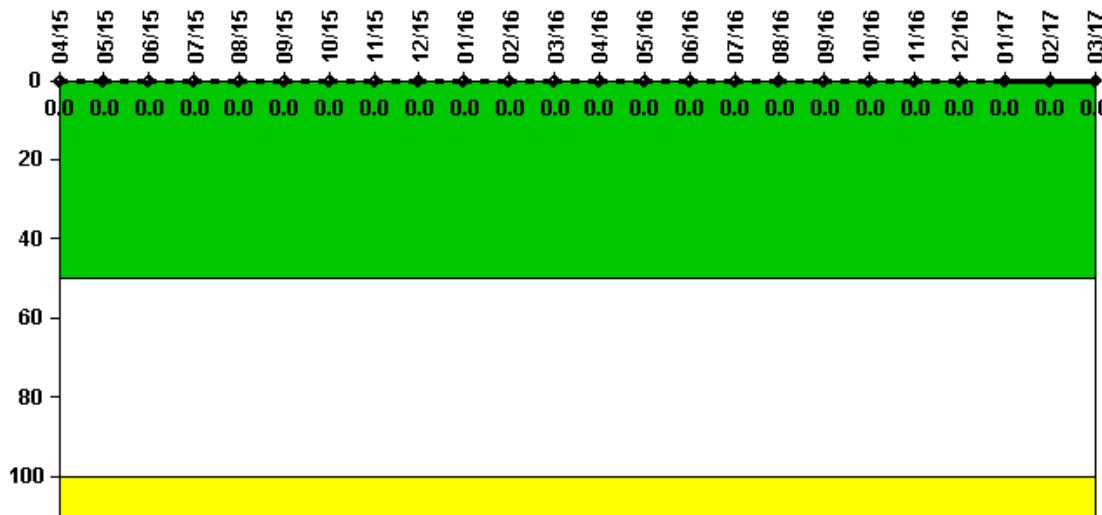
##### Mitigating Systems Performance Index, Cooling

###### Water Systems

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	5.63E-08	7.27E-08	9.78E-08	9.93E-08	1.01E-07	1.06E-07	8.29E-08	7.97E-08
	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08	-8.92E-08	-8.75E-08	-9.14E-08
URI ( $\Delta$ CDF)								
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.90E-08</b>	<b>-1.20E-08</b>	<b>1.30E-08</b>	<b>1.20E-08</b>	<b>1.40E-08</b>	<b>1.70E-08</b>	<b>-4.60E-09</b>	<b>-1.20E-08</b>

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Licensee Comments: none

**Reactor Coolant System Activity**

Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**Notes**

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000003	0.000004	0.000004	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002
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	0
Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000004	0.000004	0.000003	0.000003	0.000006	0.000005	0.000004	0.000005	0.000007	0.000004	0.000003	0.000003

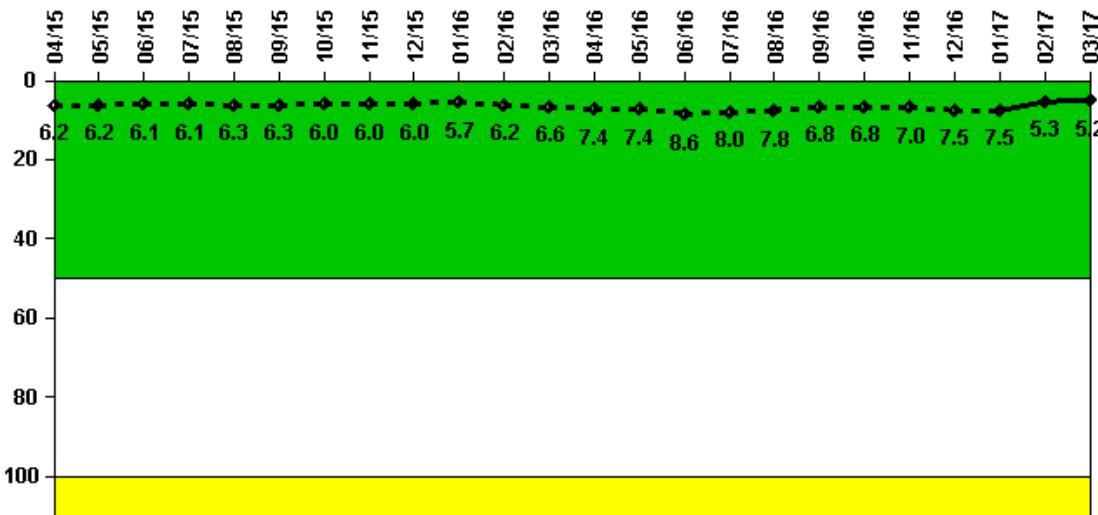
Technical specification limit

0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Indicator value 0 0 0 0 0 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

**Reactor Coolant System Leakage**

Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**Notes****Reactor Coolant System Leakage** 4/15 5/15 6/15 7/15 8/15 9/15 10/15 11/15 12/15 1/16 2/16 3/16

Maximum leakage 1.870 1.860 1.840 1.840 1.880 1.890 1.800 1.800 1.720 1.850 1.990

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** 6.2 6.2 6.1 6.1 6.3 6.3 6.0 6.0 6.0 5.7 6.2 6.6**Reactor Coolant System Leakage** 4/16 5/16 6/16 7/16 8/16 9/16 10/16 11/16 12/16 1/17 2/17 3/17

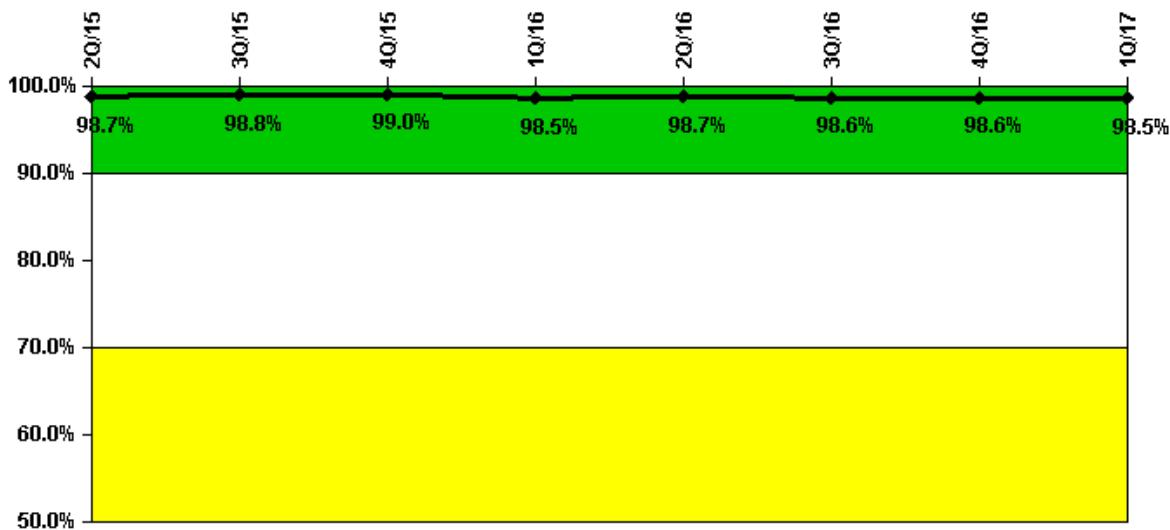
Maximum leakage 2.220 2.230 2.580 2.400 2.350 2.050 2.050 2.100 2.260 2.260 1.580 1.550

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** 7.4 7.4 8.6 8.0 7.8 6.8 6.8 7.0 7.5 7.5 5.3 5.2

TOP

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

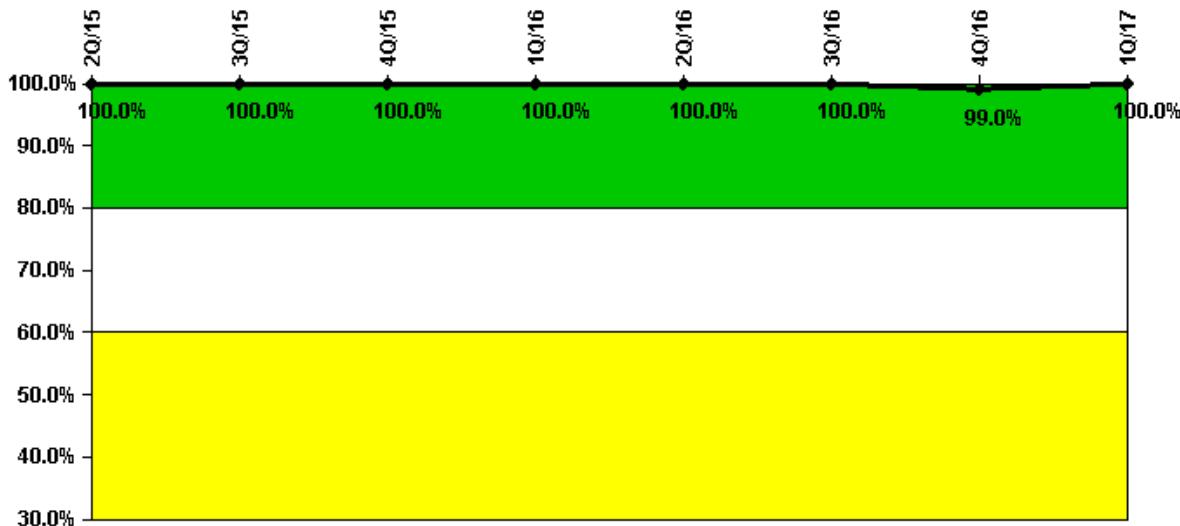
**Notes**

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	53.0	58.0	41.0	22.0	55.0	53.0	36.0	14.0
Total opportunities	55.0	58.0	42.0	24.0	55.0	53.0	36.0	14.0

Indicator value      **98.7% 98.8% 99.0% 98.5% 98.7% 98.6% 98.6% 98.5%**

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Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

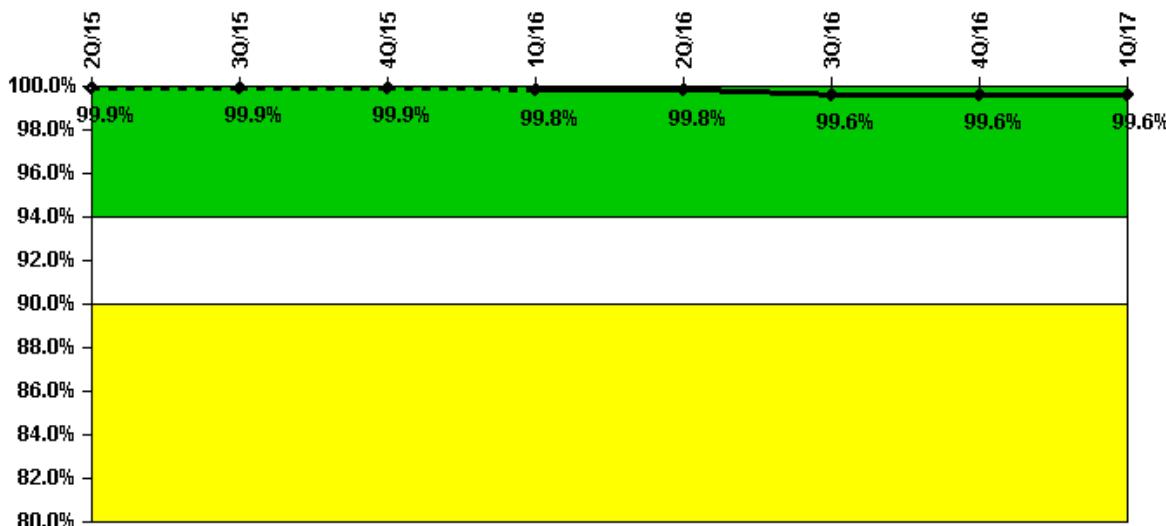
ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	107.0	101.0	105.0	99.0	85.0	85.0	95.0	97.0
Total Key personnel	107.0	101.0	105.0	99.0	85.0	85.0	96.0	97.0

Indicator value      100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 99.0% 100.0%

TOP

**Licensee Comments:**

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

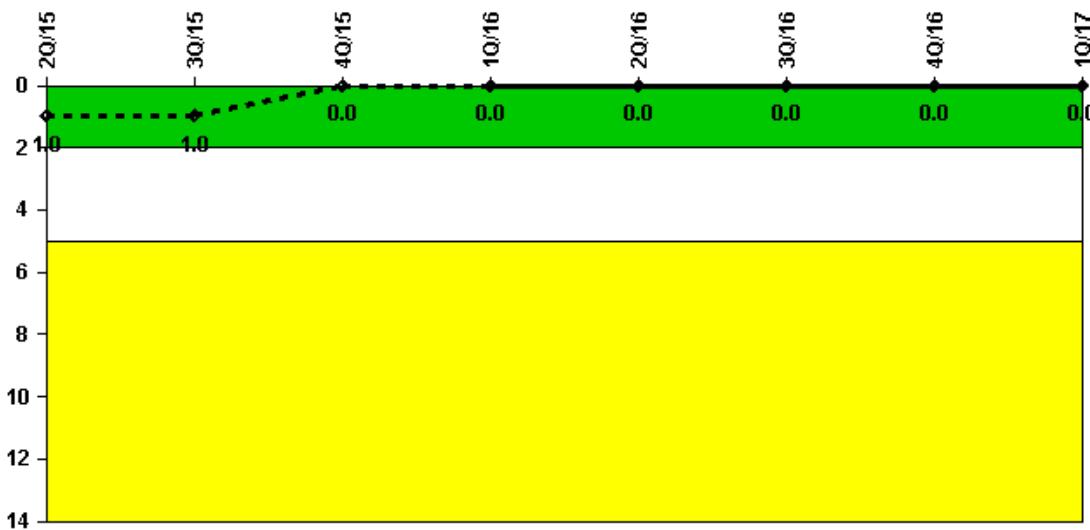
**Notes****Alert & Notification System 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17**

Successful siren-tests	1039	1117	1039	1038	1036	1032	1117	1039
Total sirens-tests	1040	1120	1040	1040	1040	1040	1120	1040

**Indicator value**      **99.9% 99.9% 99.9% 99.8% 99.8% 99.6% 99.6% 99.6%**

TOP

Licensee Comments: none

**Occupational Exposure Control Effectiveness**

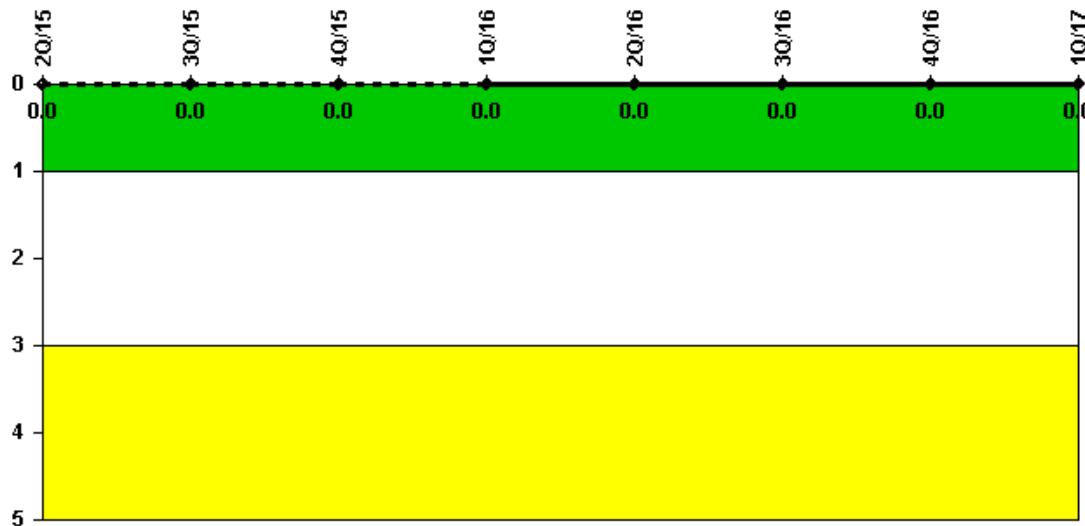
Thresholds: White &gt; 2.0 Yellow &gt; 5.0

