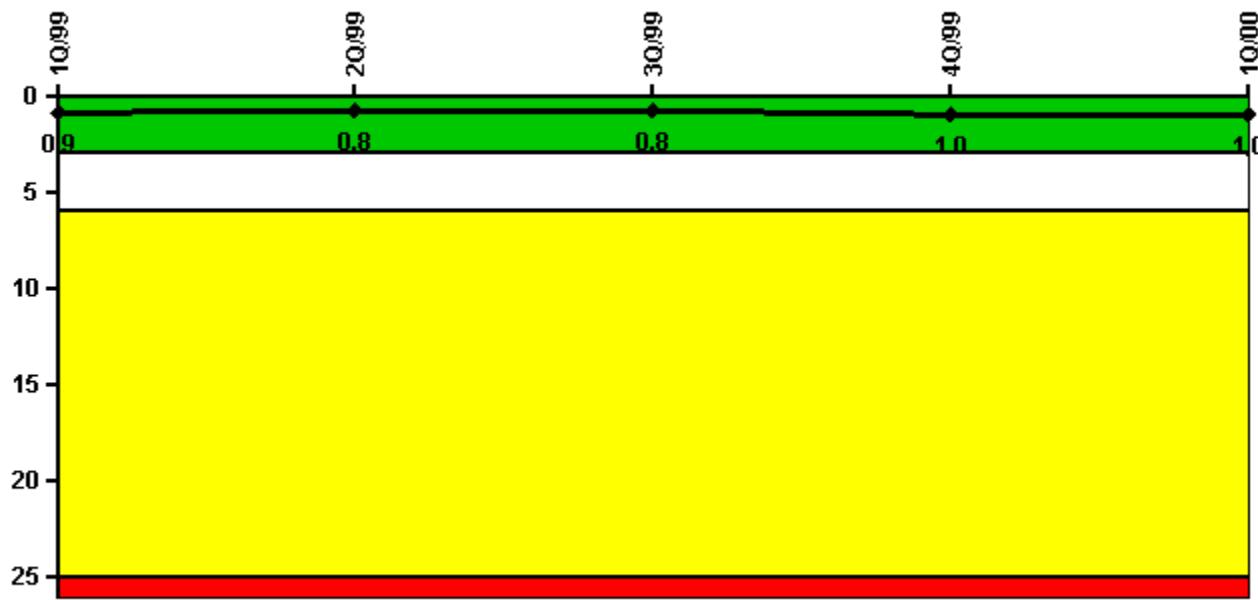


**Farley 2****1Q/2000 Performance Indicators**

Licensee's General Comments: none

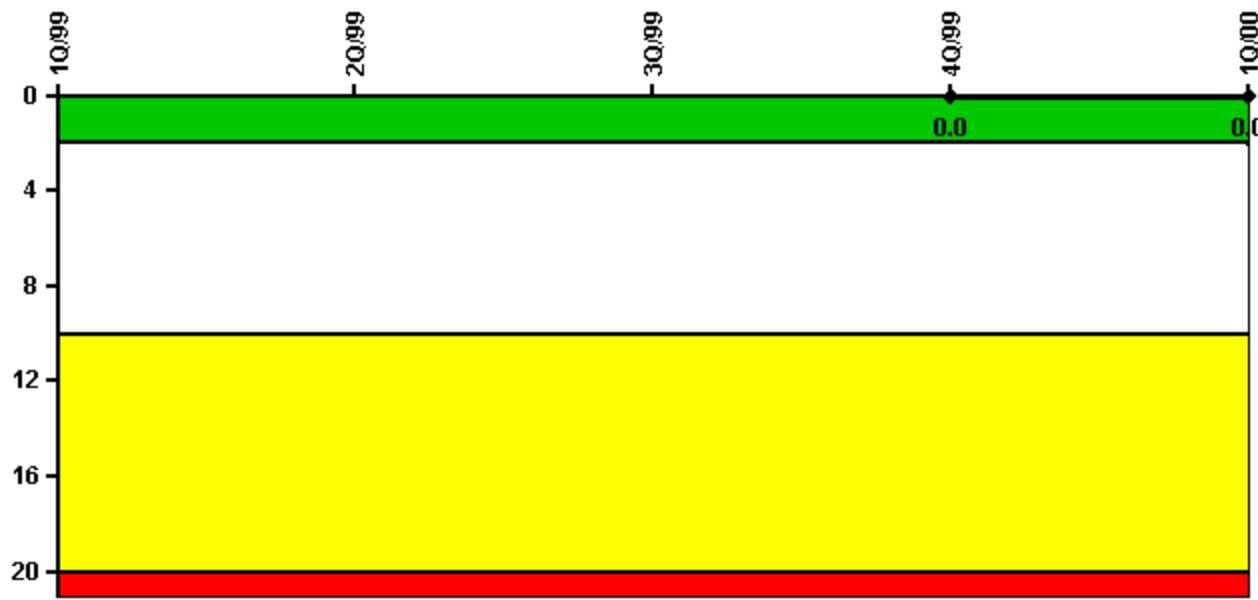
**Unplanned Scrams per 7000 Critical Hrs**

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	0
Critical hours	2160.0	2125.4	2208.0	797.0	2184.0
Indicator value	0.9	0.8	0.8	1.0	1.0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

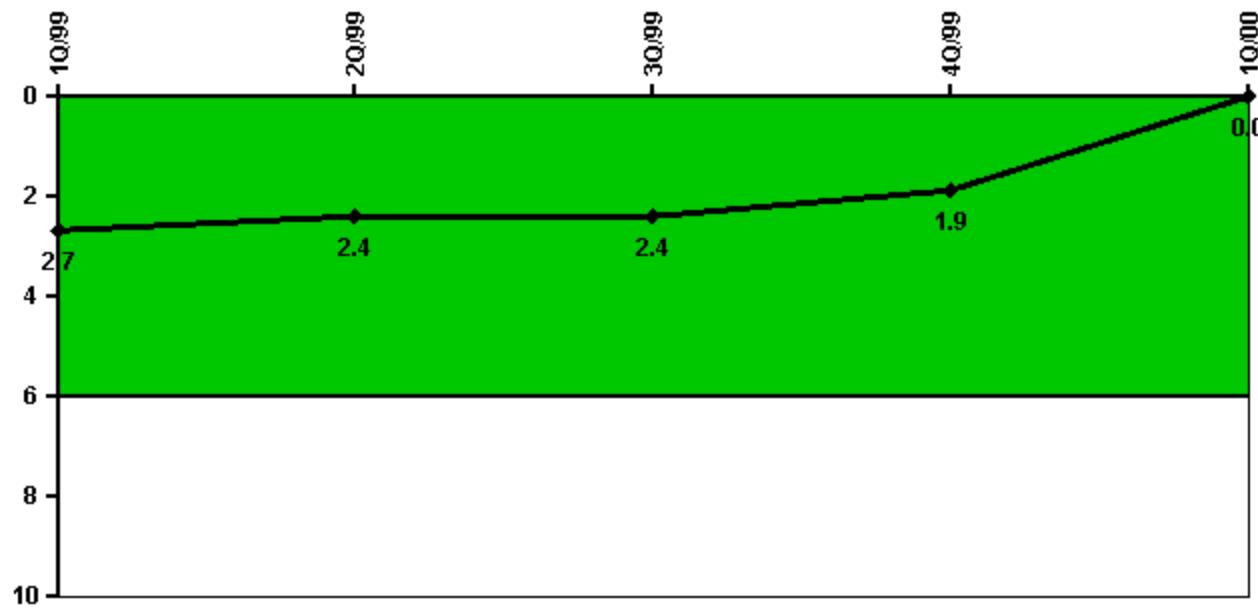
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value				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/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	2.0	0	0	0	0
Critical hours	2160.0	2125.4	2208.0	797.0	2184.0
Indicator value	2.7	2.4	2.4	1.9	0

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/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	0	176.60	0	1.00	19.60
Unplanned unavailable hours	0	0	0	0	6.50
Fault exposure hours	0	0	0	0	1038.40
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	17.10	0	0	0	0.30
Unplanned unavailable hours	0	0	0	0	58.10
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	8.60	252.20	4.60	101.70
Unplanned unavailable hours	0	0	0	6.90	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>1.4%</b>	<b>2.9%</b>

### Licensee Comments:

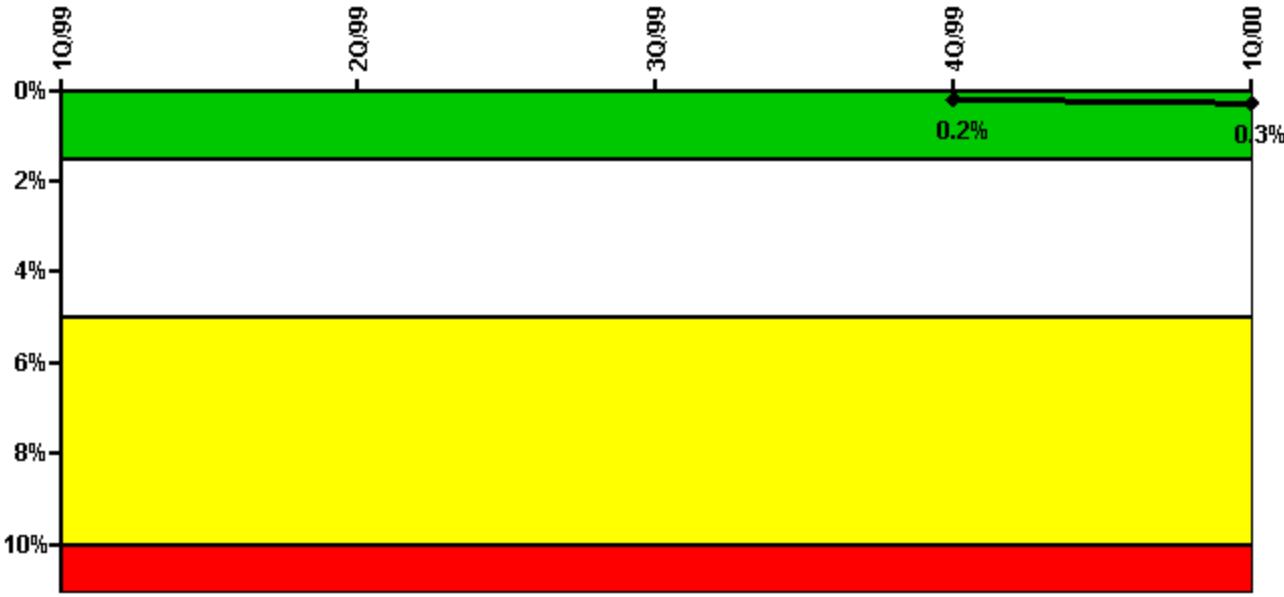
1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator.

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



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

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>						
Planned unavailable hours		0	0	0	0	0
Unplanned unavailable hours		2.00	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2125.40	2208.00	797.00	2184.00
<b>Train 2</b>						
Planned unavailable hours		0	0	0	0	0.30
Unplanned unavailable hours		0	0	0	0	58.10
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2125.40	2208.00	797.00	2184.00
<b>Indicator value</b>					0.2%	0.3%

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)					
	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	8.00	14.00	5.60	2.30	4.40
Unplanned unavailable hours	0	0	0	0	11.40
Fault exposure hours	0	0	0	0	668.90
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2125.40	2208.00	797.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	14.80	0.50	7.60	0.70	0.30
Unplanned unavailable hours	0	0	0	0	58.10
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2125.40	2208.00	797.00	2184.00
<b>Train 3</b>					
Planned unavailable hours	31.00	3.40	22.00	0	19.60
Unplanned unavailable hours	0	0	0	0	17.30
Fault exposure hours	0	0	0	0	234.50
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2125.40	2208.00	797.00	2184.00
<b>Indicator value</b>				0.5%	1.9%

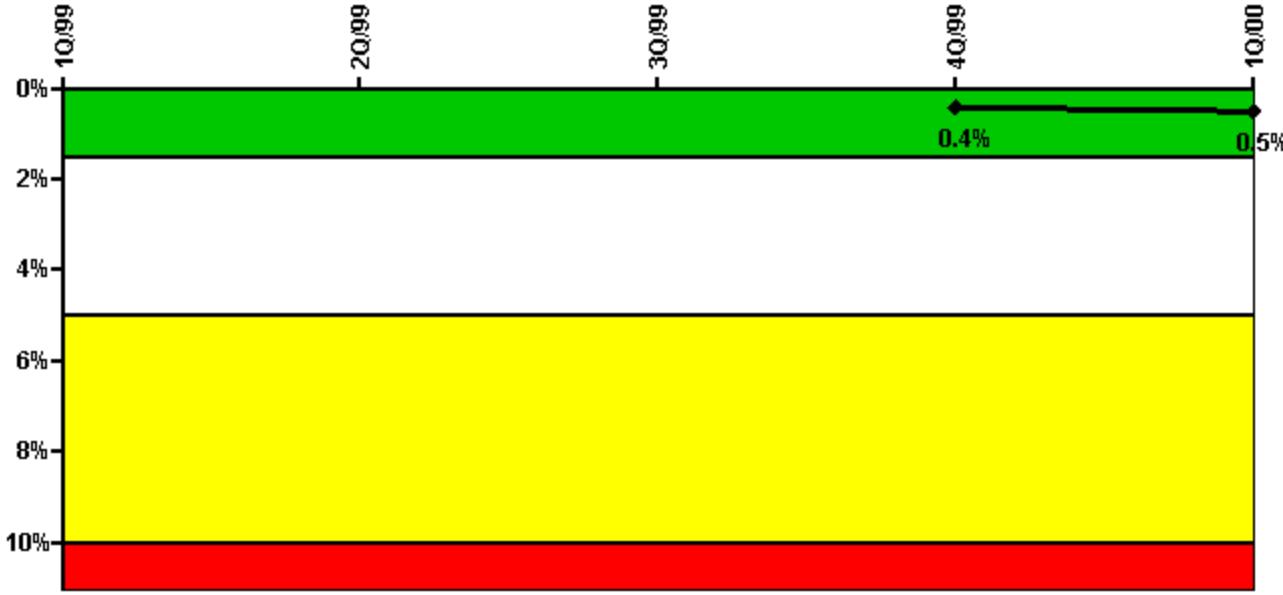
Licensee Comments:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

### Safety System Unavailability, Residual Heat Removal System



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

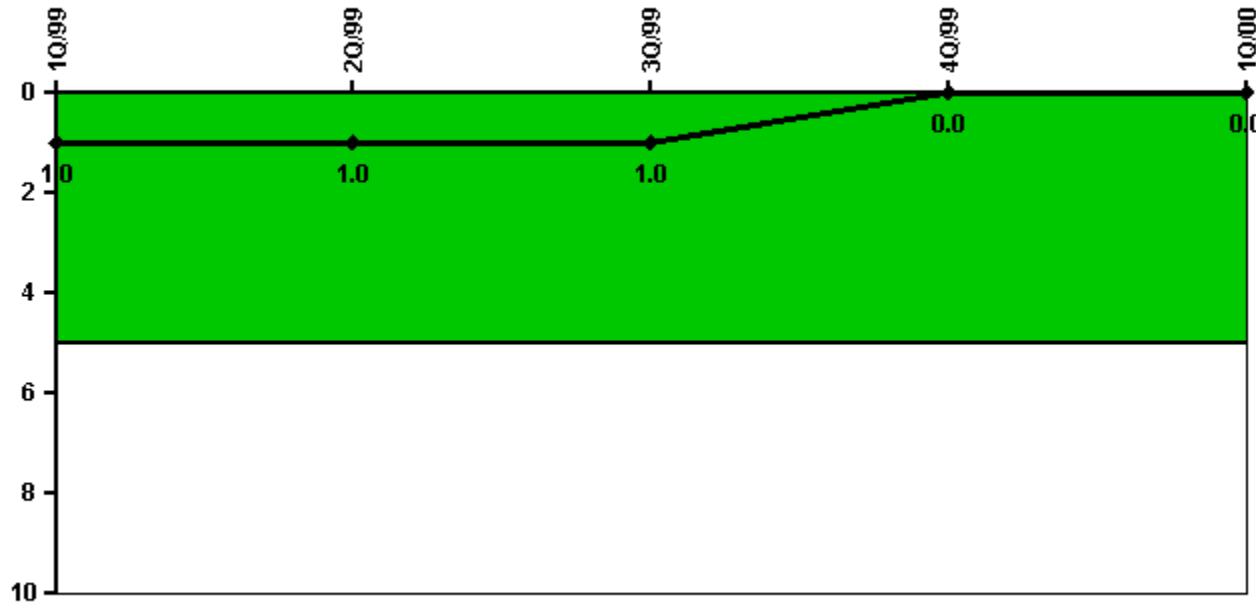
### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	0	9.70	11.80	0.30	9.70
Unplanned unavailable hours	0	0	0	0	12.00
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	0	7.80	0.70	7.20
Unplanned unavailable hours	0	0	0	0	58.10
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>				0.4%	0.5%

Licensee Comments:

1Q/00: Minor adjustment made 3Q 2000 to remove operator action credit during surveillance testing. Color unaffected.

### Safety System Functional Failures (PWR)



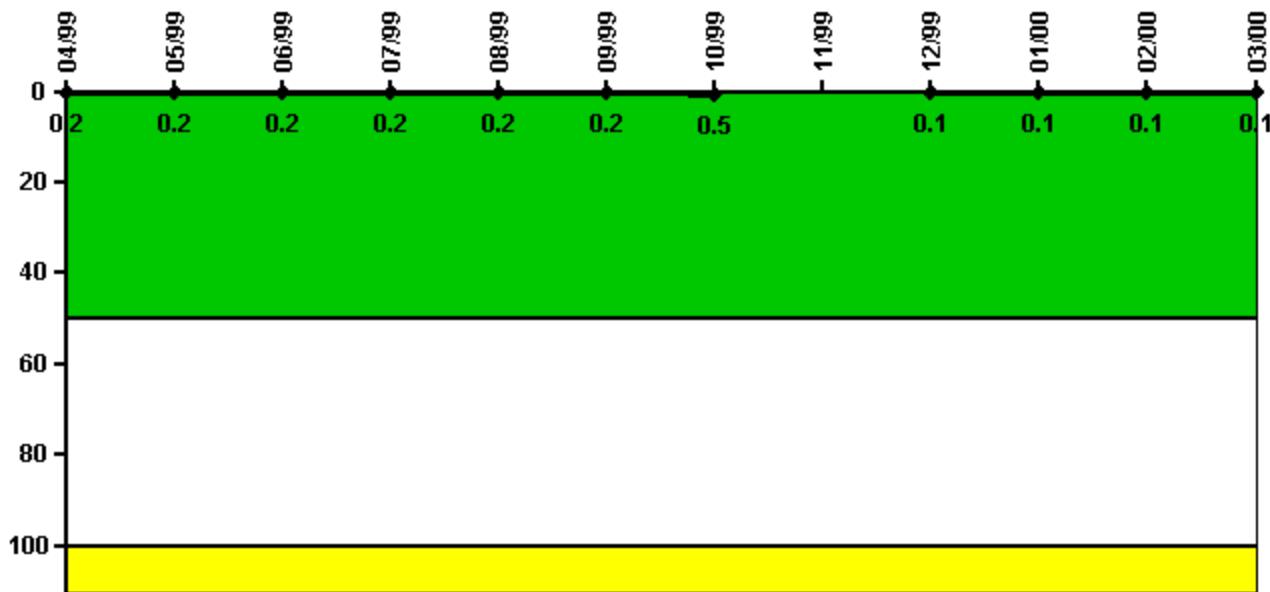
Thresholds: White > 5.0

### Notes

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

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

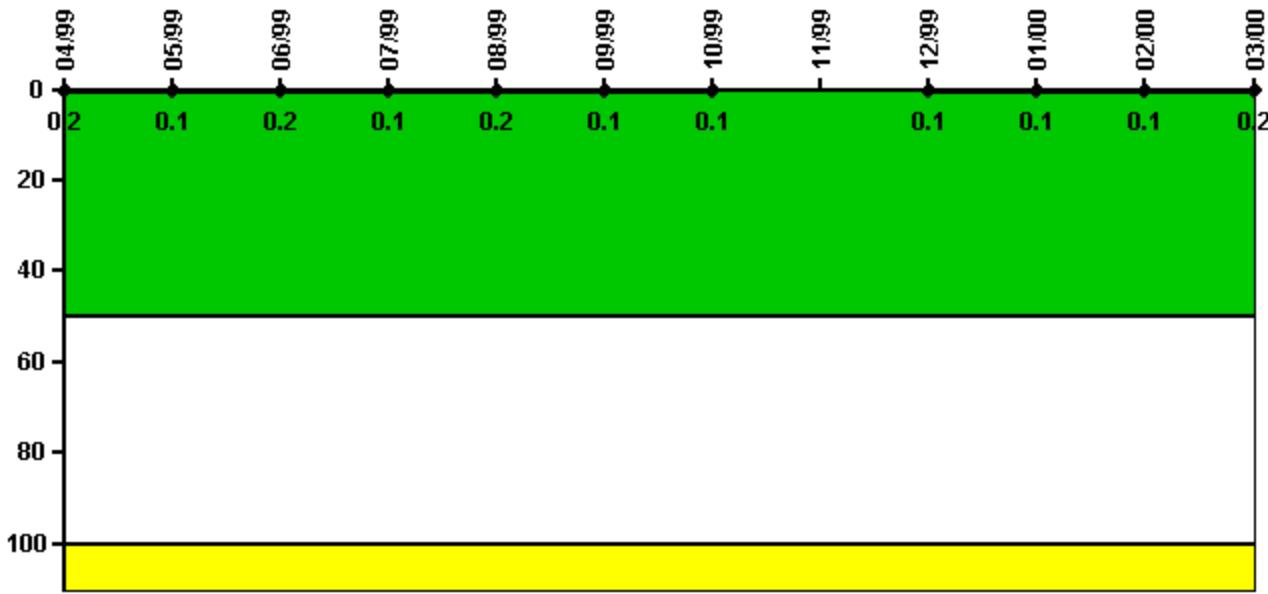
Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000309	0.000490	0.000500	0.000515	0.000573	0.000503	0.001550	N/A	0.000380	0.000397	0.000442	0.000443
Technical specification limit	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.5</b>	N/A	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>

Licensee Comments:

12/99: NA in November due to refueling outage.

6/98: NA in April due to refueling outage.

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

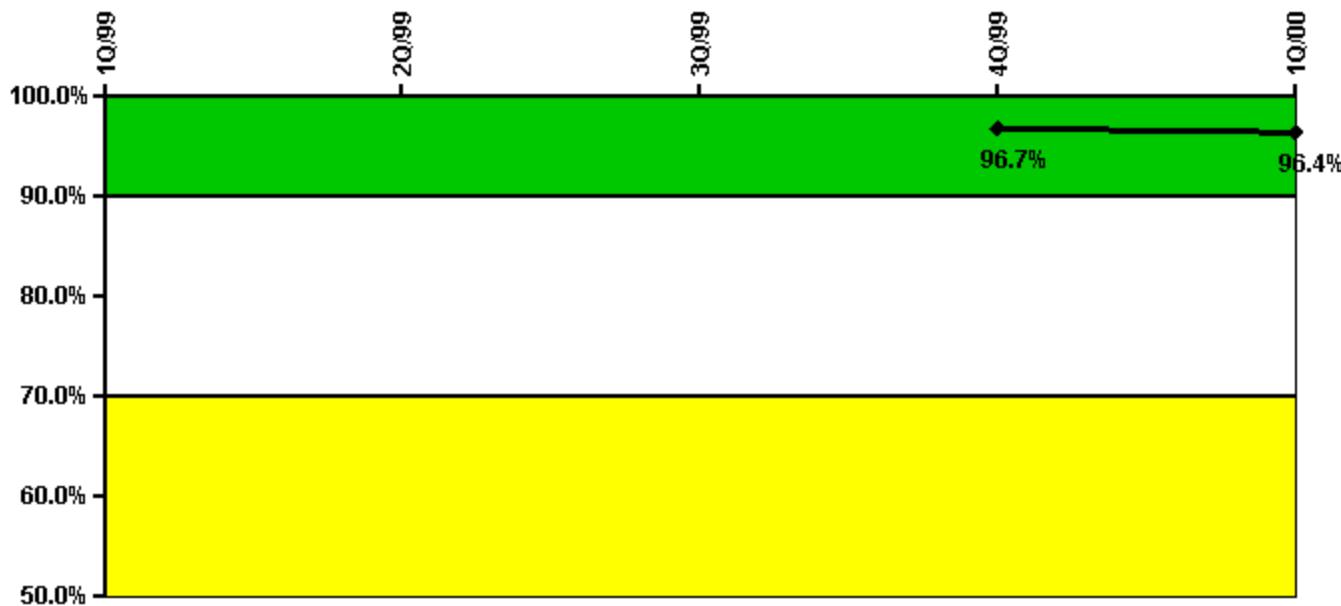
### Notes

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	0.023	0.012	0.024	0.010	0.018	0.011	0.006	N/A	0.011	0.012	0.012	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.1	0.2	0.1	0.2	0.1	0.1	N/A	0.1	0.1	0.1	0.2

Licensee Comments:

12/99: NA in November due to refueling outage.

6/98: NA in April due to refueling outage.

**Drill/Exercise Performance**

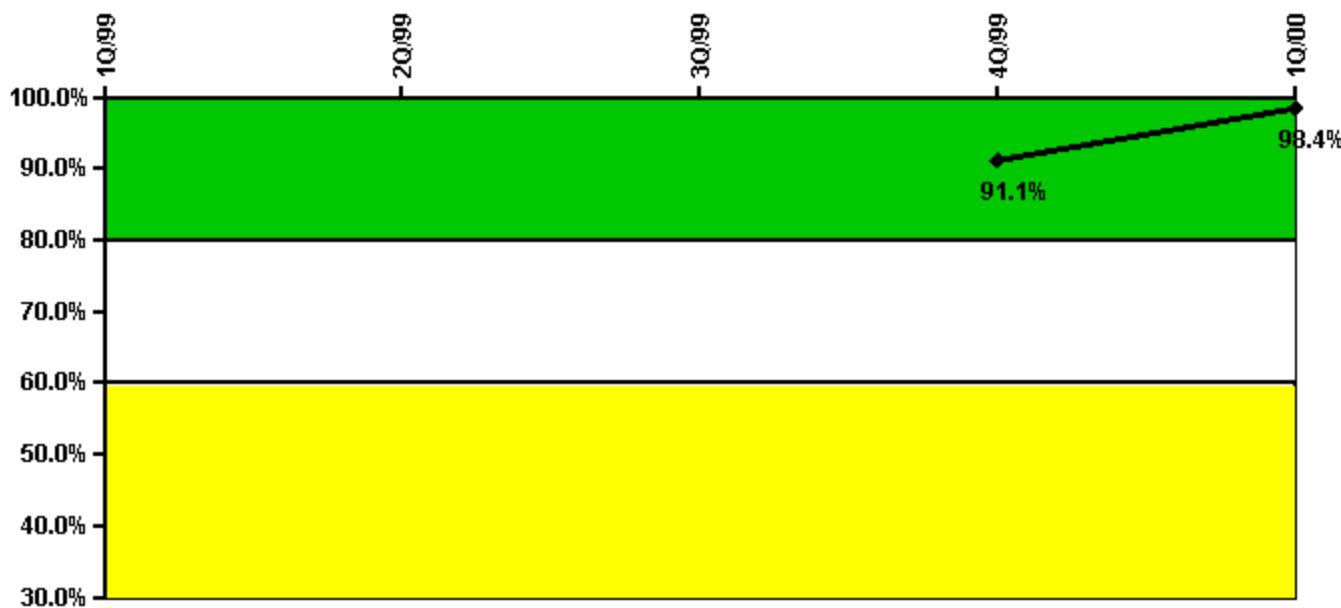
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	34.0	12.0	19.0	0	6.0
Total opportunities	36.0	12.0	20.0	0	6.0
Indicator value				96.7%	96.4%

Licensee Comments: none

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**ERO Drill Participation**

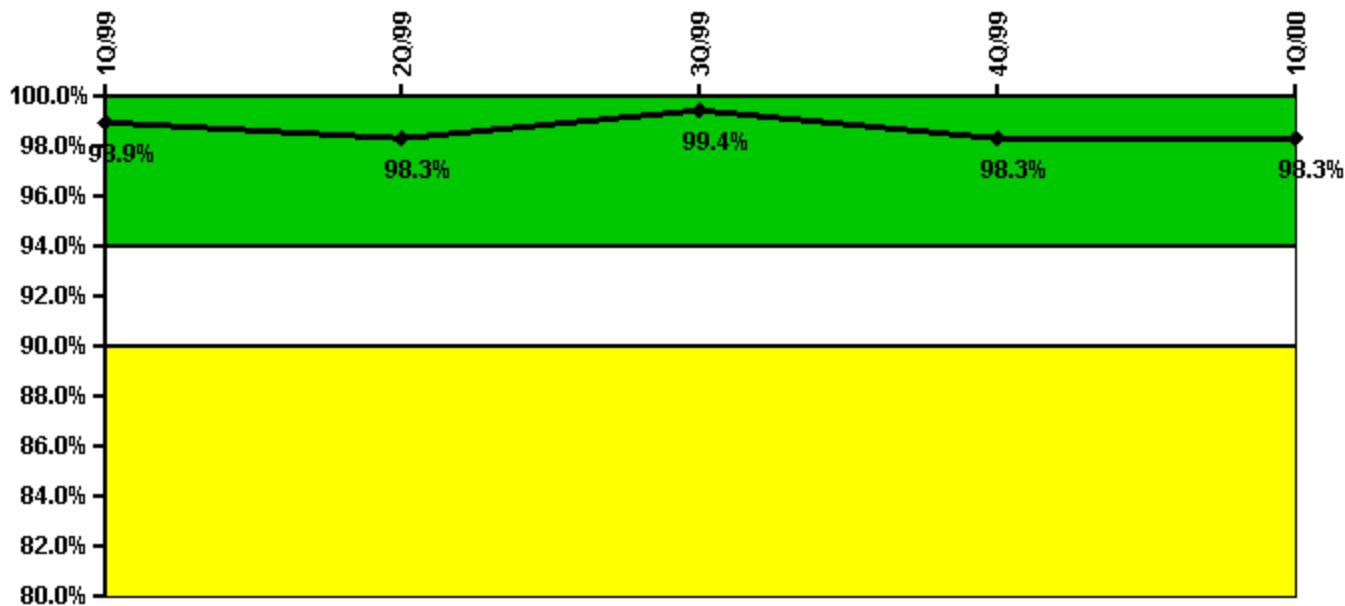
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				112.0	121.0
Total Key personnel				123.0	123.0
Indicator value				91.1%	98.4%

Licensee Comments: none

### Alert & Notification System

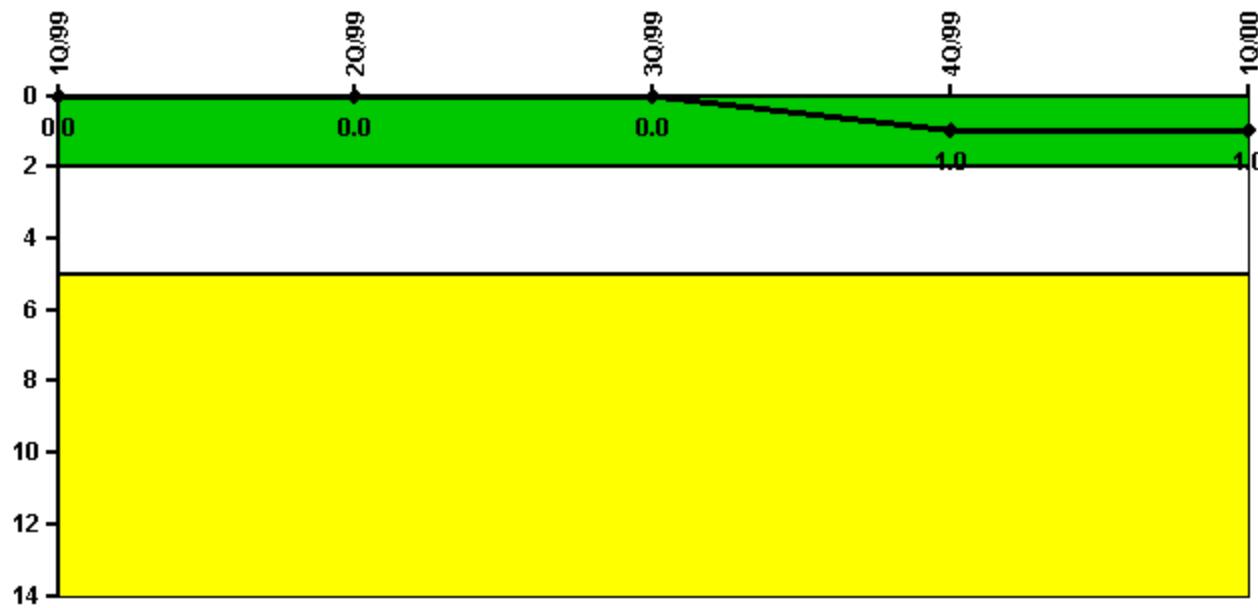


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	42	47	42	46	42
Total sirens-tests	42	48	42	48	42
Indicator value	98.9%	98.3%	99.4%	98.3%	98.3%

Licensee Comments: none

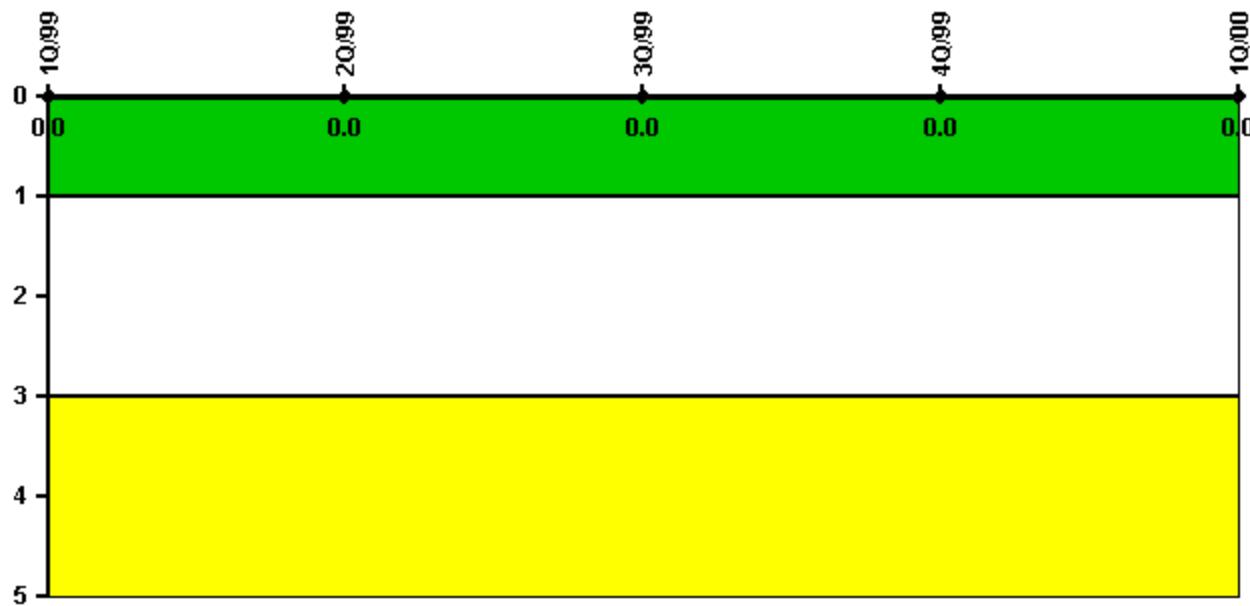
**Occupational Exposure Control Effectiveness**

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	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>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

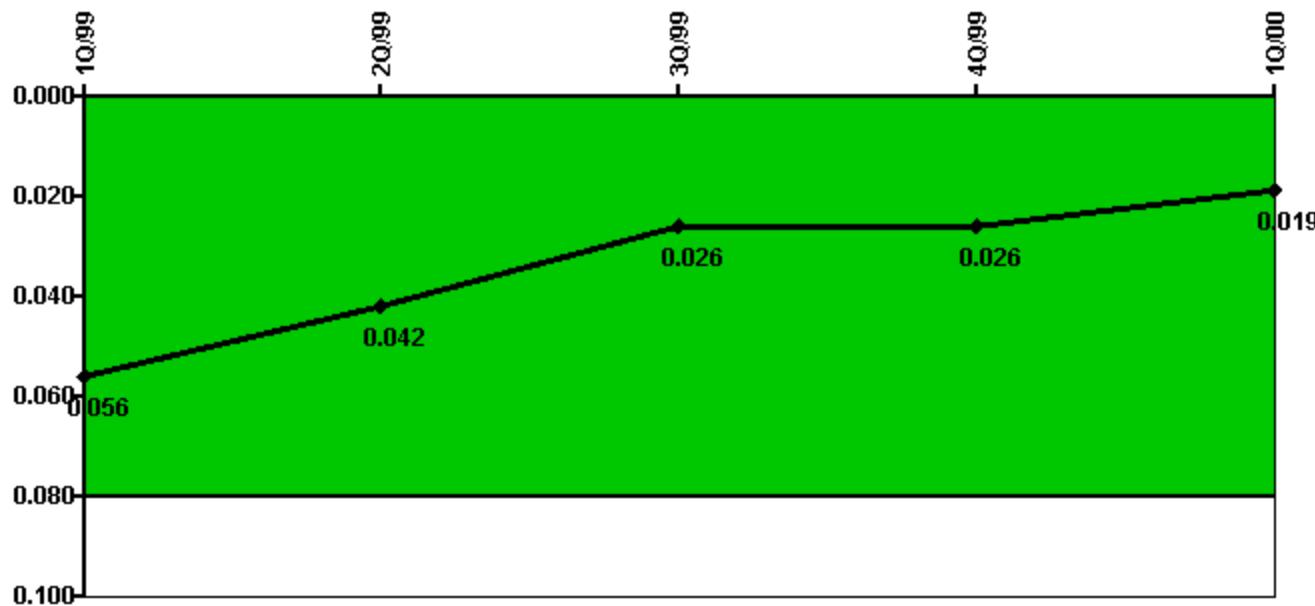
**Notes**

RETS/ODCM Radiological Effluent	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



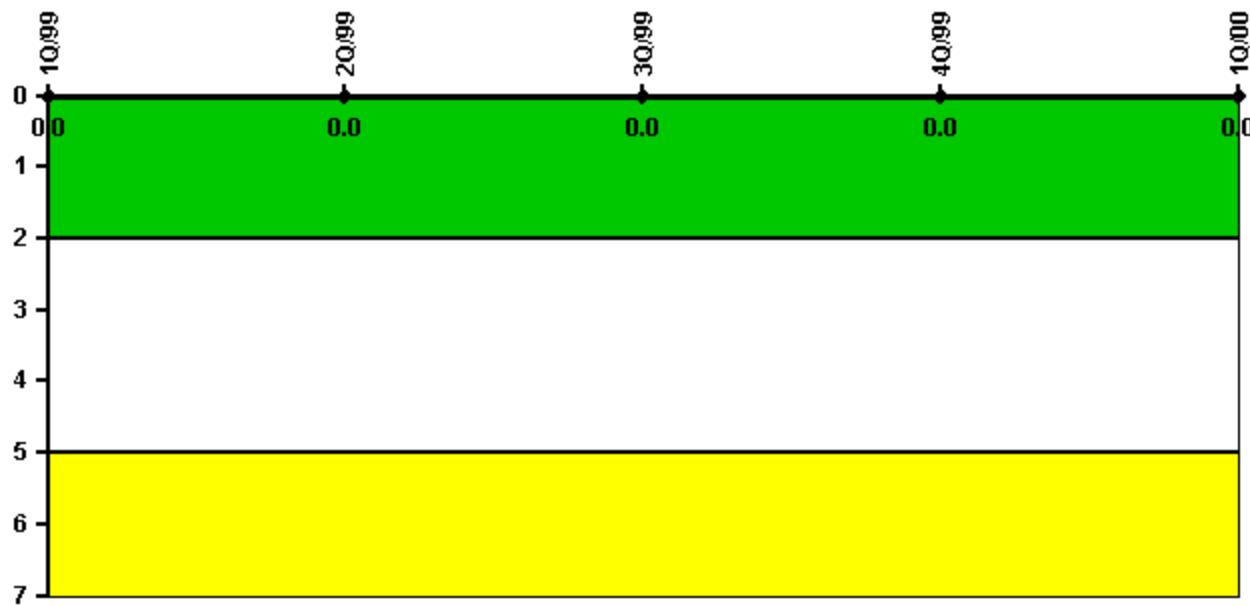
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	152.10	109.40	120.90	87.50	6.30
CCTV compensatory hours	62.4	53.8	69.6	35.5	17.0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.056</b>	<b>0.042</b>	<b>0.026</b>	<b>0.026</b>	<b>0.019</b>