**Notes****Occupational Exposure Control Effectiveness**

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
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>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

TOP

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

**RETS/ODCM Radiological Effluent** 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17  
RETS/ODCM occurrences      0      0      0      0      0      0      0      0

**Indicator value**      0      0      0      0      0      0      0      0

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

*Current data as of: May 5, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Hatch 1 > Quarterly Performance Indicators

## Hatch 1 – Quarterly Performance Indicators

### 2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

### **Unplanned Scrams per 7000 Critical Hrs**



**Thresholds:** White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

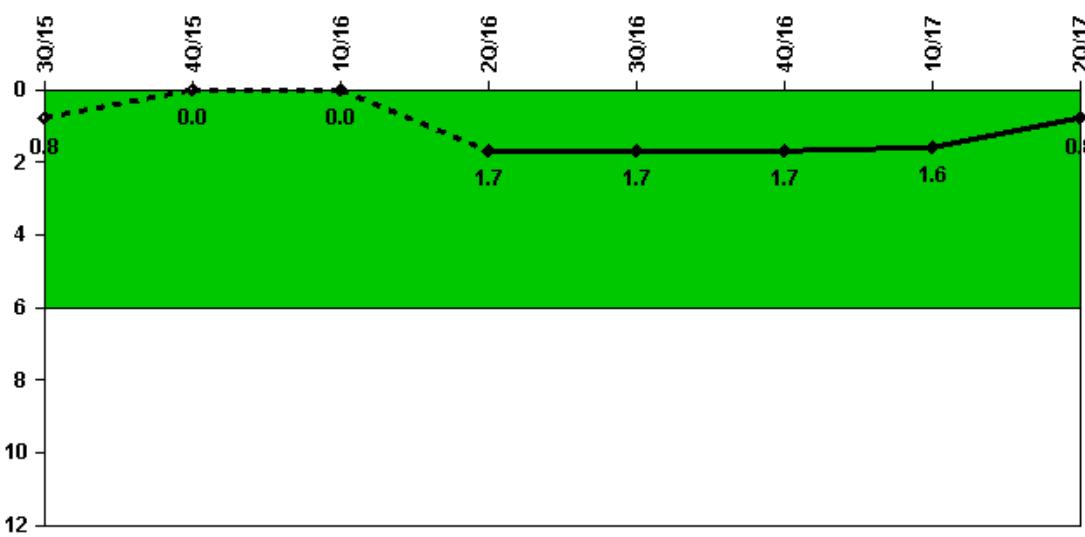
<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3

## Indicator value



Licensee Comments: none

### **Unplanned Power Changes per 7000 Critical Hrs**



**Thresholds: White > 6.0**

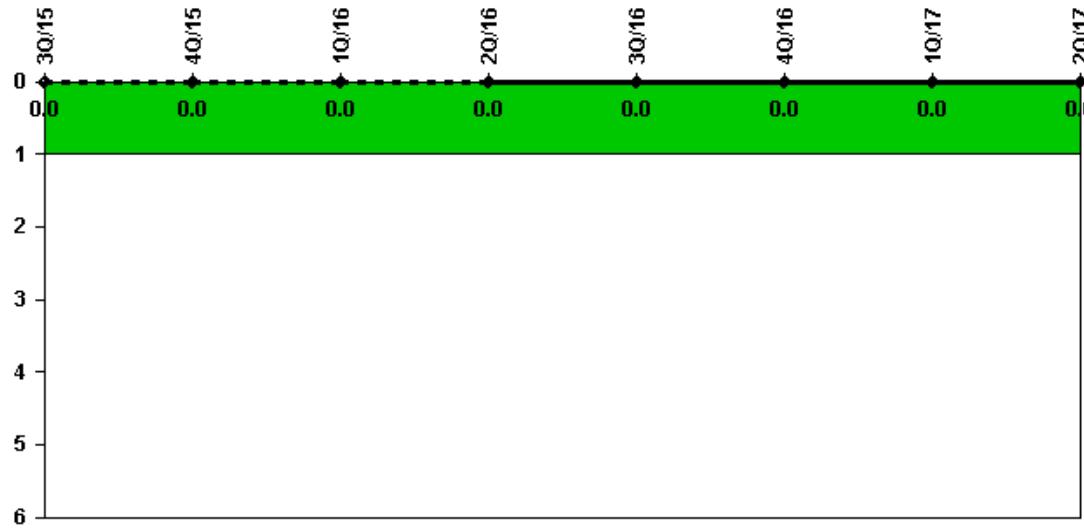
## Notes

<b>Unplanned Power Changes per 7000 Critical Hrs</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>
Unplanned power changes	0	0	0	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3

**Indicator value** **0.8** **0** **0** **1.7** **1.7** **1.7** **1.6** **0.8**



Licensee Comments: none



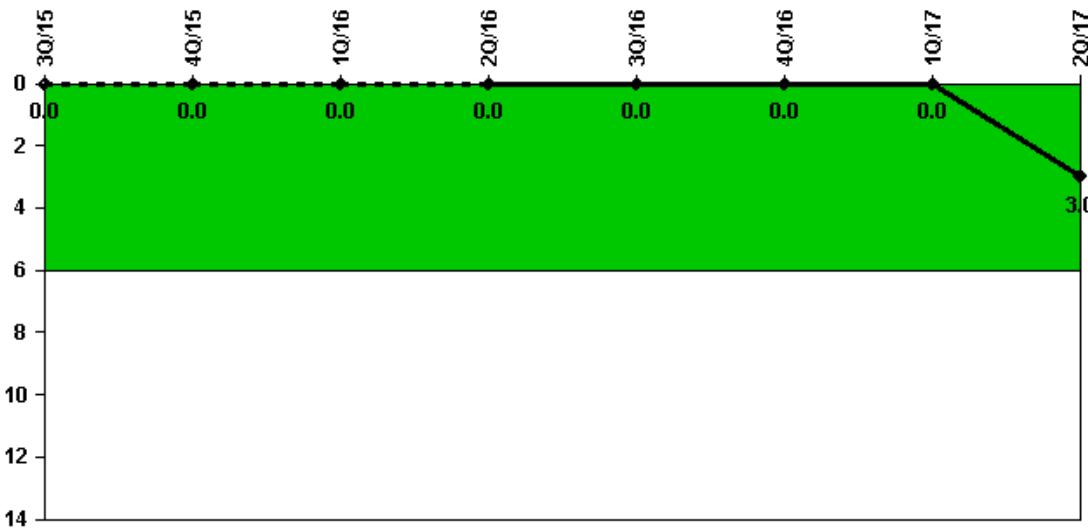
Thresholds: White > 1.0

## Notes

**Indicator value** 0.0 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)** 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17  
Safety System Functional Failures                    0        0        0        0        0        0        0        3

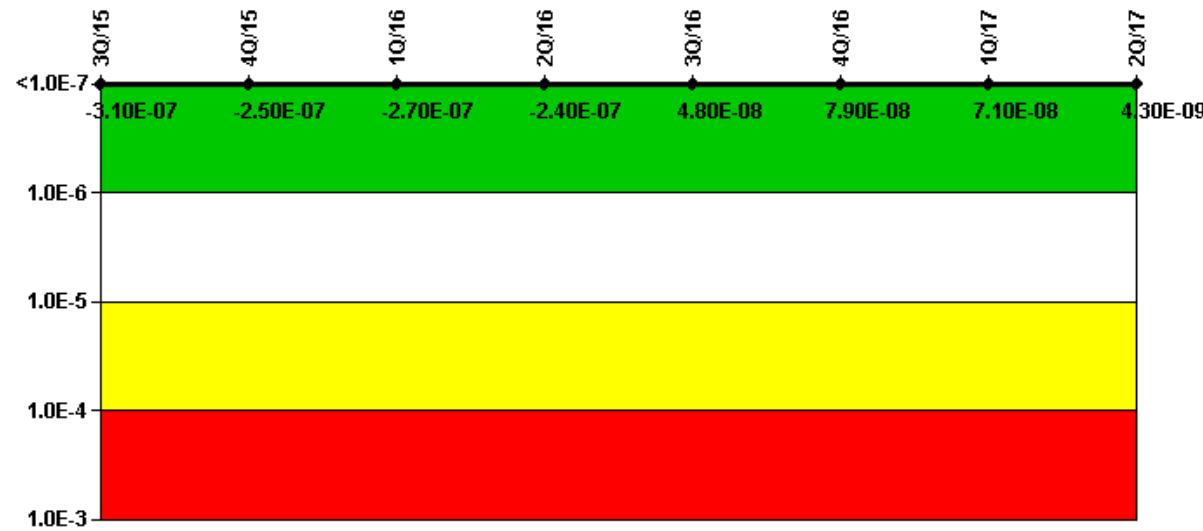
Indicator value                    0        0        0        0        0        0        0        3

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Licensee Comments:

2Q/17: LER's 1-2017-002, 1-2017-003, 1-2017-004

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

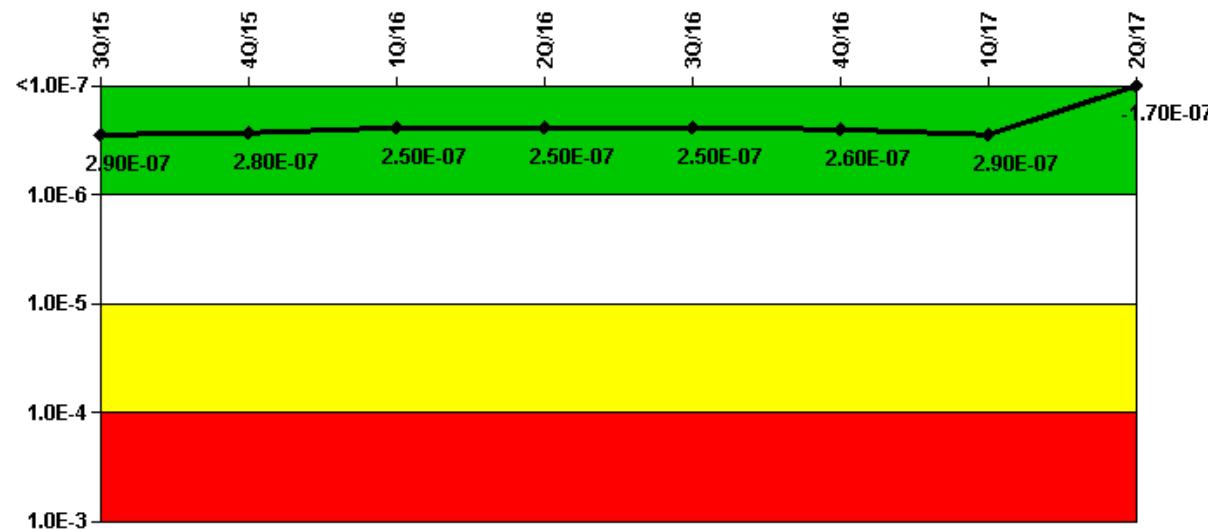
#### Mitigating Systems Performance Index, Emergency AC Power System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	1.26E-09	5.46E-08	5.05E-08	7.56E-08	1.05E-07	1.30E-07	1.15E-07	5.03E-08
URI ( $\Delta$ CDF)	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07	-5.72E-08	-5.12E-08	-4.38E-08	-4.60E-08
PLE	NO							
Indicator value	-3.10E-07	-2.50E-07	-2.70E-07	-2.40E-07	4.80E-08	7.90E-08	7.10E-08	4.30E-09

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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

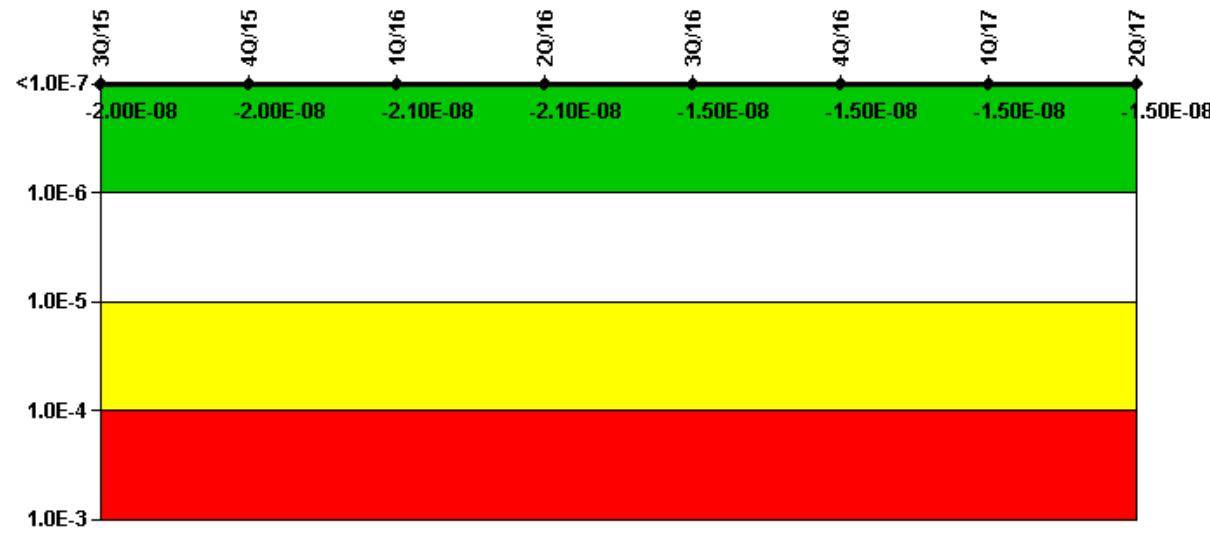
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.03E-08	-7.30E-08
URI ( $\Delta$ CDF)	3.65E-07	3.51E-07	3.25E-07	3.25E-07	3.25E-07	3.38E-07	3.65E-07	-1.02E-07
PLE	NO							
Indicator value	2.90E-07	2.80E-07	2.50E-07	2.50E-07	2.50E-07	2.60E-07	2.90E-07	-1.70E-07

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### Licensee Comments:

1Q/17: One event related to an inverter power supply failure is under evaluation.

### Mitigating Systems Performance Index, Heat Removal System



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

#### Notes

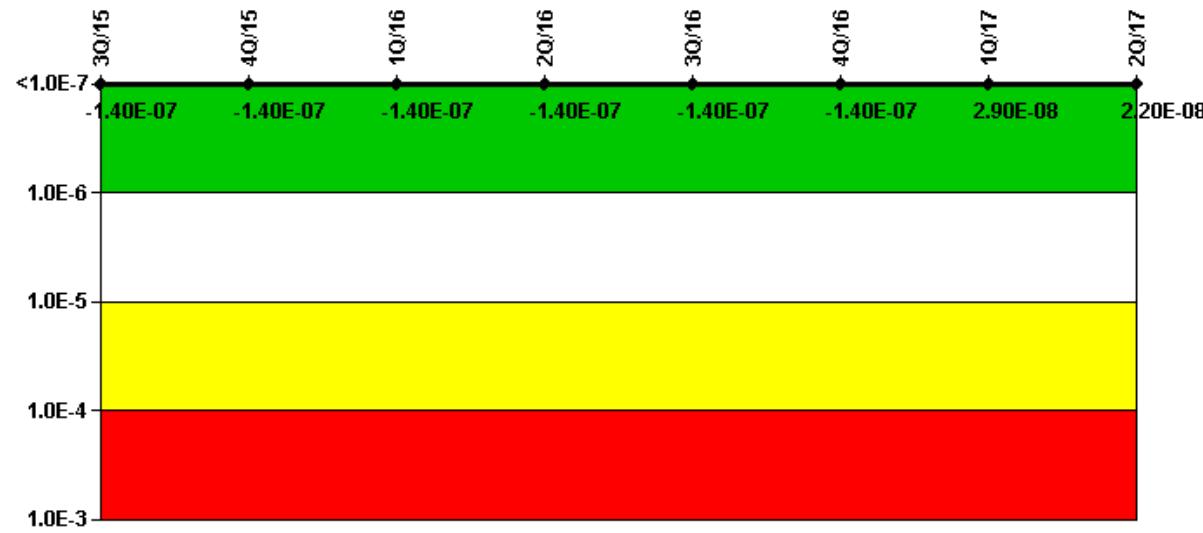
##### Mitigating Systems Performance Index, Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	-7.00E-09	-7.00E-09	-7.00E-09	-7.00E-09	6.28E-11	-1.29E-11	-6.50E-10	-4.01E-10
URI ( $\Delta$ CDF)	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.51E-08	-1.51E-08	-1.44E-08	-1.43E-08
PLE	NO							
Indicator value	-2.00E-08	-2.00E-08	-2.10E-08	-2.10E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08

▲ TOP

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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-9.60E-09	-9.58E-09
URI ( $\Delta$ CDF)	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07	-1.26E-07	-1.24E-07	3.84E-08	3.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>2.90E-08</b>	<b>2.20E-08</b>

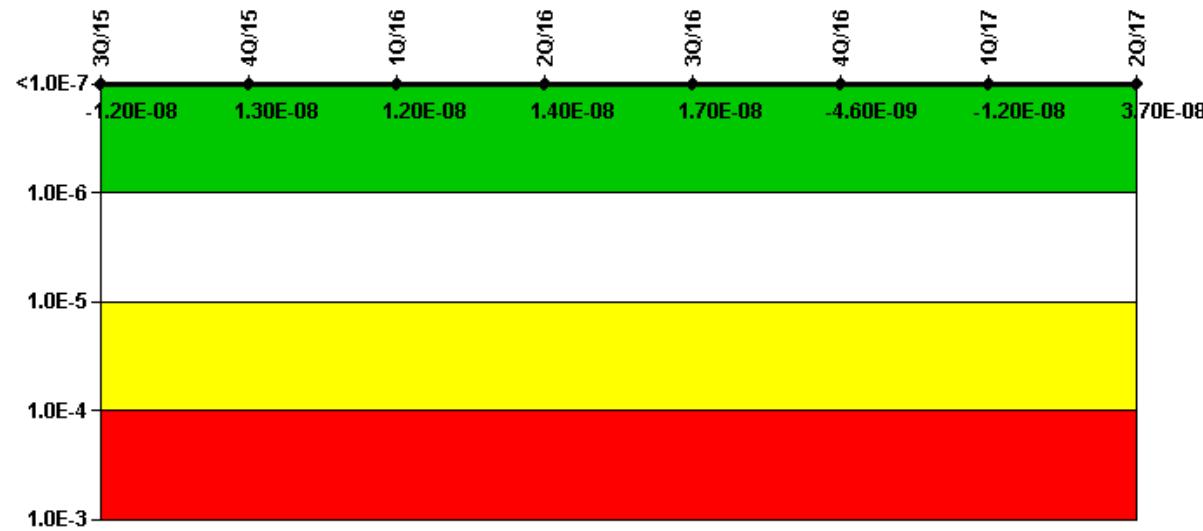
▲ TOP

#### Licensee Comments:

1Q/17: Engineering evaluation determined one valve demand failure for March 2017 but no additional failures.

1Q/17: Subsequent failures of the minimum flow valve are under evaluation as potential additional failures.

### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

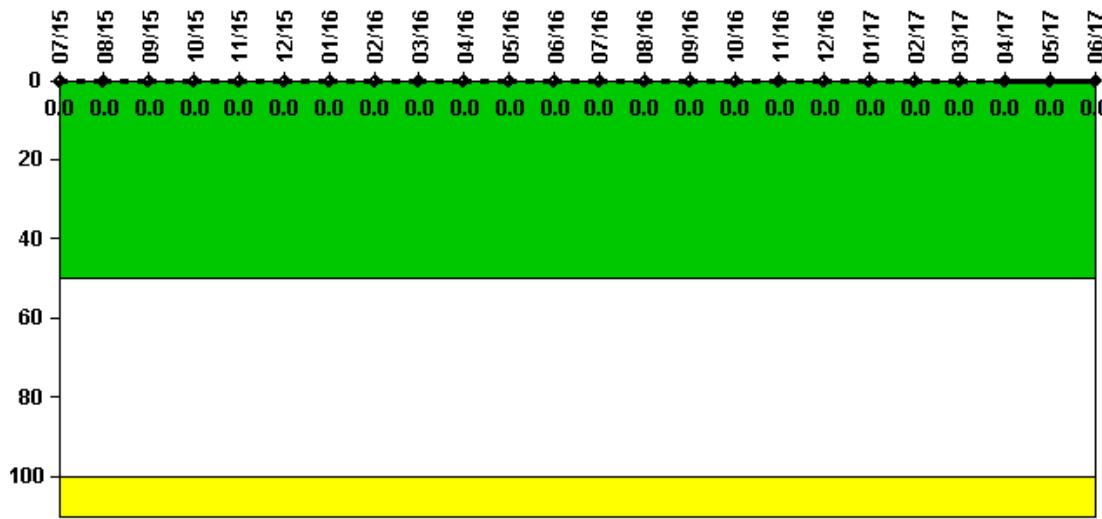
#### Mitigating Systems Performance Index, Cooling Water Systems

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	7.27E-08	9.78E-08	9.93E-08	1.01E-07	1.06E-07	8.29E-08	7.97E-08	1.27E-07
URI ( $\Delta$ CDF)	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08	-8.92E-08	-8.75E-08	-9.14E-08	-8.98E-08
PLE	NO							
Indicator value	-1.20E-08	1.30E-08	1.20E-08	1.40E-08	1.70E-08	-4.60E-09	-1.20E-08	3.70E-08

▲ TOP

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003
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	0
Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000003	0.000006	0.000005	0.000004	0.000005	0.000007	0.000004	0.000003	0.000003	0.000004	0.000008	0.000007

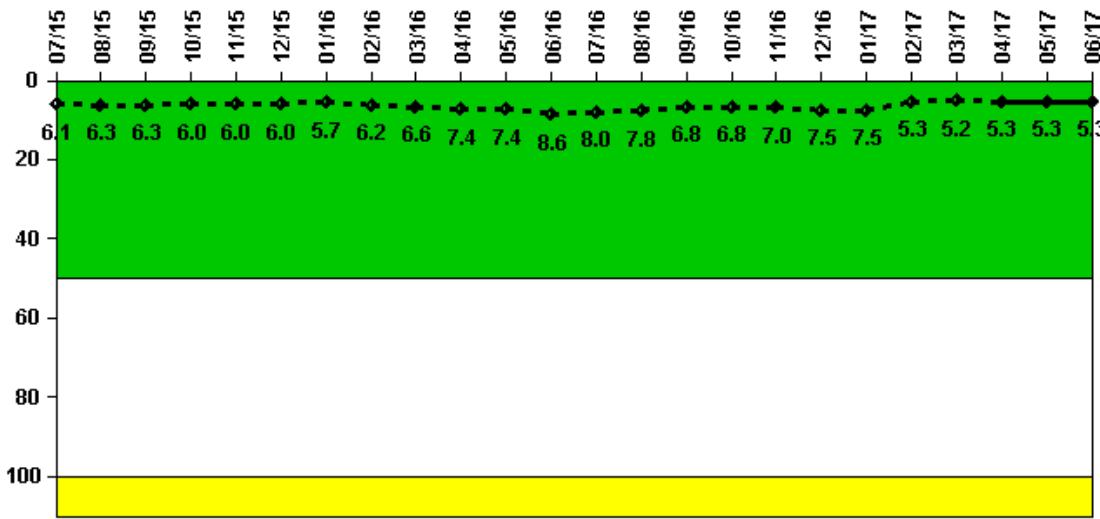
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
-----------------	---	---	---	---	---	---	---	---	---	---	---	---



Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

**Reactor Coolant System Leakage** 7/15 8/15 9/15 10/15 11/15 12/15 1/16 2/16 3/16 4/16 5/16 6/16

Maximum leakage 1.840 1.880 1.890 1.800 1.800 1.800 1.720 1.850 1.990 2.220 2.230 2.580

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** 6.1 6.3 6.3 6.0 6.0 6.0 5.7 6.2 6.6 7.4 7.4 8.6

**Reactor Coolant System Leakage** 7/16 8/16 9/16 10/16 11/16 12/16 1/17 2/17 3/17 4/17 5/17 6/17

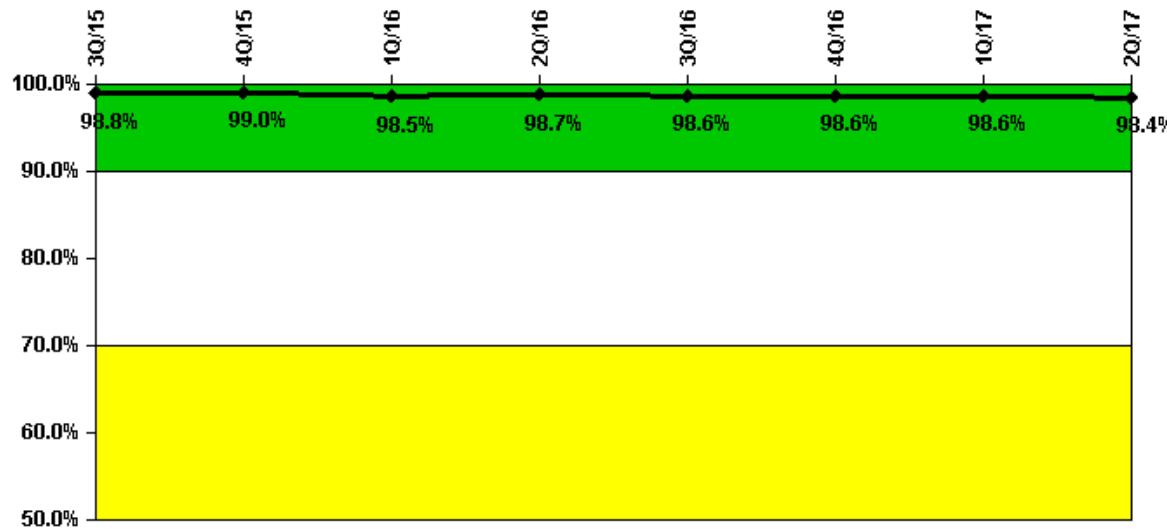
Maximum leakage 2.400 2.350 2.050 2.050 2.100 2.260 2.260 1.580 1.550 1.580 1.580 1.590

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** 8.0 7.8 6.8 6.8 7.0 7.5 7.5 5.3 5.2 5.3 5.3 5.3

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Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

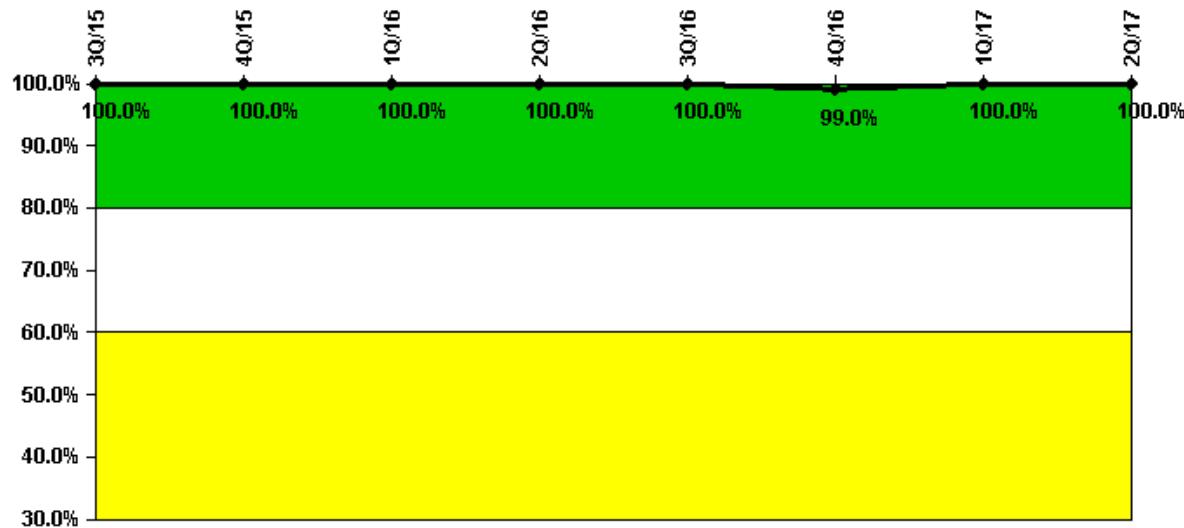
Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	58.0	41.0	22.0	55.0	53.0	36.0	24.0	27.0
Total opportunities	58.0	42.0	24.0	55.0	53.0	36.0	24.0	29.0

Indicator value      **98.8% 99.0% 98.5% 98.7% 98.6% 98.6% 98.6% 98.4%**

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**Licensee Comments:**

1Q/17: The values for March 2017 were changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

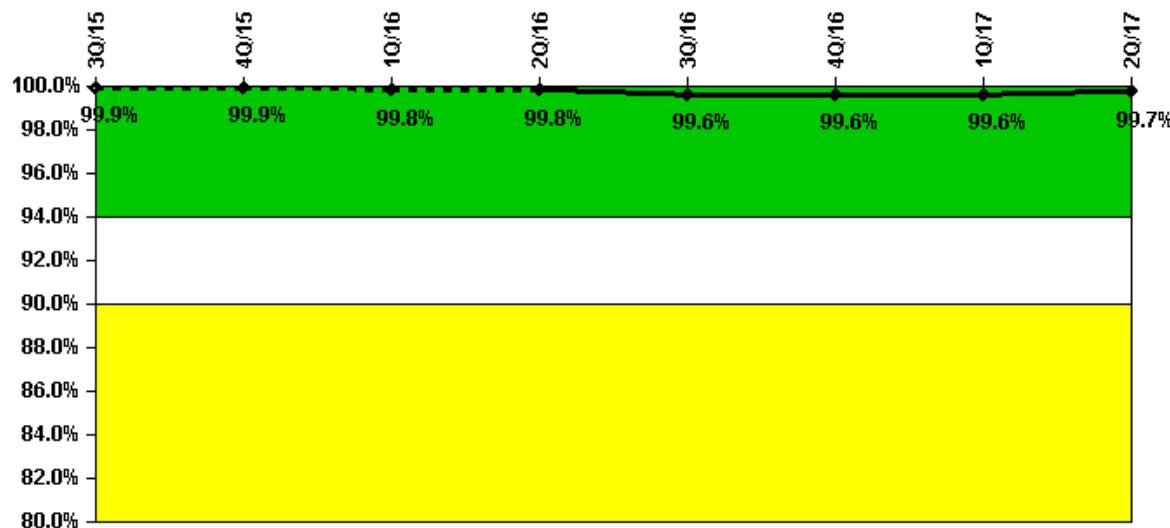
ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	101.0	105.0	99.0	85.0	85.0	95.0	97.0	86.0
Total Key personnel	101.0	105.0	99.0	85.0	85.0	96.0	97.0	86.0