Licensee Comments: none

### Personnel Screening Program



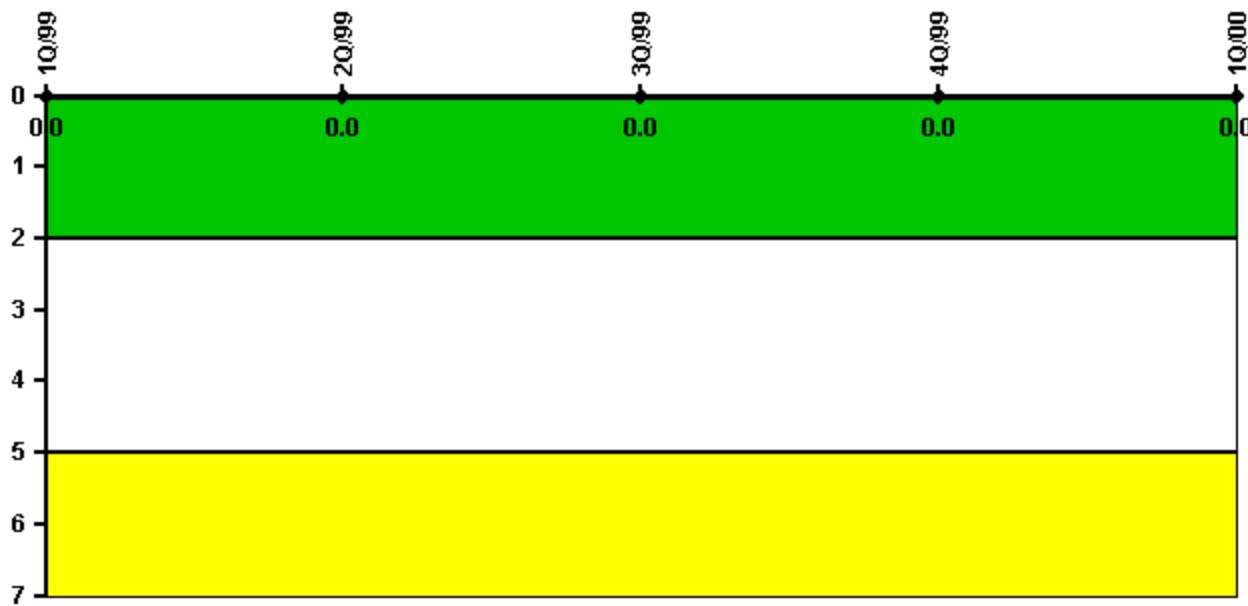
Thresholds: White > 2.0 Yellow > 5.0

#### 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

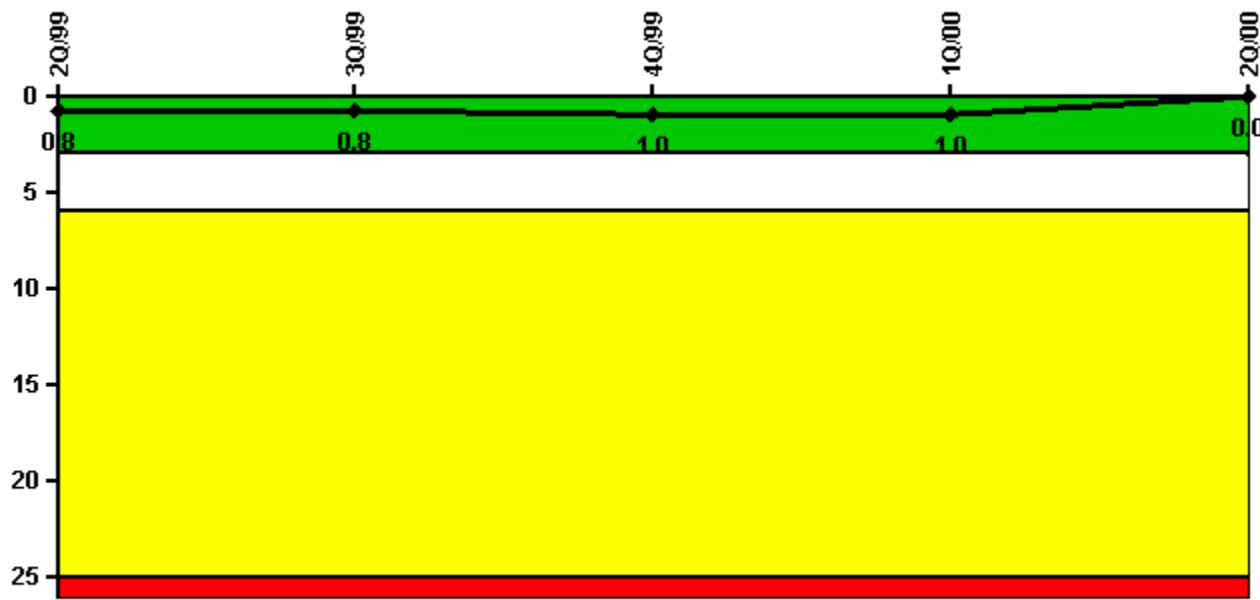


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

**Farley 2****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	0	0
Critical hours	2125.4	2208.0	797.0	2184.0	2183.0
Indicator value	0.8	0.8	1.0	1.0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

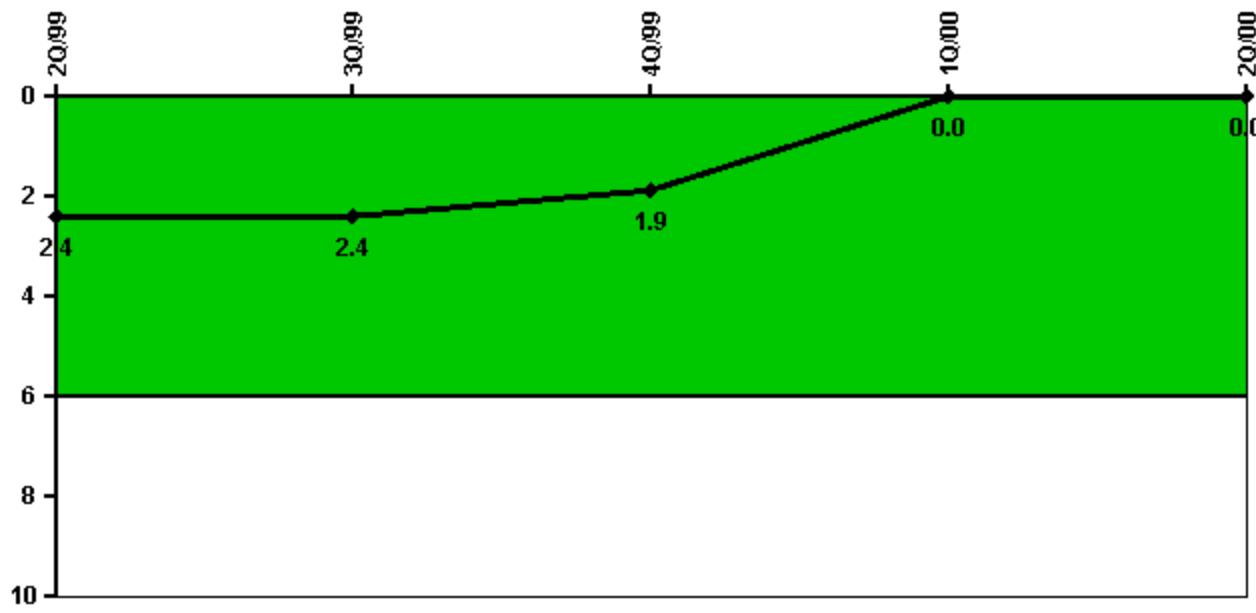
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

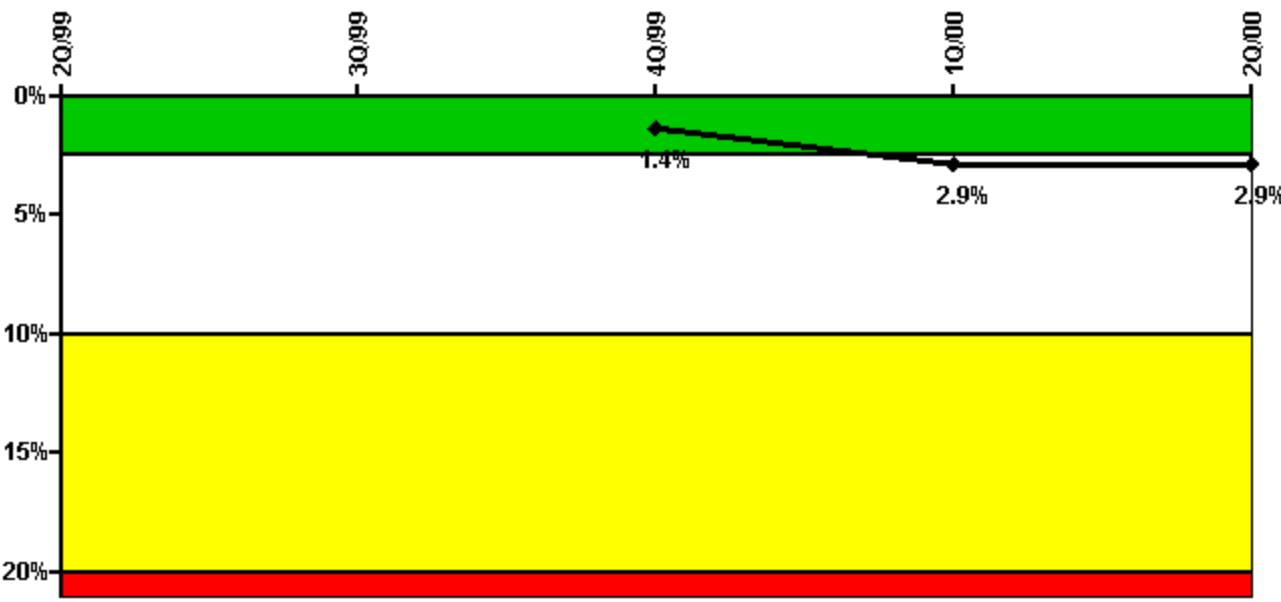
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2125.4	2208.0	797.0	2184.0	2183.0
Indicator value	2.4	2.4	1.9	0	0

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	176.60	0	1.00	19.60	9.60
Unplanned unavailable hours	0	0	0	6.50	0
Fault exposure hours	0	0	0	1038.40	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	0	0	0	0.30	3.40
Unplanned unavailable hours	0	0	0	58.10	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	8.60	252.20	4.60	101.70	3.10
Unplanned unavailable hours	0	0	6.90	0	7.80
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>			<b>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>

Licensee Comments:

2Q/00: One of 3 diesel generators unavailable (Q1 2000) due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. White threshold entered Q1 2000. Minor calculation correction (0.3 Hrs) made Q2 2000 to March 2000 data. Color (white) unaffected.

2Q/00: One of 3 diesel generators unavailable (Q1 2000) due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. White threshold entered Q1 2000. Minor calculation correction

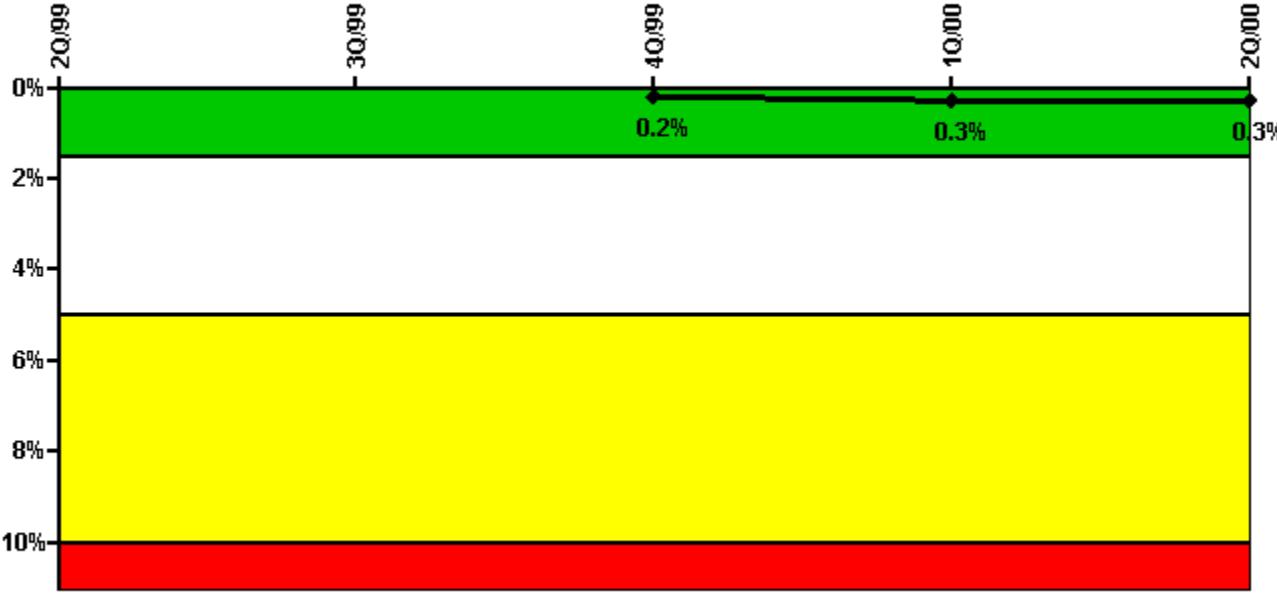
(0.3 Hrs) made Q2 2000 to March 2000 data. Color (white) unaffected. Minor correction made Q3 2000 to remove operator action credits. Color unaffected.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

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



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

## Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0	0	3.20
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	2125.40	2208.00	797.00	2184.00	2183.00
<b>Train 2</b>					
Planned unavailable hours	0	0	0	0.30	6.00
Unplanned unavailable hours	0	0	0	58.10	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2125.40	2208.00	797.00	2184.00	2183.00

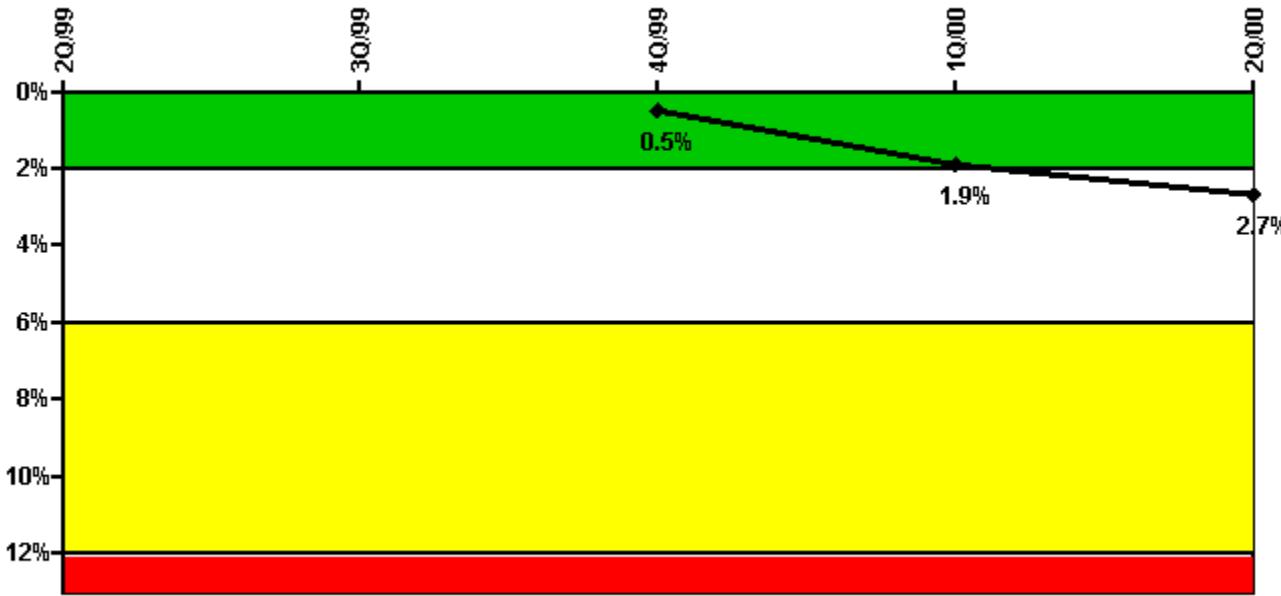
Indicator value				0.2%	0.3%	0.3%

## Licensee Comments:

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Added Reactor Protection System testing hours with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected.

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>						
Planned unavailable hours		14.00	5.60	2.30	4.40	6.50
Unplanned unavailable hours		0	0	0	11.40	0
Fault exposure hours		0	0	0	668.90	0
Effective Reset hours		0	0	0	0	0
Required hours		2125.40	2208.00	797.00	2184.00	2183.00
<b>Train 2</b>						
Planned unavailable hours		0.50	7.60	0.70	0.30	12.10
Unplanned unavailable hours		0	0	0	58.10	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2125.40	2208.00	797.00	2184.00	2183.00
<b>Train 3</b>						

Planned unavailable hours	3.40	22.00	0	19.60	3.20
Unplanned unavailable hours	0	0	0	17.30	56.30
Fault exposure hours	0	0	0	234.50	515.00
Effective Reset hours	0	0	0	0	0
Required hours	2125.40	2208.00	797.00	2184.00	2183.00
<b>Indicator value</b>			<b>0.5%</b>	<b>1.9%</b>	<b>2.7%</b>

## Licensee Comments:

2Q/00: WHITE threshhold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshhold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshhold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data.

2Q/00: WHITE threshhold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected. 126.1 hours of April Fault Exposure Hours removed with Q2 2001 report. Color unaffected.

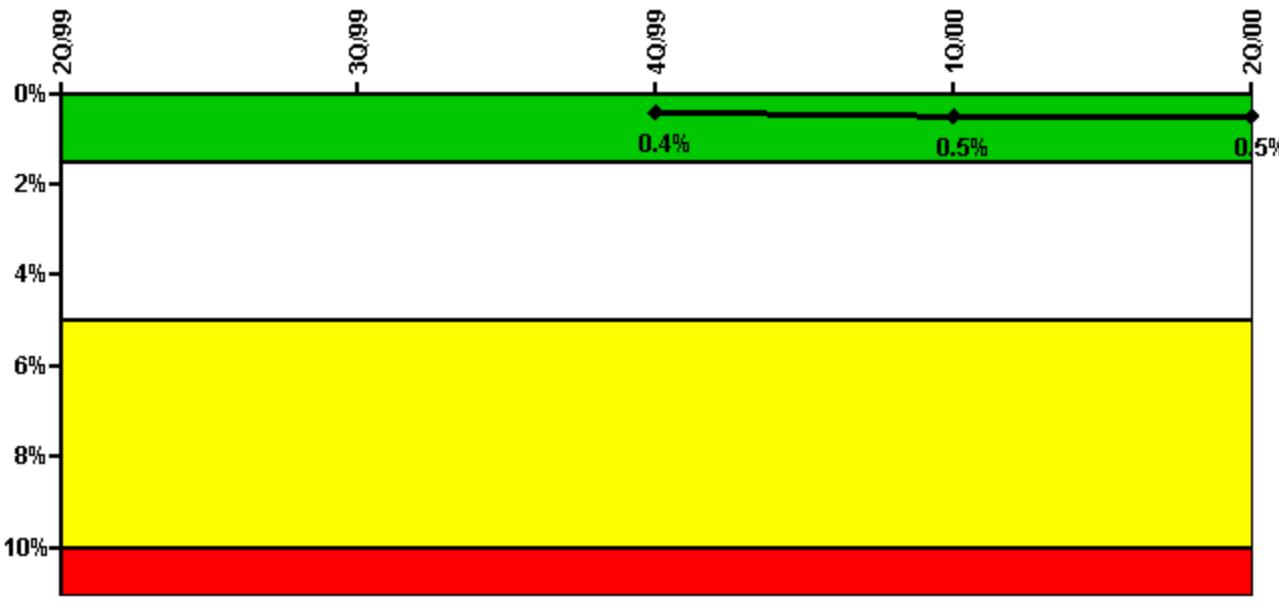
1Q/00:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

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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/99	3Q/99	4Q/99	1Q/00	2Q/00
<b>Train 1</b>						
Planned unavailable hours		9.70	11.80	0.30	9.70	3.80
Unplanned unavailable hours		0	0	0	12.00	3.60
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		0	7.80	0.70	7.20	7.60
Unplanned unavailable hours		0	0	0	58.10	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>				0.4%	0.5%	0.5%

### Licensee Comments:

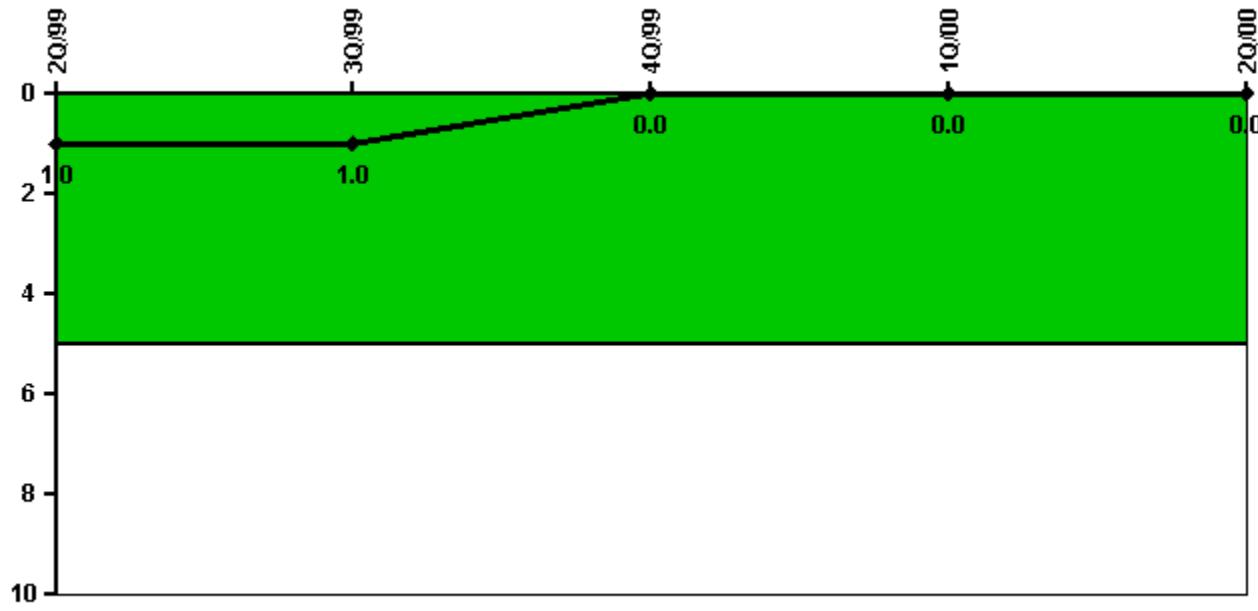
2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected.

1Q/00: Minor adjustment made 3Q 2000 to remove operator action credit during surveillance testing. Color unaffected.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

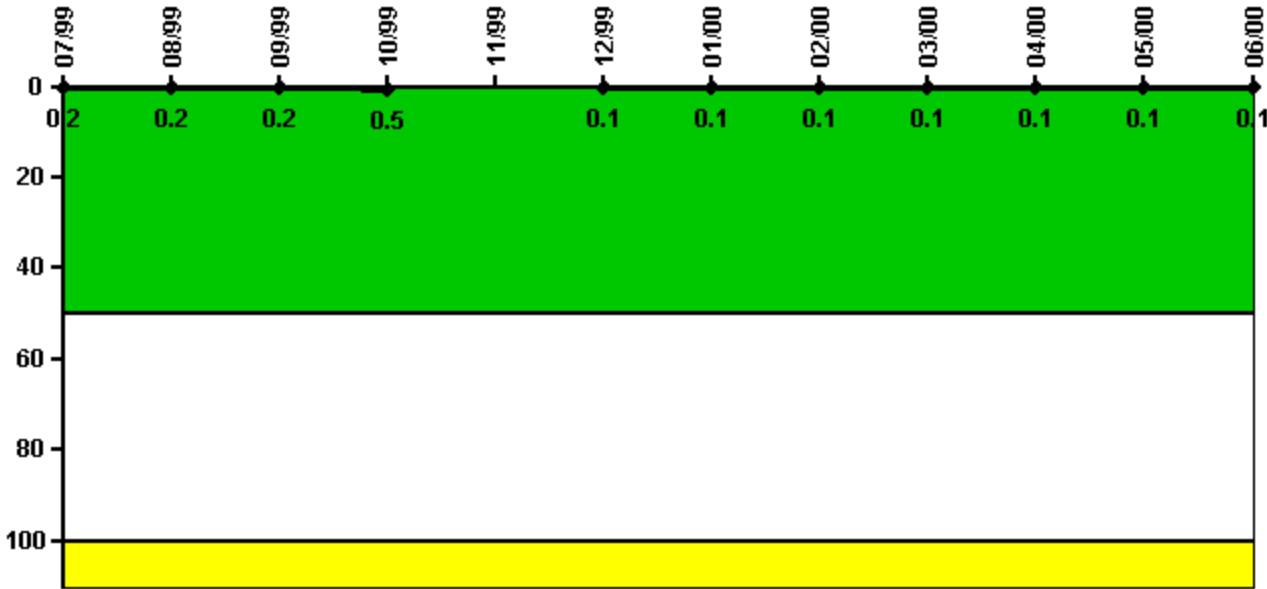
#### Notes

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

Licensee Comments:

2Q/00: SSFF removed from March 2000 data due to engineering analysis which determined safety function had not actually been lost. Licensee Event Report revised accordingly.

### Reactor Coolant System Activity



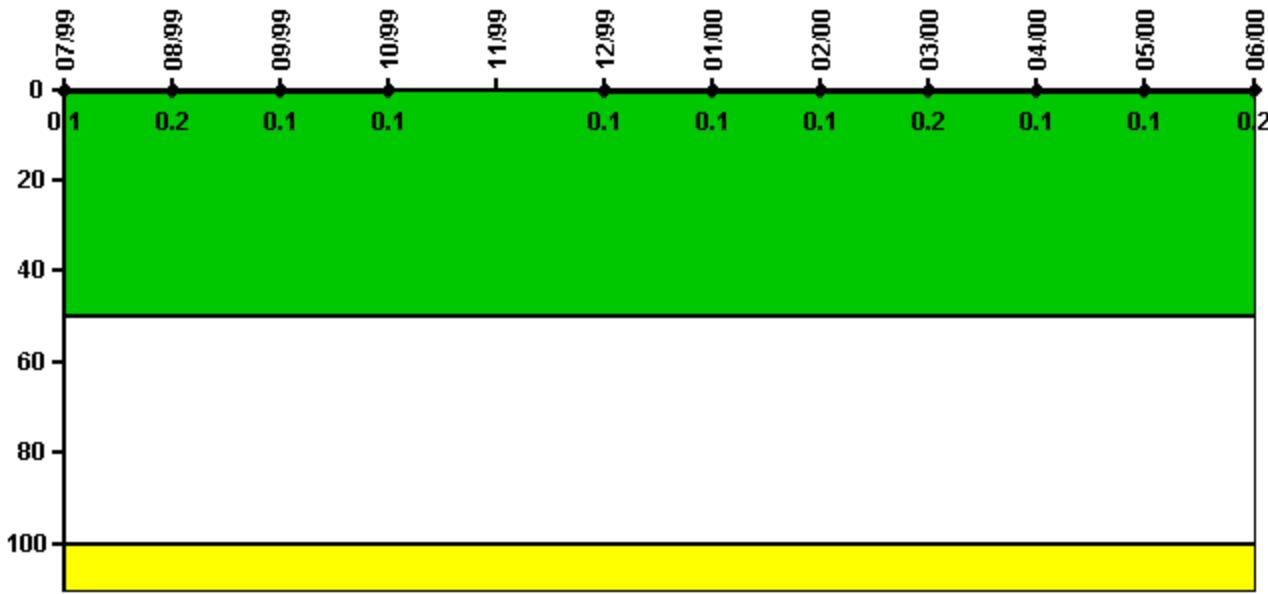
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000515	0.000573	0.000503	0.001550	N/A	0.000380	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.5</b>	N/A	<b>0.1</b>						

Licensee Comments: none

## Reactor Coolant System Leakage

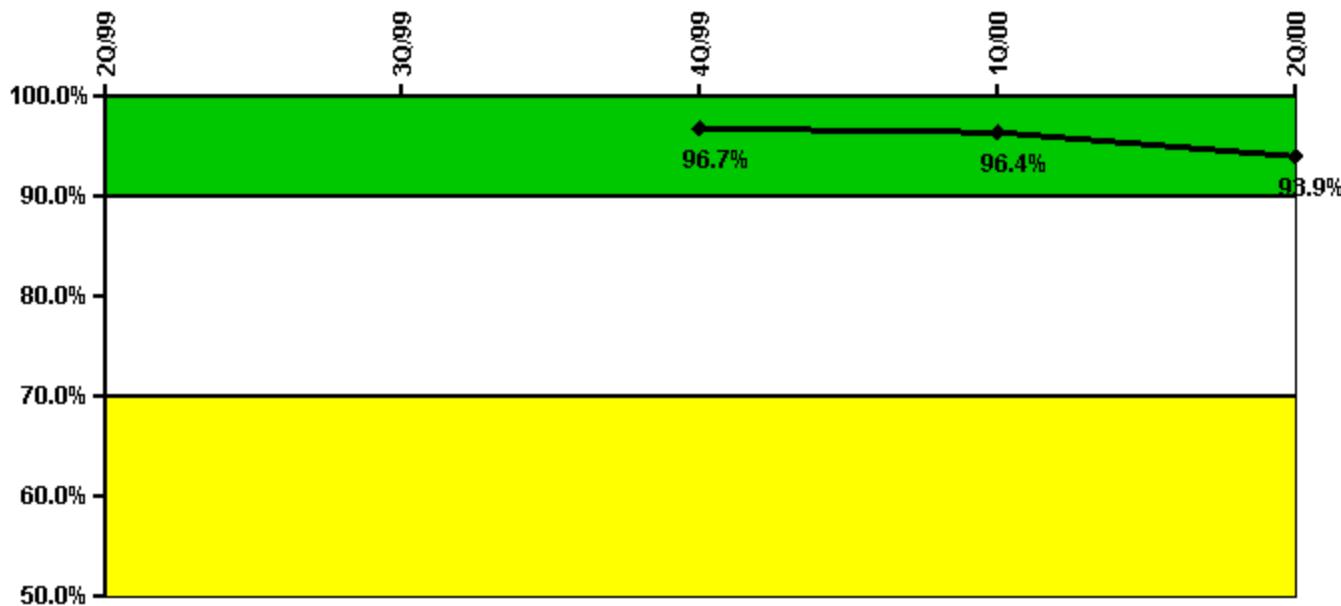


Thresholds: White > 50.0 Yellow > 100.0

### 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	0.010	0.018	0.011	0.006	N/A	0.011	0.012	0.012	0.020	0.013	0.010	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.1	0.1	N/A	0.1	0.1	0.1	0.2	0.1	0.1	0.2

Licensee Comments: none

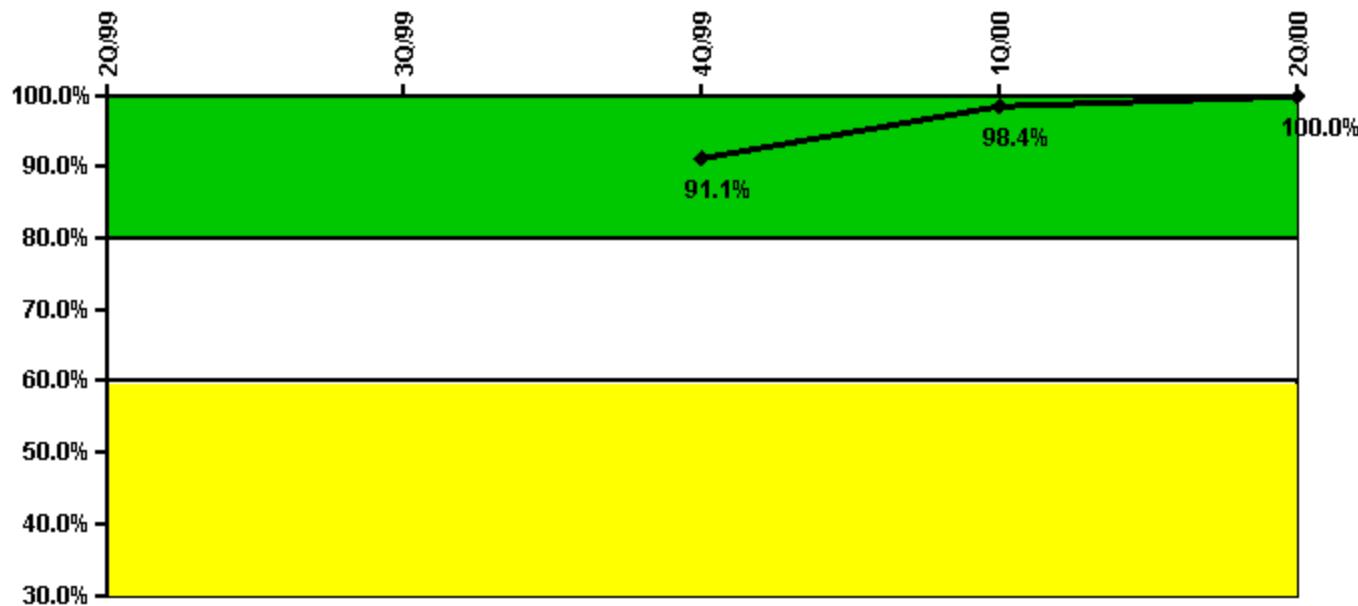
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	12.0	19.0	0	6.0	15.0
Total opportunities	12.0	20.0	0	6.0	18.0
Indicator value			96.7%	96.4%	93.9%

Licensee Comments: none

**ERO Drill Participation**

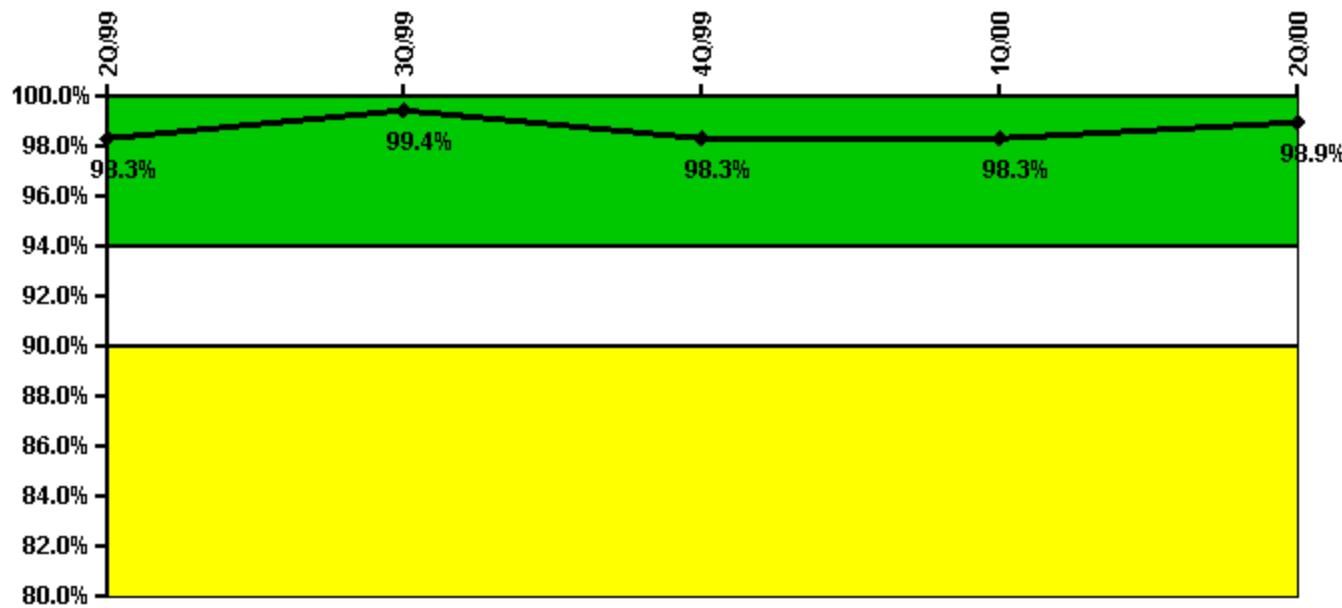
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			112.0	121.0	121.0
Total Key personnel			123.0	123.0	121.0
Indicator value			91.1%	98.4%	100.0%

Licensee Comments: none

### Alert & Notification System

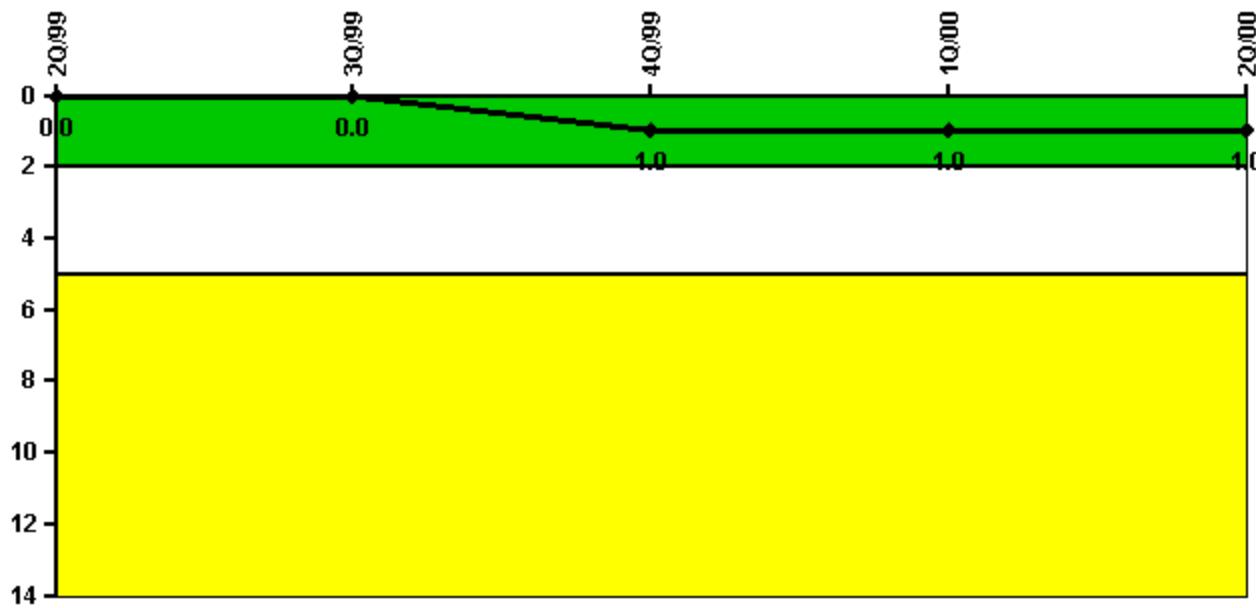


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	47	42	46	42	48
Total sirens-tests	48	42	48	42	48
Indicator value	98.3%	99.4%	98.3%	98.3%	98.9%

Licensee Comments: none

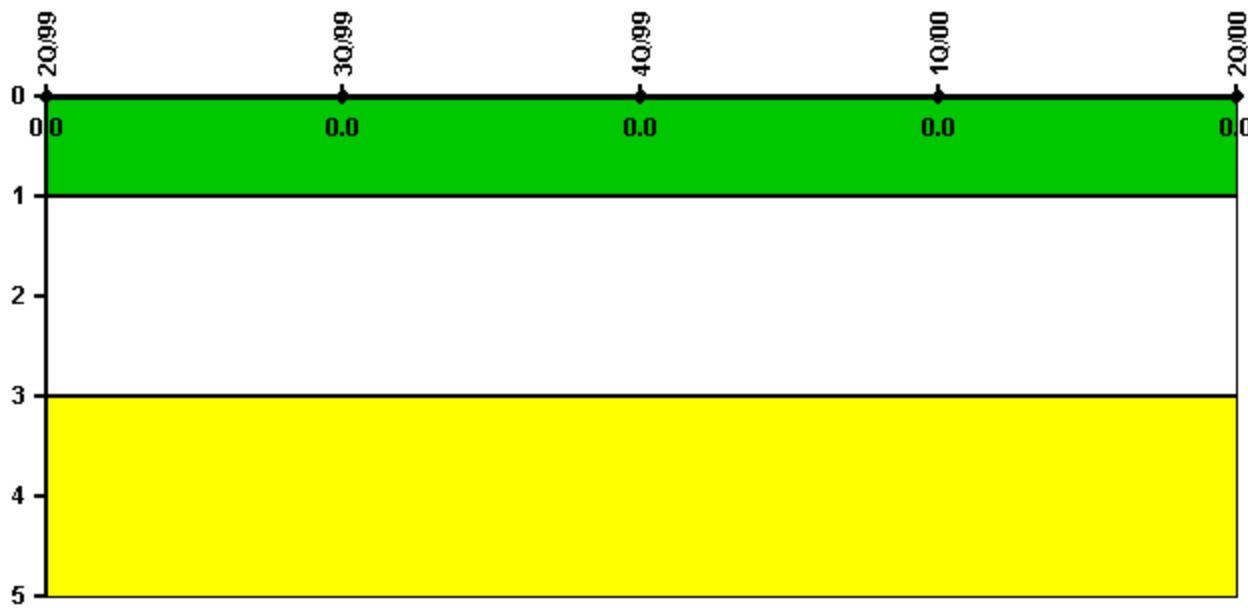
**Occupational Exposure Control Effectiveness**

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	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	1	0	0
Indicator value	0	0	1	1	1

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

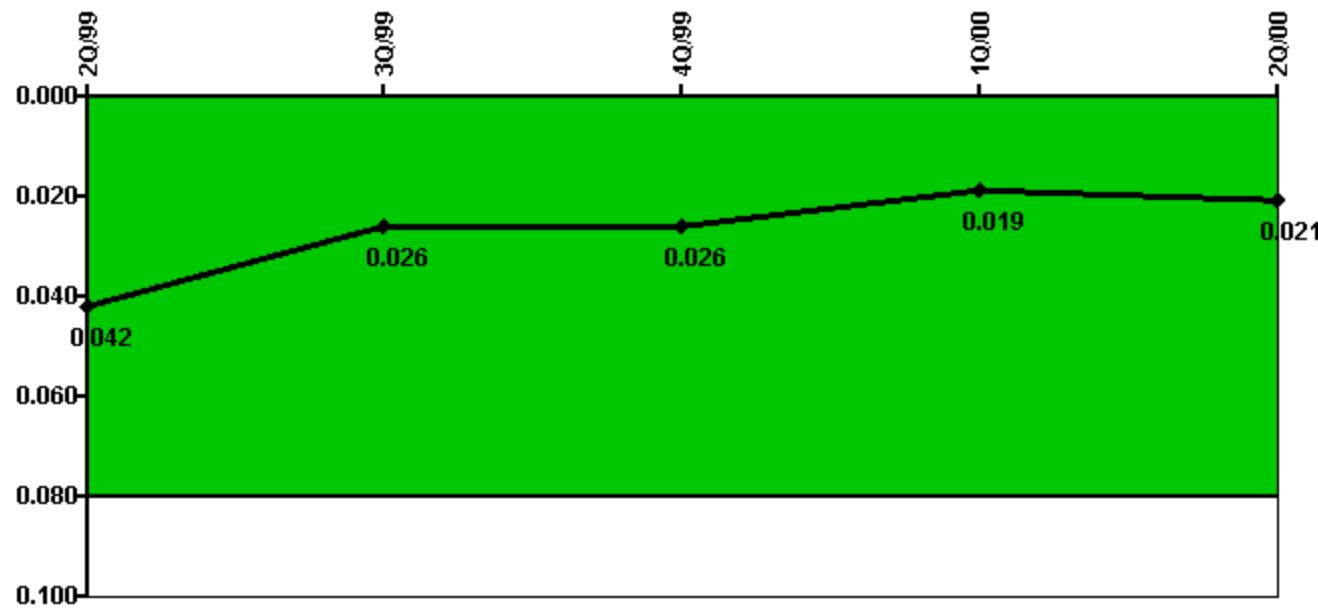
**Notes**

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

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### Protected Area Security Performance Index