Indicator value      100.0% 100.0% 100.0% 100.0% 100.0% 99.0% 100.0% 100.0%

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**Licensee Comments:**

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

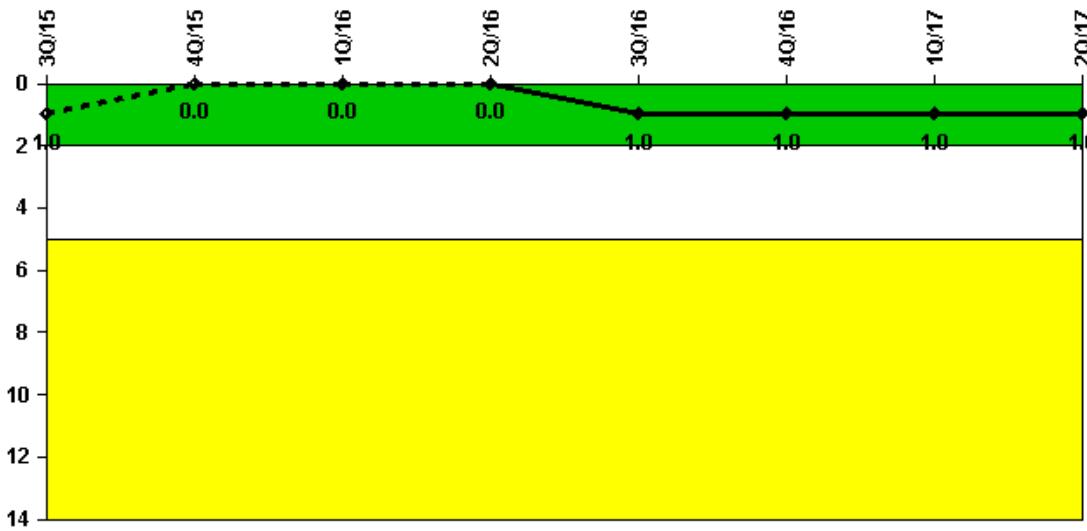
**Notes****Alert & Notification System 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17**

Successful siren-tests	1117	1039	1038	1036	1032	1117	1039	1039
Total sirens-tests	1120	1040	1040	1040	1040	1120	1040	1040

**Indicator value**      **99.9% 99.9% 99.8% 99.8% 99.6% 99.6% 99.6% 99.7%**

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Licensee Comments: none

**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

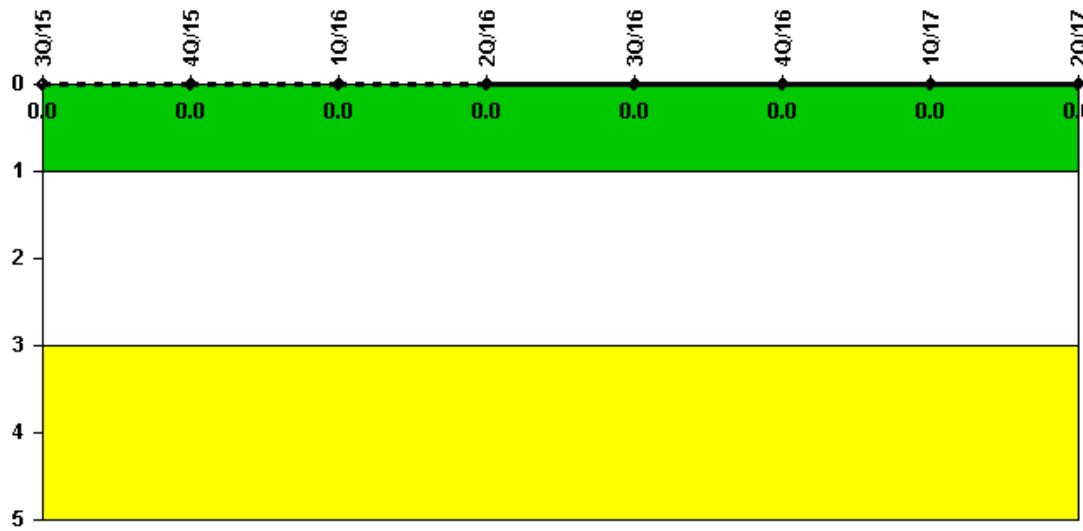
**Notes****Occupational Exposure Control Effectiveness**

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	0	1	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>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

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**Licensee Comments:**

3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

**RETS/ODCM Radiological Effluent** 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17  
RETS/ODCM occurrences      0      0      0      0      0      0      0      0

**Indicator value**      0      0      0      0      0      0      0      0

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

*Current data as of: July 26, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Hatch 1 > Quarterly Performance Indicators

## Hatch 1 – Quarterly Performance Indicators

### 3Q/2017 Performance Indicators

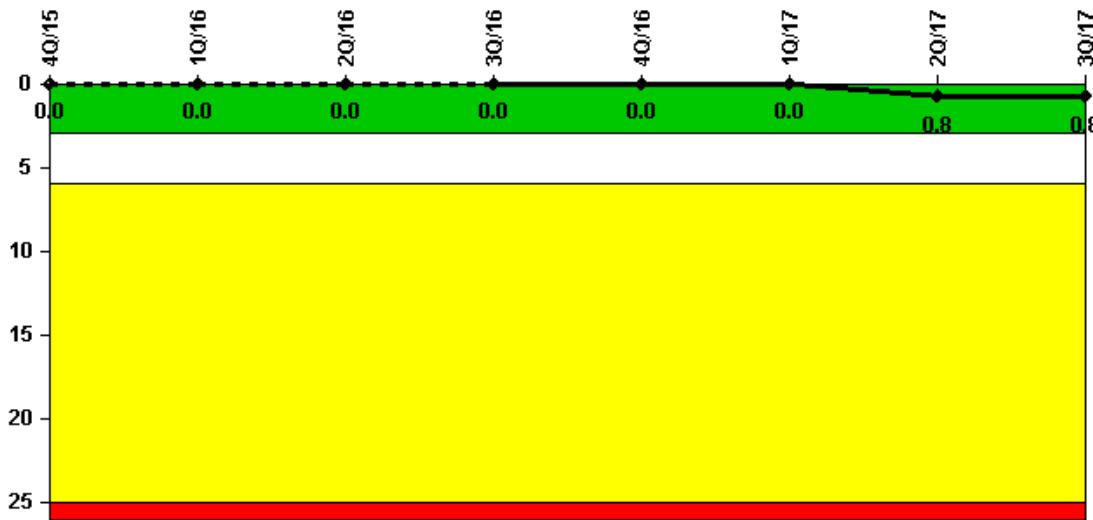
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

### **Unplanned Scrams per 7000 Critical Hrs**



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

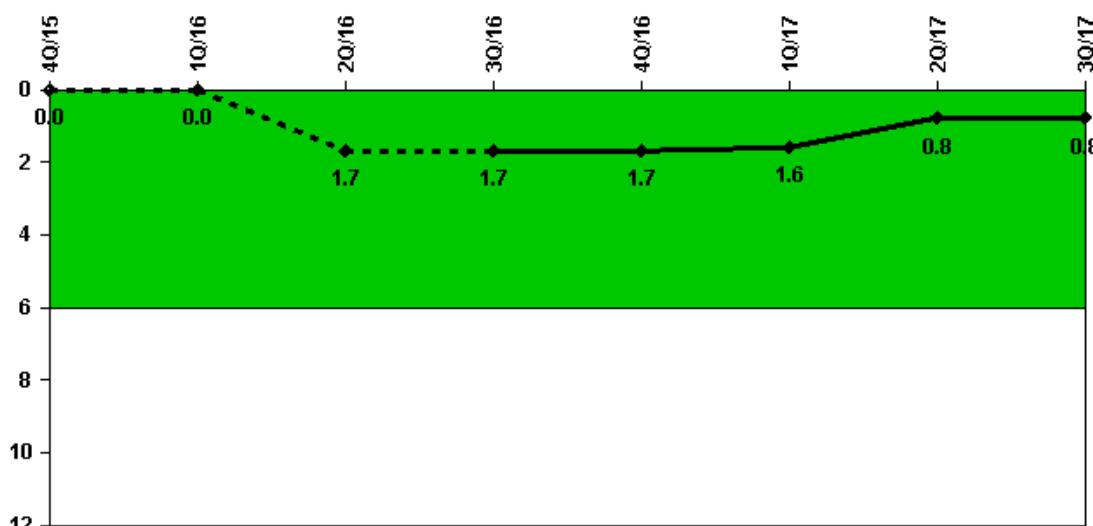
<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>	<b>3Q/17</b>
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3	2208.0

### Indicator value



Licensee Comments: none

### **Unplanned Power Changes per 7000 Critical Hrs**



Thresholds: White > 6.0

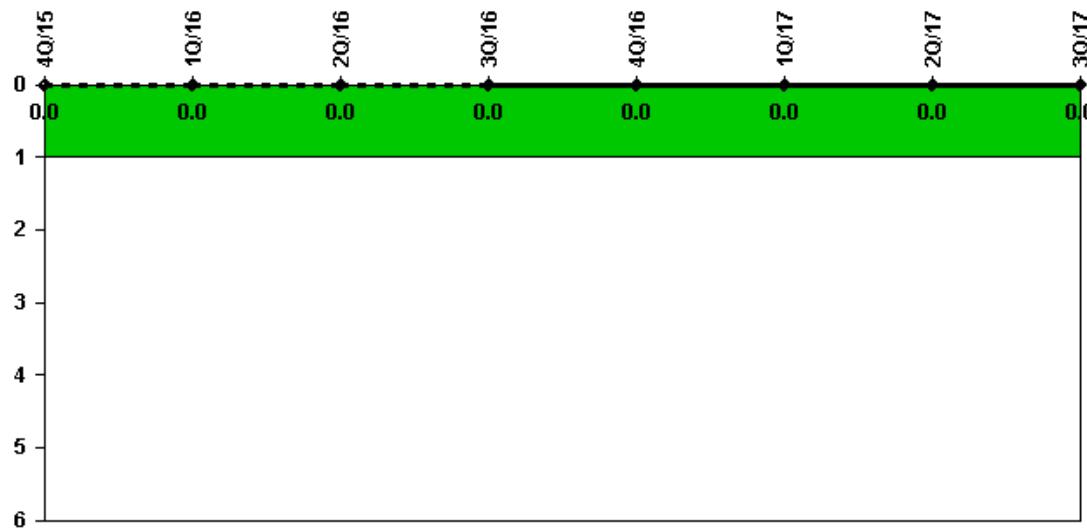
## Notes

<b>Unplanned Power Changes per 7000 Critical Hrs</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>	<b>3Q/17</b>
Unplanned power changes	0	0	2.0	0	0	0	1.0	0
Critical hours	2209.0	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3	2208.0

**Indicator value** **0** **0** **1.7** **1.7** **1.7** **1.6** **0.8** **0.8**



Licensee Comments: none



Thresholds: White > 1.0

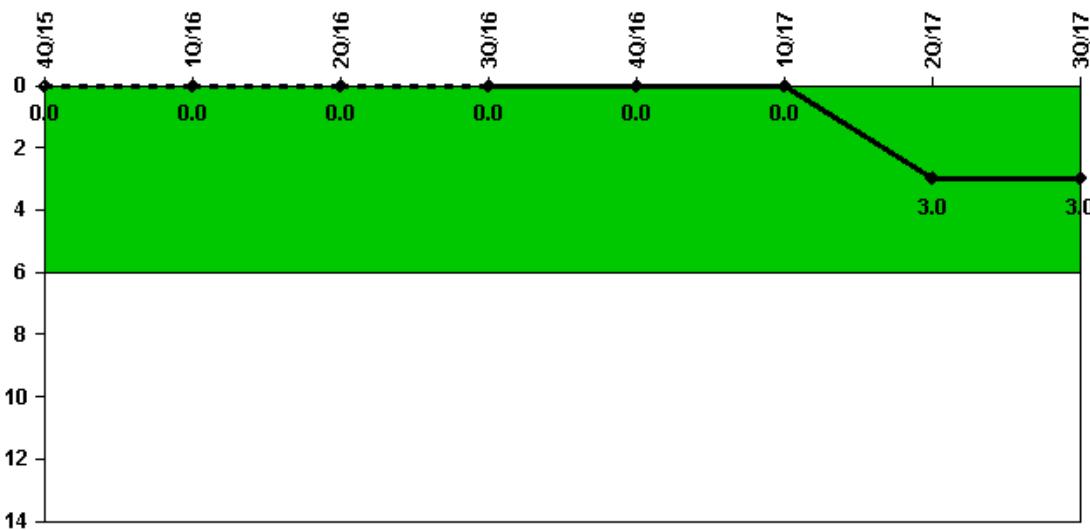
## Notes

**Unplanned Scrums with Complications** 4Q/151Q/162Q/163Q/164Q/161Q/172Q/173Q/174Q  
Scrums 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)** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17  
Safety System Functional Failures                    0        0        0        0        0        0        3        0

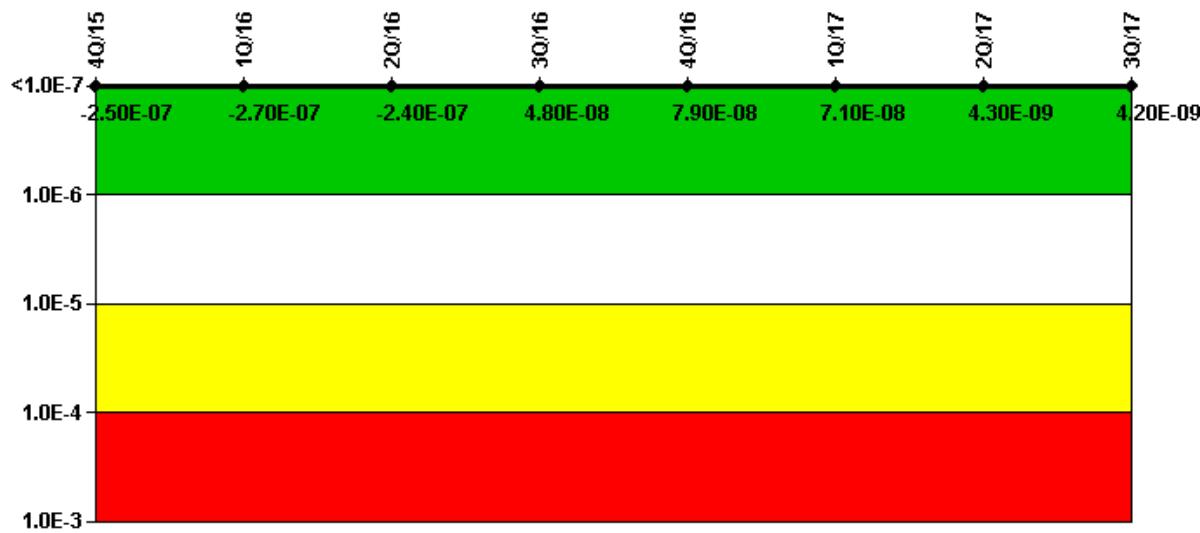
Indicator value                    0        0        0        0        0        0        3        3

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Licensee Comments:

2Q/17: LER's 1-2017-002, 1-2017-003, 1-2017-004

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

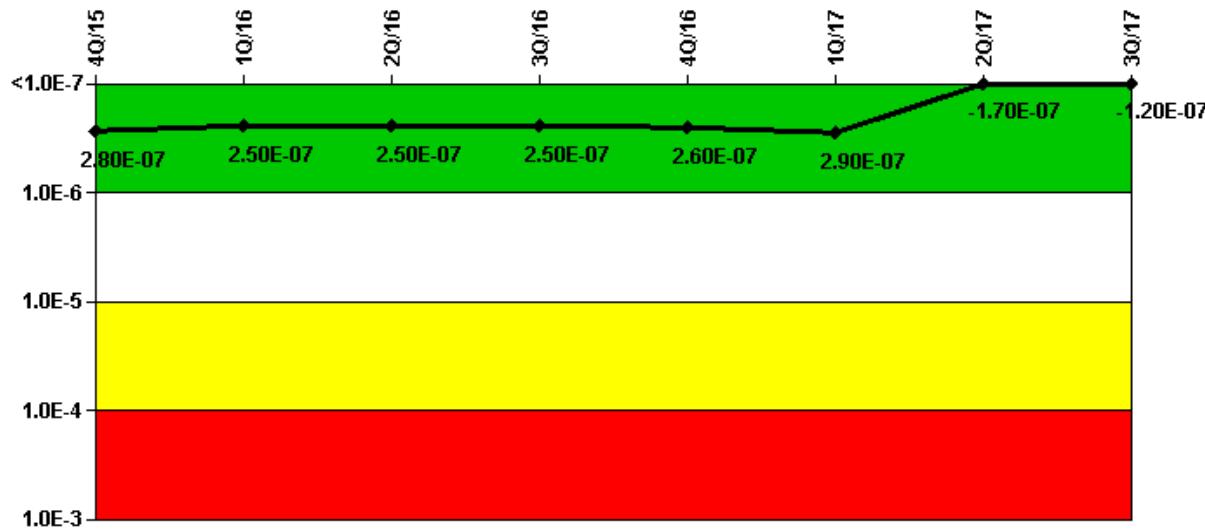
#### Mitigating Systems Performance Index, Emergency AC Power System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	5.46E-08	5.05E-08	7.56E-08	1.05E-07	1.30E-07	1.15E-07	5.03E-08	5.02E-08
URI ( $\Delta$ CDF)	-3.08E-07	-3.22E-07	-3.14E-07	-5.72E-08	-5.12E-08	-4.38E-08	-4.60E-08	-4.60E-08
PLE	NO							
Indicator value	-2.50E-07	-2.70E-07	-2.40E-07	4.80E-08	7.90E-08	7.10E-08	4.30E-09	4.20E-09

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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

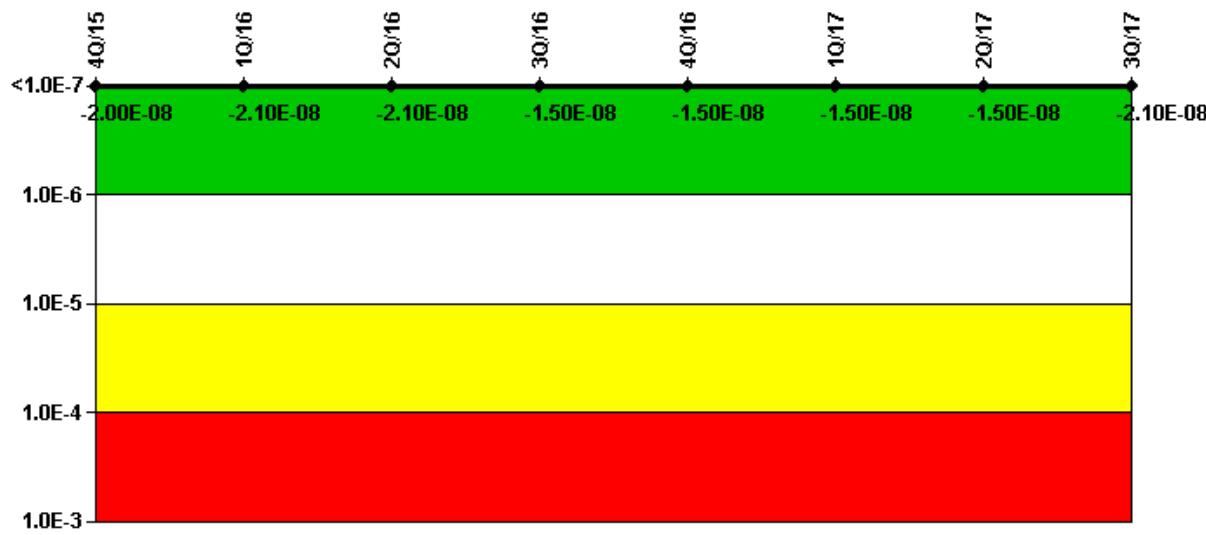
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.03E-08	-7.30E-08	-1.22E-08
URI ( $\Delta$ CDF)	3.51E-07	3.25E-07	3.25E-07	3.25E-07	3.38E-07	3.65E-07	-1.02E-07	-1.07E-07
PLE	NO							
Indicator value	2.80E-07	2.50E-07	2.50E-07	2.50E-07	2.60E-07	2.90E-07	-1.70E-07	-1.20E-07

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### Licensee Comments:

1Q/17: One event related to an inverter power supply failure is under evaluation.

### Mitigating Systems Performance Index, Heat Removal System



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

#### Notes

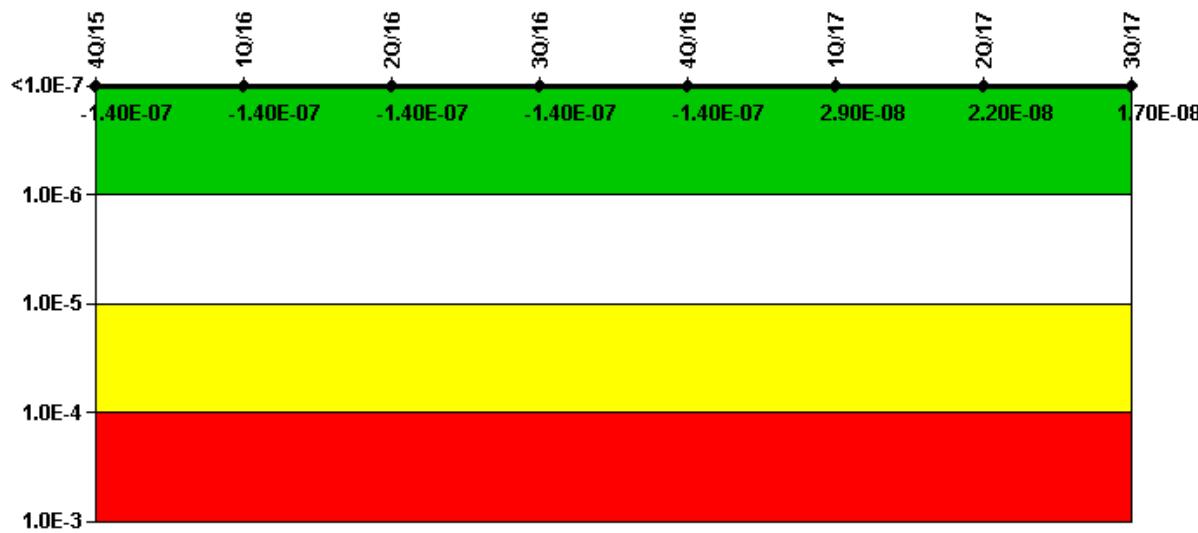
##### Mitigating Systems Performance Index, Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	-7.00E-09	-7.00E-09	-7.00E-09	6.28E-11	-1.29E-11	-6.50E-10	-4.01E-10	-7.00E-09
URI ( $\Delta$ CDF)	-1.30E-08	-1.44E-08	-1.44E-08	-1.51E-08	-1.51E-08	-1.44E-08	-1.43E-08	-1.37E-08
PLE	NO							
Indicator value	-2.00E-08	-2.10E-08	-2.10E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-2.10E-08

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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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-9.60E-09	-9.58E-09	-9.58E-09
URI ( $\Delta$ CDF)	-1.23E-07	-1.25E-07	-1.27E-07	-1.26E-07	-1.24E-07	3.84E-08	3.19E-08	2.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>2.90E-08</b>	<b>2.20E-08</b>	<b>1.70E-08</b>

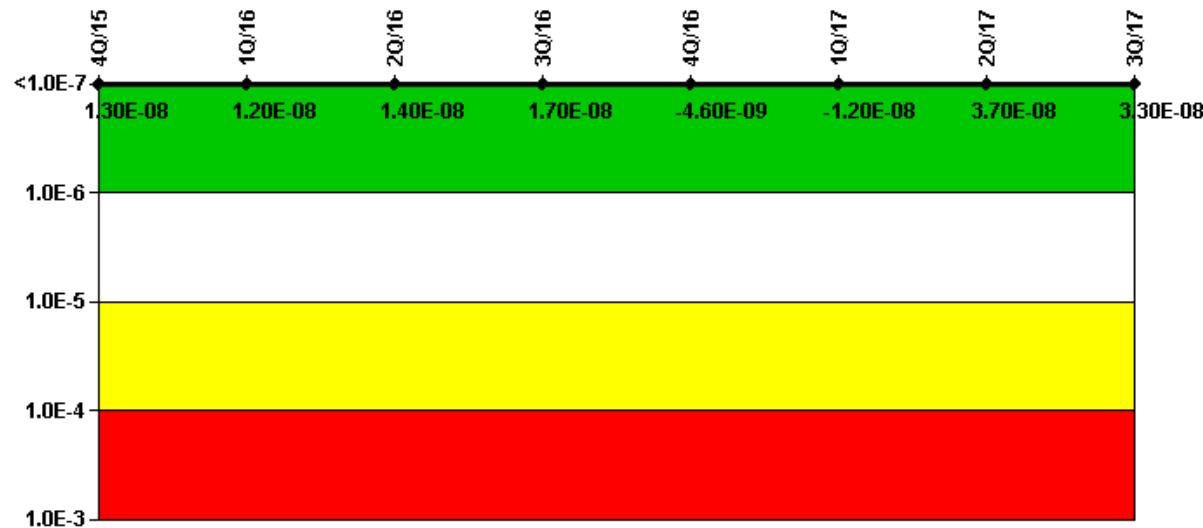
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#### Licensee Comments:

1Q/17: Engineering evaluation determined one valve demand failure for March 2017 but no additional failures.

1Q/17: Subsequent failures of the minimum flow valve are under evaluation as potential additional failures.

## Mitigating Systems Performance Index, Cooling Water Systems



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

## Notes

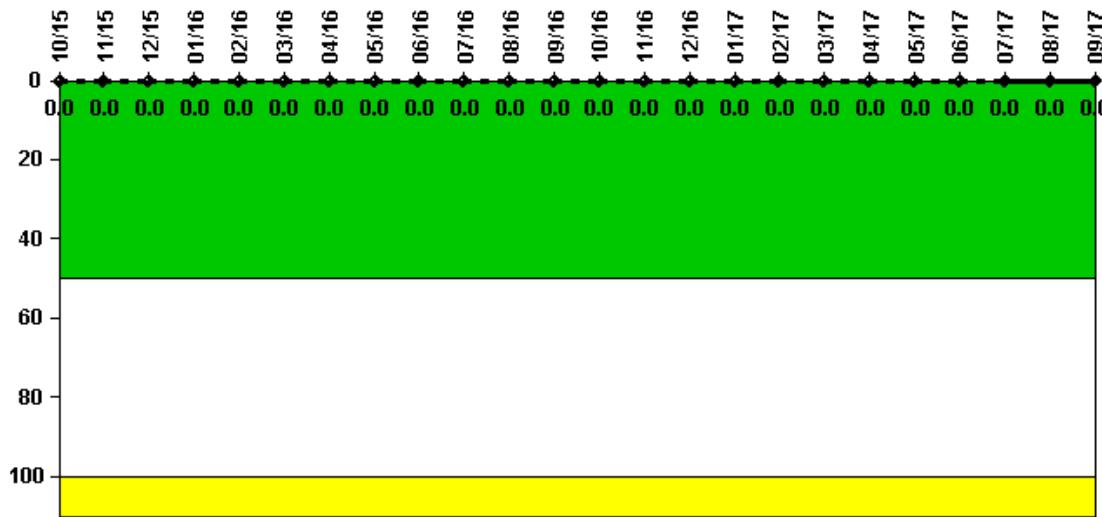
## Mitigating Systems Performance Index, Cooling

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
<b>Water Systems</b>								
UAI ( $\Delta$ CDF)	9.78E-08	9.93E-08	1.01E-07	1.06E-07	8.29E-08	7.97E-08	1.27E-07	1.22E-07
URI ( $\Delta$ CDF)	-8.48E-08	-8.68E-08	-8.77E-08	-8.92E-08	-8.75E-08	-9.14E-08	-8.98E-08	-8.90E-08
PLE	NO							
<b>Indicator value</b>					-4.60E-09	-1.20E-08	3.70E-08	3.30E-08
	1.30E-08	1.20E-08	1.40E-08	1.70E-08				

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Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

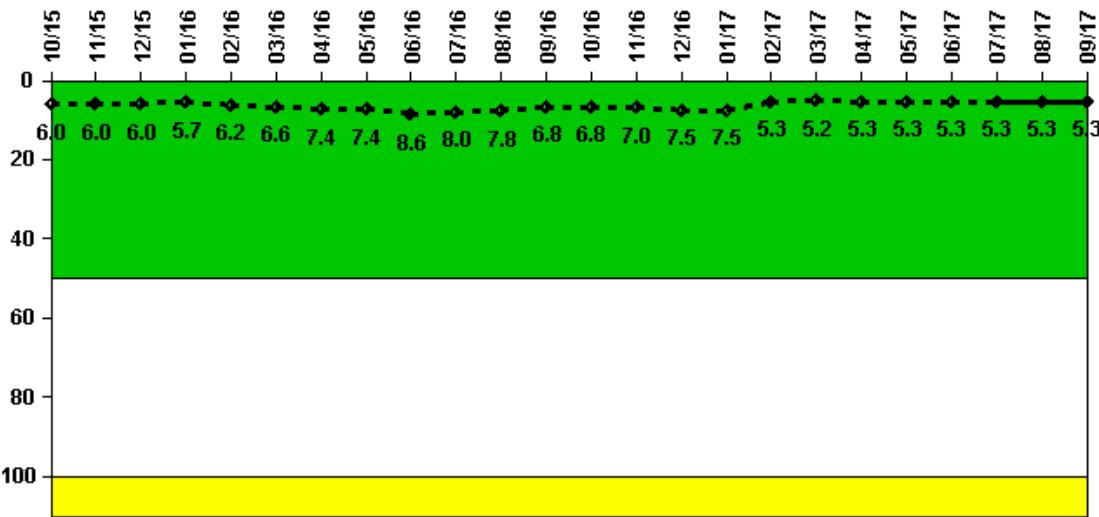
#### Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003	0.000003	0.000006	0.000005
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	0
Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000004	0.000005	0.000007	0.000004	0.000003	0.000003	0.000004	0.000008	0.000007	0.000012	0.000005	0.000006
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	0

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Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

##### Reactor Coolant System Leakage 10/15 11/15 12/15 1/16 2/16 3/16 4/16 5/16 6/16 7/16 8/16 9/16

Maximum leakage 1.800 1.800 1.800 1.720 1.850 1.990 2.220 2.230 2.580 2.400 2.350 2.050

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 6.0 6.0 6.0 5.7 6.2 6.6 7.4 7.4 8.6 8.0 7.8 6.8

##### Reactor Coolant System Leakage 10/16 11/16 12/16 1/17 2/17 3/17 4/17 5/17 6/17 7/17 8/17 9/17

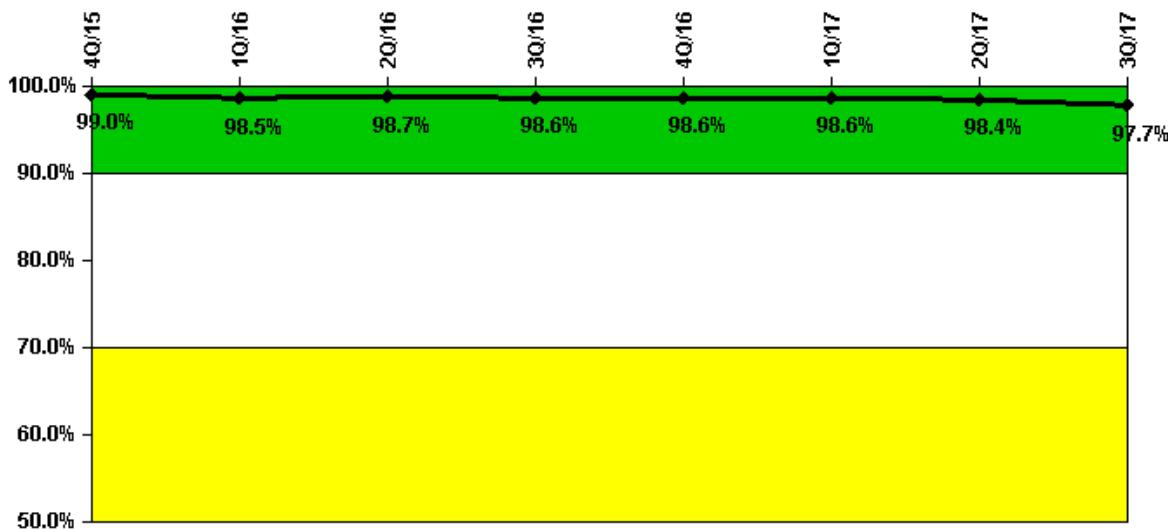
Maximum leakage 2.050 2.100 2.260 2.260 1.580 1.550 1.580 1.580 1.590 1.590 1.590 1.590