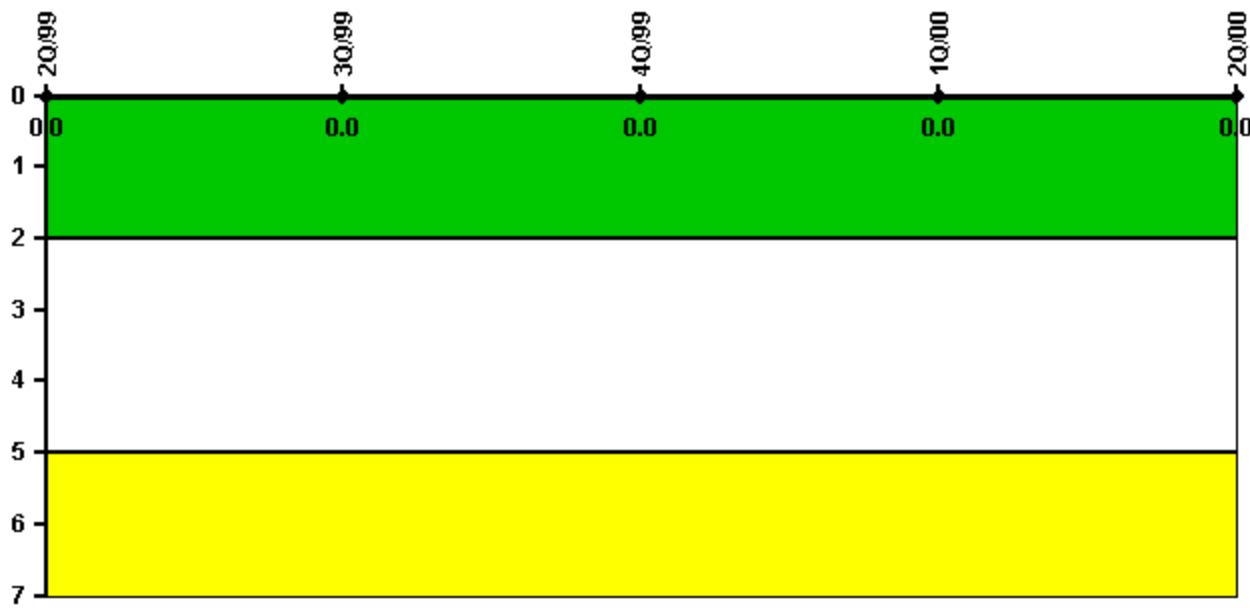
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	109.40	120.90	87.50	6.30	231.40
CCTV compensatory hours	53.8	69.6	35.5	17.0	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
Index Value	0.042	0.026	0.026	0.019	0.021

Licensee Comments: none

## Personnel Screening Program



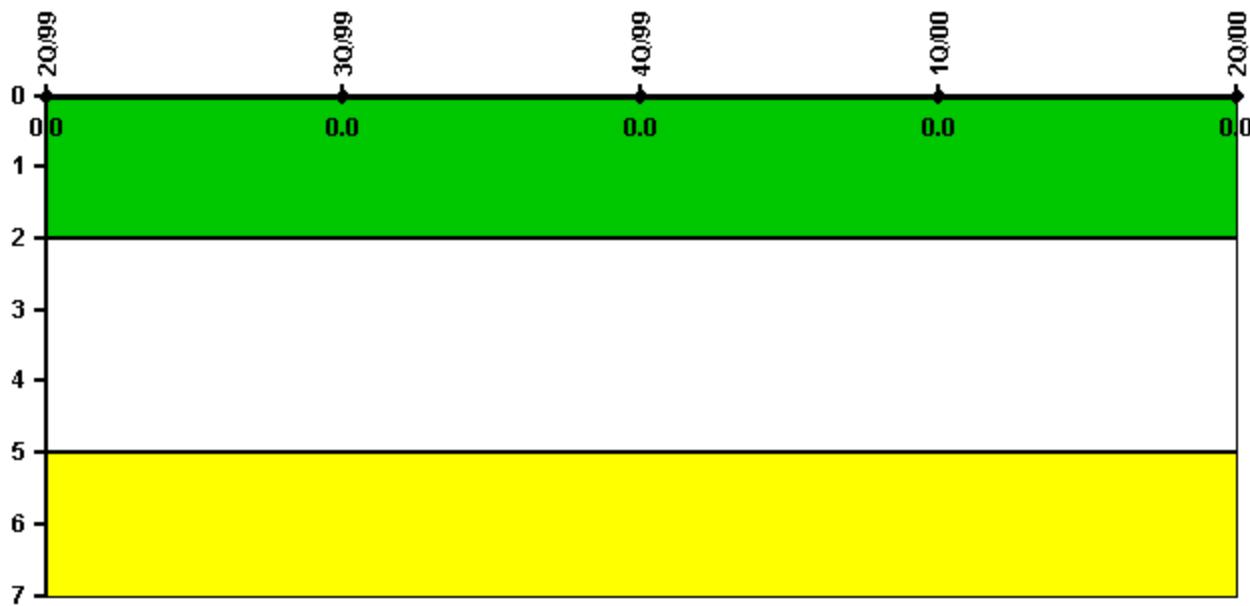
Thresholds: White > 2.0 Yellow > 5.0

### 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

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**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

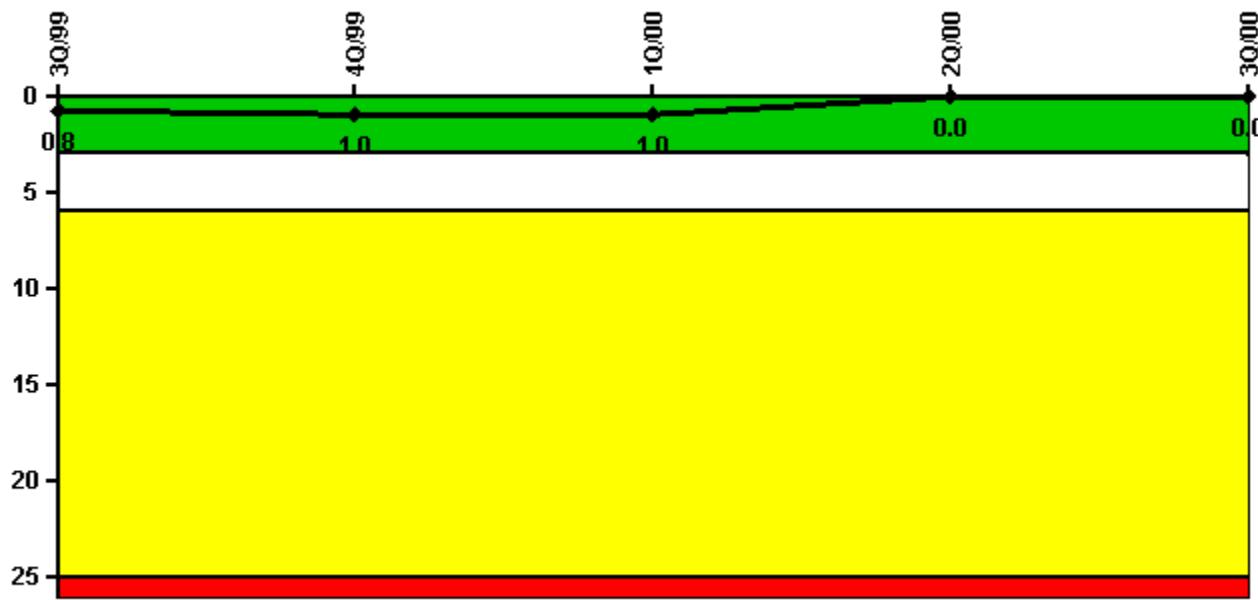


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

**Farley 2****3Q/2000 Performance Indicators**

Licensee's General Comments: none

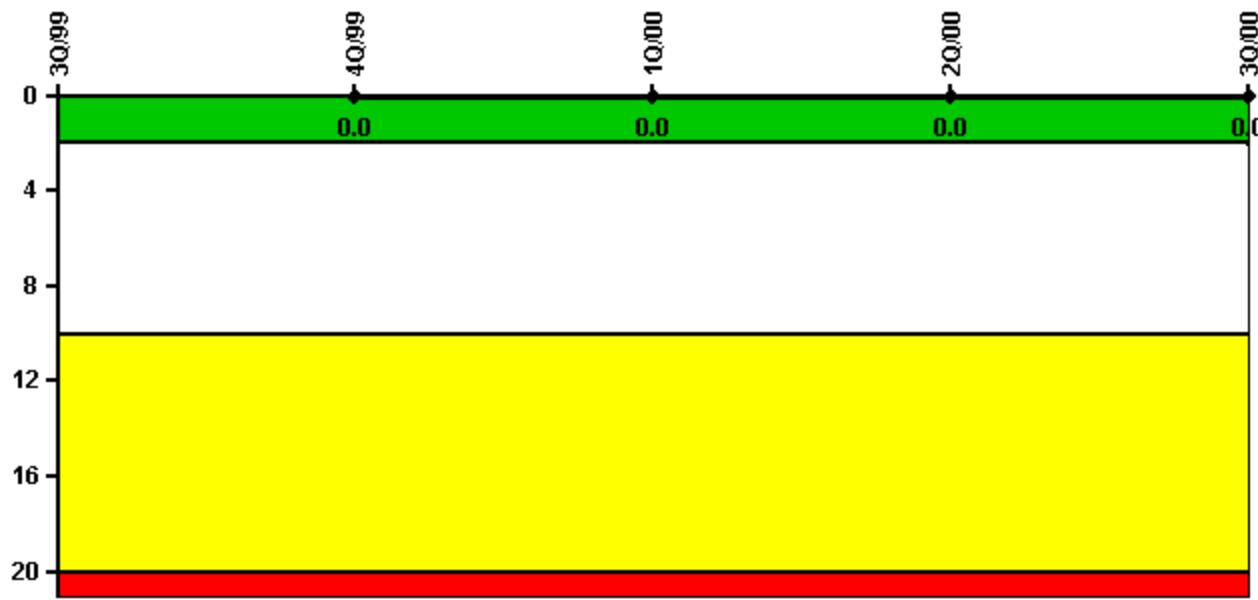
**Unplanned Scrams per 7000 Critical Hrs**

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	0	0	0
Critical hours	2208.0	797.0	2184.0	2183.0	2208.0
Indicator value	0.8	1.0	1.0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

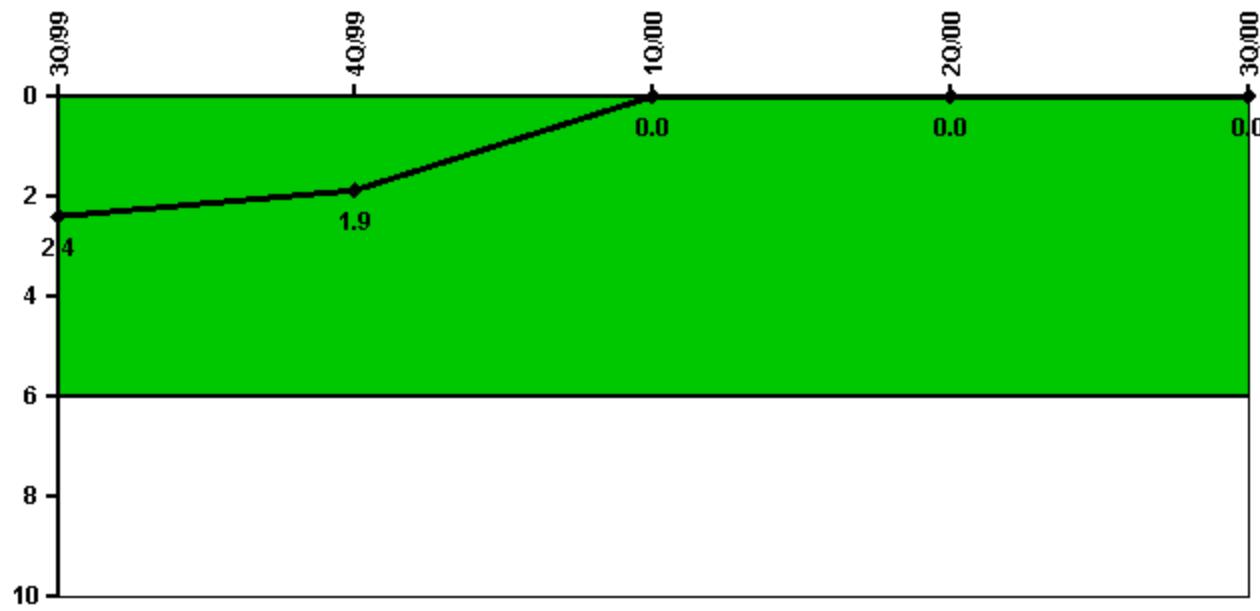
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

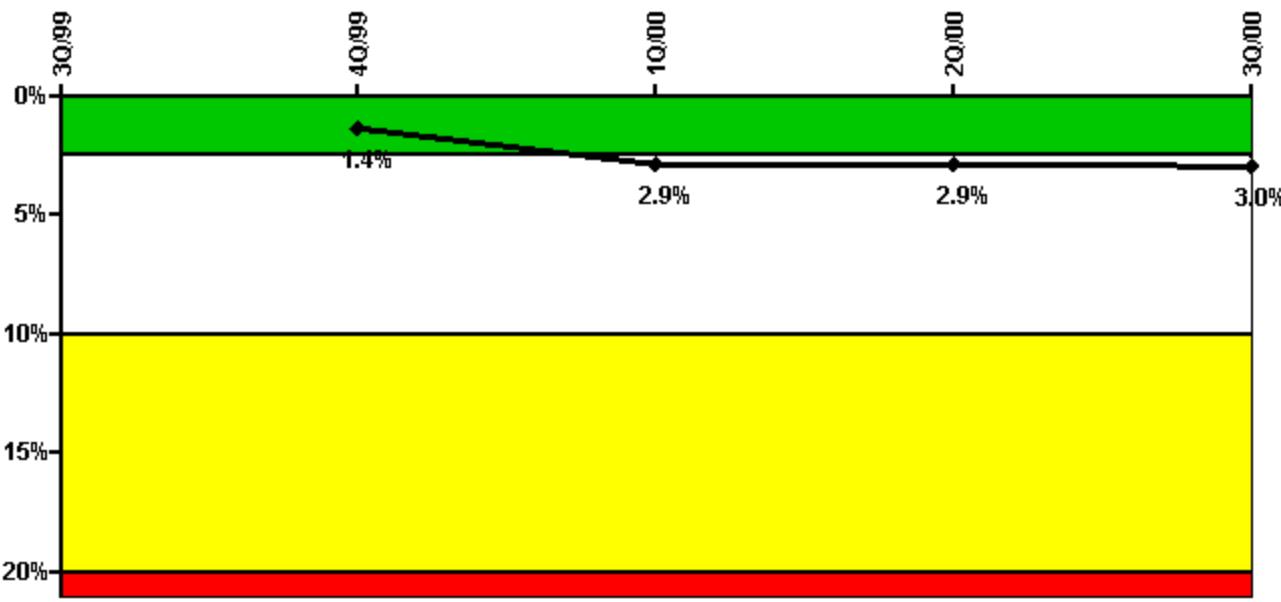
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	797.0	2184.0	2183.0	2208.0
Indicator value	2.4	1.9	0	0	0

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	1.00	19.60	9.60	132.50
Unplanned unavailable hours	0	0	6.50	0	0.60
Fault exposure hours	0	0	1038.40	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	0.30	3.40	8.00
Unplanned unavailable hours	0	0	58.10	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	252.20	4.60	101.70	3.10	0
Unplanned unavailable hours	0	6.90	0	7.80	13.50
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>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>

### Licensee Comments:

3Q/00: One of 3 diesel generators unavailable (Q1 2000) due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. White threshold entered Q1 2000. Minor calculation correction (0.3 Hrs) made Q2 2000 to March 2000 data. Color (white) unaffected.

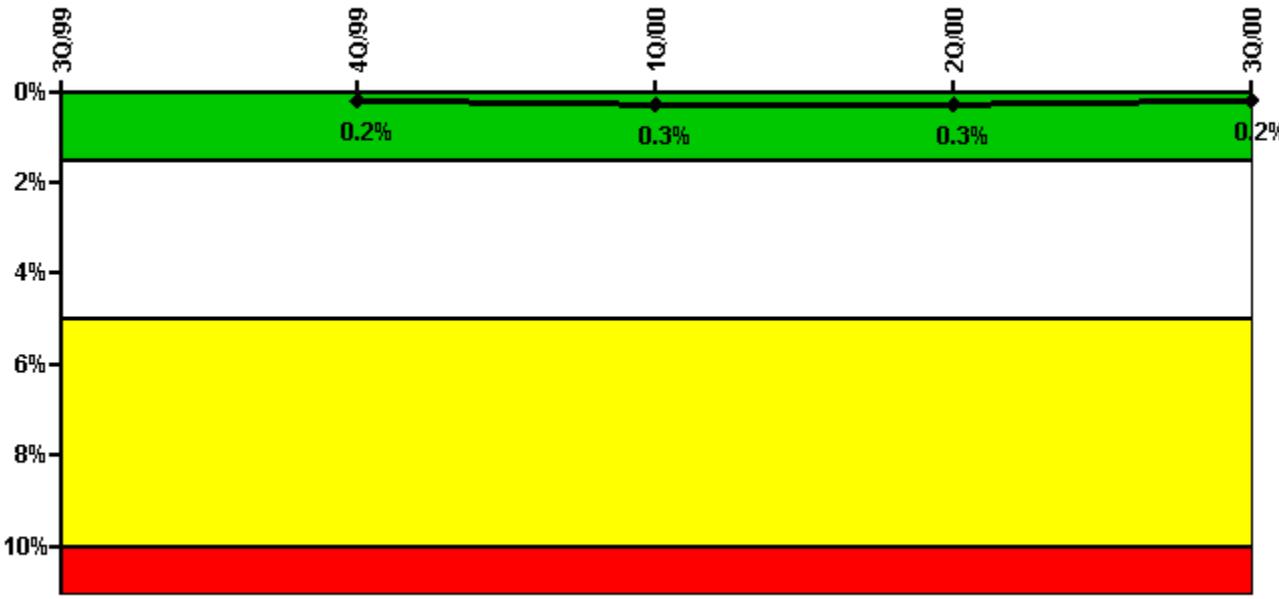
2Q/00: One of 3 diesel generators unavailable (Q1 2000) due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. White threshold entered Q1 2000. Minor calculation correction

(0.3 Hrs) made Q2 2000 to March 2000 data. Color (white) unaffected. Minor correction made Q3 2000 to remove operator action credits. Color unaffected.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

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



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

### Notes

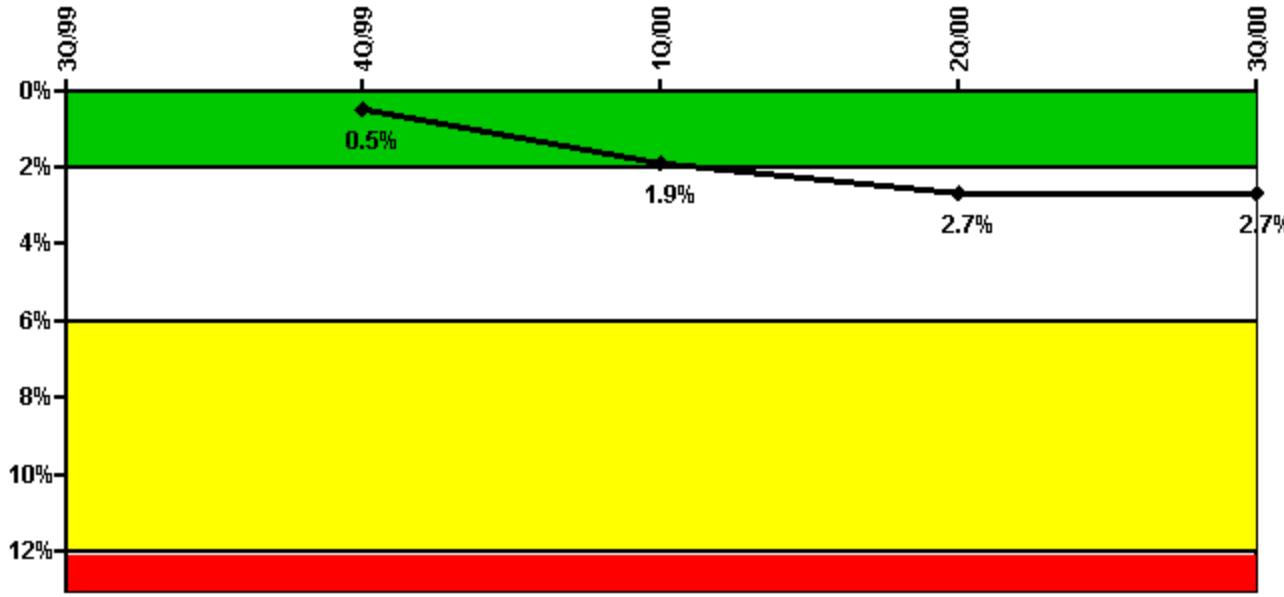
Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	0	0	0	3.20	6.40
Unplanned unavailable hours	0	0	0	0	0.60
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	797.00	2184.00	2183.00	2208.00
<b>Train 2</b>					
Planned unavailable hours	0	0	0.30	6.00	6.40
Unplanned unavailable hours	0	0	58.10	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	797.00	2184.00	2183.00	2208.00
<b>Indicator value</b>			<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>
					<b>0.2%</b>

## Licensee Comments:

3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Added Reactor Protection System testing hours with 1Q2001 report. Color unaffected.

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>						
Planned unavailable hours		5.60	2.30	4.40	6.50	7.10
Unplanned unavailable hours		0	0	11.40	0	0.60
Fault exposure hours		0	0	668.90	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	797.00	2184.00	2183.00	2208.00
<b>Train 2</b>						
Planned unavailable hours		7.60	0.70	0.30	12.10	7.00
Unplanned unavailable hours		0	0	58.10	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	797.00	2184.00	2183.00	2208.00
<b>Train 3</b>						
Planned unavailable hours		22.00	0	19.60	3.20	4.30
Unplanned unavailable hours		0	0	17.30	56.30	0
Fault exposure hours		0	0	234.50	515.00	0
Effective Reset hours		0	0	0	0	0

Required hours	2208.00	797.00	2184.00	2183.00	2208.00
Indicator value		0.5%	1.9%	2.7%	2.7%

## Licensee Comments:

3Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data.

3Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected. 126.1 hours of April Fault Exposure Hours removed with Q2 2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

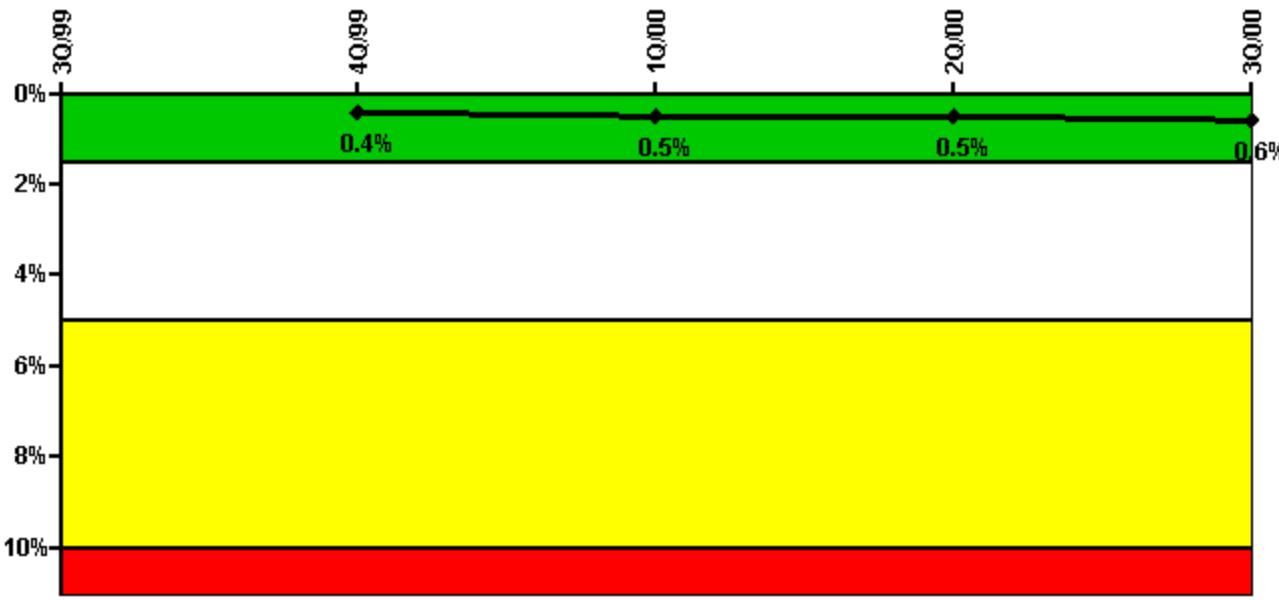
1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

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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/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>						
Planned unavailable hours		11.80	0.30	9.70	3.80	20.70
Unplanned unavailable hours		0	0	12.00	3.60	0.60
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		7.80	0.70	7.20	7.60	21.70
Unplanned unavailable hours		0	0	58.10	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>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>

### Licensee Comments:

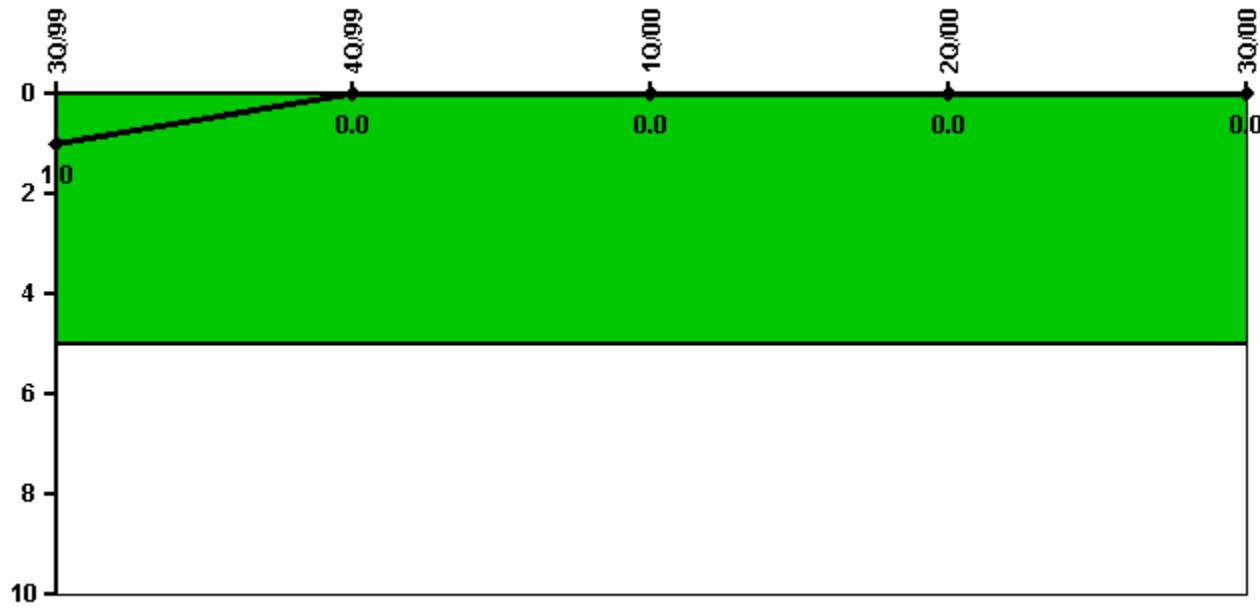
3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected.

1Q/00: Minor adjustment made 3Q 2000 to remove operator action credit during surveillance testing. Color unaffected.

### Safety System Functional Failures (PWR)

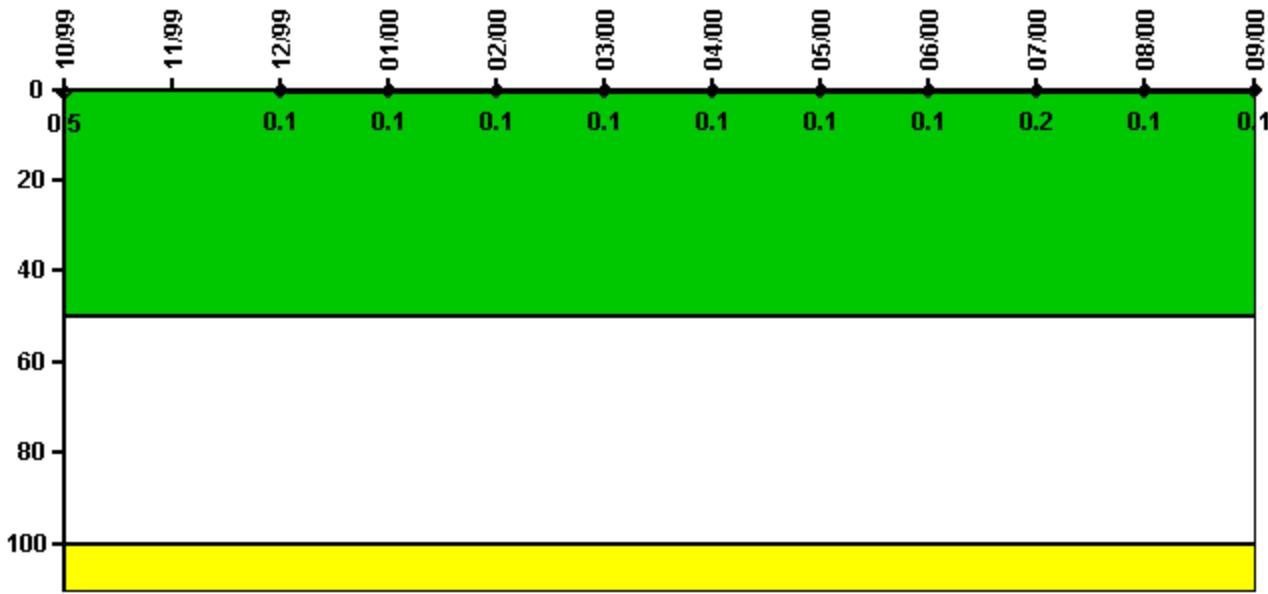


Thresholds: White > 5.0

#### Notes

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

Licensee Comments: none

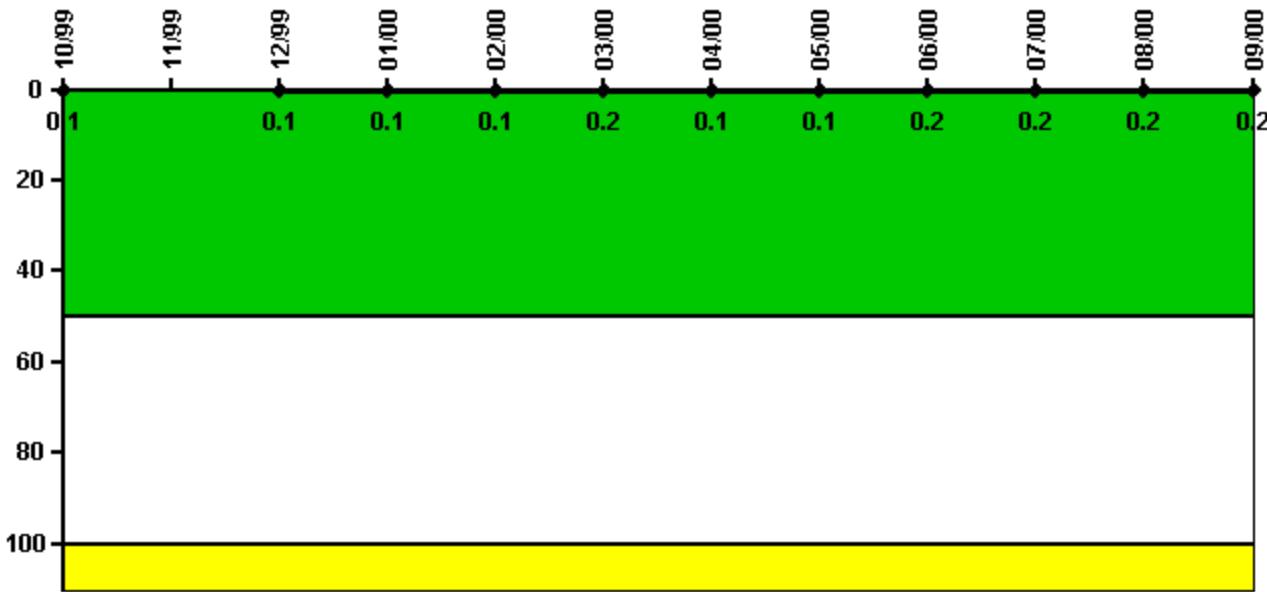
**Reactor Coolant System Activity**

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	0.001550	N/A	0.000380	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	<b>0.5</b>	N/A	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>							

Licensee Comments: none

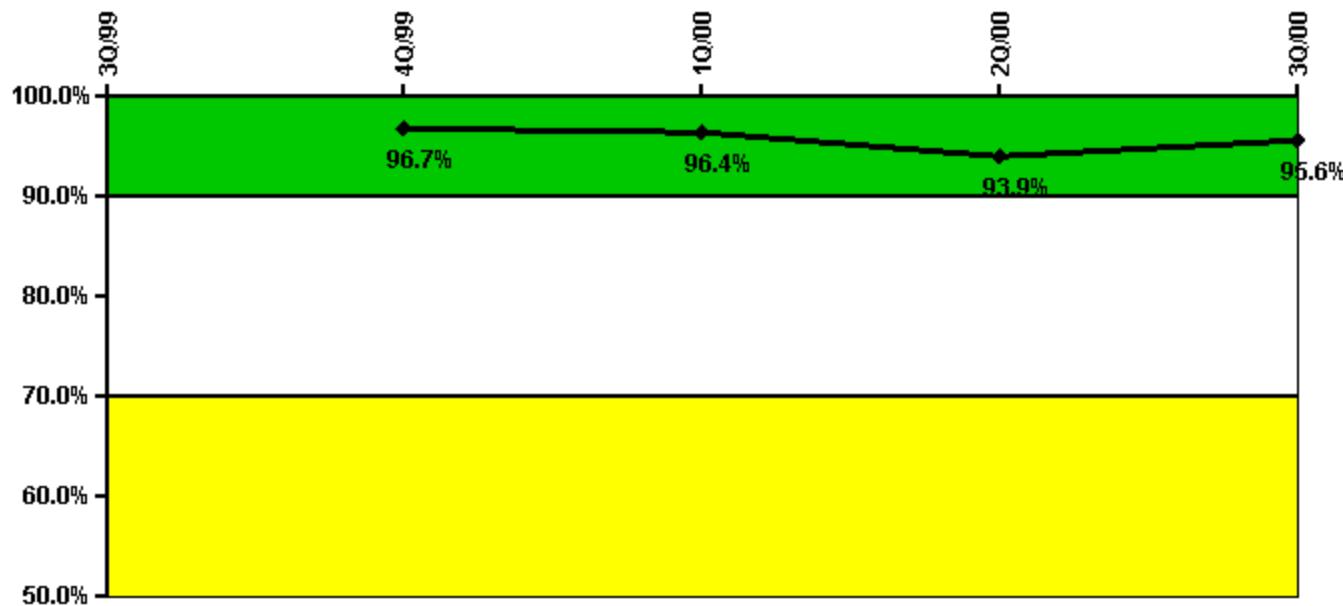
**Reactor Coolant System Leakage**

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	0.006	N/A	0.011	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2

Licensee Comments: none

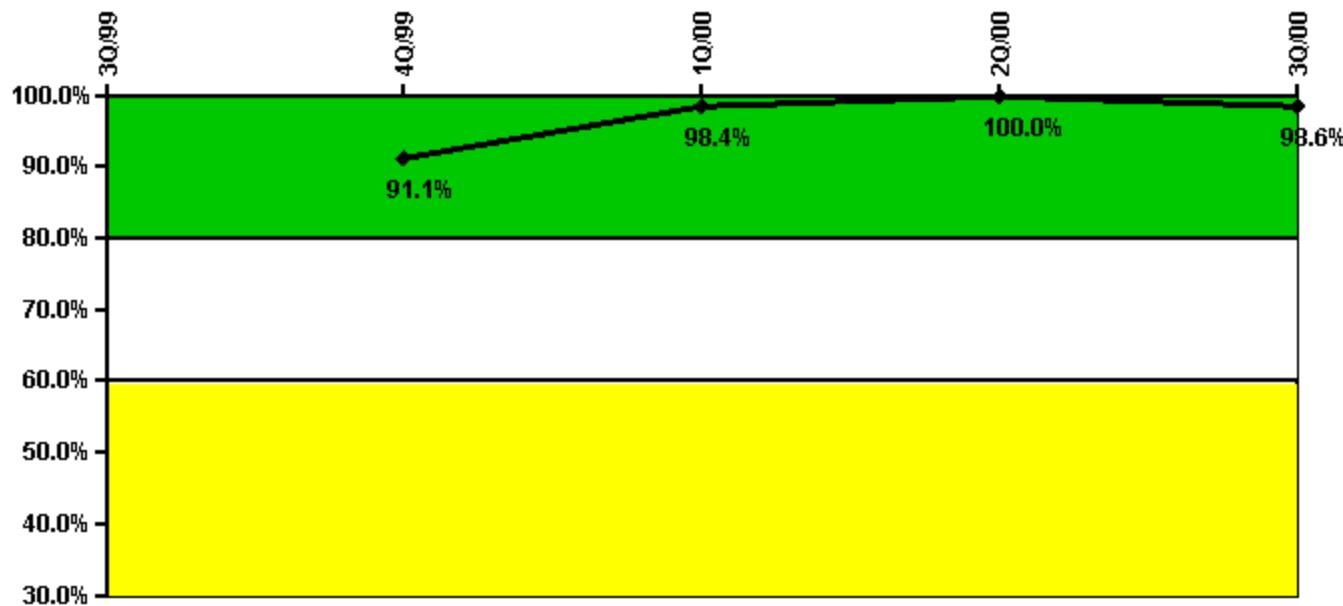
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	19.0	0	6.0	15.0	65.0
Total opportunities	20.0	0	6.0	18.0	66.0
Indicator value		96.7%	96.4%	93.9%	95.6%

Licensee Comments: none

**ERO Drill Participation**

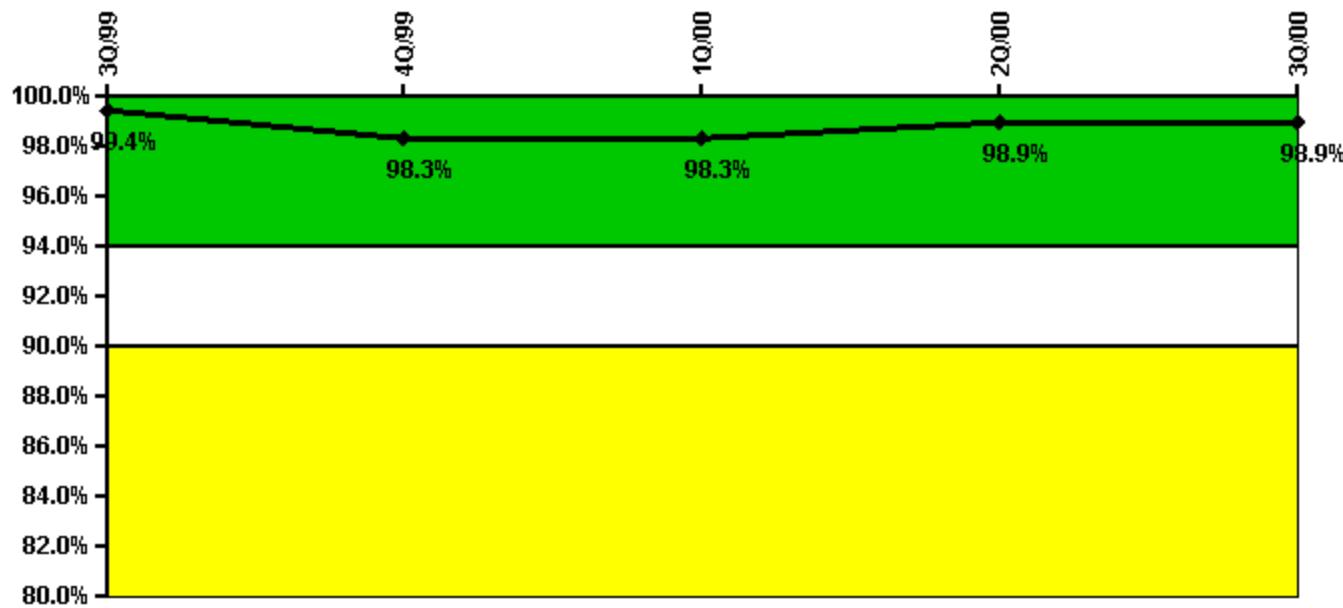
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		112.0	121.0	121.0	141.0
Total Key personnel		123.0	123.0	121.0	143.0
Indicator value		91.1%	98.4%	100.0%	98.6%