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 6.8 7.0 7.5 7.5 5.3 5.2 5.3 5.3 5.3 5.3 5.3 5.3

TOP

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	41.0	22.0	55.0	53.0	36.0	24.0	27.0	41.0
Total opportunities	42.0	24.0	55.0	53.0	36.0	24.0	29.0	43.0

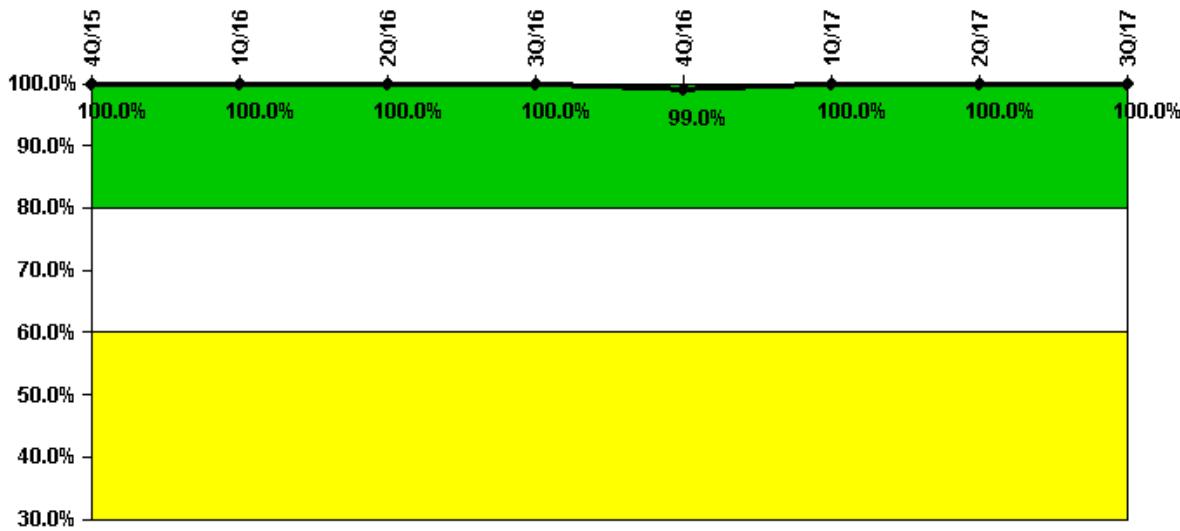
Indicator value      **99.0% 98.5% 98.7% 98.6% 98.6% 98.6% 98.4% 97.7%**

TOP

## Licensee Comments:

1Q/17: The values for March 2017 were changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	105.0	99.0	85.0	85.0	95.0	97.0	86.0	88.0
Total Key personnel	105.0	99.0	85.0	85.0	96.0	97.0	86.0	88.0

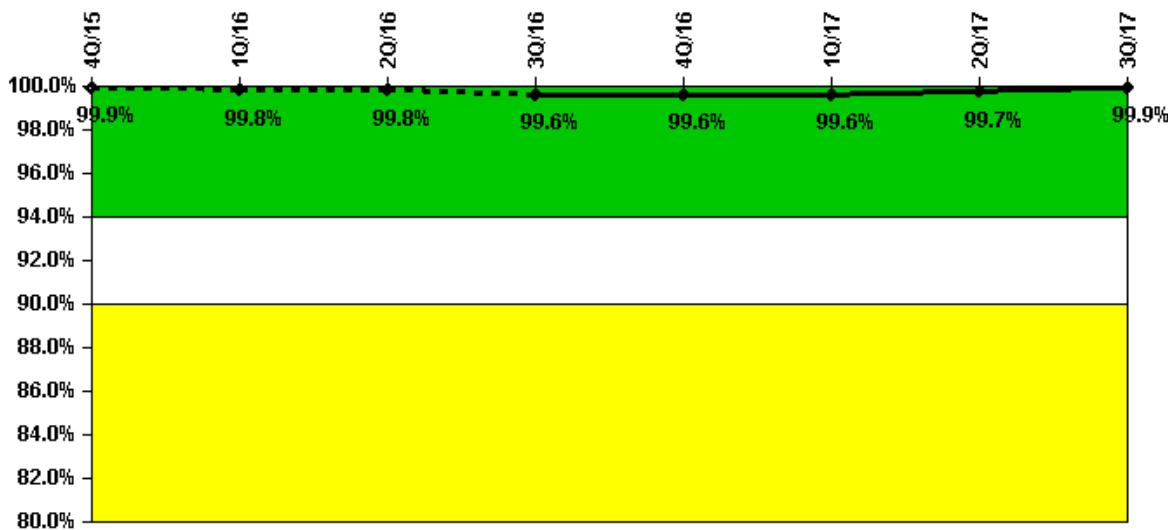
Indicator value      100.0% 100.0% 100.0% 100.0% 99.0% 100.0% 100.0% 100.0%

TOP

#### Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

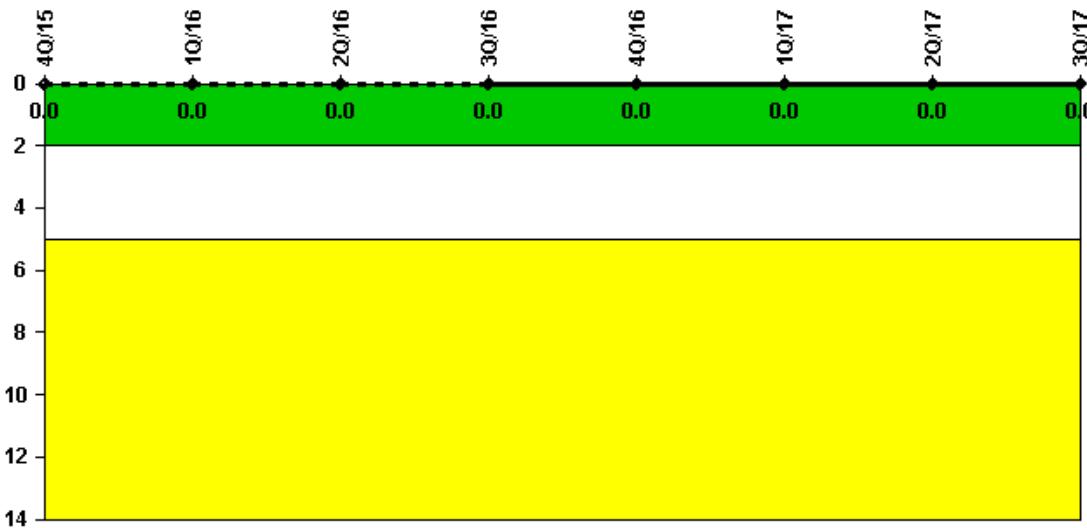
Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1039	1038	1036	1032	1117	1039	1039	1039
Total sirens-tests	1040	1040	1040	1040	1120	1040	1040	1040

Indicator value      99.9% 99.8% 99.8% 99.6% 99.6% 99.6% 99.7% 99.9%

TOP

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

#### Occupational Exposure Control Effectiveness 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

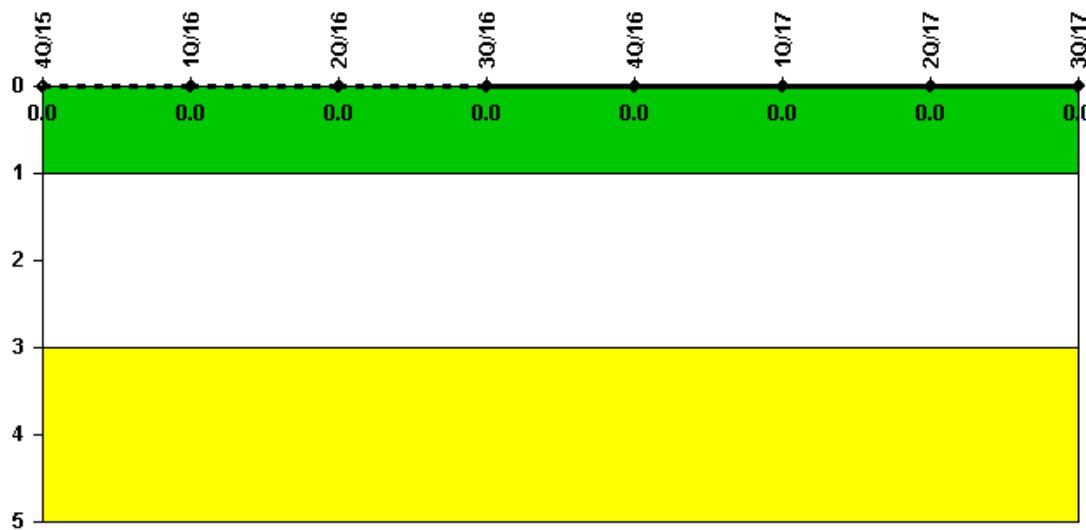
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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#### Licensee Comments:

3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator. Update 09/20/2017, changed value from 1 to 0. Dose rate was < 1 rem/hr. Change does not affect color.

3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

**RETS/ODCM Radiological Effluent** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17  
RETS/ODCM occurrences      0      0      0      0      0      0      0      0

**Indicator value**      0      0      0      0      0      0      0      0

▲ TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

*Current data as of: October 31, 2017*

*Page Last Reviewed/Updated Monday, November 06, 2017*



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Hatch 1 > Quarterly Performance Indicators

## Hatch 1 – Quarterly Performance Indicators

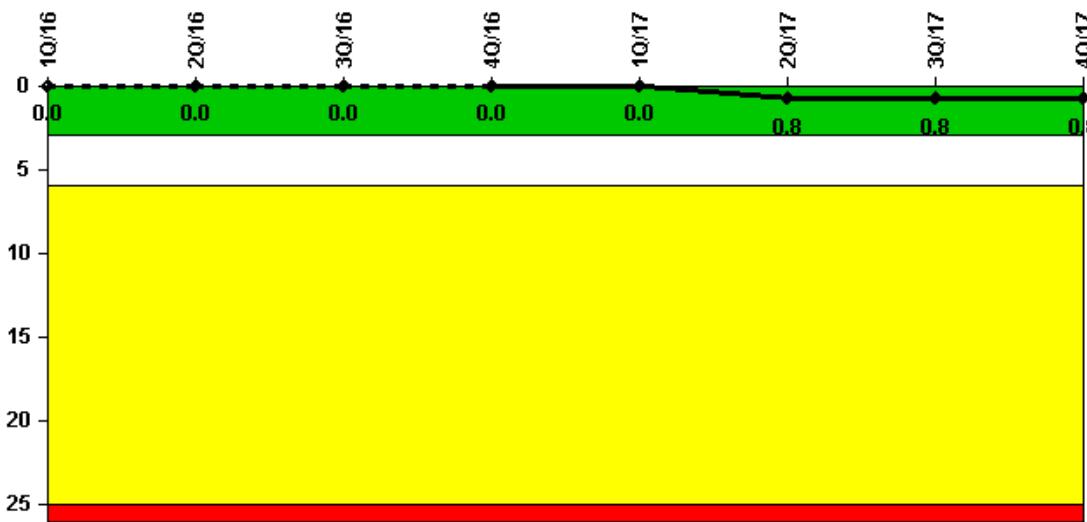
### 4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

**Unplanned Scrams per 7000 Critical Hrs**

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

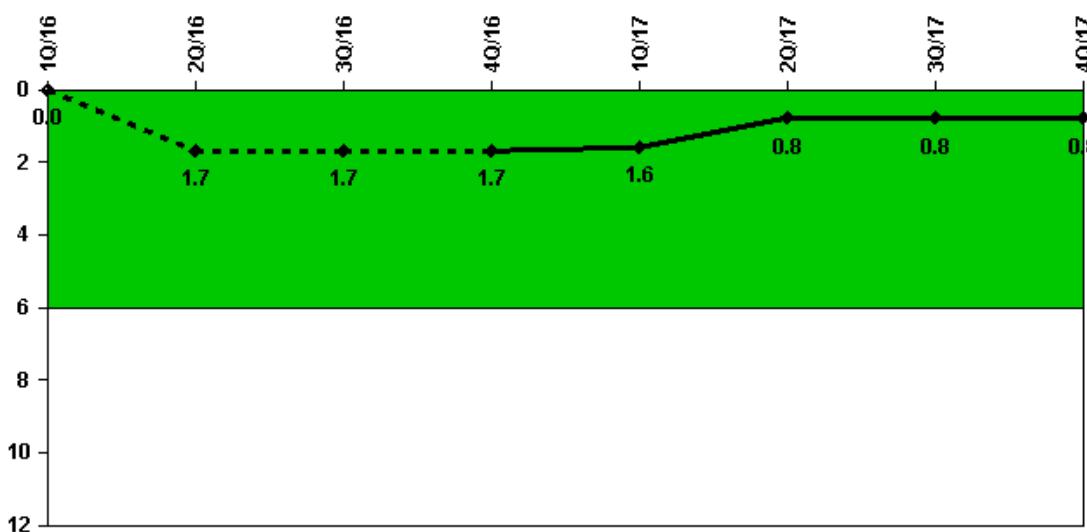
**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3	2208.0	2209.0

Indicator value	0	0	0	0	0	0.8	0.8	0.8



Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

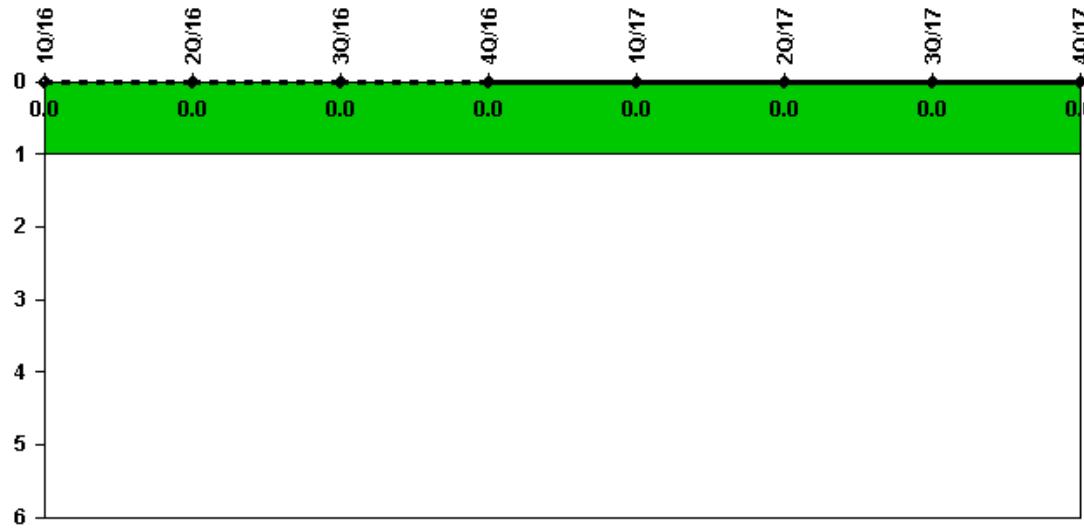
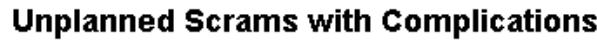
## Notes

<b>Unplanned Power Changes per 7000 Critical Hrs</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>	<b>3Q/17</b>	<b>4Q/17</b>
Unplanned power changes	0	2.0	0	0	0	1.0	0	0
Critical hours	1586.3	2145.6	2208.0	2209.0	2120.5	1947.3	2208.0	2209.0