Licensee Comments: none

### Alert & Notification System

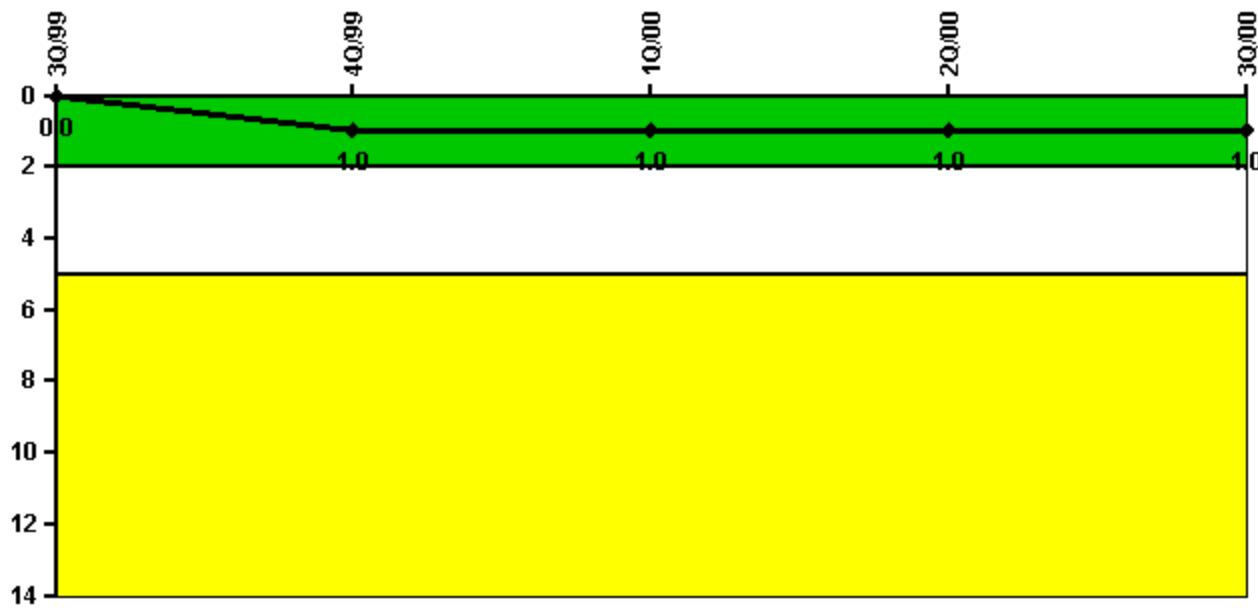


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	42	46	42	48	42
Total sirens-tests	42	48	42	48	42
Indicator value	99.4%	98.3%	98.3%	98.9%	98.9%

Licensee Comments: none

**Occupational Exposure Control Effectiveness**

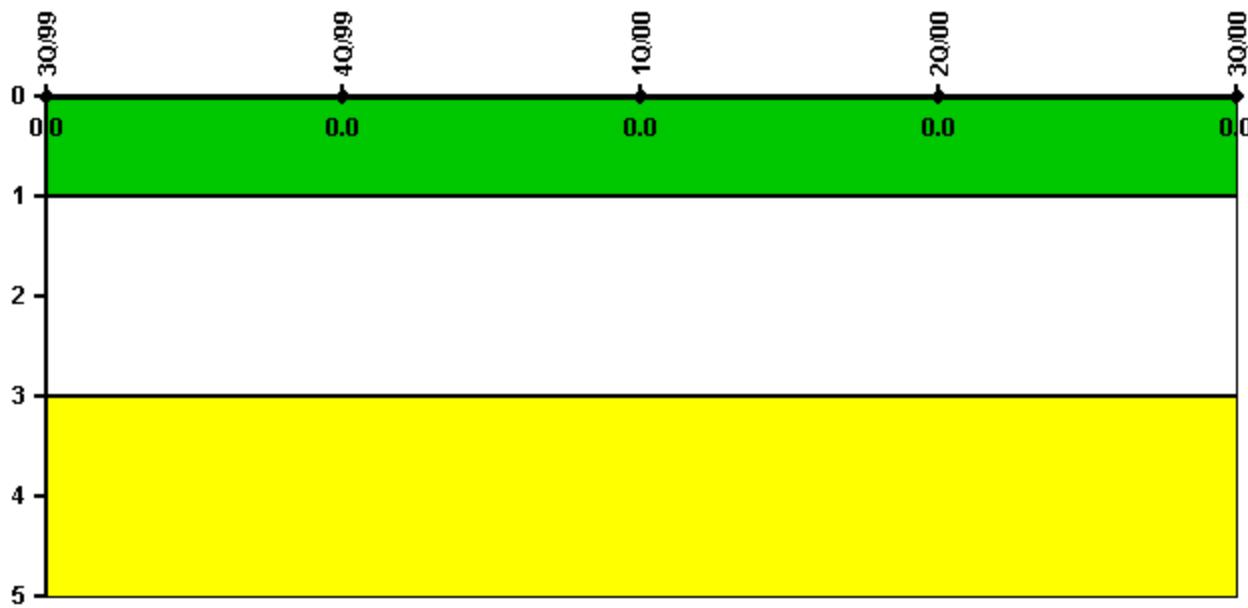
Thresholds: White > 2.0 Yellow > 5.0

**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	1	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

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

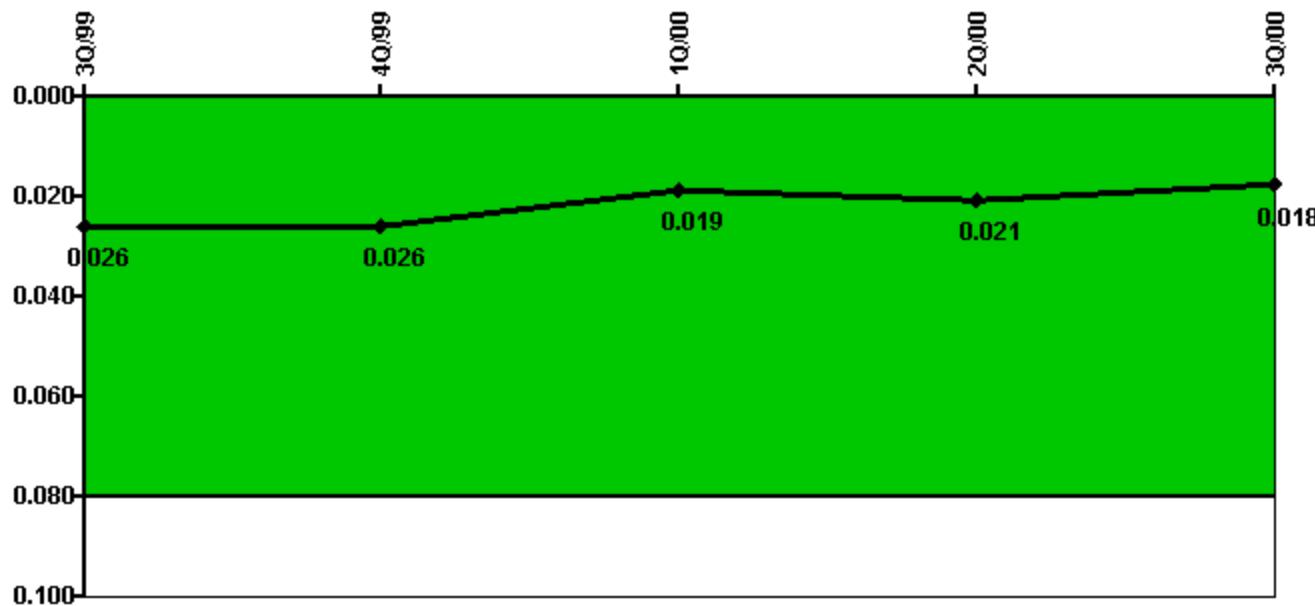
**Notes**

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



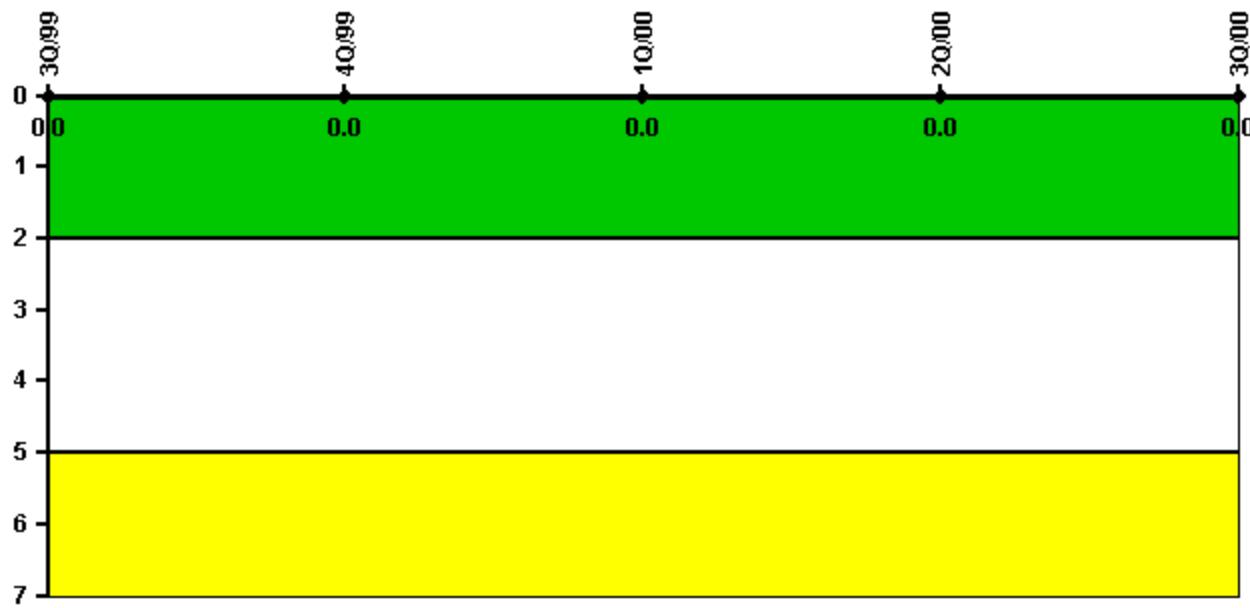
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	120.90	87.50	6.30	231.40	119.10
CCTV compensatory hours	69.6	35.5	17.0	0	20.7
IDS normalization factor	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.026</b>	<b>0.026</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>

Licensee Comments: none

### Personnel Screening Program



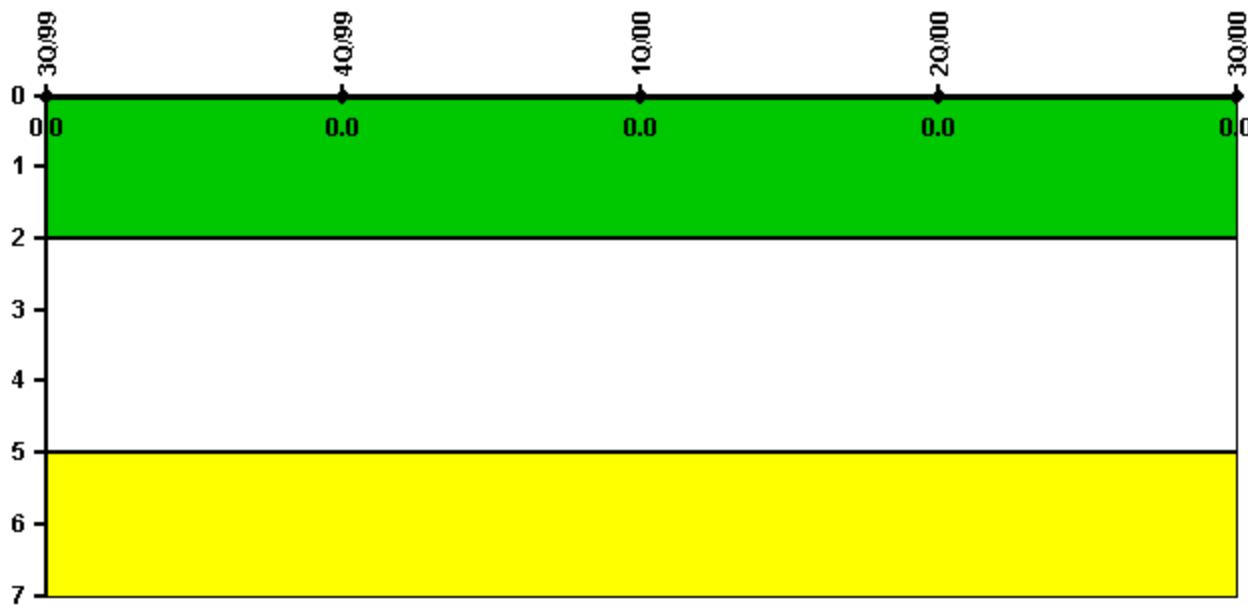
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

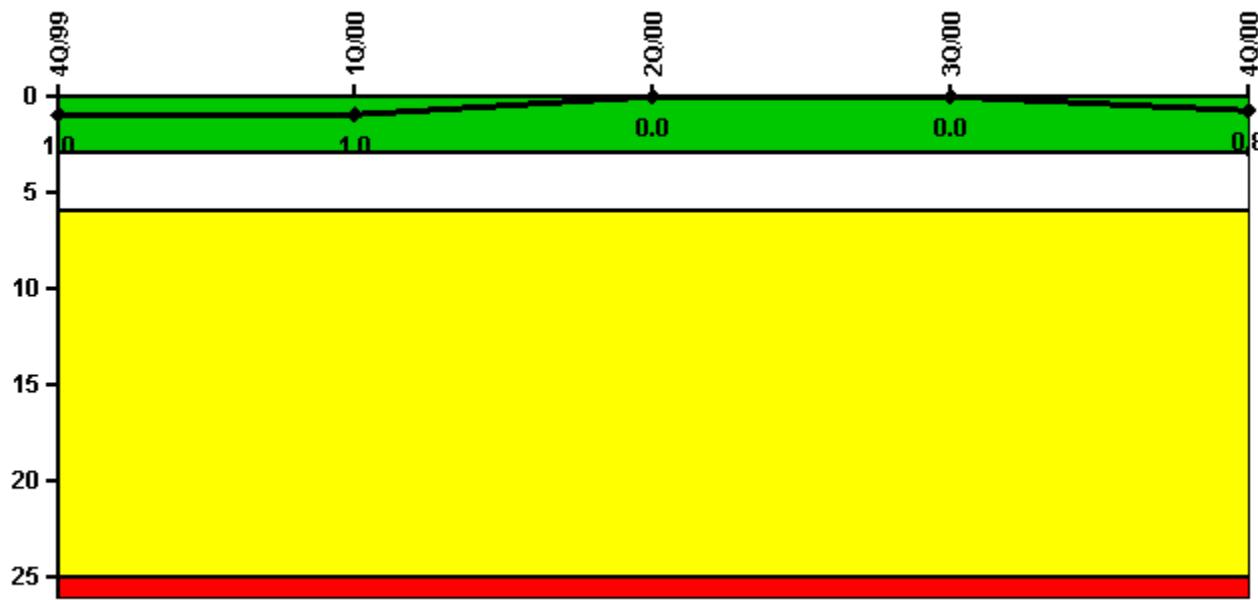


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 29, 2002

**Farley 2****4Q/2000 Performance Indicators**

Licensee's General Comments: none

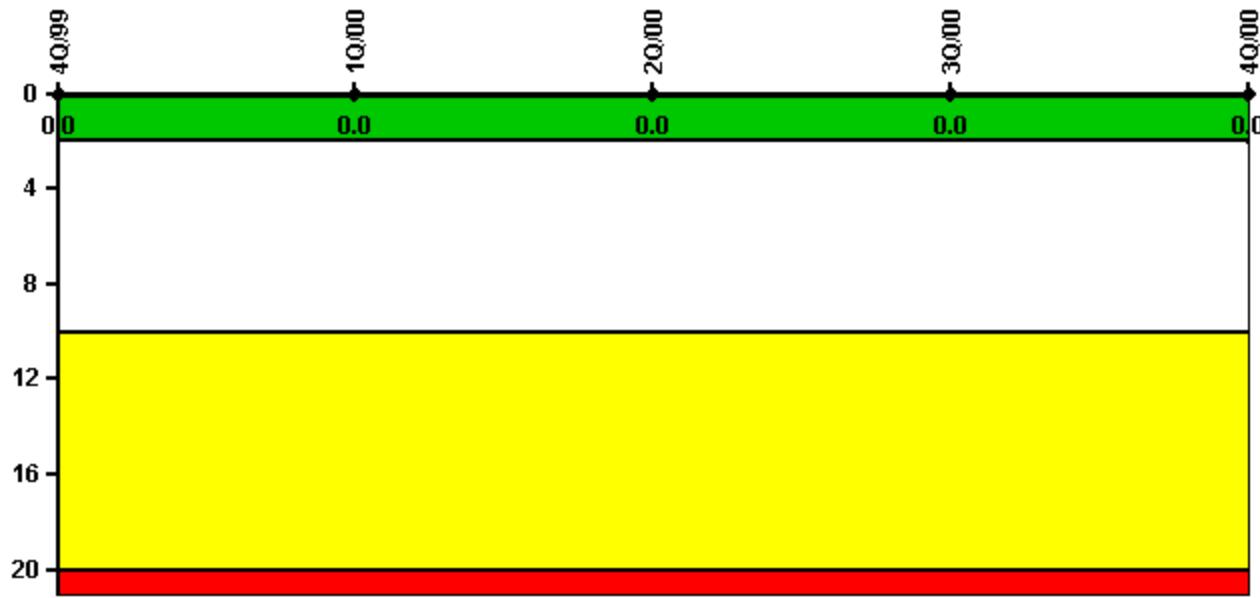
**Unplanned Scrams per 7000 Critical Hrs**

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	0	0	0	1.0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7
Indicator value	1.0	1.0	0	0	0.8

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

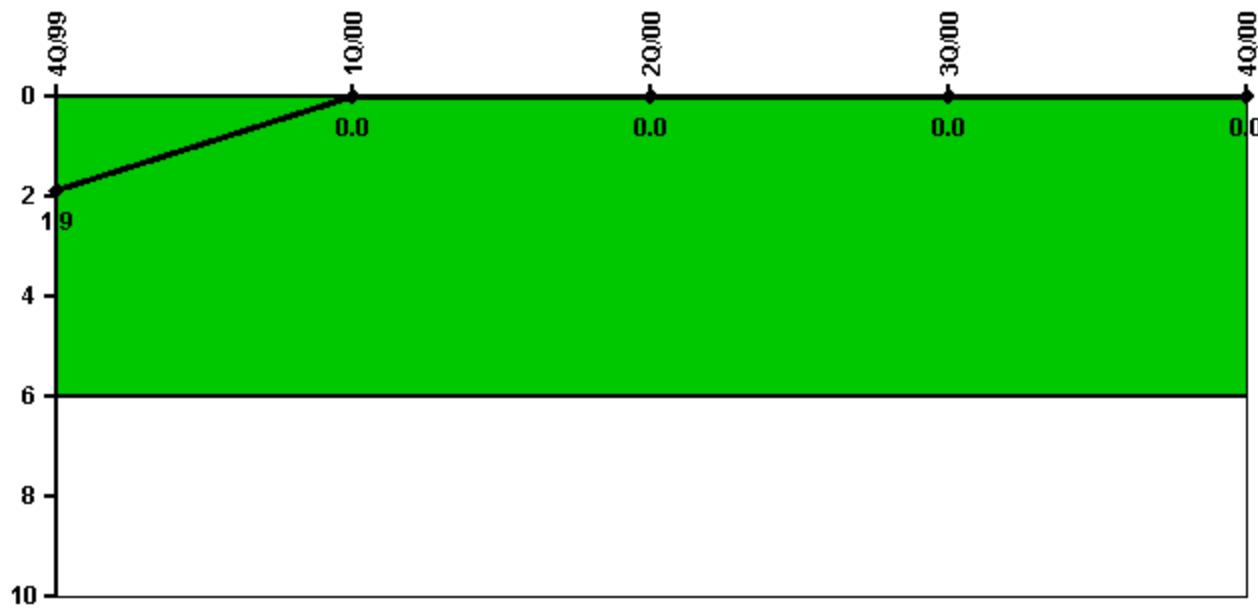
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

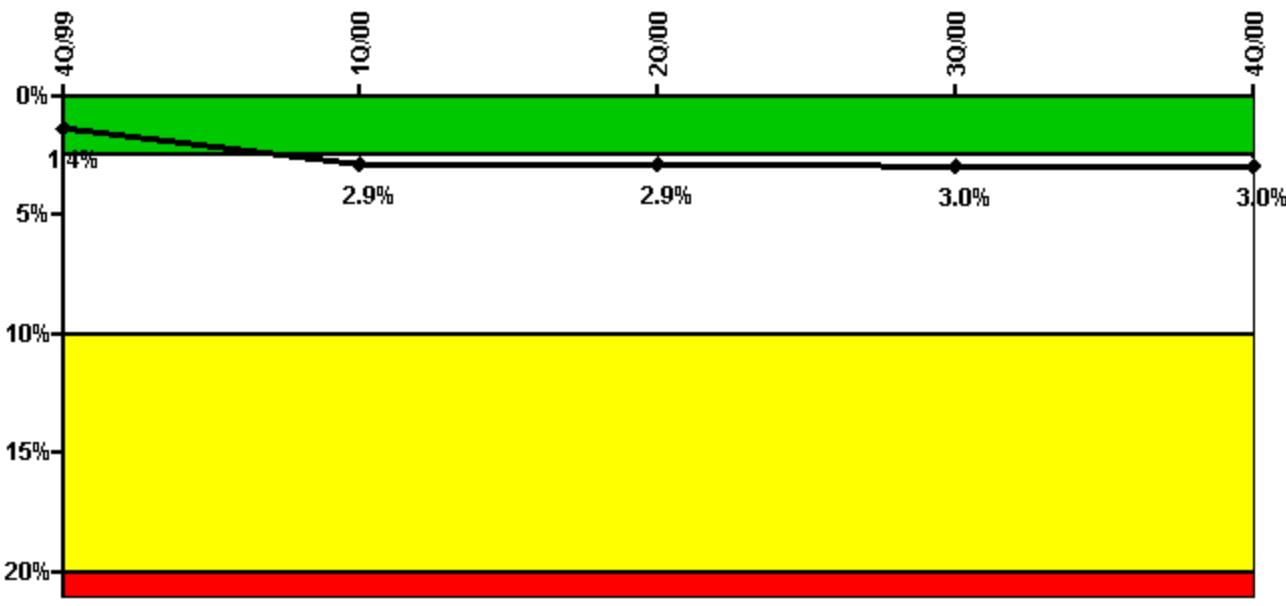
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7
Indicator value	1.9	0	0	0	0

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
<b>Train 1</b>					
Planned unavailable hours	1.00	19.60	9.60	132.50	192.90
Unplanned unavailable hours	0	6.50	0	0.60	0
Fault exposure hours	0	1038.40	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	0.30	3.40	8.00	19.00
Unplanned unavailable hours	0	58.10	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 3</b>					
Planned unavailable hours	4.60	101.70	3.10	0	0.70
Unplanned unavailable hours	6.90	0	7.80	13.50	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>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>

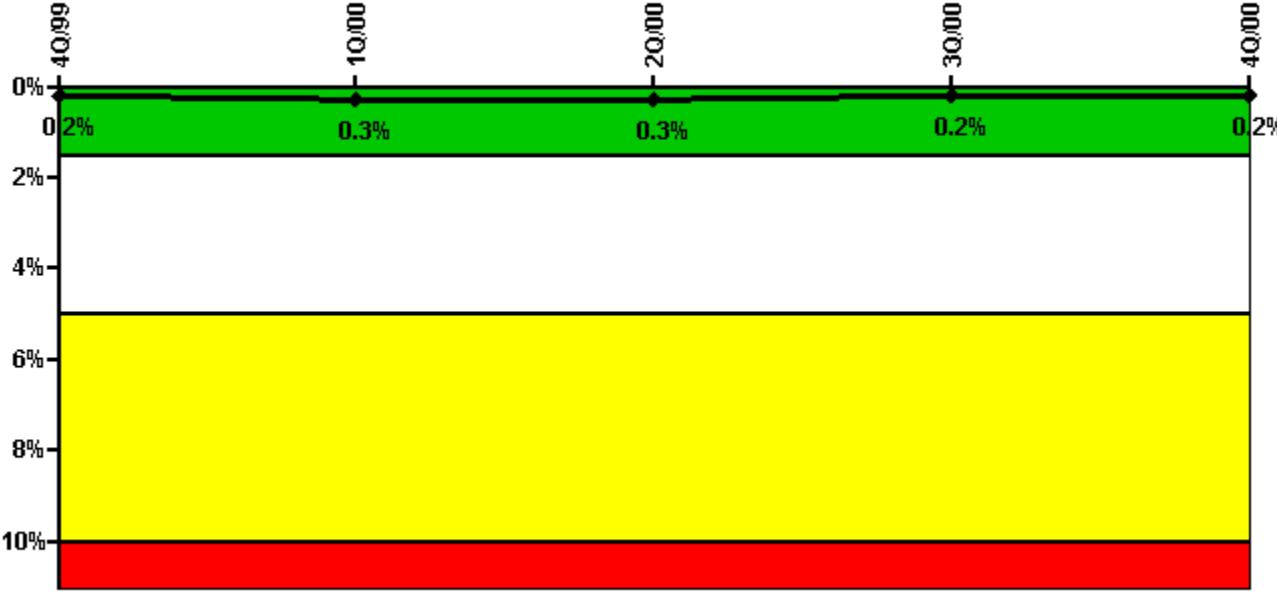
### Licensee Comments:

4Q/00: One of 3 diesel generators unavailable (Q1 2000) due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. White threshold entered Q1 2000.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

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



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

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>						
Planned unavailable hours		0	0	3.20	6.40	6.00
Unplanned unavailable hours		0	0	0	0.60	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		797.00	2184.00	2183.00	2208.00	2175.67
<b>Train 2</b>						
Planned unavailable hours		0	0.30	6.00	6.40	2.20
Unplanned unavailable hours		0	58.10	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		797.00	2184.00	2183.00	2208.00	2175.67
<b>Indicator value</b>		<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>

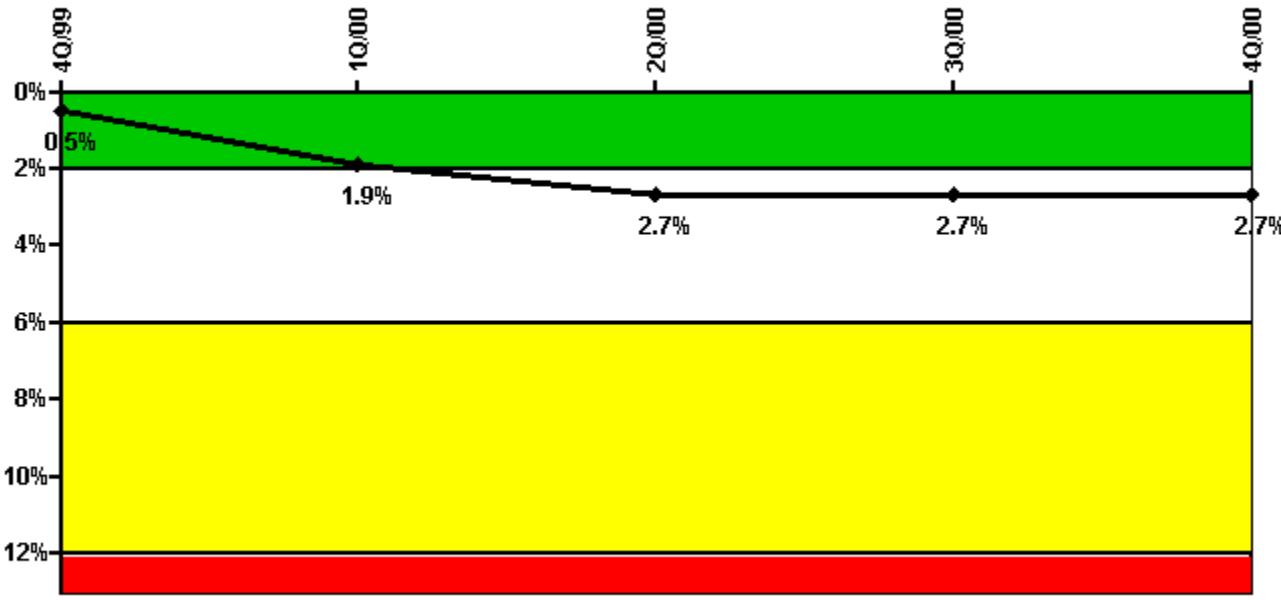
Licensee Comments:

4Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Added Reactor Protection System testing hours with 1Q2001 report. Color unaffected.

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)					
	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>					
Planned unavailable hours	2.30	4.40	6.50	7.10	4.30
Unplanned unavailable hours	0	11.40	0	0.60	0
Fault exposure hours	0	668.90	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67
<b>Train 2</b>					
Planned unavailable hours	0.70	0.30	12.10	7.00	21.60
Unplanned unavailable hours	0	58.10	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67
<b>Train 3</b>					
Planned unavailable hours	0	19.60	3.20	4.30	0.20
Unplanned unavailable hours	0	17.30	56.30	0	0
Fault exposure hours	0	234.50	515.00	0	0
Effective Reset hours	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67

Indicator value	0.5%	1.9%	2.7%	2.7%	2.7%
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## Licensee Comments:

4Q/00: WHITE threshold exceeded Q2 2000: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed.

4Q/00: WHITE threshold exceeded Q2 2000: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

3Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected. 126.1 hours of April Fault Exposure Hours removed with Q2 2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

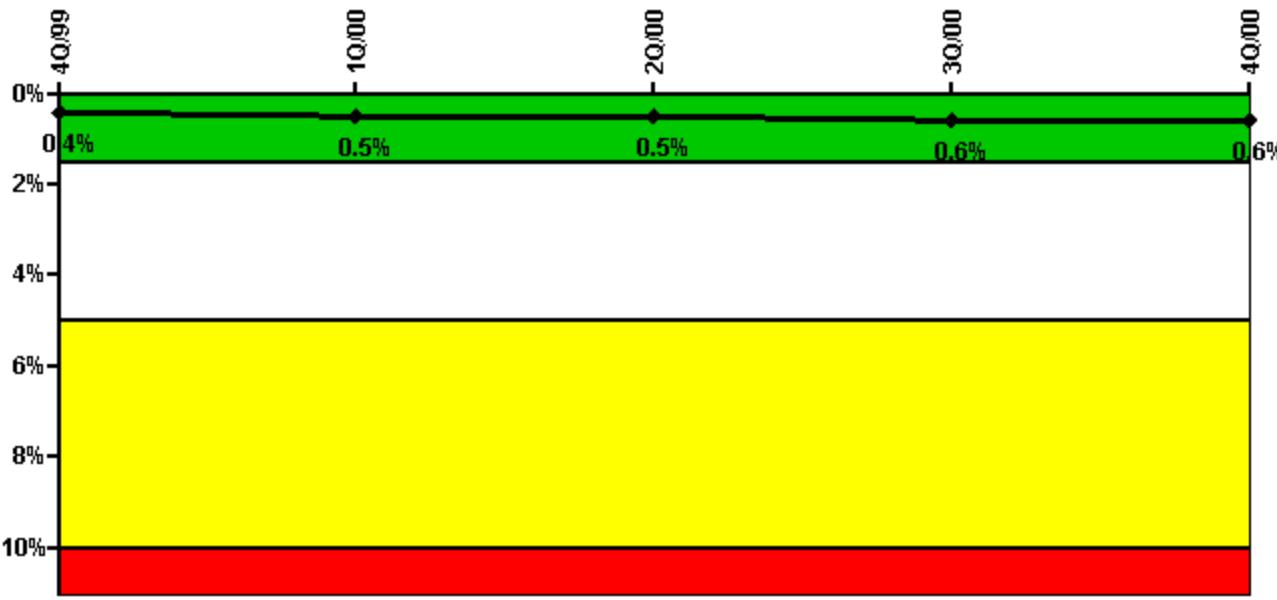
1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

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## Safety System Unavailability, Residual Heat Removal System



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

### Notes

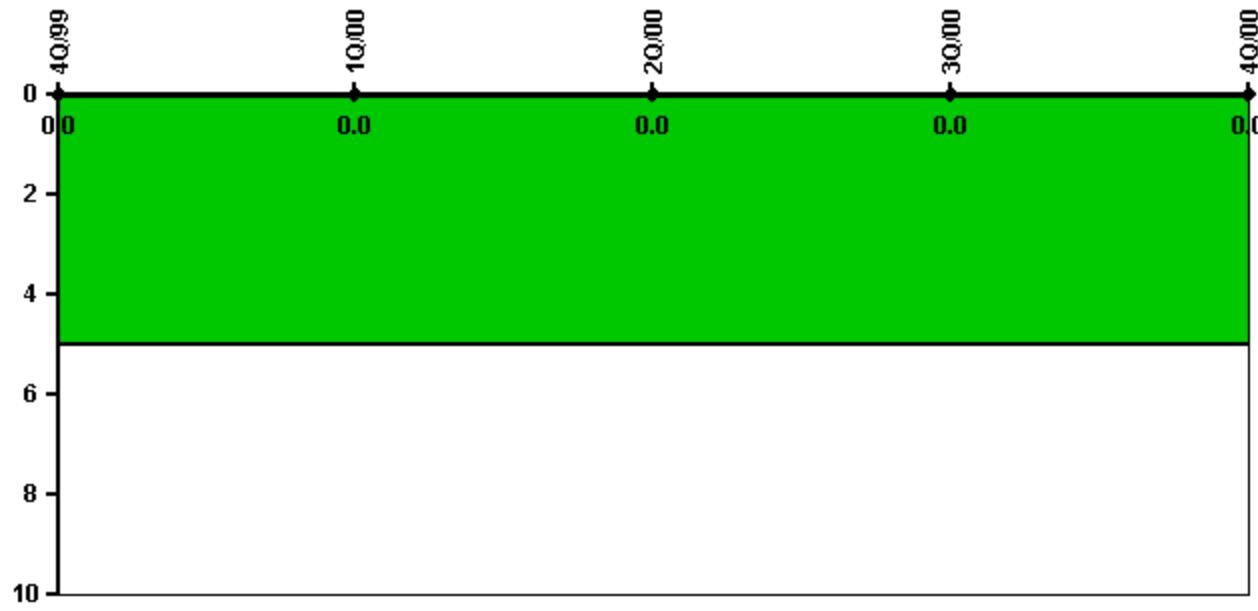
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
<b>Train 1</b>					
Planned unavailable hours	0.30	9.70	3.80	20.70	5.80
Unplanned unavailable hours	0	12.00	3.60	0.60	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>					
Planned unavailable hours	0.70	7.20	7.60	21.70	11.40
Unplanned unavailable hours	0	58.10	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>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments:

4Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected

3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

**Safety System Functional Failures (PWR)**

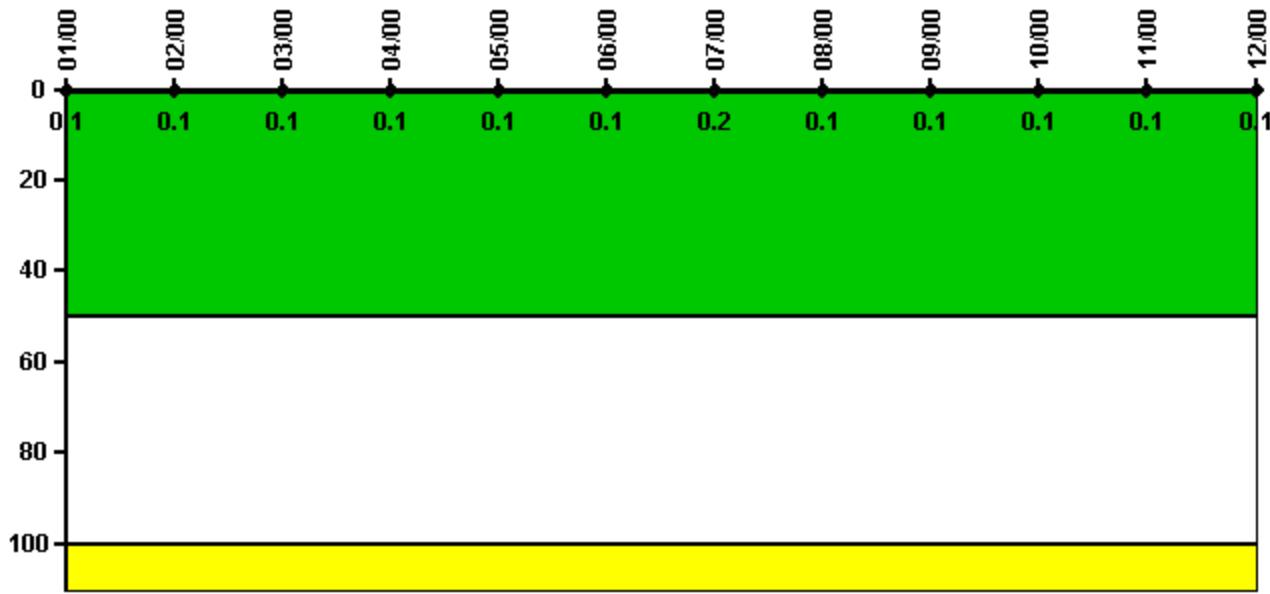
Thresholds: White > 5.0

**Notes**

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

Licensee Comments: none

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**Reactor Coolant System Activity**

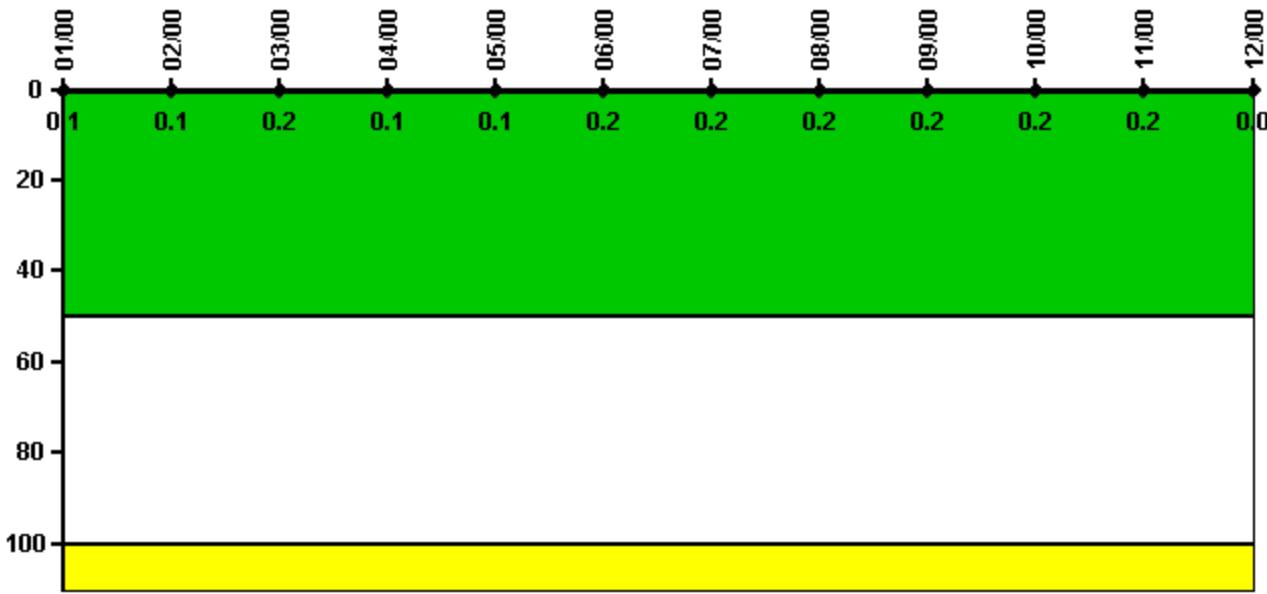
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	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	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237	0.000228	0.000241	0.000260
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

### Reactor Coolant System Leakage

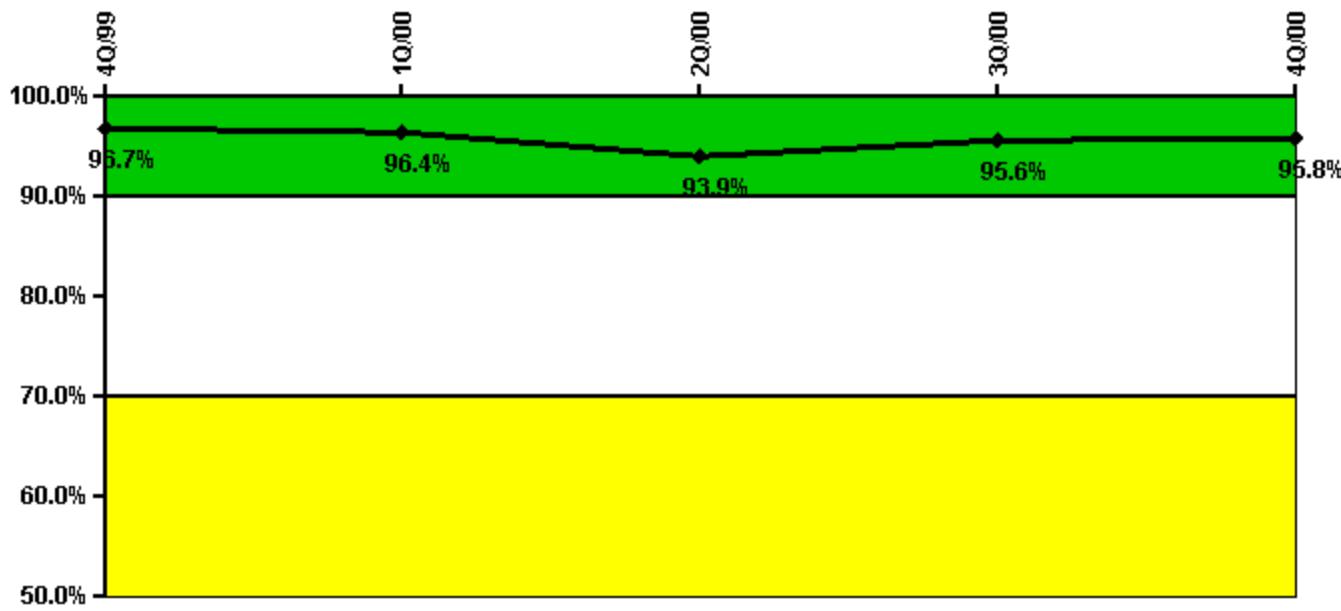


Thresholds: White > 50.0 Yellow > 100.0

### 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	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018	0.020	0.018	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0

Licensee Comments: none

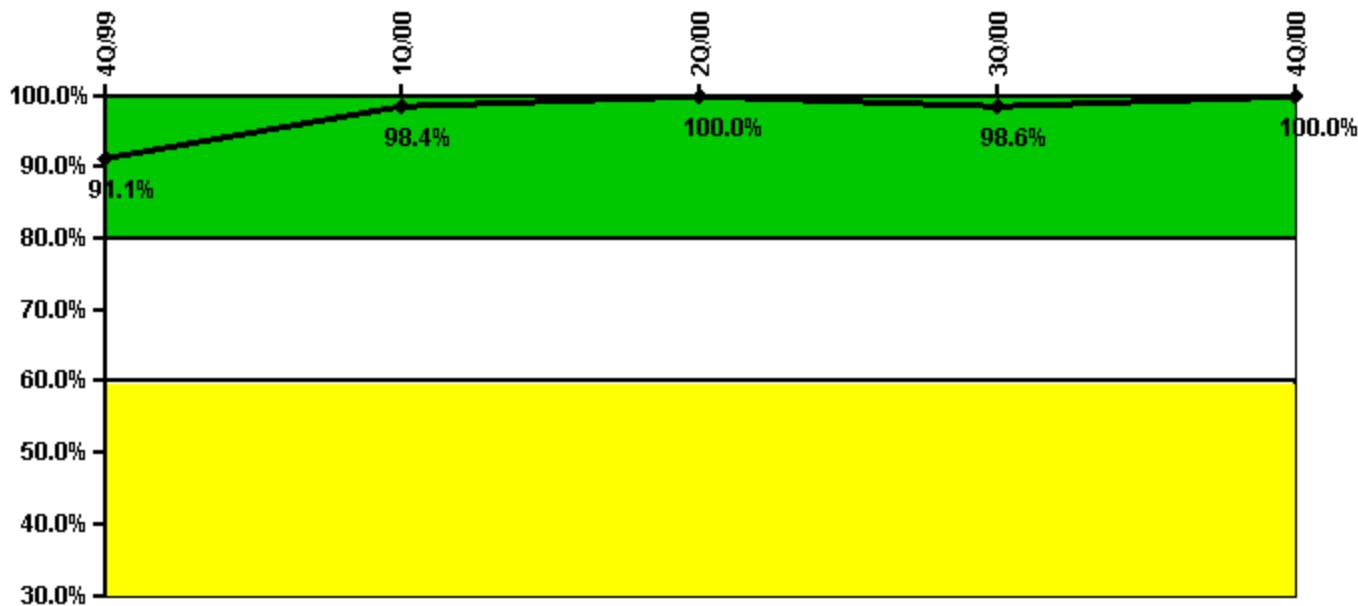
**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	0	6.0	15.0	65.0	56.0
Total opportunities	0	6.0	18.0	66.0	58.0
Indicator value	96.7%	96.4%	93.9%	95.6%	95.8%

Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

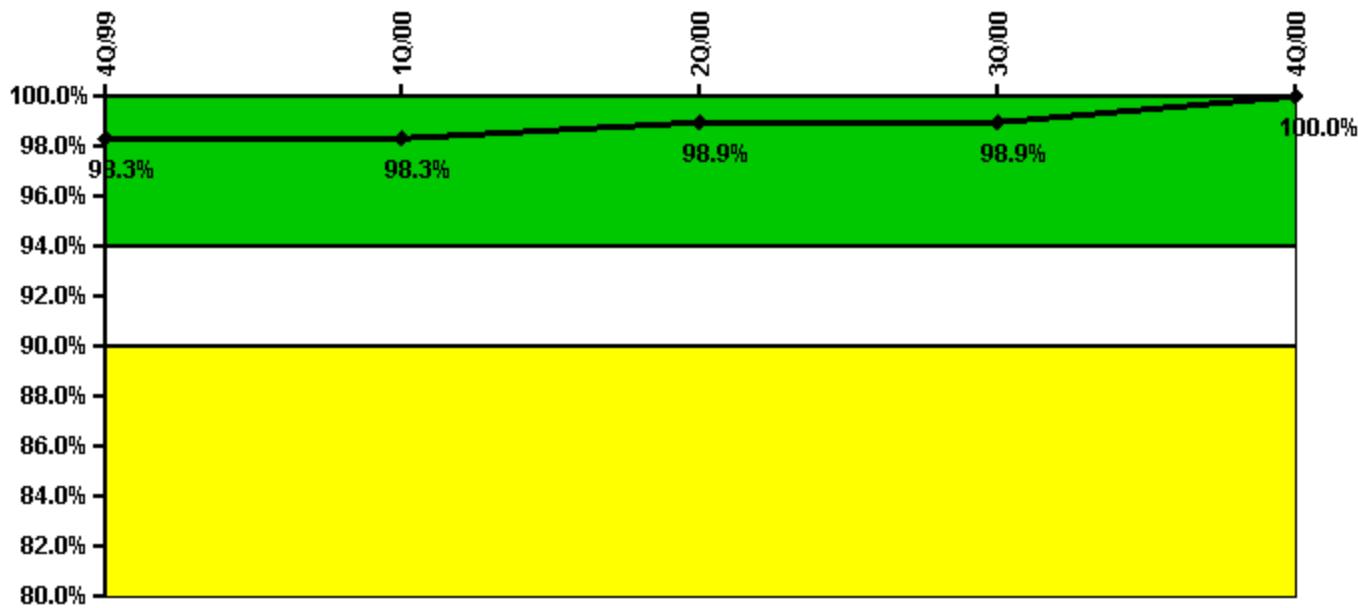
**Notes**

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	112.0	121.0	121.0	141.0	103.0
Total Key personnel	123.0	123.0	121.0	143.0	103.0
Indicator value	91.1%	98.4%	100.0%	98.6%	100.0%

Licensee Comments: none

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### Alert & Notification System

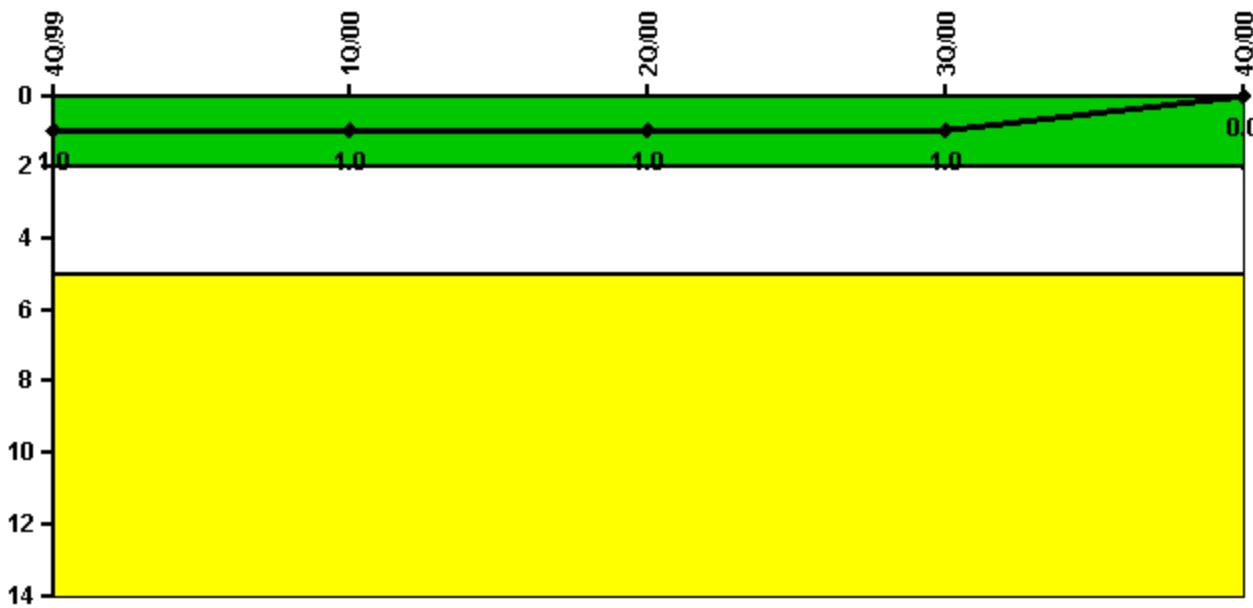


Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	46	42	48	42	45
Total sirens-tests	48	42	48	42	45
Indicator value	98.3%	98.3%	98.9%	98.9%	100.0%

Licensee Comments: none

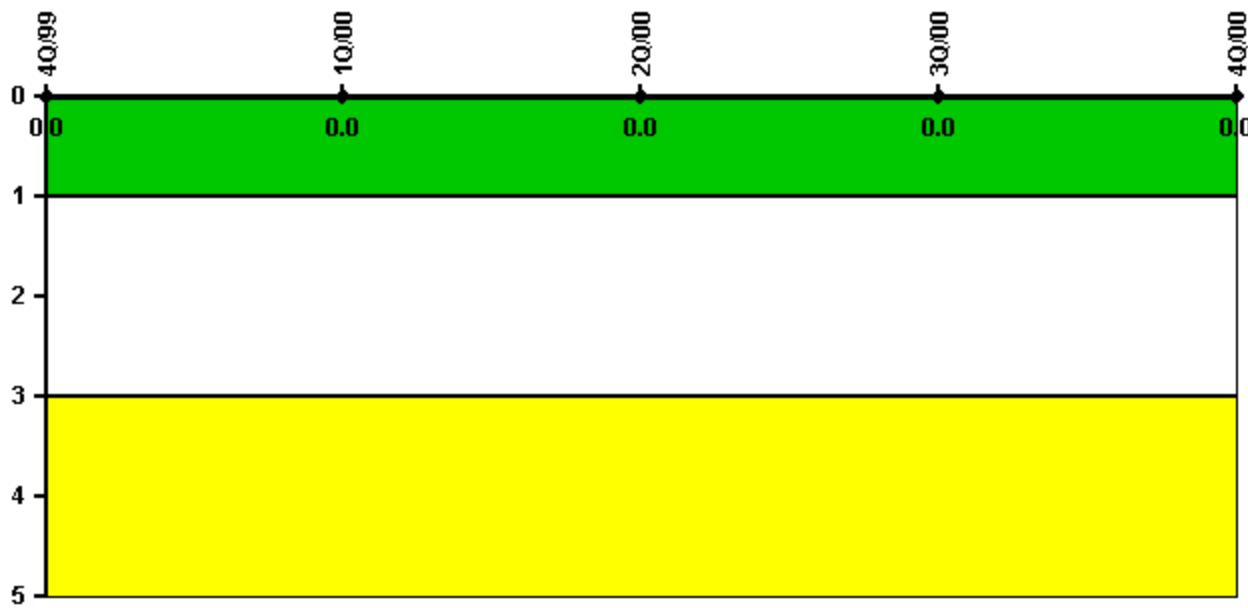
**Occupational Exposure Control Effectiveness**

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	1	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

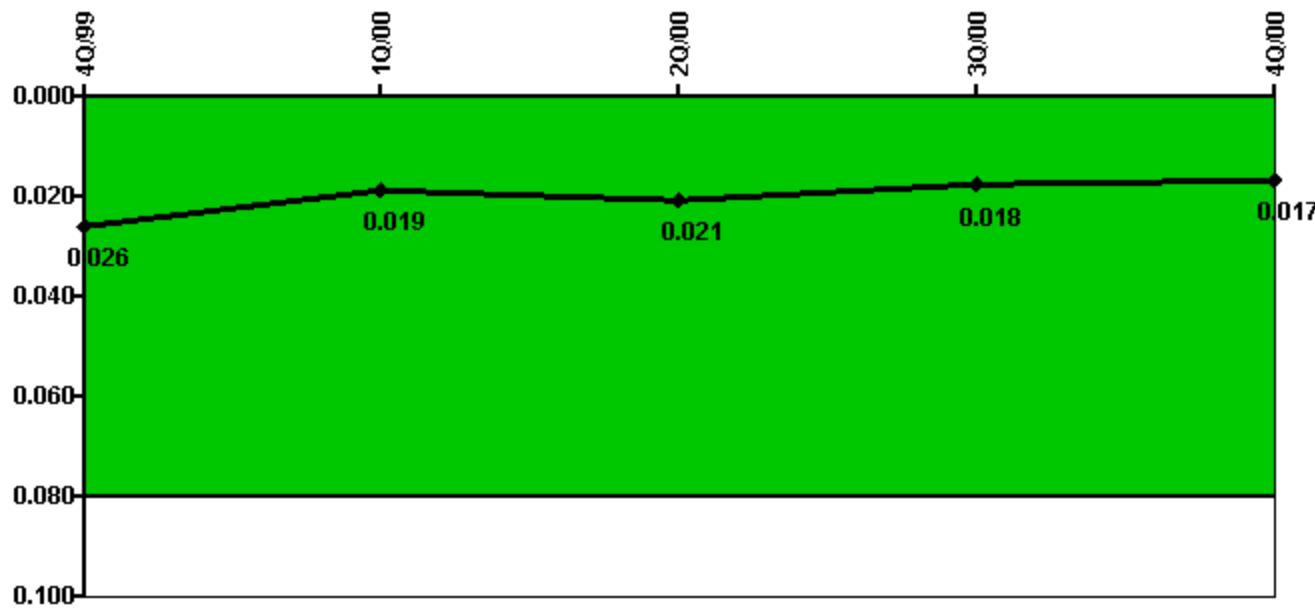
**Notes**

RETS/ODCM Radiological Effluent	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



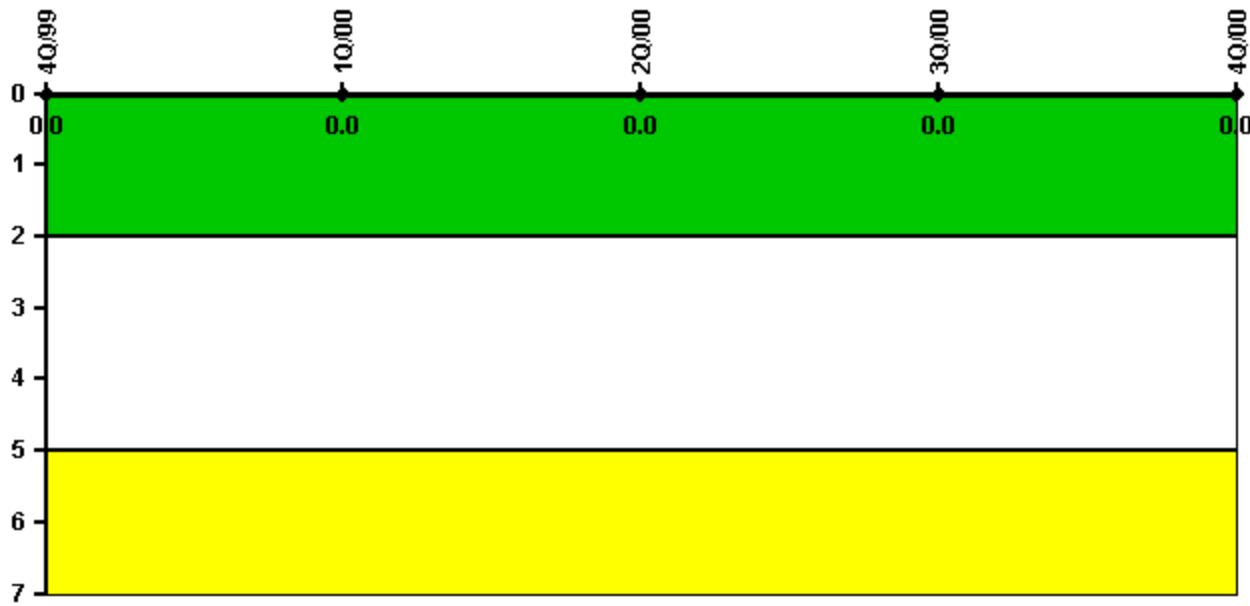
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	87.50	6.30	231.40	119.10	88.37
CCTV compensatory hours	35.5	17.0	0	20.7	9.3
IDS normalization factor	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.026</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>

Licensee Comments: none

## Personnel Screening Program



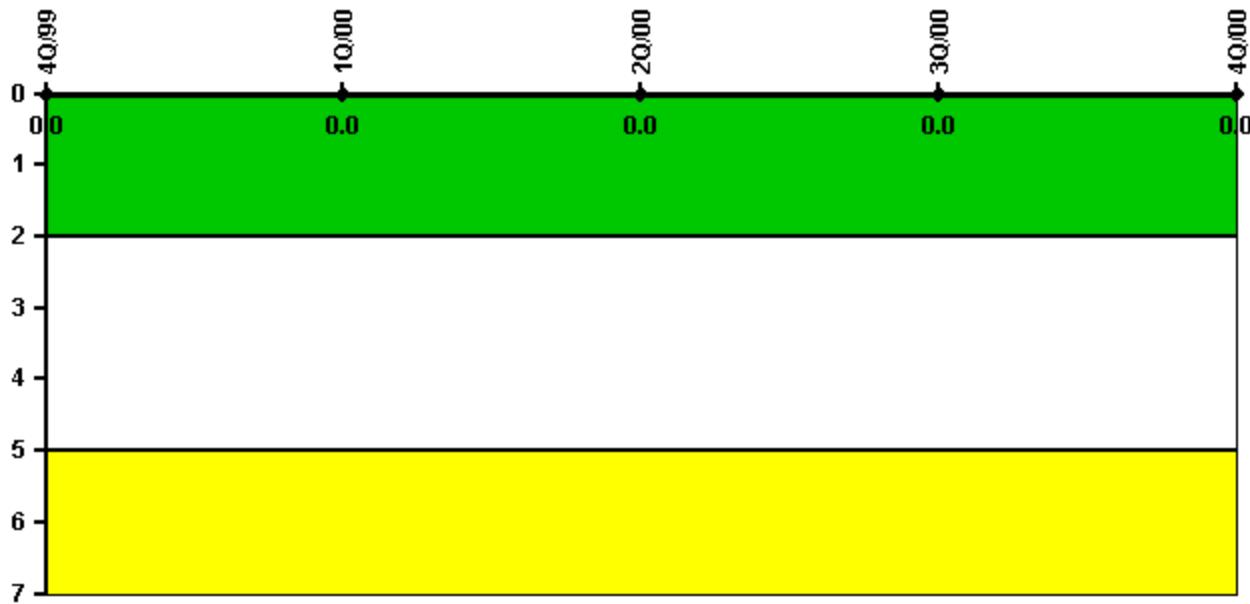
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

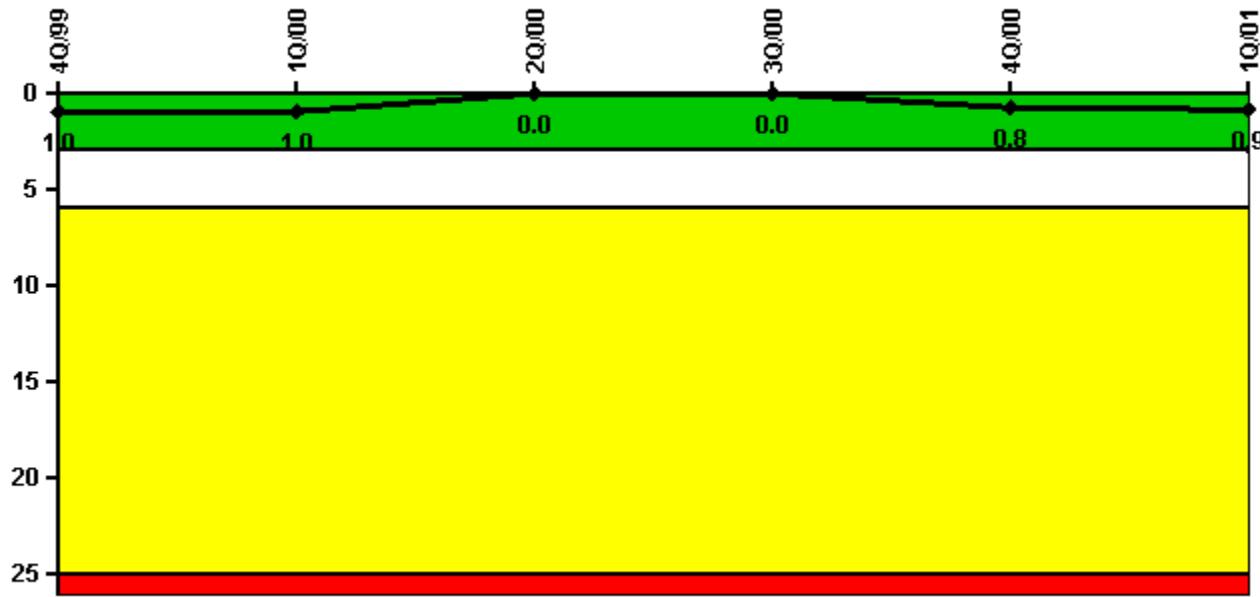


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

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

Licensee's General Comments: none

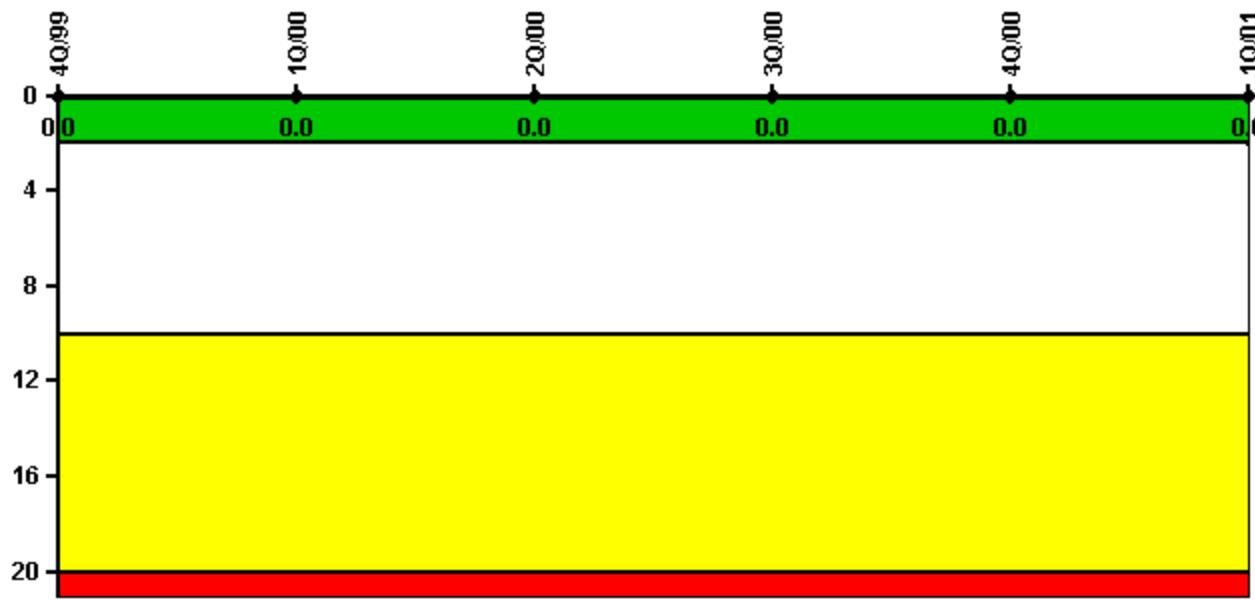
**Unplanned Scrams per 7000 Critical Hrs**

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	0	0	0	1.0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8
Indicator value	1.0	1.0	0	0	0.8	0.9

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

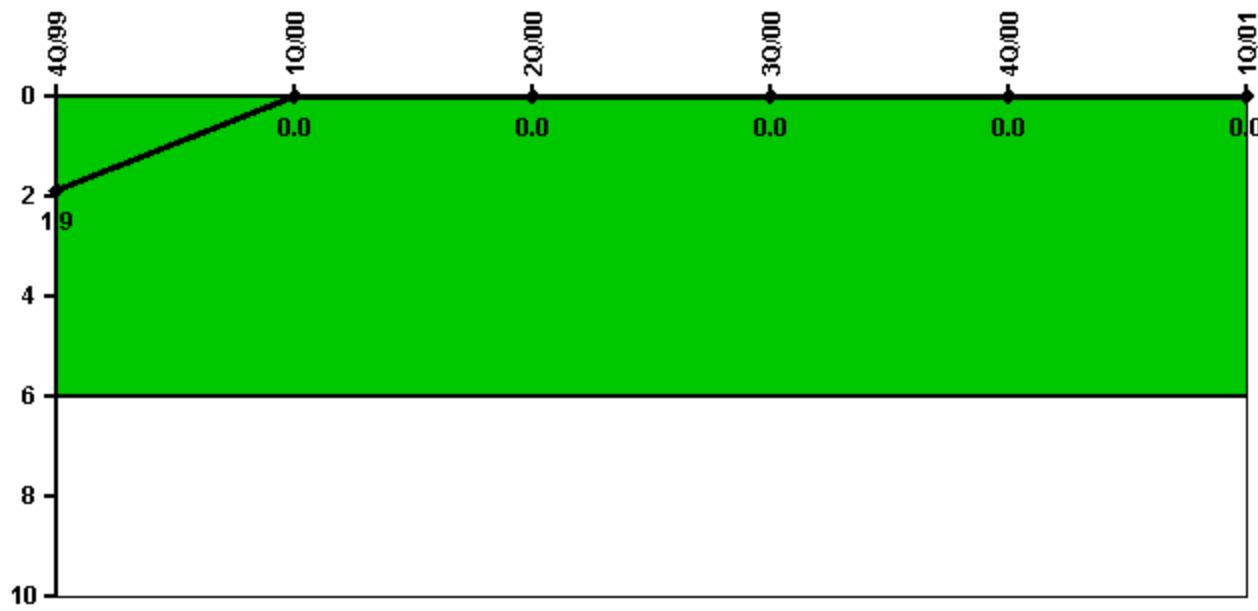
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

Licensee Comments: none

---

**Unplanned Power Changes per 7000 Critical Hrs**

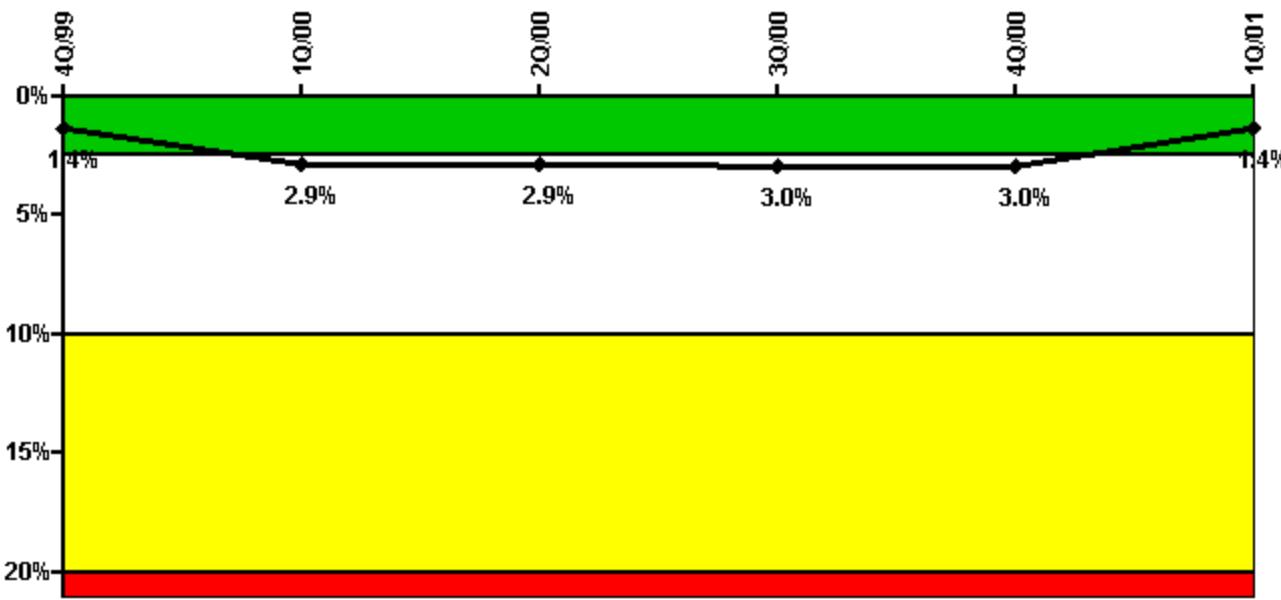
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8
Indicator value	1.9	0	0	0	0	0

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
<b>Train 1</b>						
Planned unavailable hours	1.00	19.60	9.60	132.50	192.90	1.40
Unplanned unavailable hours	0	6.50	0	0.60	0	0.30
Fault exposure hours	0	1038.40	0	0	0	0
Effective Reset hours	0	0	0	0	0	1038.40
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0.30	3.40	8.00	19.00	1.10
Unplanned unavailable hours	0	58.10	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 3</b>						
Planned unavailable hours	4.60	101.70	3.10	0	0.70	0.70
Unplanned unavailable hours	6.90	0	7.80	13.50	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>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>

Licensee Comments:

1Q/01: Q1 2000 Train 1 Fault Exposure Hours Removed. Color returns to GREEN.

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

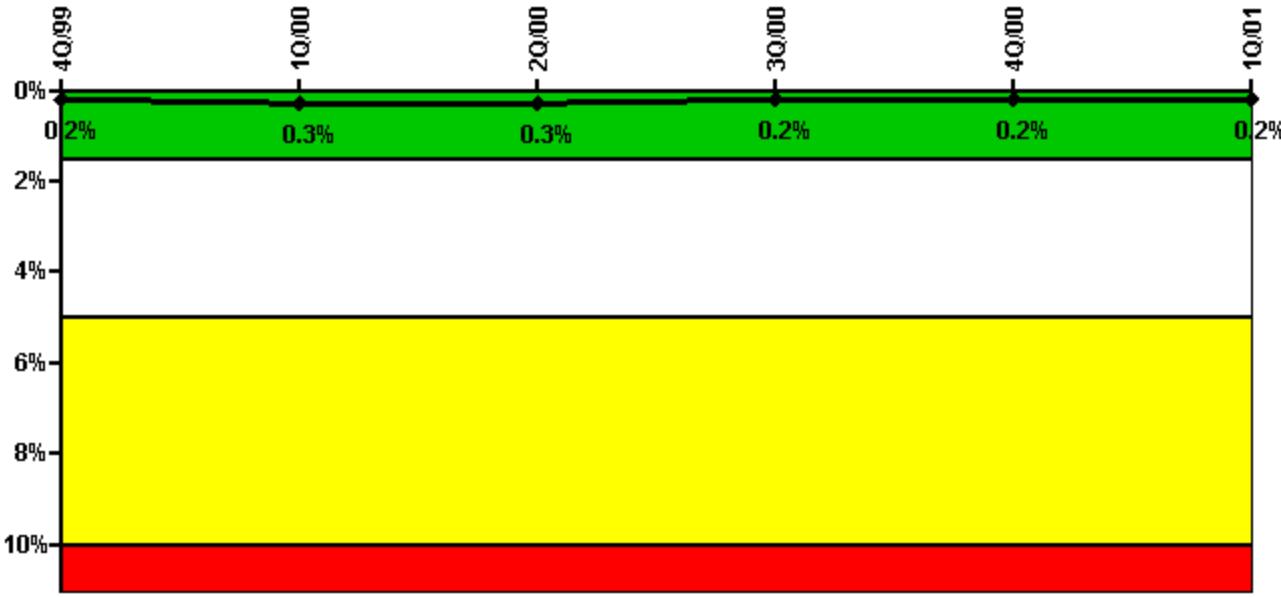
1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications.

Reasonable operator action is not credited under this indicator. Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

#### Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

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



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

#### Notes

<b>Safety System Unavailability, High Pressure Injection System (HPSI)</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>Train 1</b>						
Planned unavailable hours	0	0	3.20	6.40	6.00	2.90
Unplanned unavailable hours	0	0	0	0.60	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80
<b>Train 2</b>						
Planned unavailable hours	0	0.30	6.00	6.40	2.20	3.30
Unplanned unavailable hours	0	58.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80
<b>Indicator value</b>	<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>

Licensee Comments:

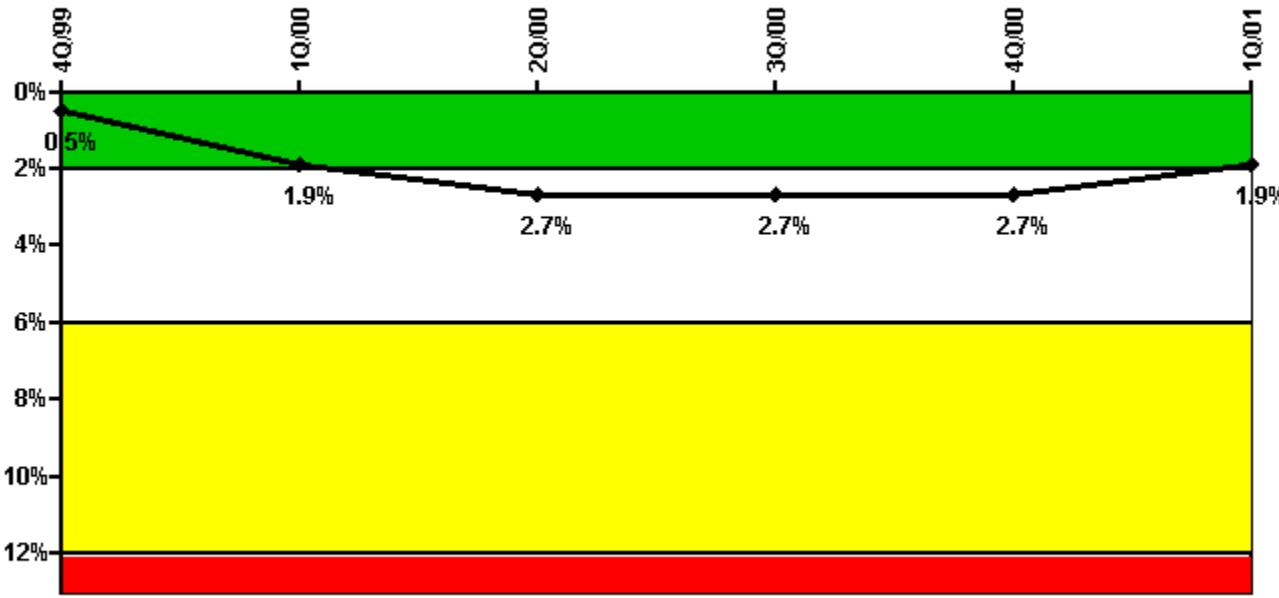
1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

4Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Added Reactor Protection System testing hours with 1Q2001 report. Color unaffected.

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)						
	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	2.30	4.40	6.50	7.10	4.30	2.90
Unplanned unavailable hours	0	11.40	0	0.60	0	0
Fault exposure hours	0	668.90	0	0	0	0
Effective Reset hours	0	0	0	0	0	572.70
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80
<b>Train 2</b>						
Planned unavailable hours	0.70	0.30	12.10	7.00	21.60	3.60
Unplanned unavailable hours	0	58.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80
<b>Train 3</b>						
Planned unavailable hours	0	19.60	3.20	4.30	0.20	0.80
Unplanned unavailable hours	0	17.30	56.30	0	0	0

Fault exposure hours	0	234.50	515.00	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80
<b>Indicator value</b>	<b>0.5%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>

## Licensee Comments:

1Q/01: Q1 2000 Train 1 Fault Exposure Hours Removed. Color returns to GREEN. Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

4Q/00: WHITE threshold exceeded Q2 2000: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

3Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected. 126.1 hours of April Fault Exposure Hours removed with Q2 2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

1Q/00:

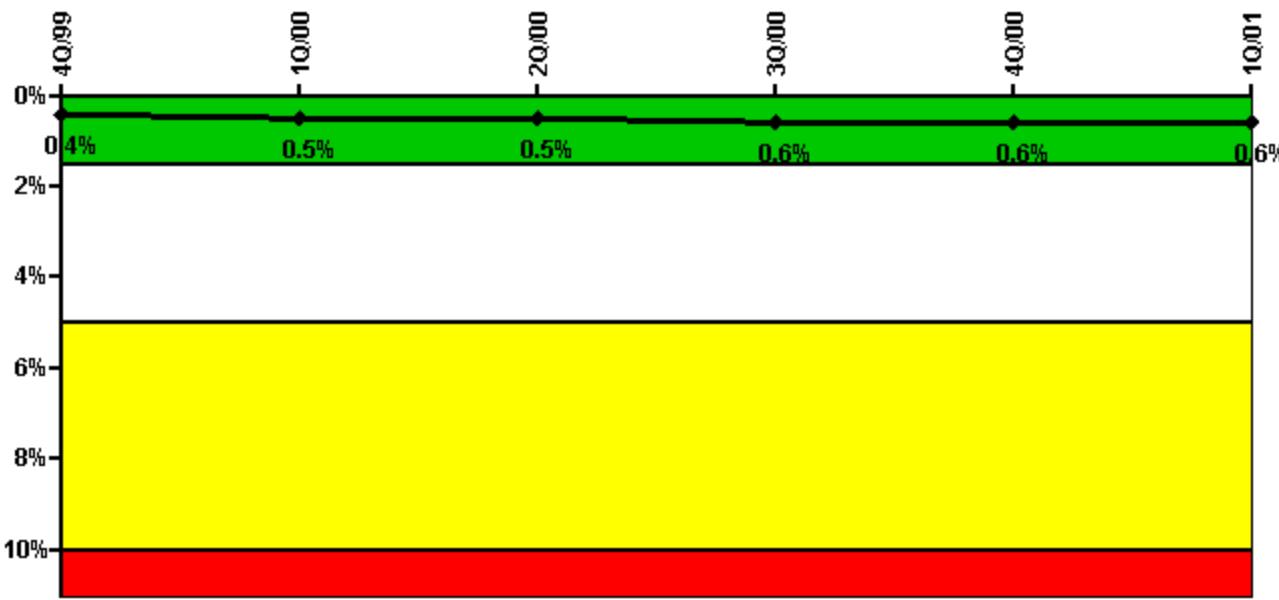
1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN.

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

## Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

## 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		0.30	9.70	3.80	20.70	5.80	21.70
Unplanned unavailable hours		0	12.00	3.60	0.60	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		0.70	7.20	7.60	21.70	11.40	3.30
Unplanned unavailable hours		0	58.10	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>Indicator value</b>		<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

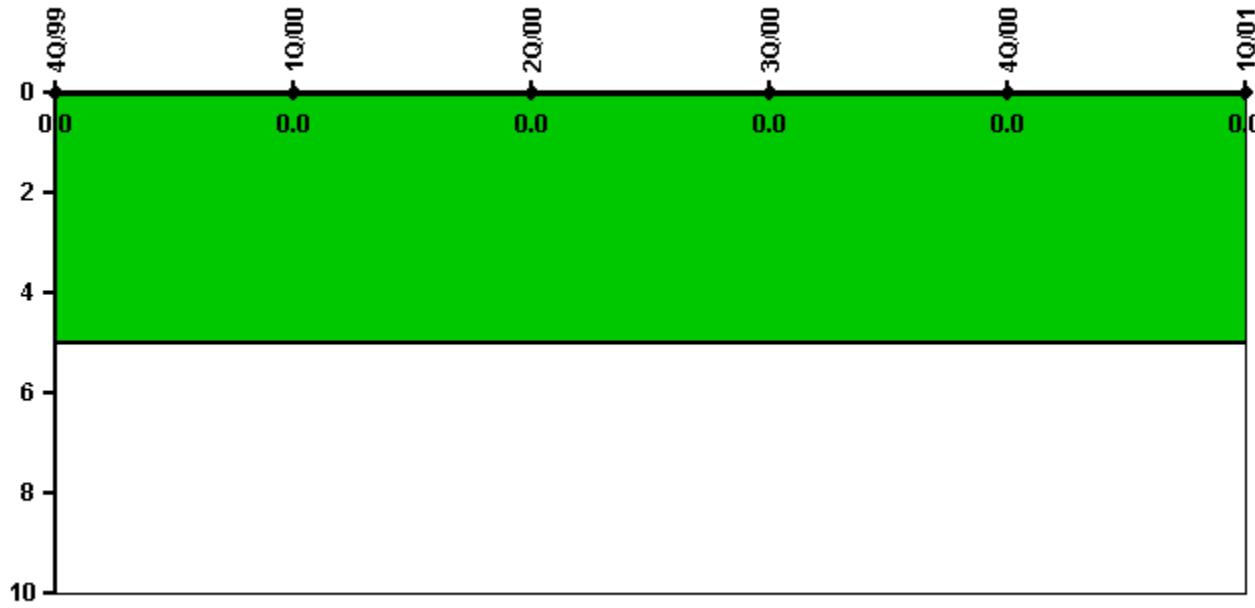
### Licensee Comments:

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

4Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected

3Q/00: Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

2Q/00: Minor calculation correction (0.3 hrs) made to March 2000 data. Color unaffected. Minor adjustment made Q3 2000 to remove operator action credit during surveillance testing. Color unaffected. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

**Safety System Functional Failures (PWR)**

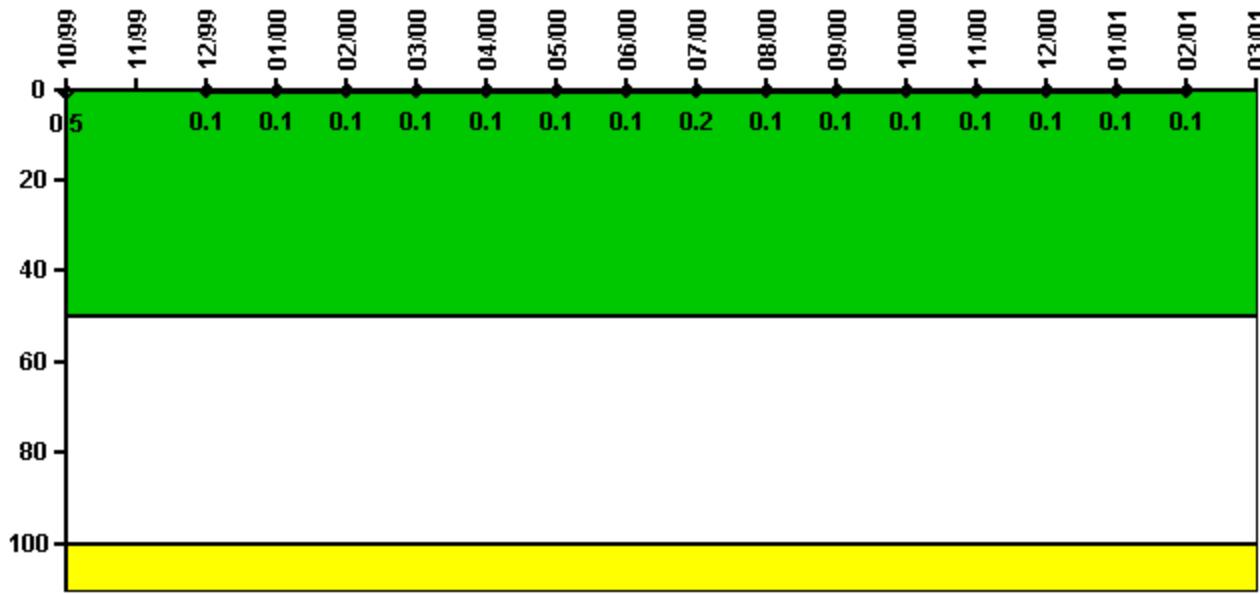
Thresholds: White > 5.0

**Notes**

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

Licensee Comments: none

## 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	0.001550	N/A	0.000380	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	<b>0.5</b>	N/A	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>							

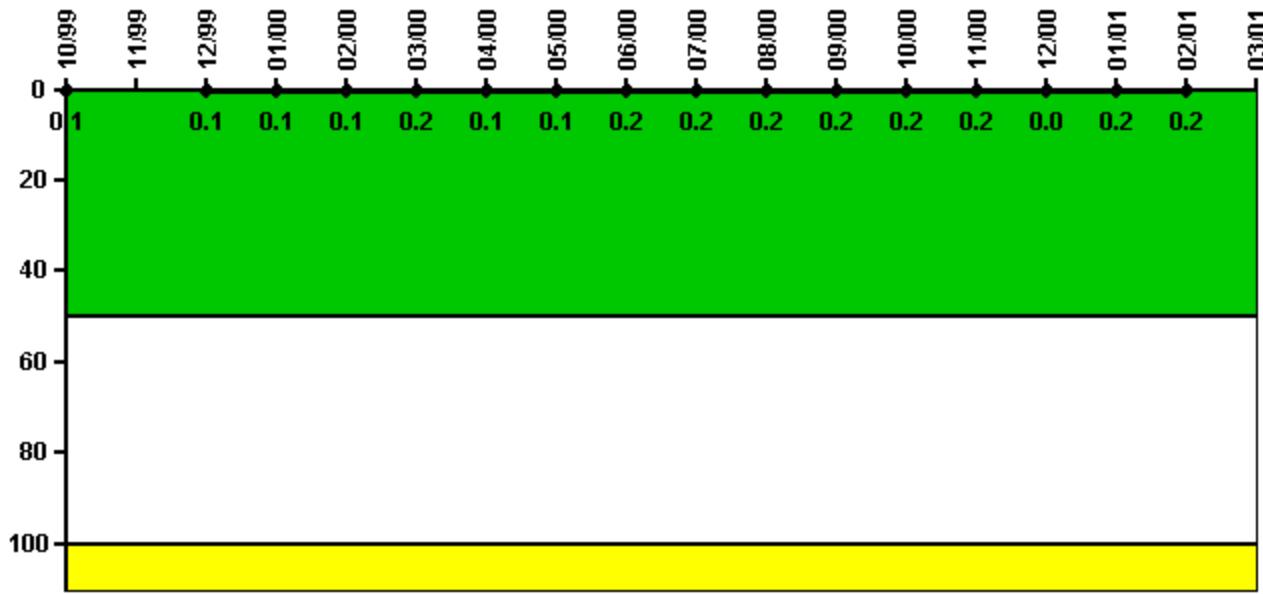
  

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000228	0.000241	0.000260	0.000241	0.000240	N/A
Technical specification limit	0.3	0.3	0.3	0.3	0.3	N/A
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	N/A

Licensee Comments:

3/01: March 2001 NA due to refueling outage.