**Indicator value** **0** **1.7** **1.7** **1.7** **1.6** **0.8** **0.8** **0.8**



Licensee Comments: none



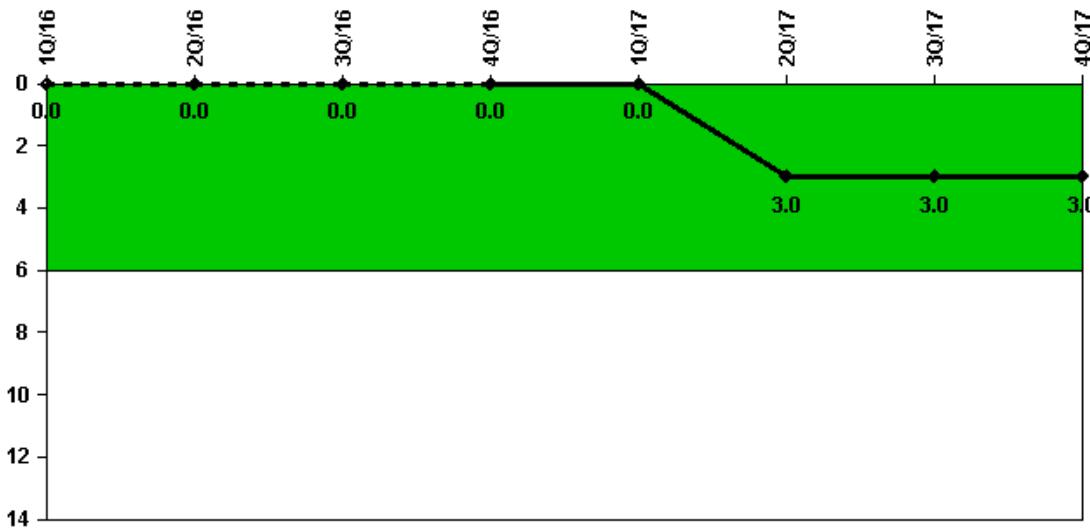
Thresholds: White > 1.0

## Notes

**Indicator value** 0.0 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)** 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17  
Safety System Functional Failures                    0        0        0        0        0        3        0        0

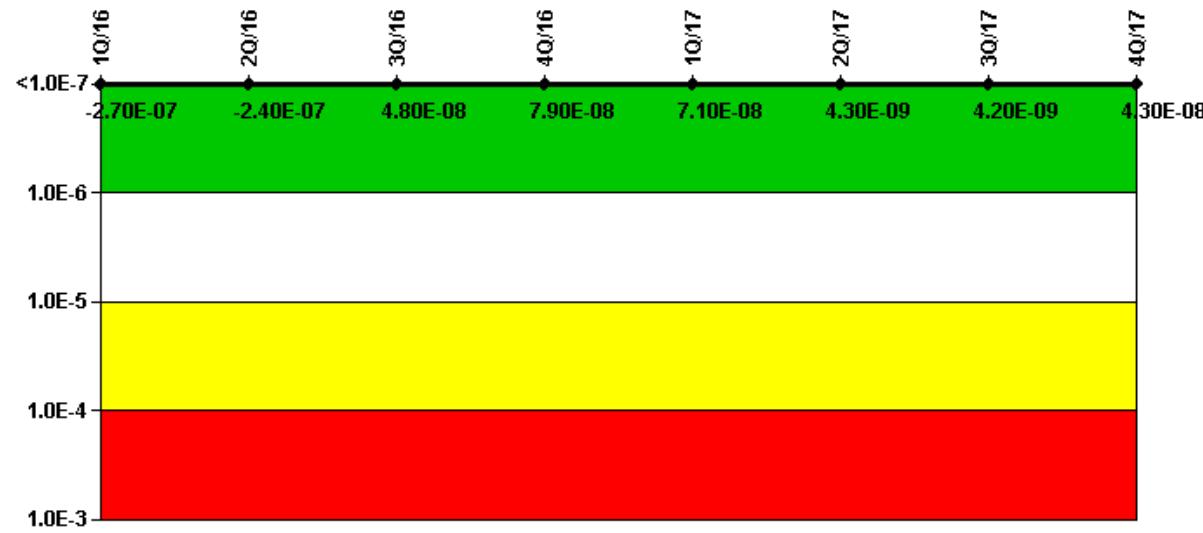
Indicator value                    0        0        0        0        0        3        3        3

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Licensee Comments:

2Q/17: LER's 1-2017-002, 1-2017-003, 1-2017-004

## 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

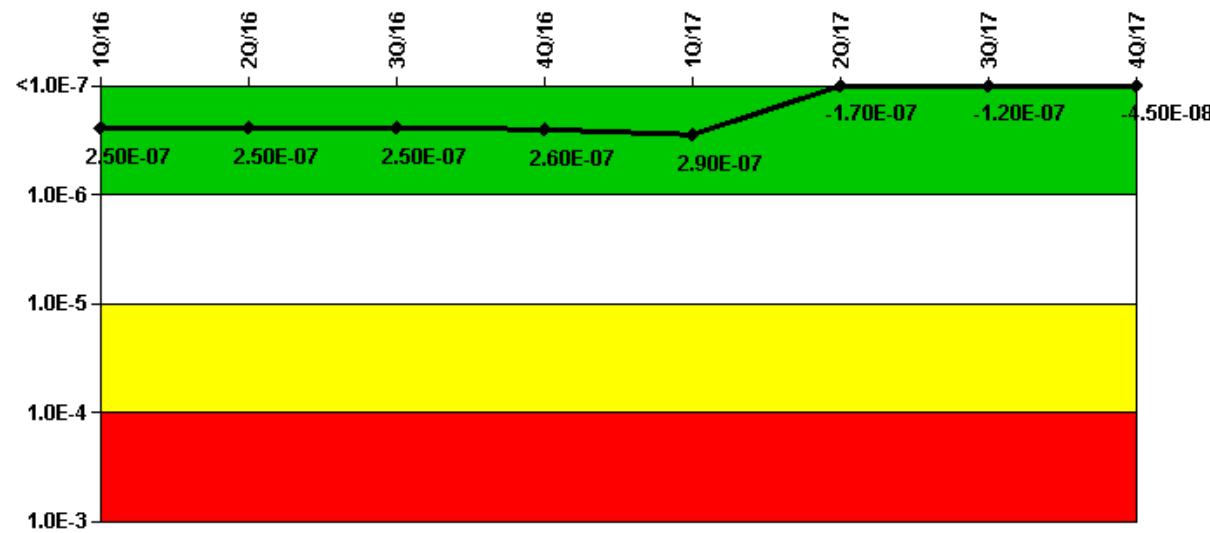
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI ( $\Delta$ CDF)	5.05E-08	7.56E-08	1.05E-07	1.30E-07	1.15E-07	5.03E-08	5.02E-08	7.28E-08
URI ( $\Delta$ CDF)	-3.22E-07	-3.14E-07	-5.72E-08	-5.12E-08	-4.38E-08	-4.60E-08	-4.60E-08	-2.98E-08
PLE	NO							
Indicator value	-2.70E-07	-2.40E-07	4.80E-08	7.90E-08	7.10E-08	4.30E-09	4.20E-09	4.30E-08

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### Licensee Comments:

4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

## 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

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI ( $\Delta$ CDF)	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.03E-08	-7.30E-08	-1.22E-08	-4.31E-09
URI ( $\Delta$ CDF)	3.25E-07	3.25E-07	3.25E-07	3.38E-07	3.65E-07		-1.02E-07	-1.07E-07
PLE	NO							
Indicator value	2.50E-07	2.50E-07	2.50E-07	2.60E-07	2.90E-07	-1.70E-07	-1.20E-07	-4.50E-08

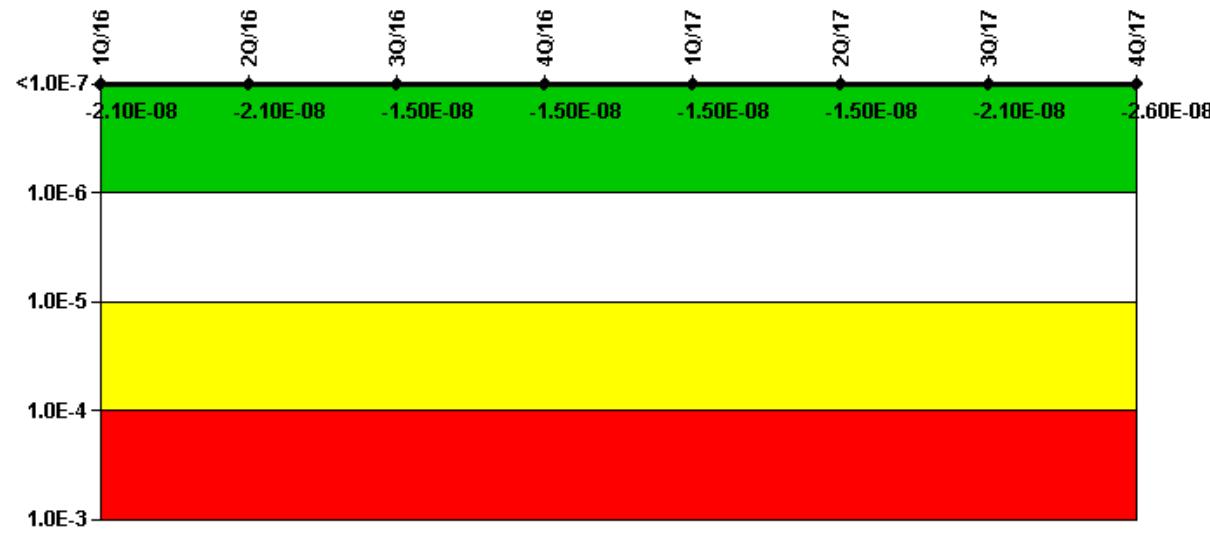
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### Licensee Comments:

4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

1Q/17: One event related to an inverter power supply failure is under evaluation.

### 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

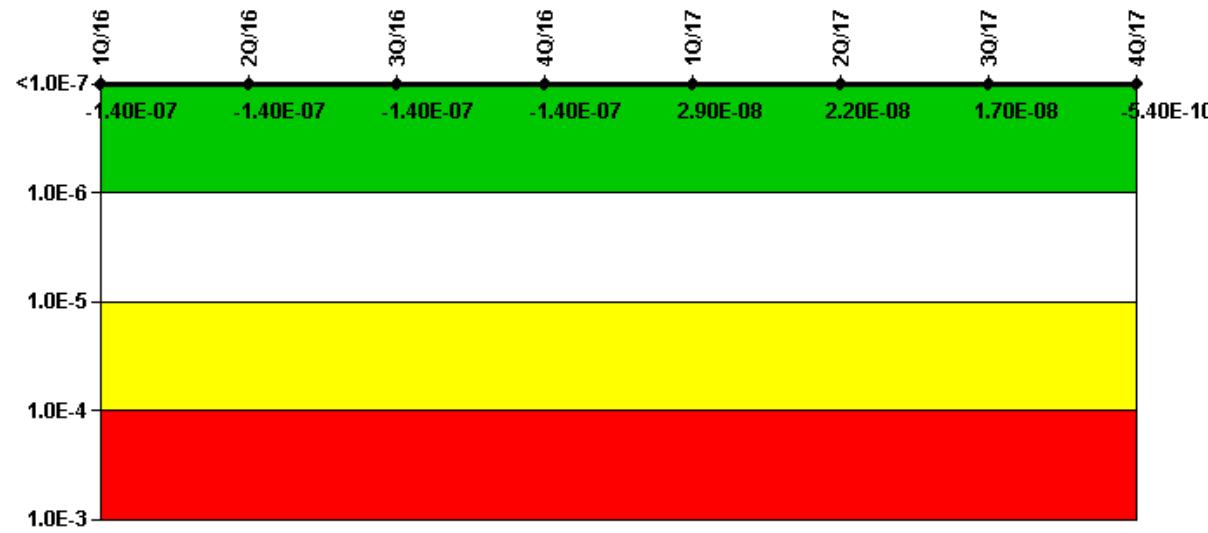
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI ( $\Delta$ CDF)	-7.00E-09	-7.00E-09	6.28E-11	-1.29E-11	-6.50E-10	-4.01E-10	-7.00E-09	-8.17E-09
URI ( $\Delta$ CDF)	-1.44E-08	-1.44E-08	-1.51E-08	-1.51E-08	-1.44E-08	-1.43E-08	-1.37E-08	-1.82E-08
PLE	NO							
Indicator value	<b>-2.10E-08</b>	<b>-2.10E-08</b>	<b>-1.50E-08</b>	<b>-1.50E-08</b>	<b>-1.50E-08</b>	<b>-1.50E-08</b>	<b>-2.10E-08</b>	<b>-2.60E-08</b>

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#### Licensee Comments:

4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

## 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

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI ( $\Delta$ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-9.60E-09	-9.58E-09	-9.58E-09	1.06E-09
URI ( $\Delta$ CDF)	-1.25E-07	-1.27E-07	-1.26E-07	-1.24E-07	3.84E-08	3.19E-08	2.64E-08	1.61E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>-1.40E-07</b>	<b>2.90E-08</b>	<b>2.20E-08</b>	<b>1.70E-08</b>	<b>-5.40E-10</b>

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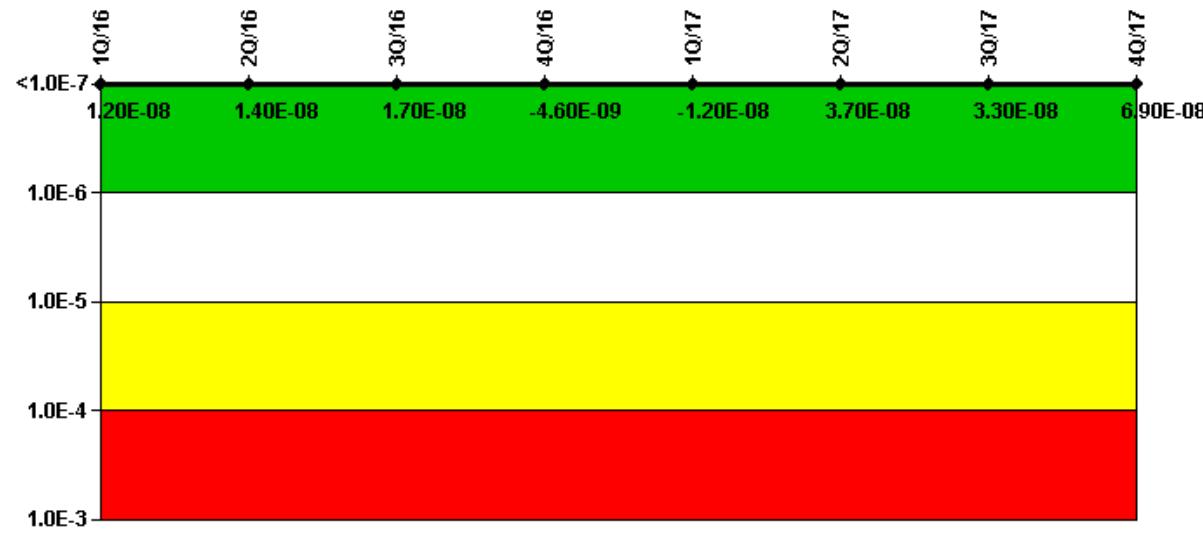
#### Licensee Comments:

4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

1Q/17: Engineering evaluation determined one valve demand failure for March 2017 but no additional failures.

1Q/17: Subsequent failures of the minimum flow valve are under evaluation as potential additional failures.