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

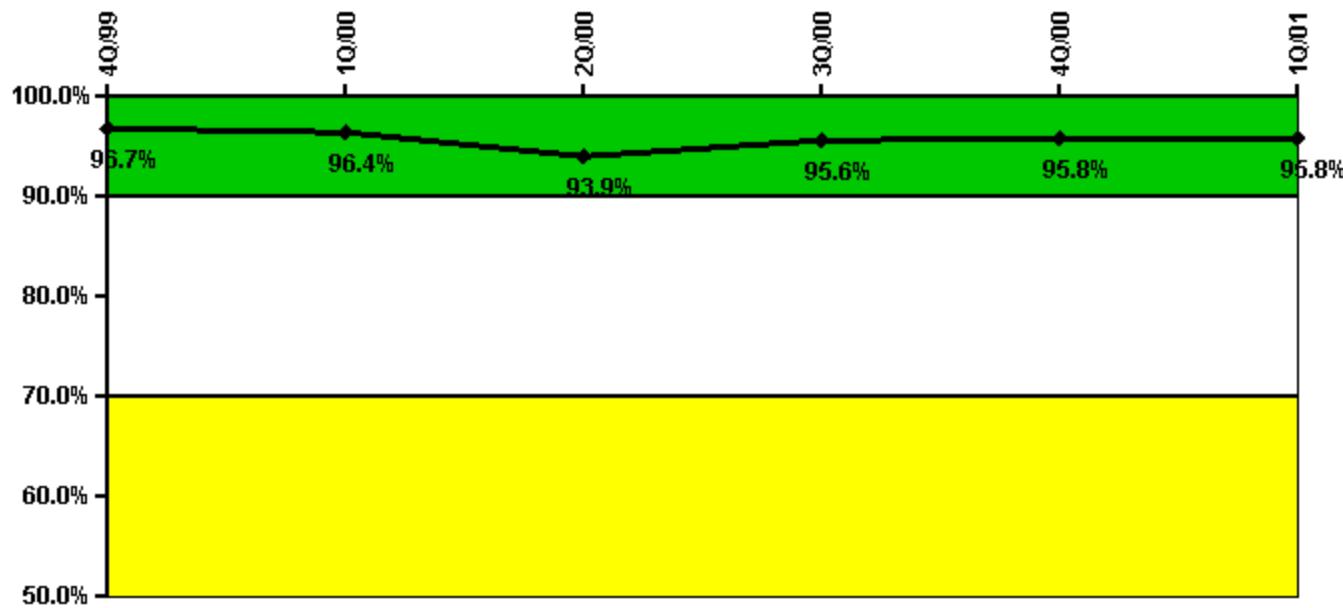
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.006	N/A	0.011	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.020	0.018	0	0.018	0.023	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0	0.2	0.2	N/A

Licensee Comments:

3/01: March 2001 NA due to refueling outage.

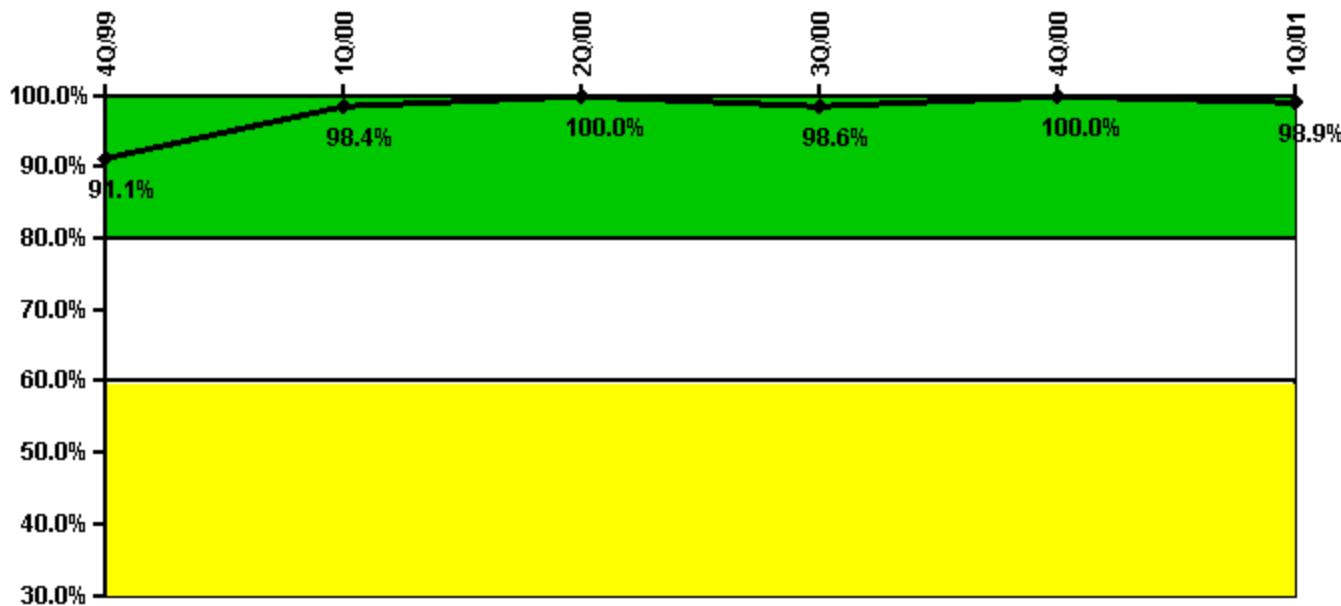
**Drill/Exercise Performance**

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	0	6.0	15.0	65.0	56.0	9.0
Total opportunities	0	6.0	18.0	66.0	58.0	10.0
Indicator value	96.7%	96.4%	93.9%	95.6%	95.8%	95.8%

Licensee Comments: none

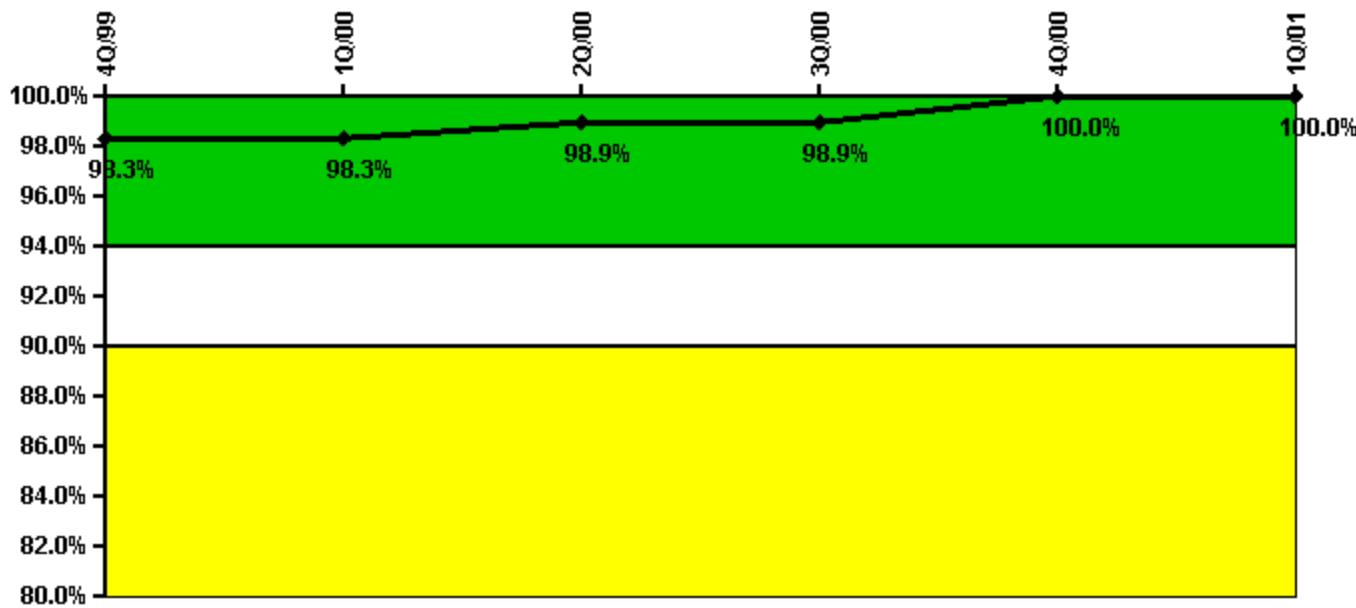
**ERO Drill Participation**

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	112.0	121.0	121.0	141.0	103.0	94.0
Total Key personnel	123.0	123.0	121.0	143.0	103.0	95.0
Indicator value	91.1%	98.4%	100.0%	98.6%	100.0%	98.9%

Licensee Comments: none

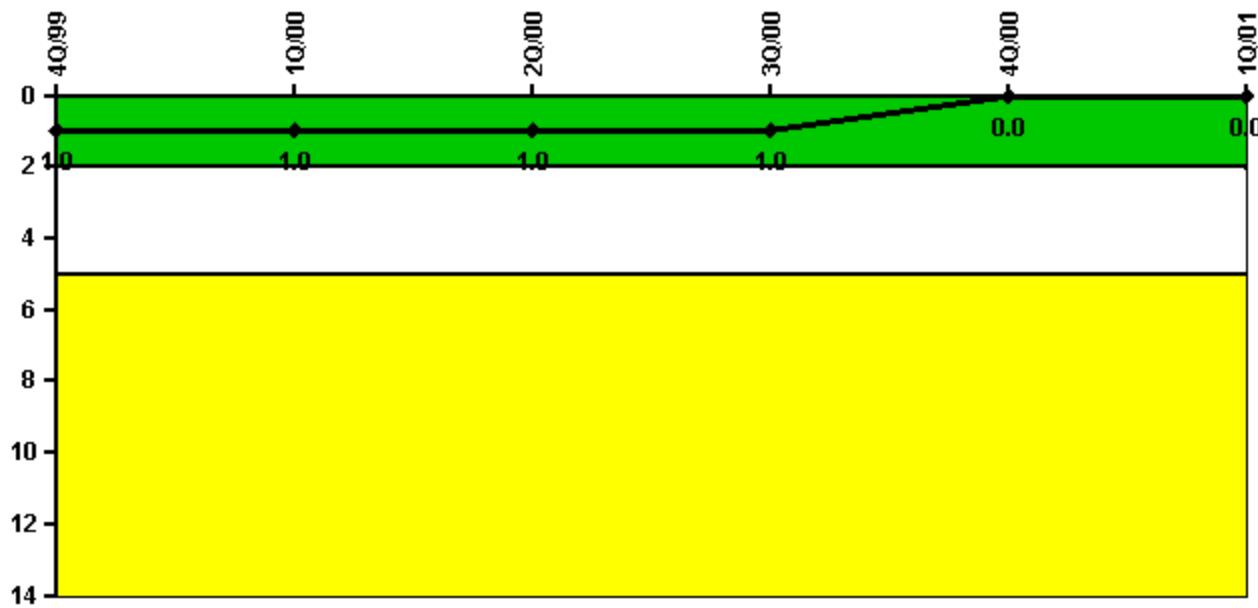
**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

**Notes**

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	46	42	48	42	45	42
Total sirens-tests	48	42	48	42	45	42
Indicator value	98.3%	98.3%	98.9%	98.9%	100.0%	100.0%

Licensee Comments: none

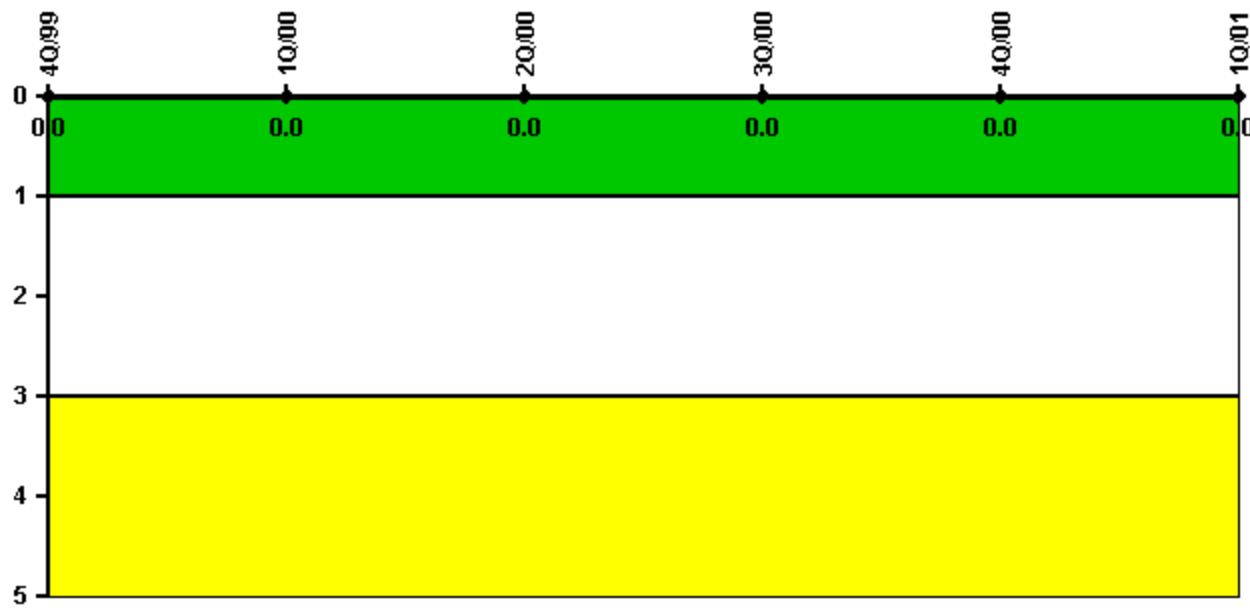
**Occupational Exposure Control Effectiveness**

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	1	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>

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

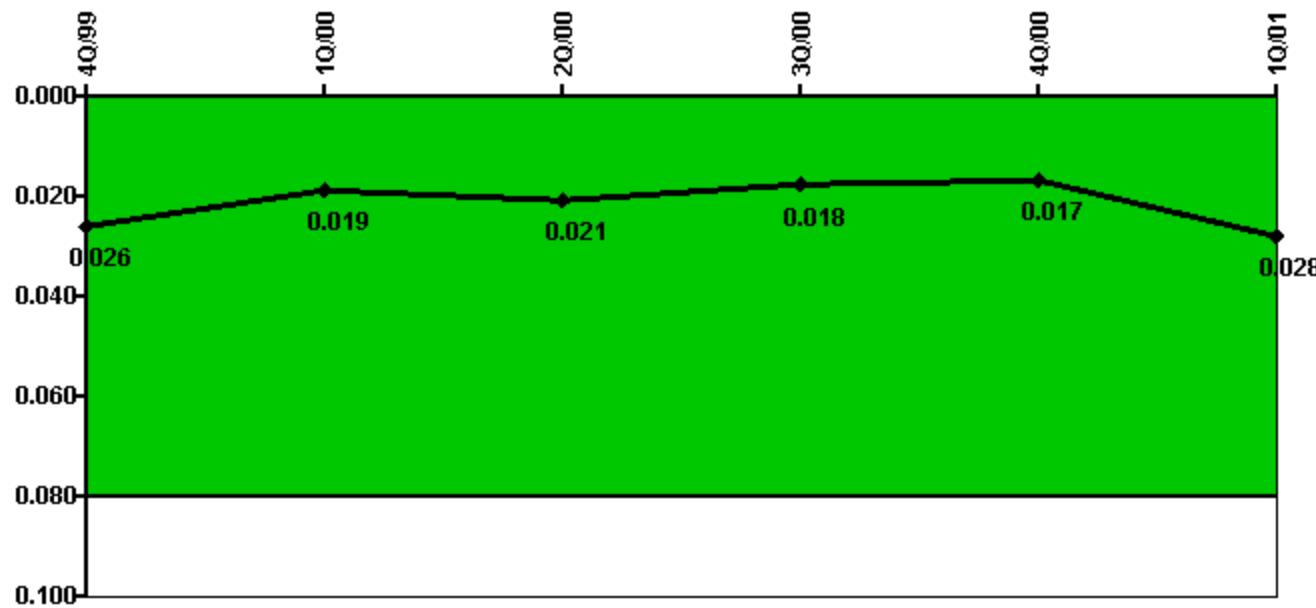
**Notes**

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

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### Protected Area Security Performance Index



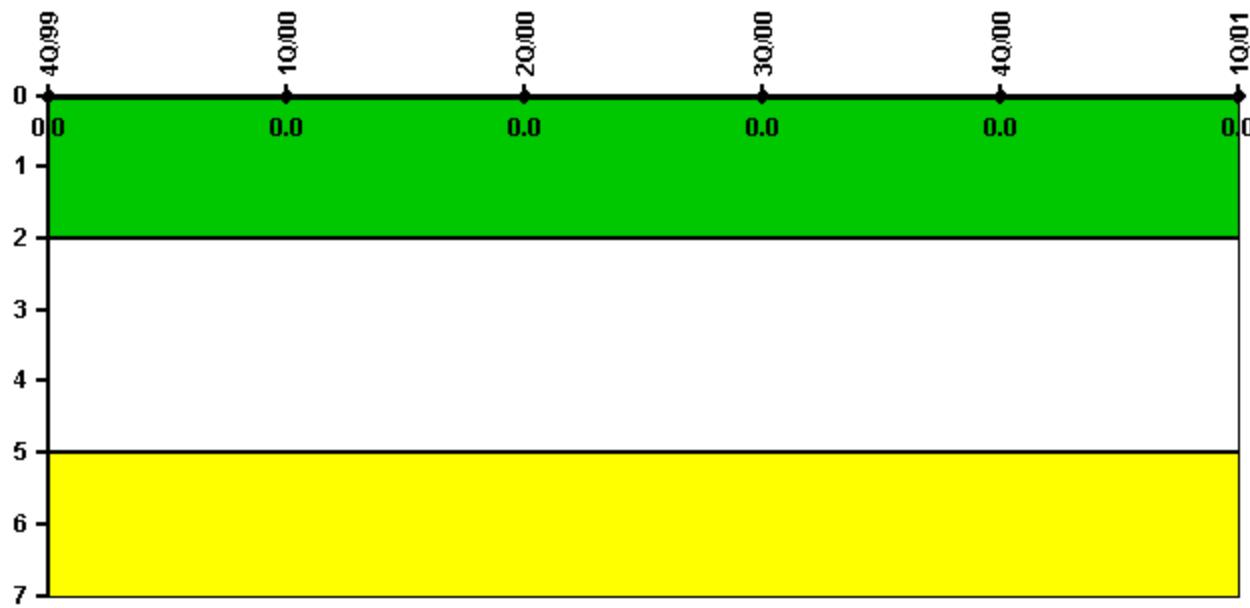
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	87.50	6.30	231.40	119.10	88.37	172.90
CCTV compensatory hours	35.5	17.0	0	20.7	9.3	136.8
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.026</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.028</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	0	0	0
Indicator value	0	0	0	0	0	0

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
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

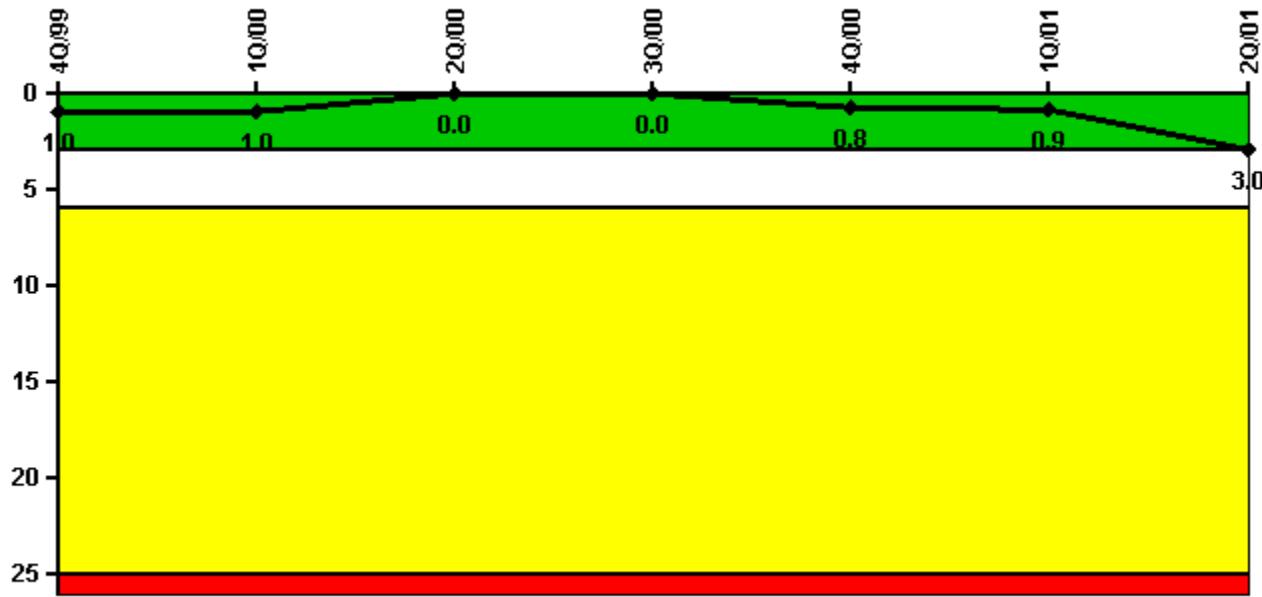


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Last Modified: March 28, 2002

**Farley 2****2Q/2001 Performance Indicators**

Licensee's General Comments: none

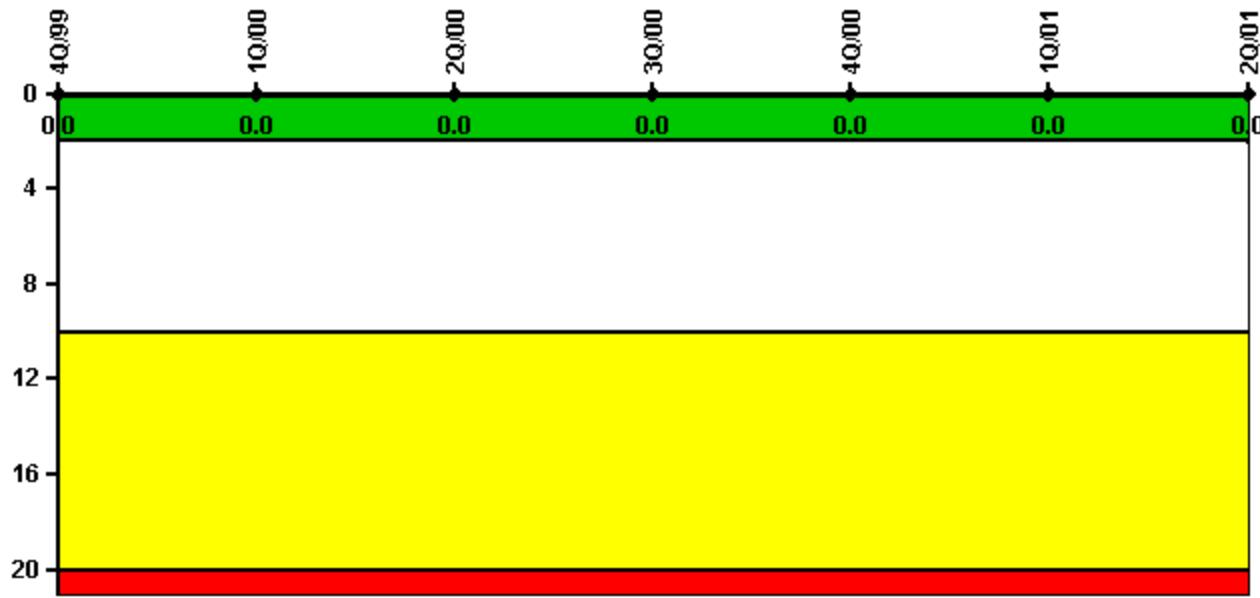
**Unplanned Scrams per 7000 Critical Hrs**

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	0	0	0	1.0	0	2.0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3
Indicator value	1.0	1.0	0	0	0.8	0.9	3.0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

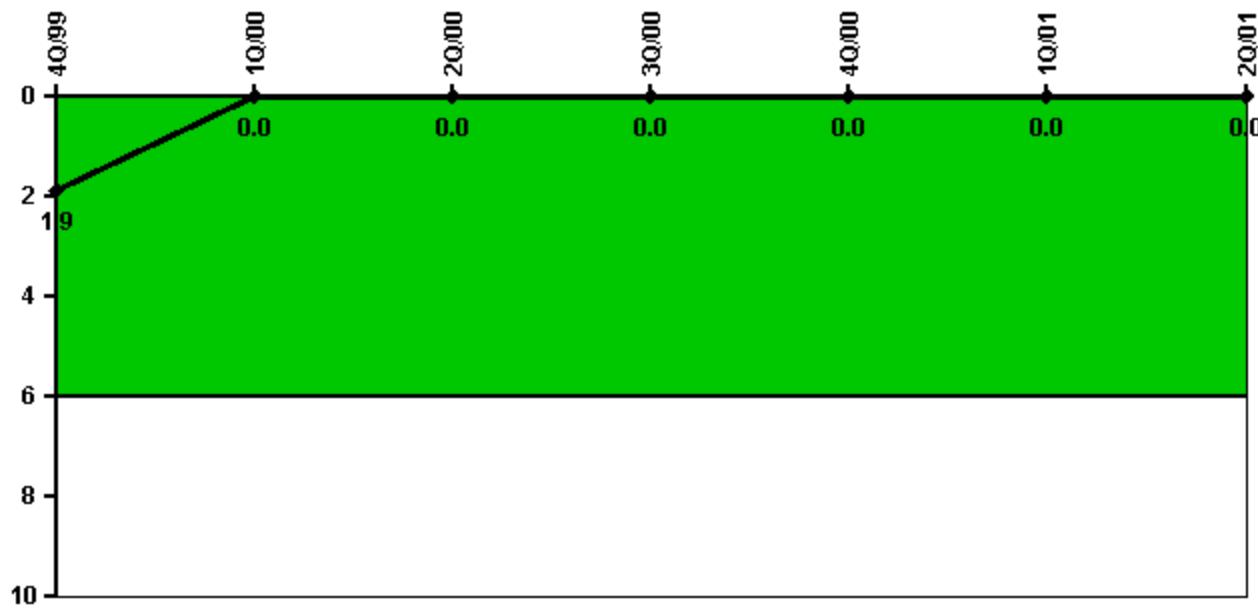
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

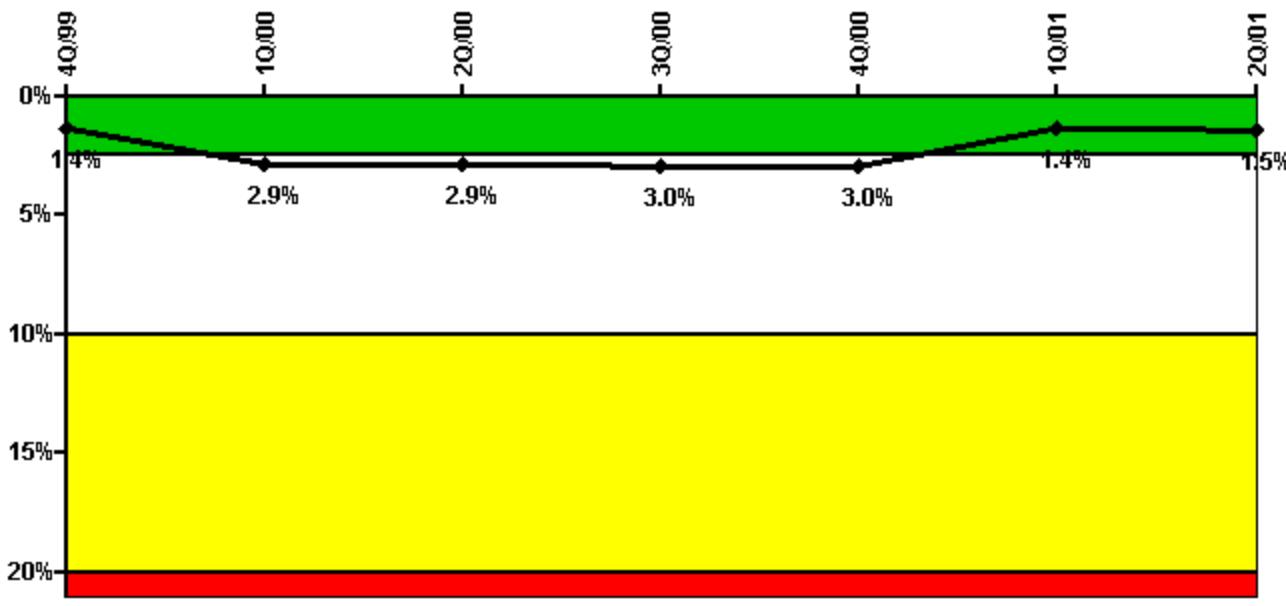
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3
Indicator value	1.9	0	0	0	0	0	0

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	1.00	19.60	9.60	132.50	192.90	1.40	0
Unplanned unavailable hours	0	6.50	0	0.60	0	0.30	0
Fault exposure hours	0	1038.40	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	1038.40	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	0.30	3.40	8.00	19.00	1.10	20.10
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70
Fault exposure hours	0	0	0	0	0	0	44.30
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	4.60	101.70	3.10	0	0.70	0.70	0
Unplanned unavailable hours	6.90	0	7.80	13.50	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>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>

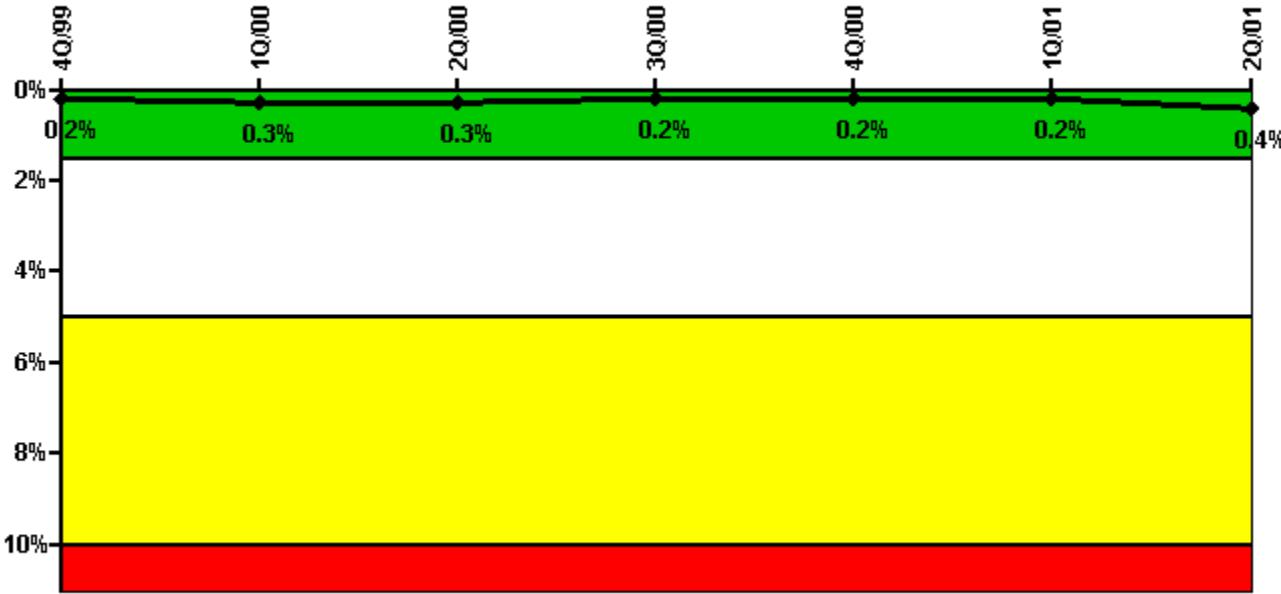
Licensee Comments:

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

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



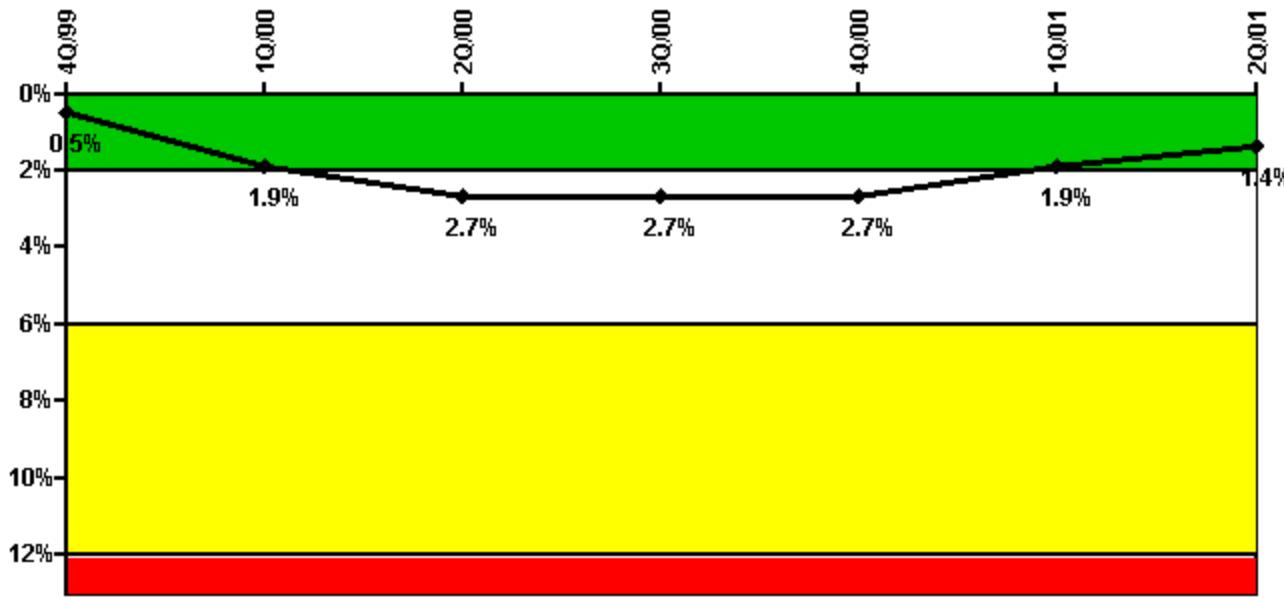
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)							
	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	0	3.20	6.40	6.00	2.90	12.40
Unplanned unavailable hours	0	0	0	0.60	0	0	0.50
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30
<b>Train 2</b>							
Planned unavailable hours	0	0.30	6.00	6.40	2.20	3.30	20.80
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70
Fault exposure hours	0	0	0	0	0	0	44.30
Effective Reset hours	0	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30
<b>Indicator value</b>	<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.4%</b>

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

<b>Safety System Unavailability, Heat Removal System (AFW)</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>Train 1</b>							
Planned unavailable hours	2.30	4.40	6.50	7.10	4.30	2.90	12.40
Unplanned unavailable hours	0	11.40	0	0.60	0	0	0
Fault exposure hours	0	668.90	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	572.70	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30
<b>Train 2</b>							
Planned unavailable hours	0.70	0.30	12.10	7.00	21.60	3.60	20.80
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70
Fault exposure hours	0	0	0	0	0	0	44.30
Effective Reset hours	0	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30
<b>Train 3</b>							
Planned unavailable hours	0	19.60	3.20	4.30	0.20	0.80	0.50
Unplanned unavailable hours	0	17.30	56.30	0	0	0	0
Fault exposure hours	0	234.50	515.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	360.60
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30
<b>Indicator value</b>	<b>0.5%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>

Licensee Comments:

2Q/01: Reset Train C Fault Exposure hours from March and April 2000. Color unaffected.

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

2Q/00: WHITE threshhold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter

2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected. 126.1 hours of April Fault Exposure Hours removed with Q2 2001 report. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

1Q/00:

1Q/00: Train A Fault Exposure Hours removed with Q1 2001 report. Color returns to GREEN. Train C March 2000 Fault Exposure Hours removed with Q2 2001 report.

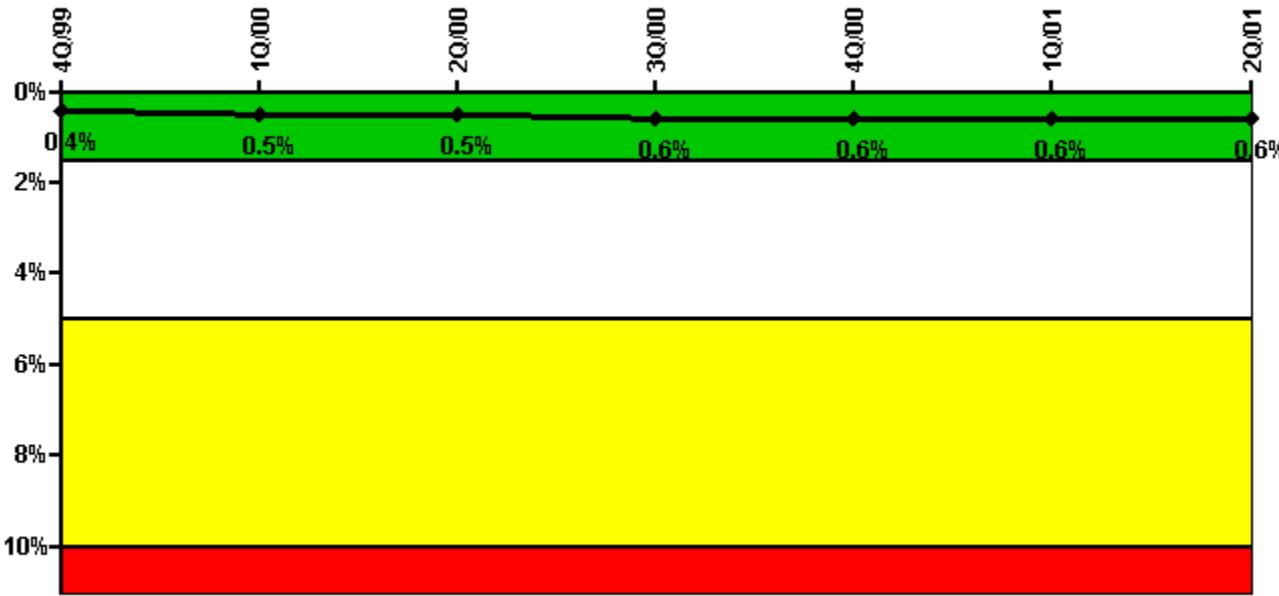
Effective Reset Comments:

2Q/01: Previously reset hours were reset under new process

2Q/01: Previously reset hours were reset under new process.

1Q/01: Previously reset hours were reset under new process.

### Safety System Unavailability, Residual Heat Removal System



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

### Notes

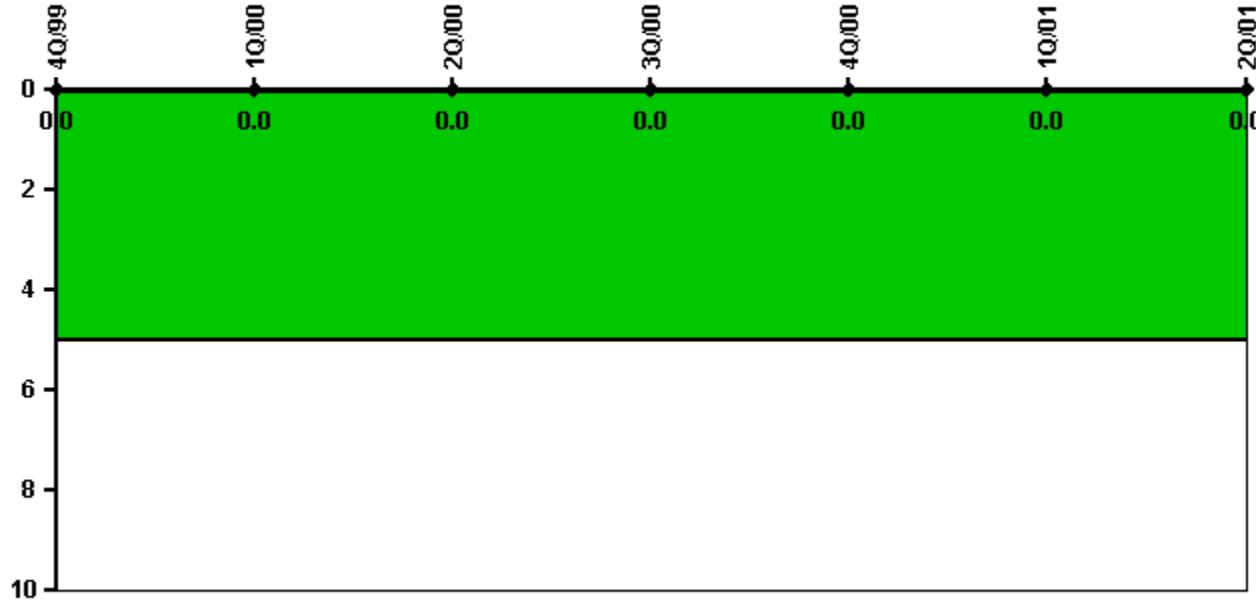
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0.30	9.70	3.80	20.70	5.80	21.70	17.60
Unplanned unavailable hours	0	12.00	3.60	0.60	0	0	0.60
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	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	0.70	7.20	7.60	21.70	11.40	3.30	25.60
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70
Fault exposure hours	0	0	0	0	0	0	44.30
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>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

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### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

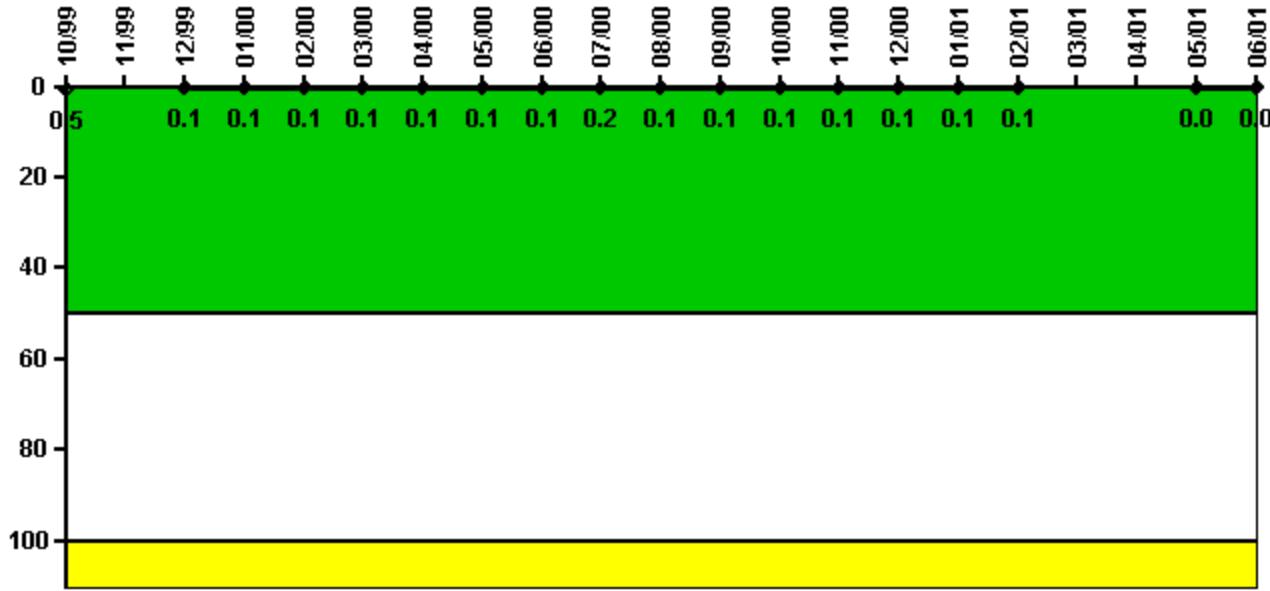
### Notes

<b>Safety System Functional Failures (PWR)</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>
Safety System Functional Failures	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>						

Licensee Comments: none

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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

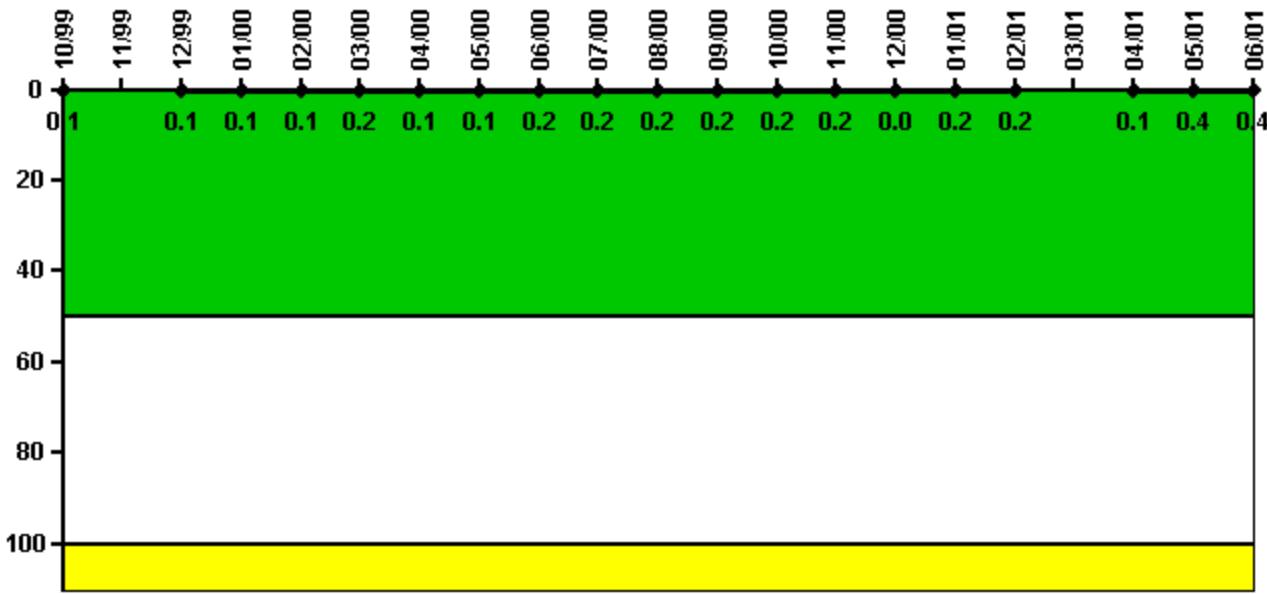
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.001550	N/A	0.000380	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.5	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000228	0.000241	0.000260	0.000241	0.000240	N/A	N/A	0.000132	0.000164
Technical specification limit	0.3	0.3	0.3	0.3	0.3	N/A	N/A	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	N/A	N/A	0	0

Licensee Comments:

6/01: NA for April 2001 due to refueling outage.

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

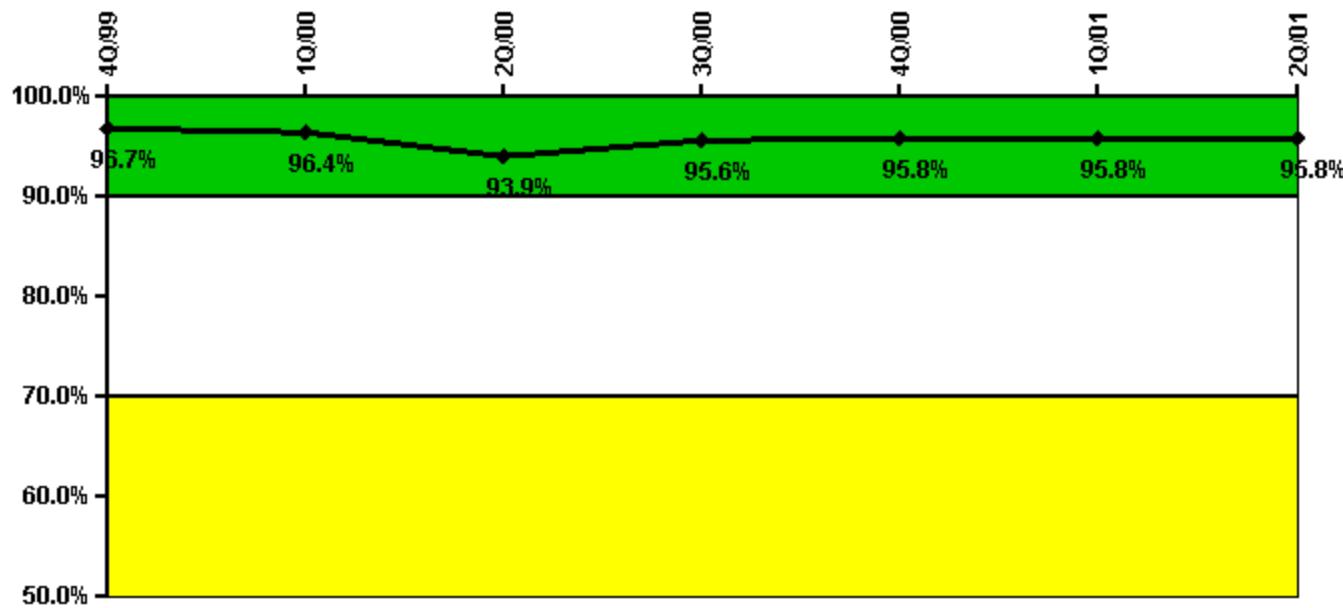
### Notes

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	0.006	N/A	0.011	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.020	0.018	0	0.018	0.023	N/A	0.006	0.036	0.037
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0	0.2	0.2	N/A	0.1	0.4	0.4

Licensee Comments: none

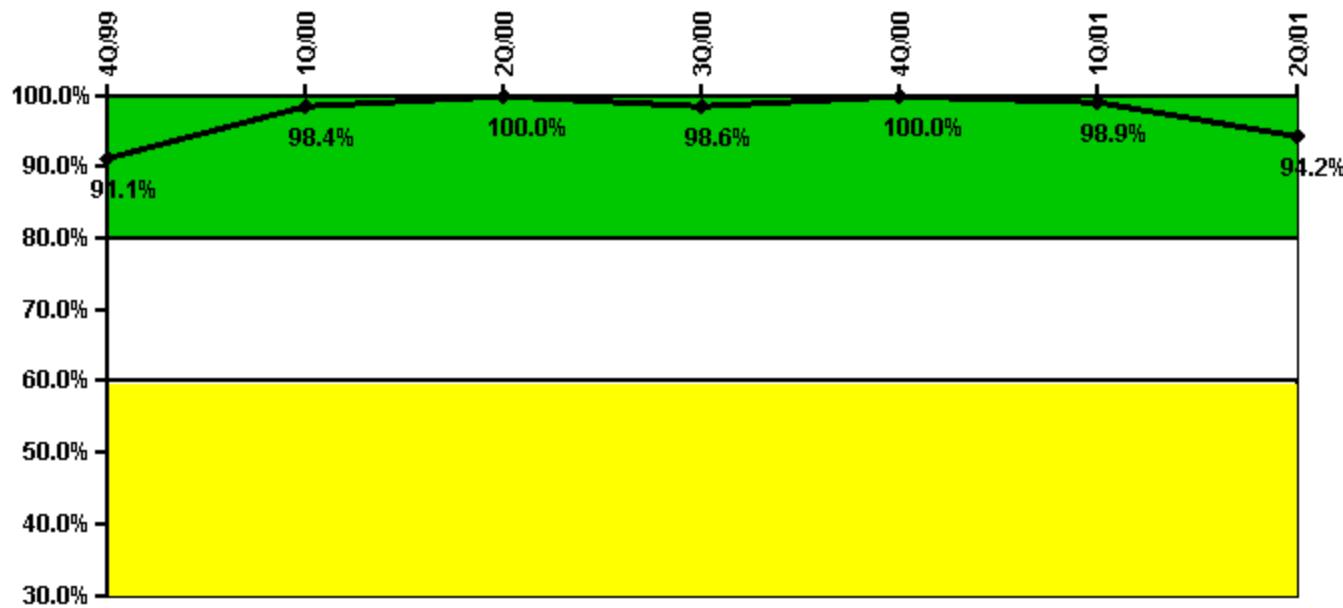
**Drill/Exercise Performance**

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	0	6.0	15.0	65.0	56.0	9.0	37.0
Total opportunities	0	6.0	18.0	66.0	58.0	10.0	38.0
Indicator value	96.7%	96.4%	93.9%	95.6%	95.8%	95.8%	95.8%

Licensee Comments: none

**ERO Drill Participation**

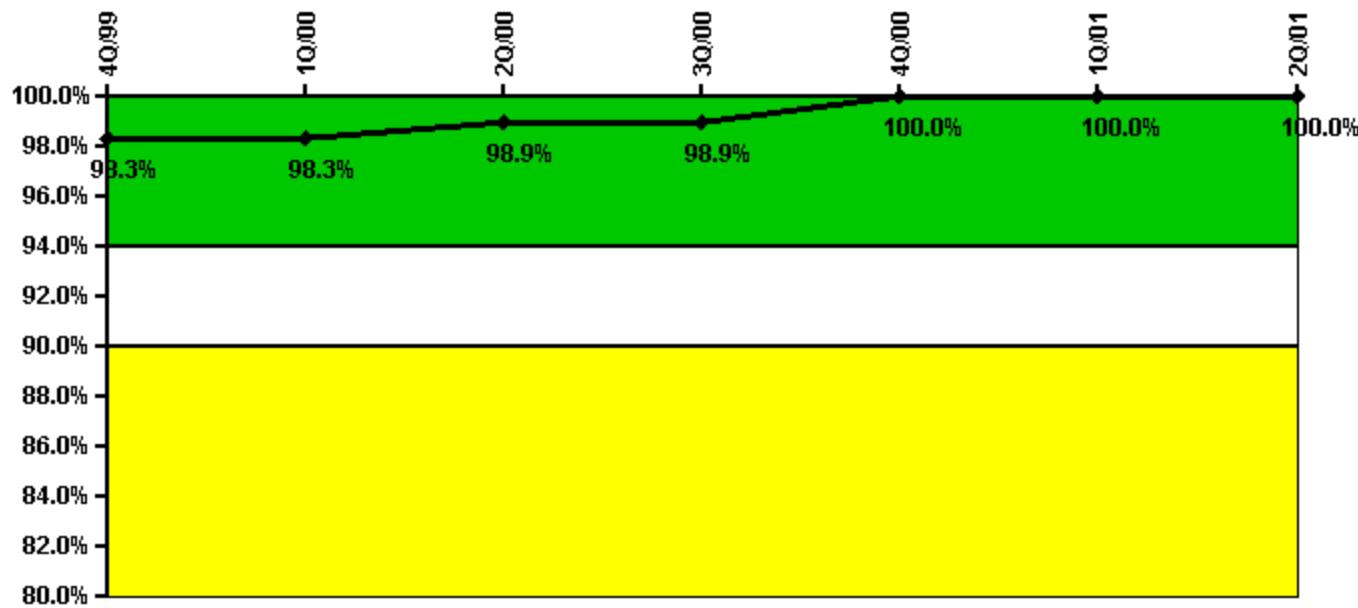
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	112.0	121.0	121.0	141.0	103.0	94.0	97.0
Total Key personnel	123.0	123.0	121.0	143.0	103.0	95.0	103.0
Indicator value	91.1%	98.4%	100.0%	98.6%	100.0%	98.9%	94.2%

Licensee Comments: none

### Alert & Notification System

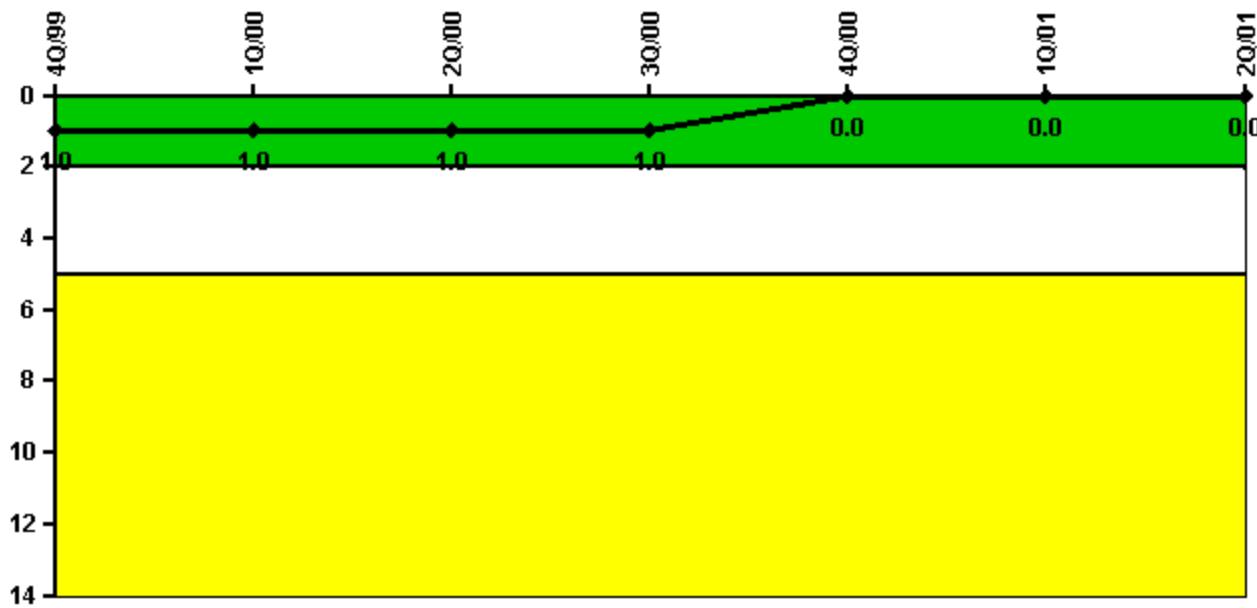


Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	46	42	48	42	45	42	45
Total sirens-tests	48	42	48	42	45	42	45
Indicator value	98.3%	98.3%	98.9%	98.9%	100.0%	100.0%	100.0%

Licensee Comments: none

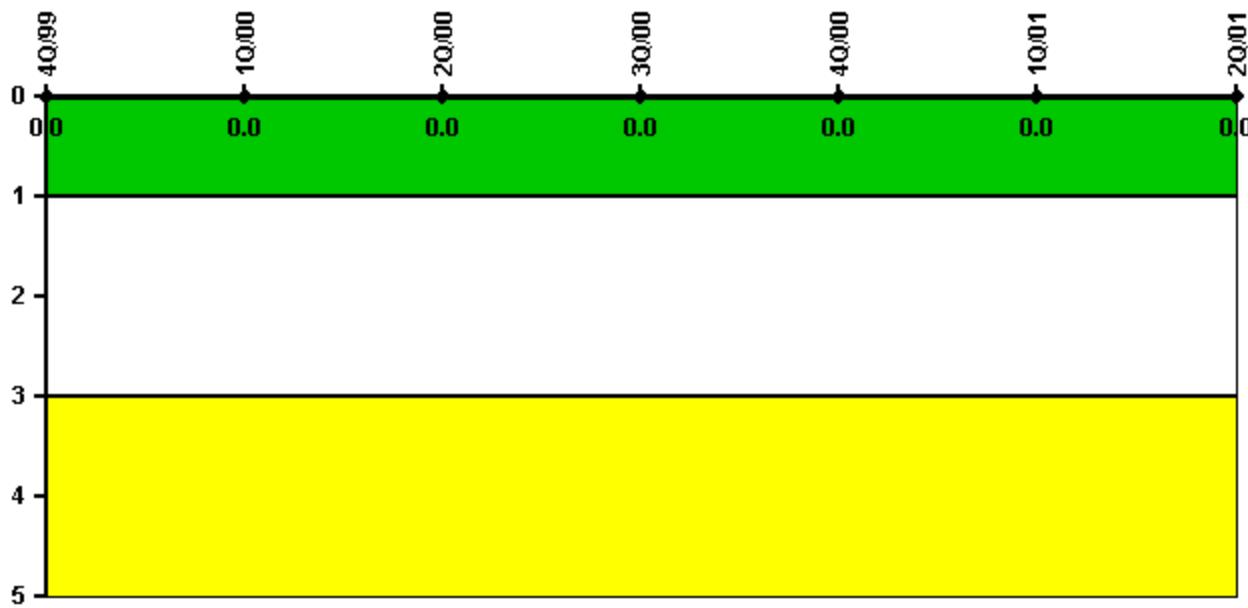
**Occupational Exposure Control Effectiveness**

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	1	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

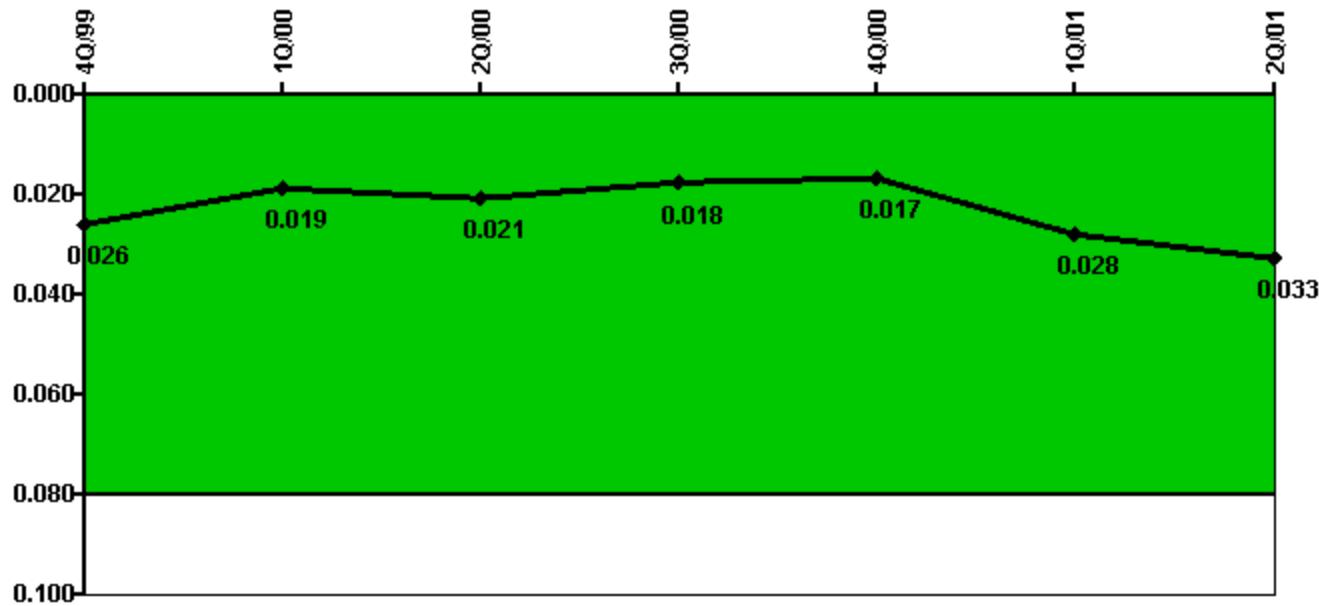
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
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	87.50	6.30	231.40	119.10	88.37	172.90	70.80
CCTV compensatory hours	35.5	17.0	0	20.7	9.3	136.8	216.4
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.026</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.028</b>	<b>0.033</b>

Licensee Comments: none

### Personnel Screening Program



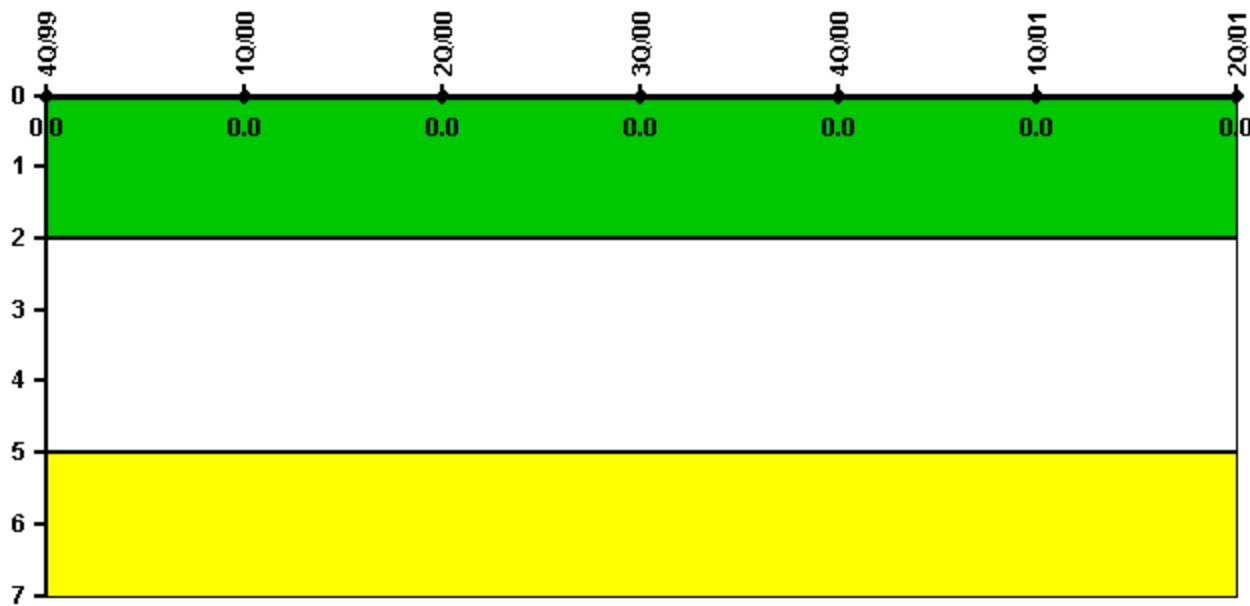
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

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
Program Failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

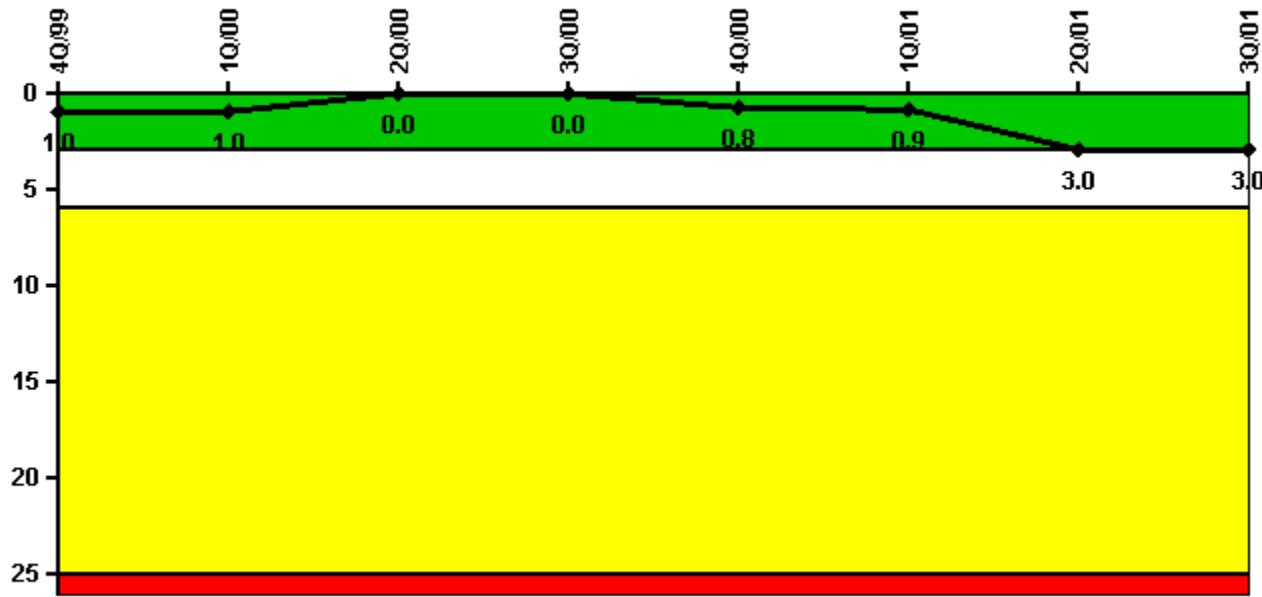


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 27, 2002

**Farley 2****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	0	0	0	1.0	0	2.0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0
Indicator value	1.0	1.0	0	0	0.8	0.9	3.0	3.0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

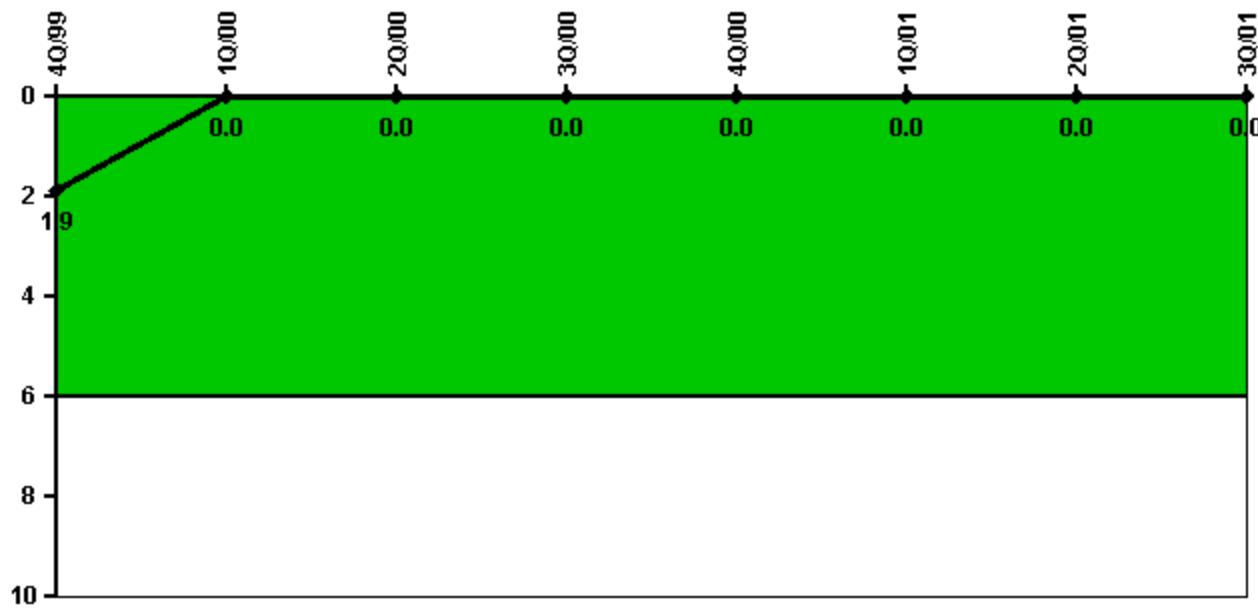
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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**

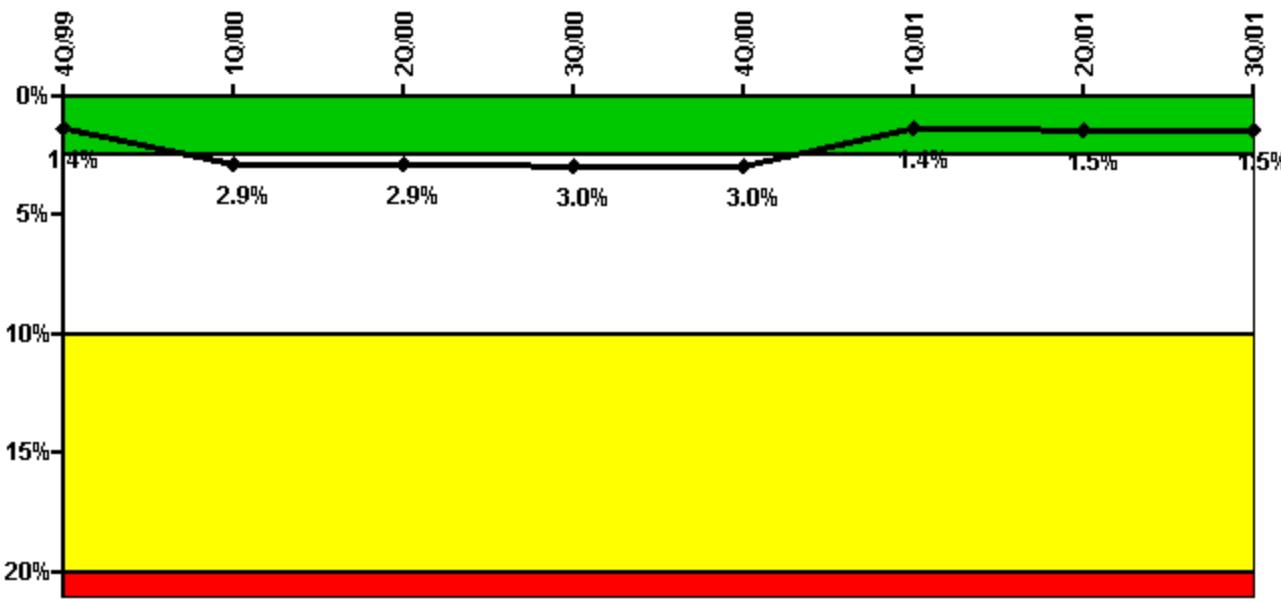
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	797.0	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0
Indicator value	1.9	0	0	0	0	0	0	0

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	3Q/01
<b>Train 1</b>								
Planned unavailable hours	1.00	19.60	9.60	132.50	192.90	1.40	0	19.60
Unplanned unavailable hours	0	6.50	0	0.60	0	0.30	0	0
Fault exposure hours	0	1038.40	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	1038.40	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	0.30	3.40	8.00	19.00	1.10	20.10	0
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70	0
Fault exposure hours	0	0	0	0	0	0	44.30	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	4.60	101.70	3.10	0	0.70	0.70	0	0.20
Unplanned unavailable hours	6.90	0	7.80	13.50	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>1.4%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>

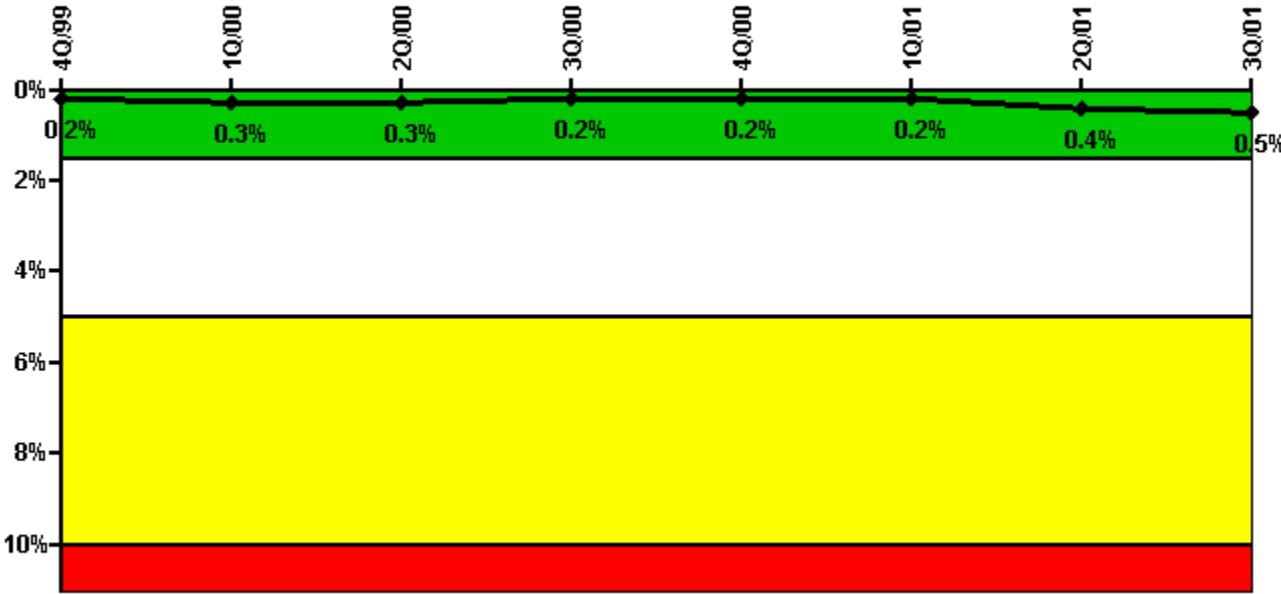
Licensee Comments:

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

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



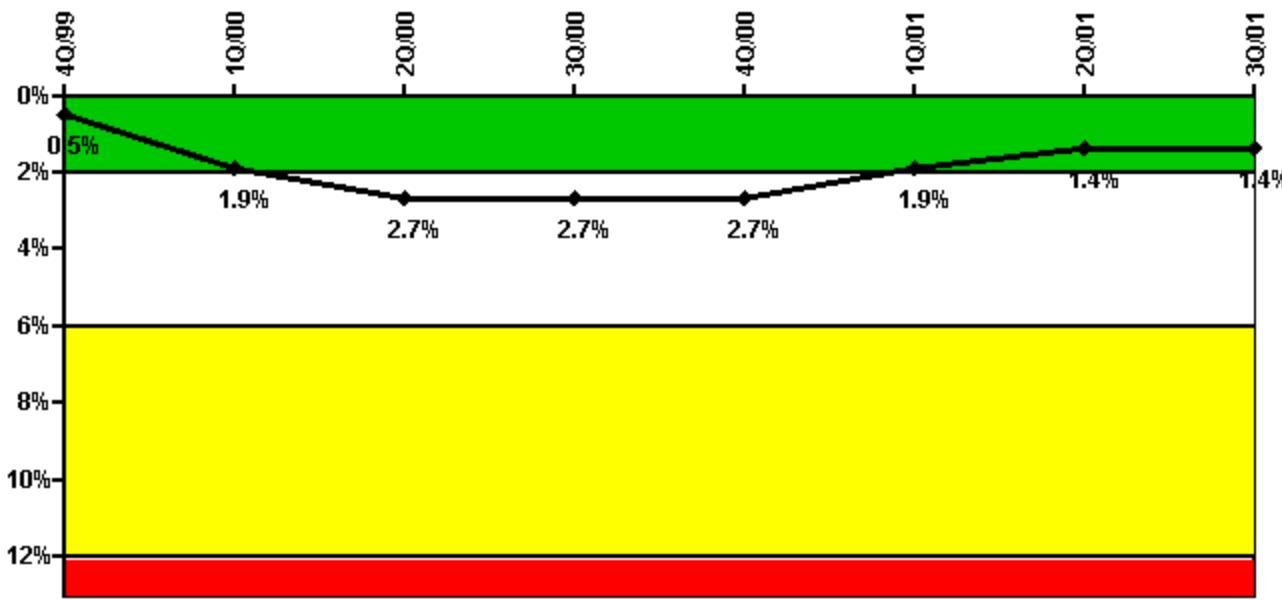
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)								
	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	3.20	6.40	6.00	2.90	12.40	1.10
Unplanned unavailable hours	0	0	0	0.60	0	0	0.50	8.50
Fault exposure hours	0	0	0	0	0	0	0	14.90
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	0.30	6.00	6.40	2.20	3.30	20.80	3.60
Unplanned unavailable hours	0	58.10	0	0	0	0	2.70	0
Fault exposure hours	0	0	0	0	0	0	44.30	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>0.5%</b>

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
<b>Train 1</b>									
Planned unavailable hours		2.30	4.40	6.50	7.10	4.30	2.90	12.40	1.10
Unplanned unavailable hours		0	11.40	0	0.60	0	0	0	8.50
Fault exposure hours		0	668.90	0	0	0	0	0	14.90
Effective Reset hours		0	0	0	0	0	572.70	0	0
Required hours		797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00
<b>Train 2</b>									
Planned unavailable hours		0.70	0.30	12.10	7.00	21.60	3.60	20.80	3.50
Unplanned unavailable hours		0	58.10	0	0	0	0	2.70	0
Fault exposure hours		0	0	0	0	0	0	44.30	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00
<b>Train 3</b>									
Planned unavailable hours		0	19.60	3.20	4.30	0.20	0.80	0.50	0.50
Unplanned unavailable hours		0	17.30	56.30	0	0	0	0	0
Fault exposure hours		0	234.50	515.00	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	360.60	0
Required hours		797.00	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00
<b>Indicator value</b>		<b>0.5%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>

Licensee Comments:

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

1Q/00:

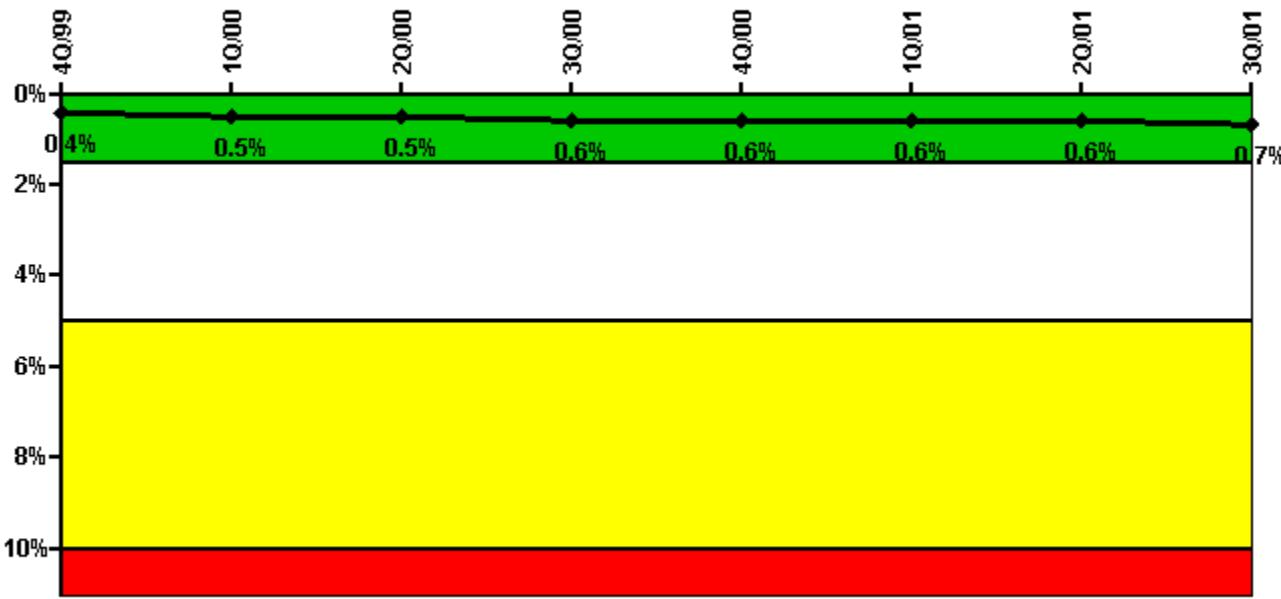
Effective Reset Comments:

2Q/01: Previously reset hours were reset under new process

2Q/01: Previously reset hours were reset under new process.