### 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

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI ( $\Delta$ CDF)	9.93E-08	1.01E-07	1.06E-07	8.29E-08	7.97E-08	1.27E-07	1.22E-07	1.01E-07
URI ( $\Delta$ CDF)	-8.68E-08	-8.77E-08	-8.92E-08	-8.75E-08	-9.14E-08	-8.98E-08	-8.90E-08	-3.17E-08
PLE	NO							

###### Indicator value

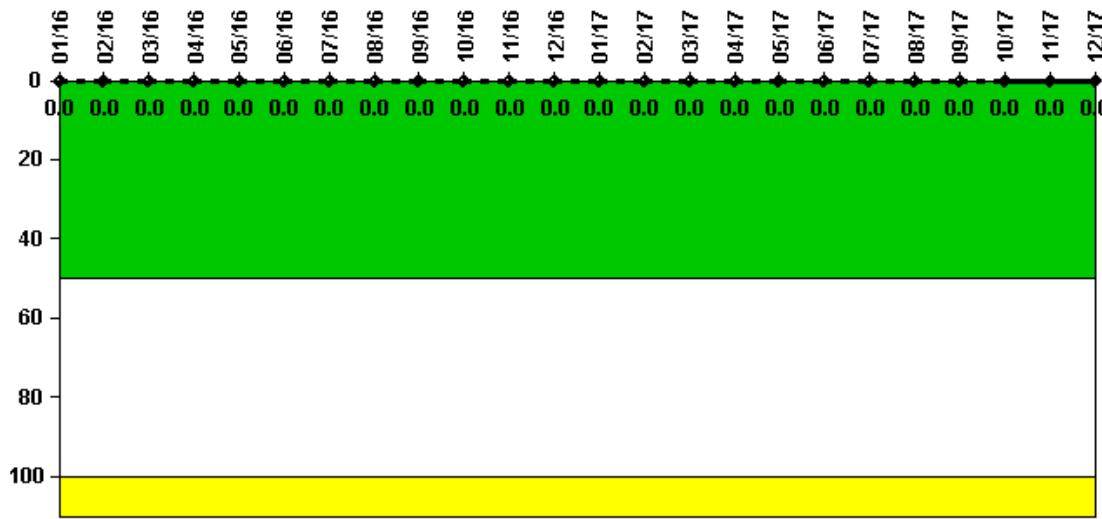
1.20E-08 1.40E-08 1.70E-08 -4.60E-09 -1.20E-08 3.70E-08 3.30E-08 6.90E-08

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#### Licensee Comments:

4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

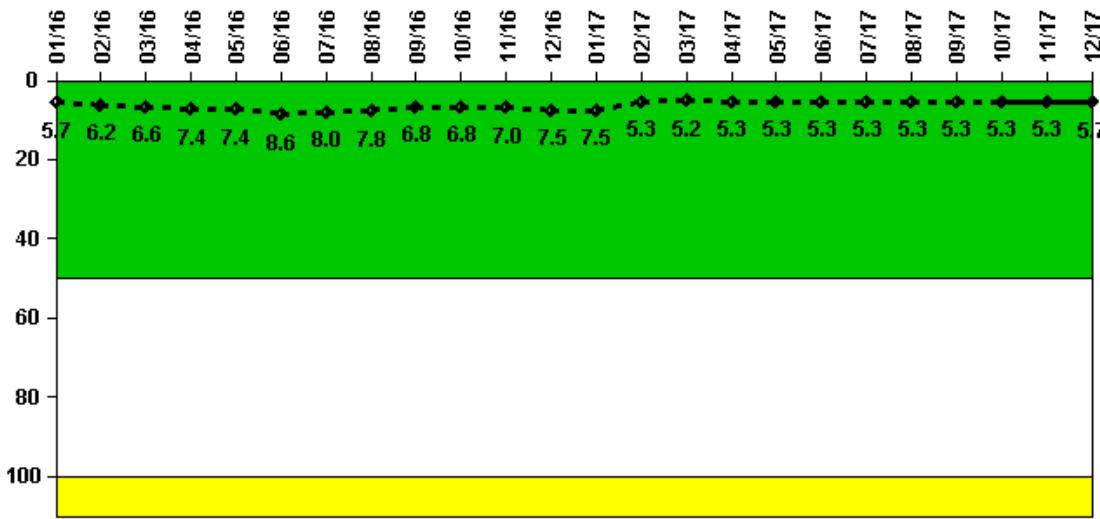
Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003	0.000003	0.000006	0.000005	0.000004	0.000005	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000004	0.000003	0.000003	0.000004	0.000008	0.000007	0.000012	0.000005	0.000006	0.000005	0.000005	0.000004

Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17



Licensee Comments: none

**Reactor Coolant System Leakage**

Thresholds: White > 50.0 Yellow > 100.0

**Notes****Reactor Coolant System Leakage** 1/16 2/16 3/16 4/16 5/16 6/16 7/16 8/16 9/16 10/16 11/16 12/16

Maximum leakage 1.720 1.850 1.990 2.220 2.230 2.580 2.400 2.350 2.050 2.050 2.100 2.260

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 6.2 6.6 7.4 7.4 8.6 8.0 7.8 6.8 6.8 7.0 7.5

**Reactor Coolant System Leakage** 1/17 2/17 3/17 4/17 5/17 6/17 7/17 8/17 9/17 10/17 11/17 12/17

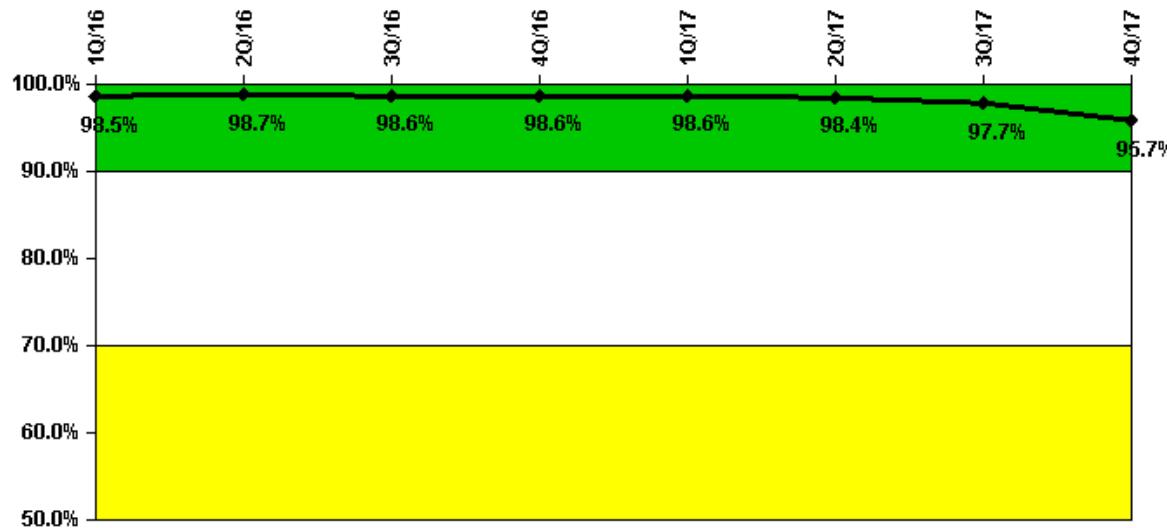
Maximum leakage 2.260 1.580 1.550 1.580 1.580 1.590 1.590 1.590 1.590 1.590 1.600 1.720

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 7.5 5.3 5.2 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.7

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Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

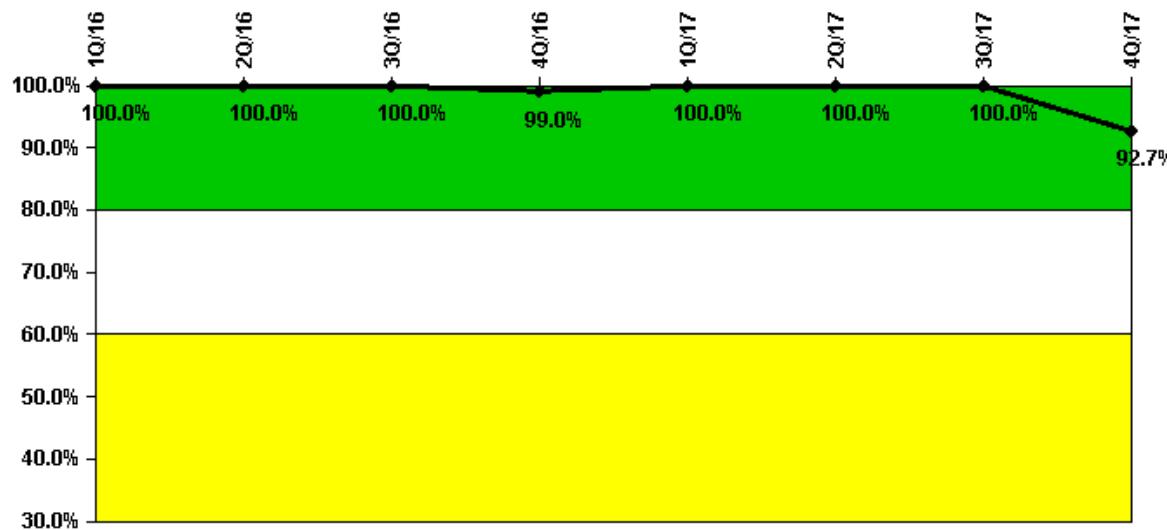
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	22.0	55.0	53.0	36.0	24.0	27.0	41.0	8.0
Total opportunities	24.0	55.0	53.0	36.0	24.0	29.0	43.0	14.0

Indicator value      **98.5% 98.7% 98.6% 98.6% 98.6% 98.4% 97.7% 95.7%**

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**Licensee Comments:**

1Q/17: The values for March 2017 were changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

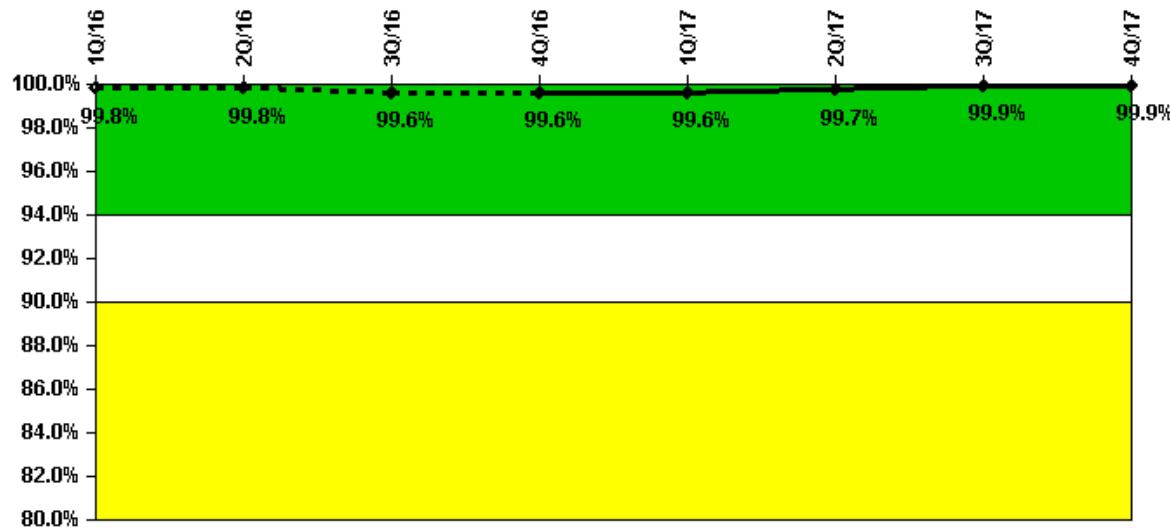
**Notes**

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	99.0	85.0	85.0	95.0	97.0	86.0	88.0	89.0
Total Key personnel	99.0	85.0	85.0	96.0	97.0	86.0	88.0	96.0

Indicator value      100.0% 100.0% 100.0% 99.0% 100.0% 100.0% 100.0% 92.7%

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Licensee Comments: none

**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

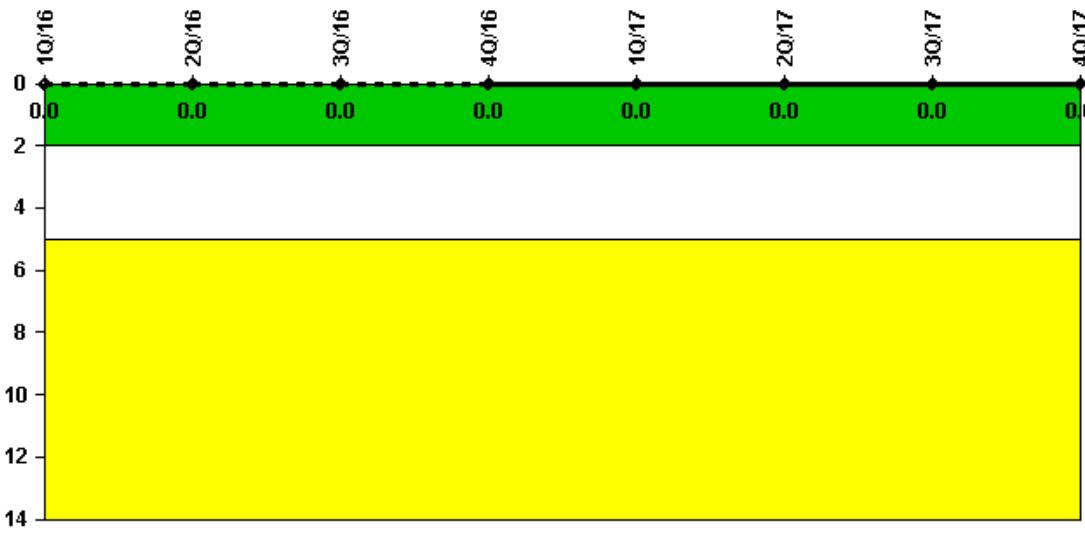
**Notes**

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	1038	1036	1032	1117	1039	1039	1039	1199
Total sirens-tests	1040	1040	1040	1120	1040	1040	1040	1200

Indicator value      99.8% 99.8% 99.6% 99.6% 99.6% 99.7% 99.9% 99.9%

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Licensee Comments: none

**Occupational Exposure Control Effectiveness**

Thresholds: White > 2.0 Yellow > 5.0

**Notes****Occupational Exposure Control Effectiveness** 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

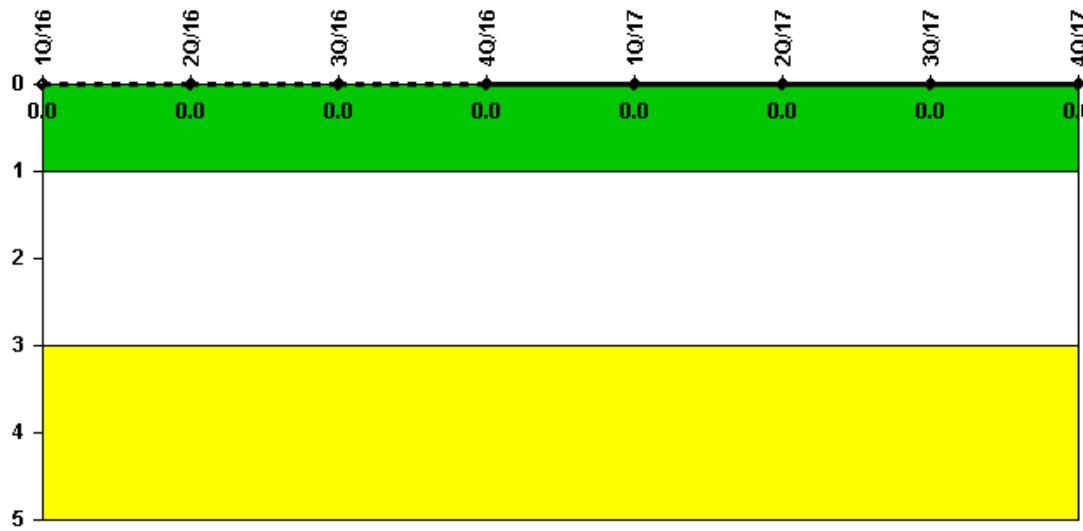
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

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**Licensee Comments:**

3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator. Update 09/20/2017, changed value from 1 to 0. Dose rate was < 1 rem/hr. Change does not affect color.

3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

**RETS/ODCM Radiological Effluent** 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17  
RETS/ODCM occurrences      0      0      0      0      0      0      0      0

**Indicator value**      0      0      0      0      0      0      0      0

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

*Current data as of: February 1, 2018*

*Page Last Reviewed/Updated Monday, November 06, 2017*