1Q/01: Previously reset hours were reset under new process.

### Safety System Unavailability, Residual Heat Removal System



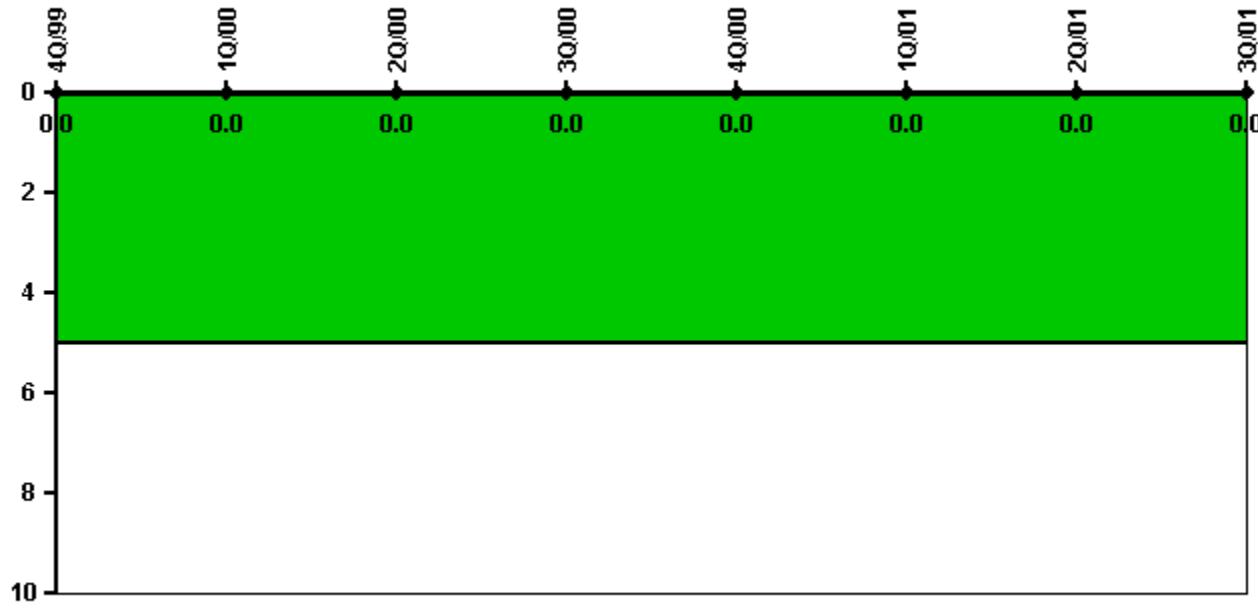
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### 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		0.30	9.70	3.80	20.70	5.80	21.70	17.60	8.10
Unplanned unavailable hours		0	12.00	3.60	0.60	0	0	0.60	8.50
Fault exposure hours		0	0	0	0	0	0	0	14.90
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		0.70	7.20	7.60	21.70	11.40	3.30	25.60	4.10
Unplanned unavailable hours		0	58.10	0	0	0	0	2.70	0
Fault exposure hours		0	0	0	0	0	0	44.30	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
Indicator value		0.4%	0.5%	0.5%	0.6%	0.6%	0.6%	0.6%	0.7%

Licensee Comments: none

### Safety System Functional Failures (PWR)



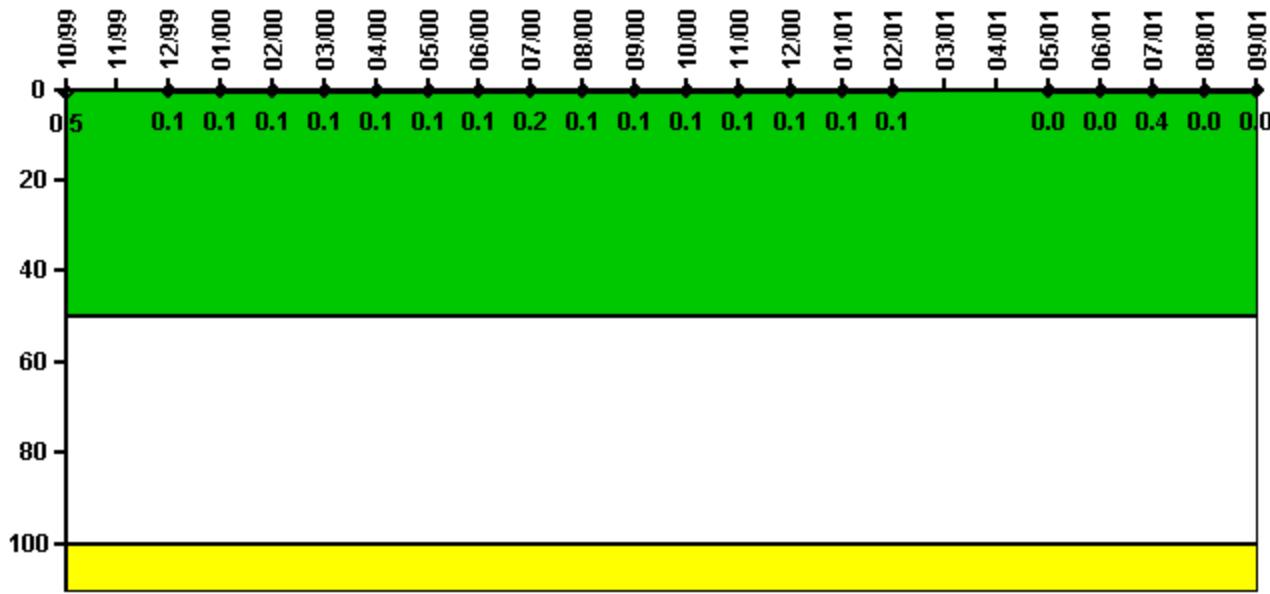
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

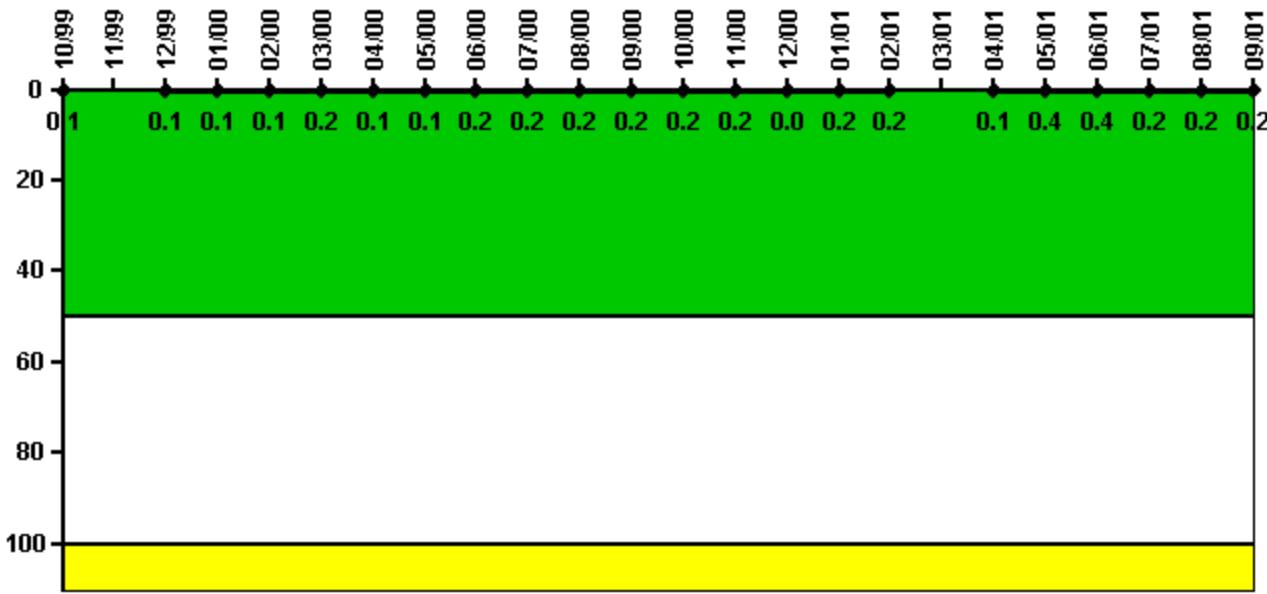
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.001550	N/A	0.000380	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.5	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1

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	0.000228	0.000241	0.000260	0.000241	0.000240	N/A	N/A	0.000132	0.000164	0.001814	0.000207	0.000200
Technical specification limit	0.3	0.3	0.3	0.3	0.3	N/A	N/A	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	N/A	N/A	0	0	0.4	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

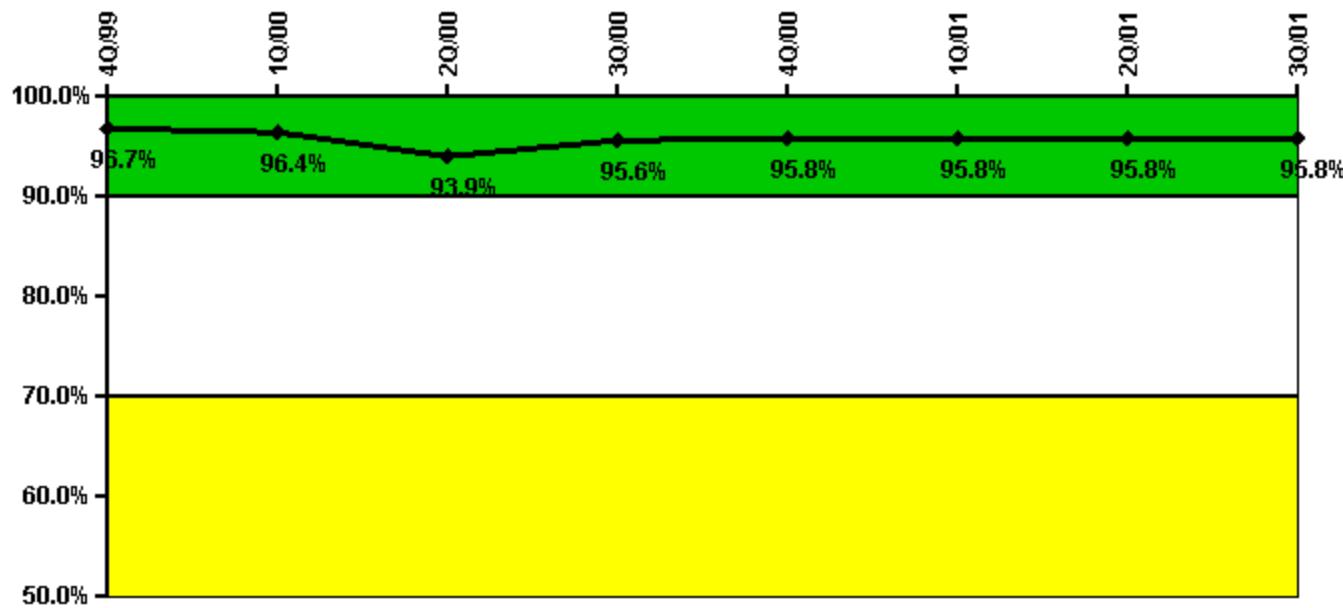
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.006	N/A	0.011	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2

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	0.020	0.018	0	0.018	0.023	N/A	0.006	0.036	0.037	0.023	0.018	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0	0.2	0.2	N/A	0.1	0.4	0.4	0.2	0.2	0.2

Licensee Comments: none

### Drill/Exercise Performance

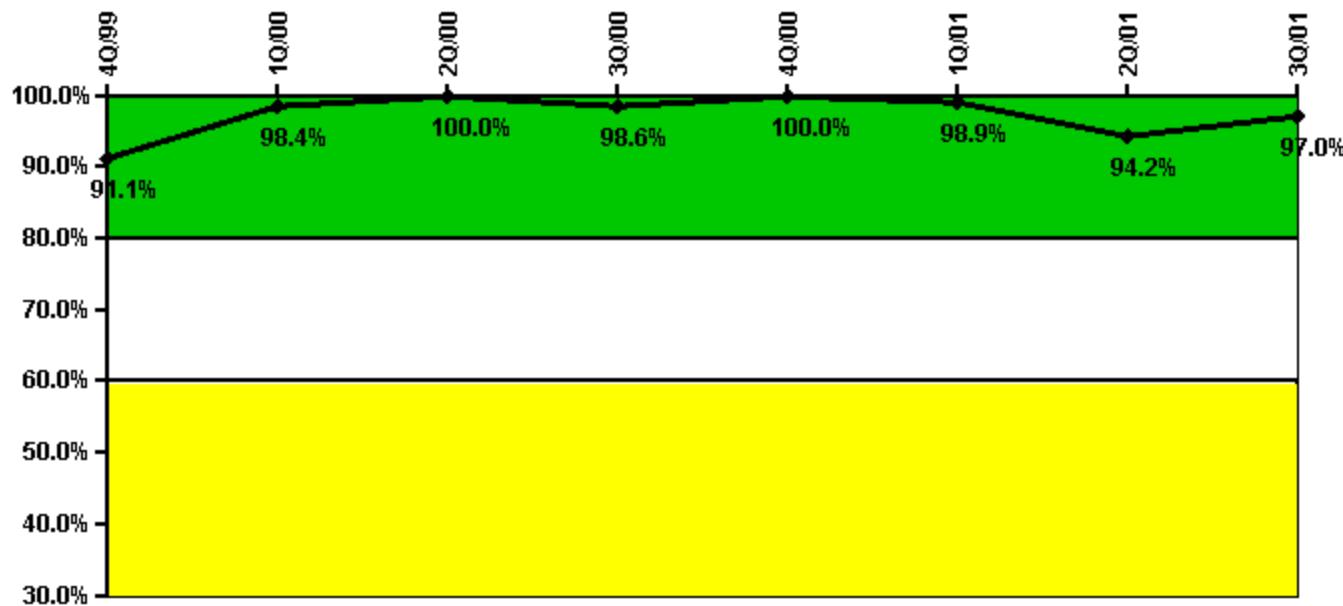


Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	0	6.0	15.0	65.0	56.0	9.0	37.0	61.0
Total opportunities	0	6.0	18.0	66.0	58.0	10.0	38.0	64.0
Indicator value	96.7%	96.4%	93.9%	95.6%	95.8%	95.8%	95.8%	95.8%

Licensee Comments: none

**ERO Drill Participation**

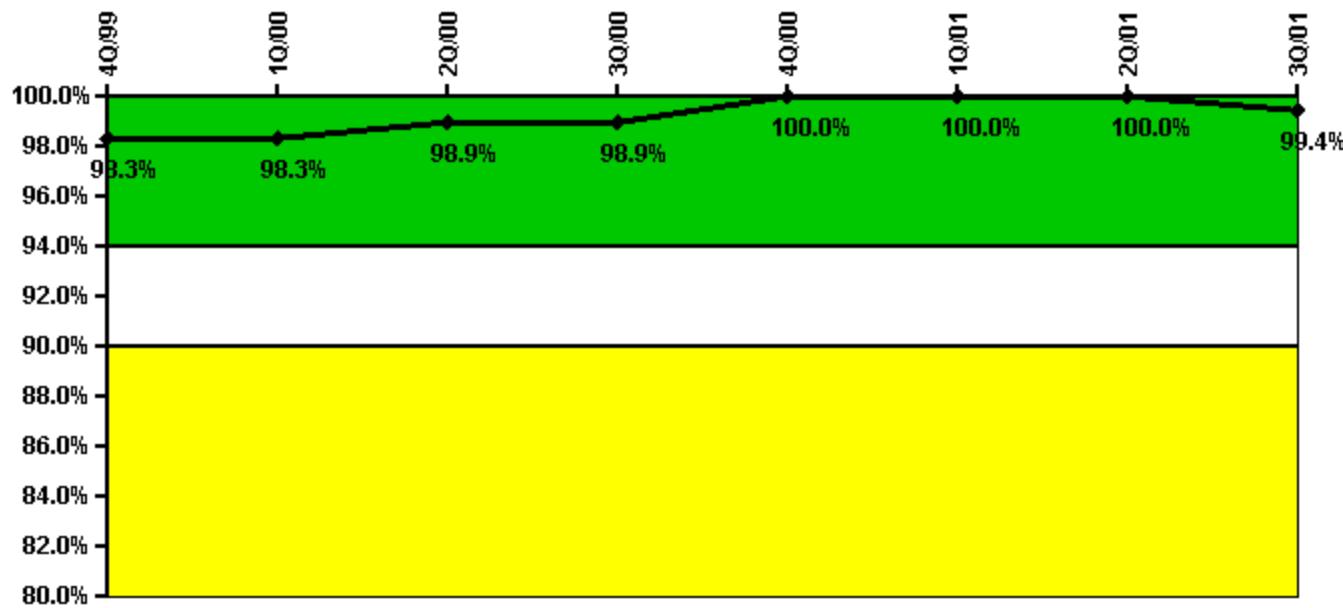
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	112.0	121.0	121.0	141.0	103.0	94.0	97.0	97.0
Total Key personnel	123.0	123.0	121.0	143.0	103.0	95.0	103.0	100.0
Indicator value	91.1%	98.4%	100.0%	98.6%	100.0%	98.9%	94.2%	97.0%

Licensee Comments: none

### Alert & Notification System

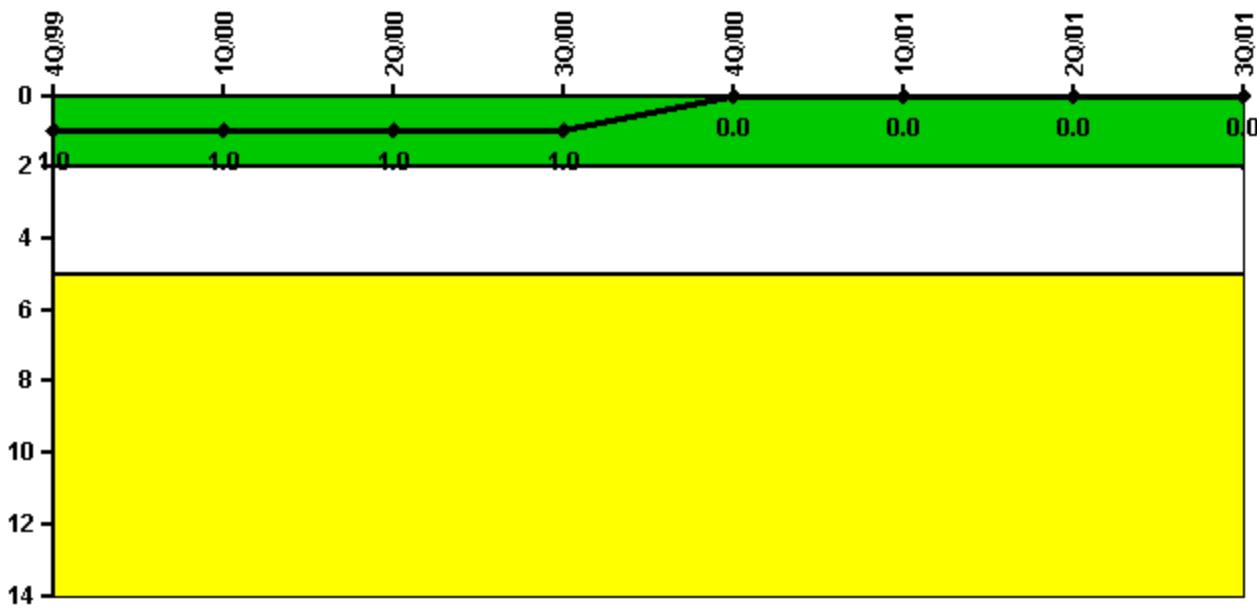


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	46	42	48	42	45	42	45	41
Total sirens-tests	48	42	48	42	45	42	45	42
Indicator value	98.3%	98.3%	98.9%	98.9%	100.0%	100.0%	100.0%	99.4%

Licensee Comments: none

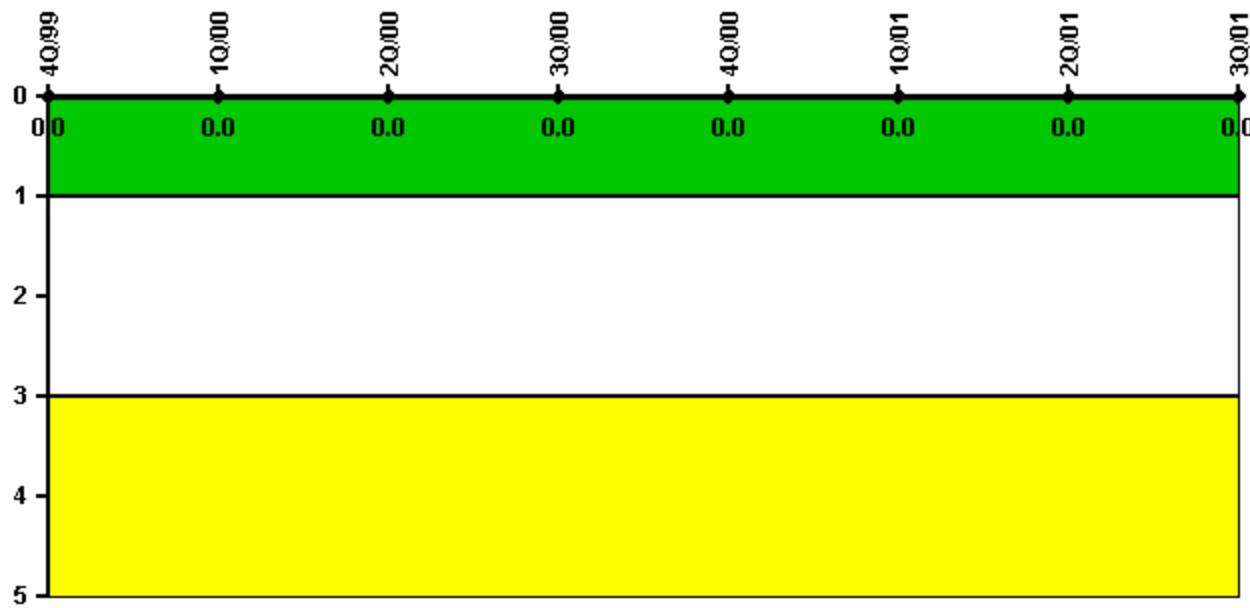
**Occupational Exposure Control Effectiveness**

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	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

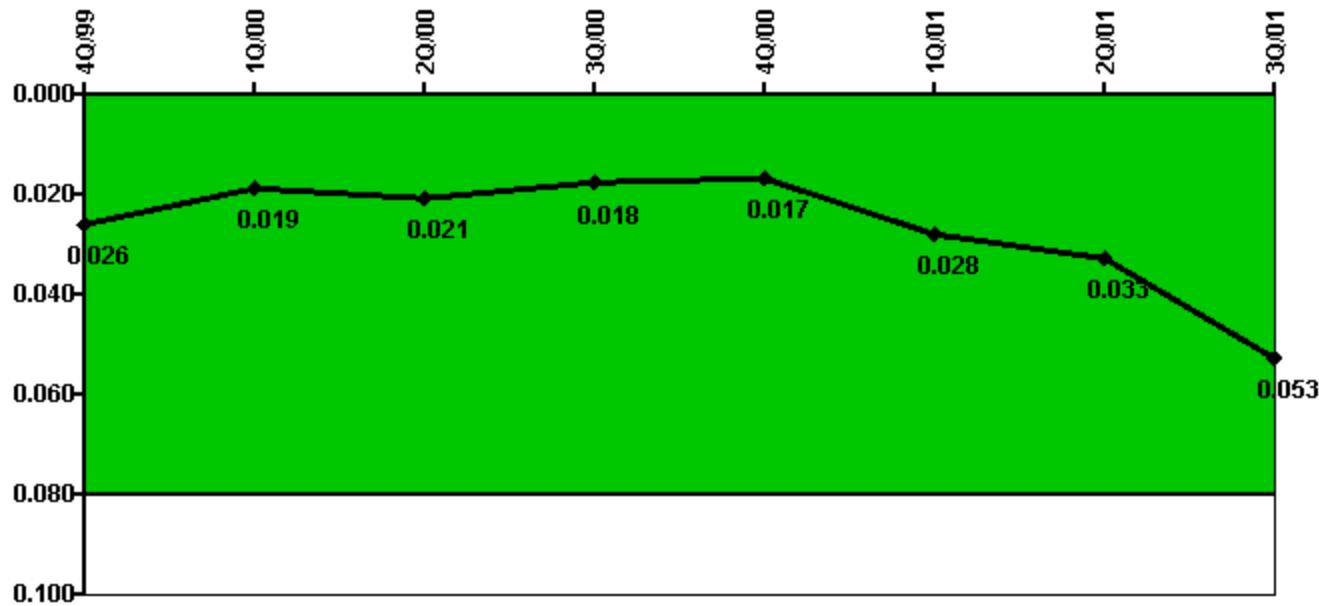
**Notes**

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



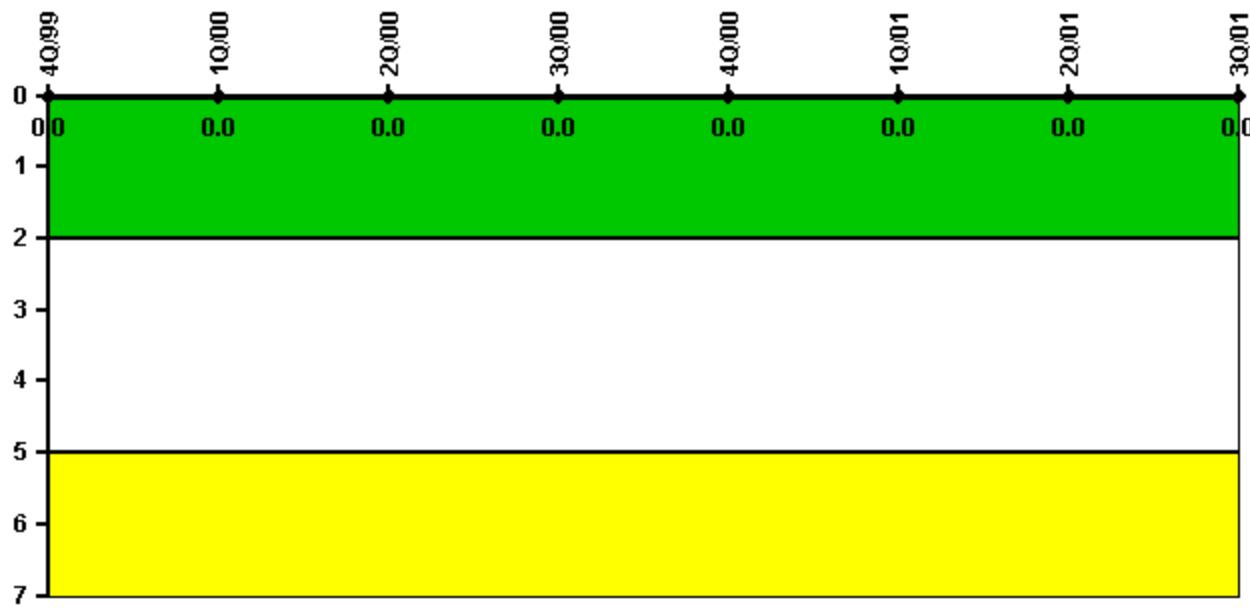
Thresholds: White > 0.080

#### 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	87.50	6.30	231.40	119.10	88.37	172.90	70.80	71.96
CCTV compensatory hours	35.5	17.0	0	20.7	9.3	136.8	216.4	475.5
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.026</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.028</b>	<b>0.033</b>	<b>0.053</b>

Licensee Comments: none

### Personnel Screening Program



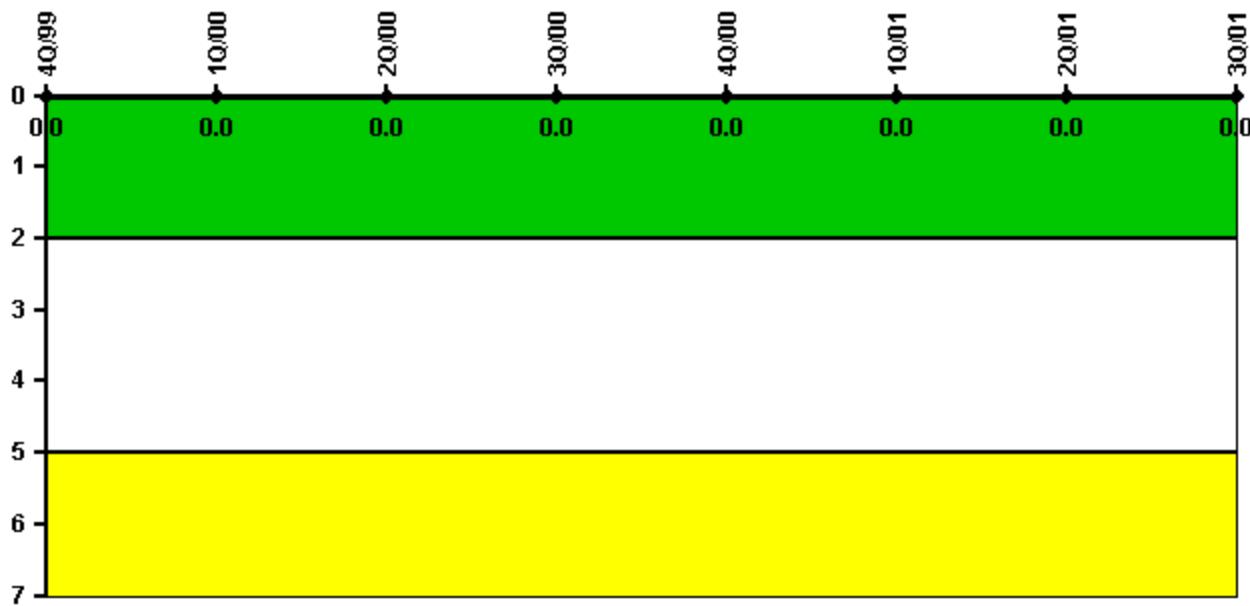
Thresholds: White > 2.0 Yellow > 5.0

#### 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	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

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

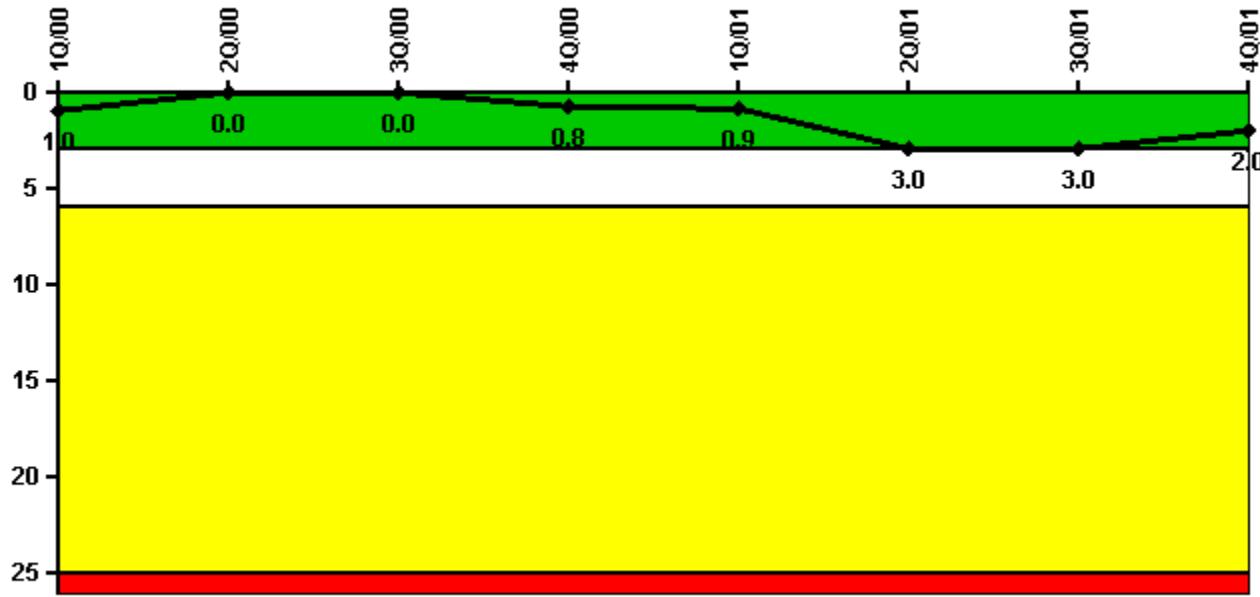


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002

**Farley 2****4Q/2001 Performance Indicators**

Licensee's General Comments: none

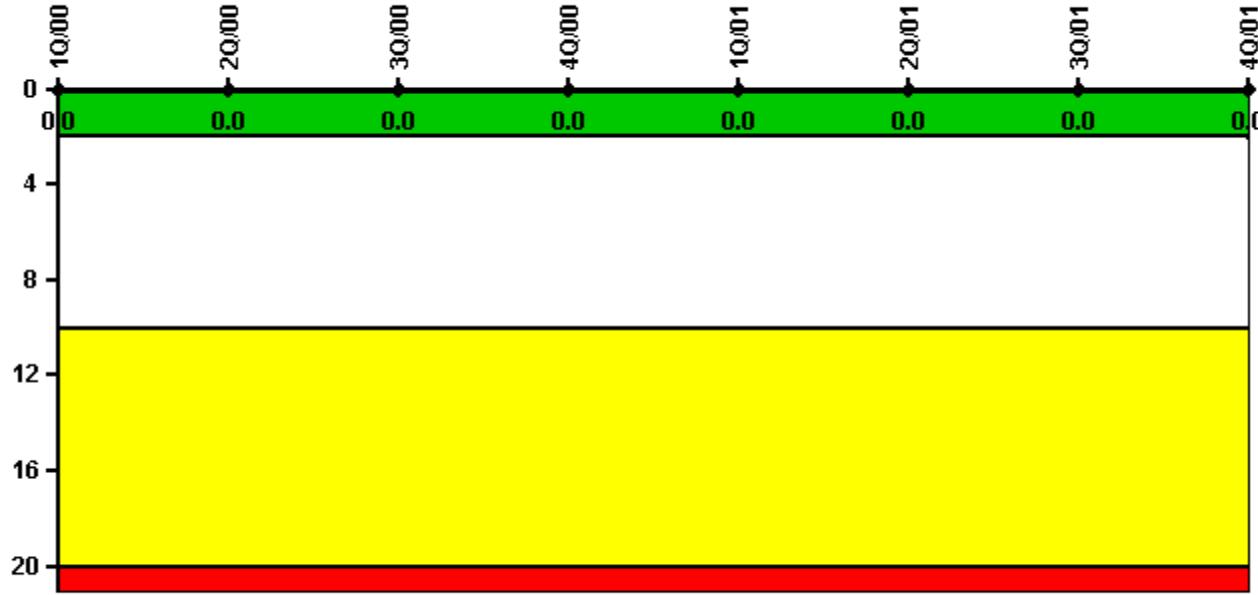
**Unplanned Scrams per 7000 Critical Hrs**

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	0	0	0	1.0	0	2.0	0	0
Critical hours	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0
Indicator value	1.0	0	0	0.8	0.9	3.0	3.0	2.0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

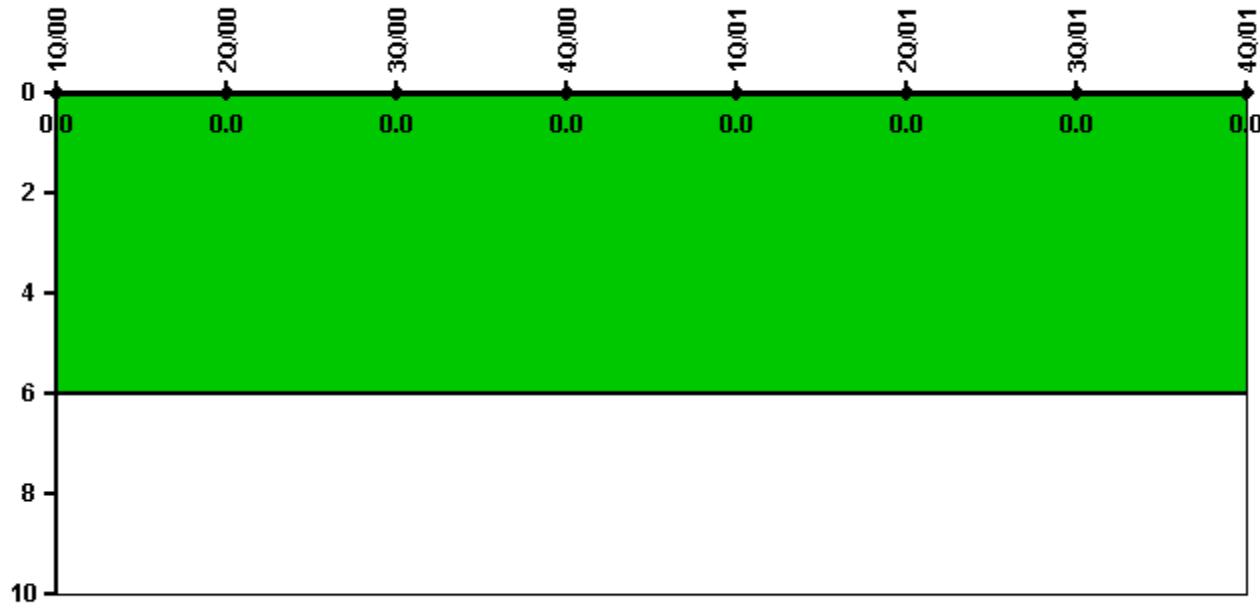
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
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

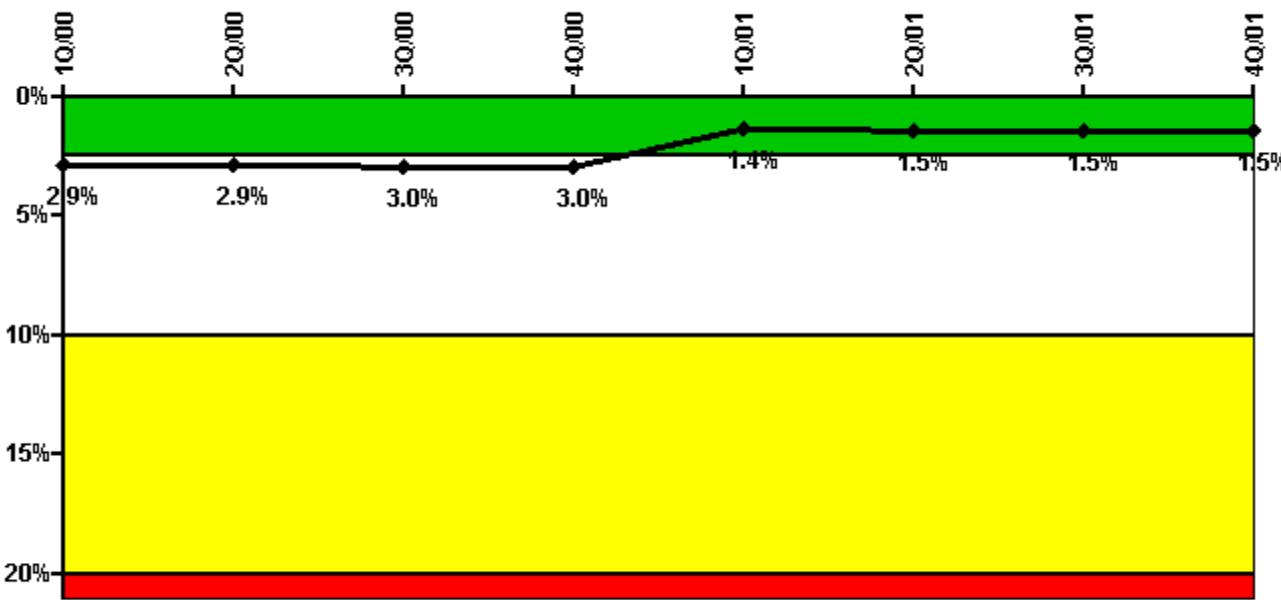
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	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		19.60	9.60	132.50	192.90	1.40	0	19.60	5.70
Unplanned unavailable hours		6.50	0	0.60	0	0.30	0	0	0
Fault exposure hours		1038.40	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	1038.40	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		0.30	3.40	8.00	19.00	1.10	20.10	0	11.10
Unplanned unavailable hours		58.10	0	0	0	0	2.70	0	0
Fault exposure hours		0	0	0	0	0	44.30	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		101.70	3.10	0	0.70	0.70	0	0.20	0.80
Unplanned unavailable hours		0	7.80	13.50	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>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>

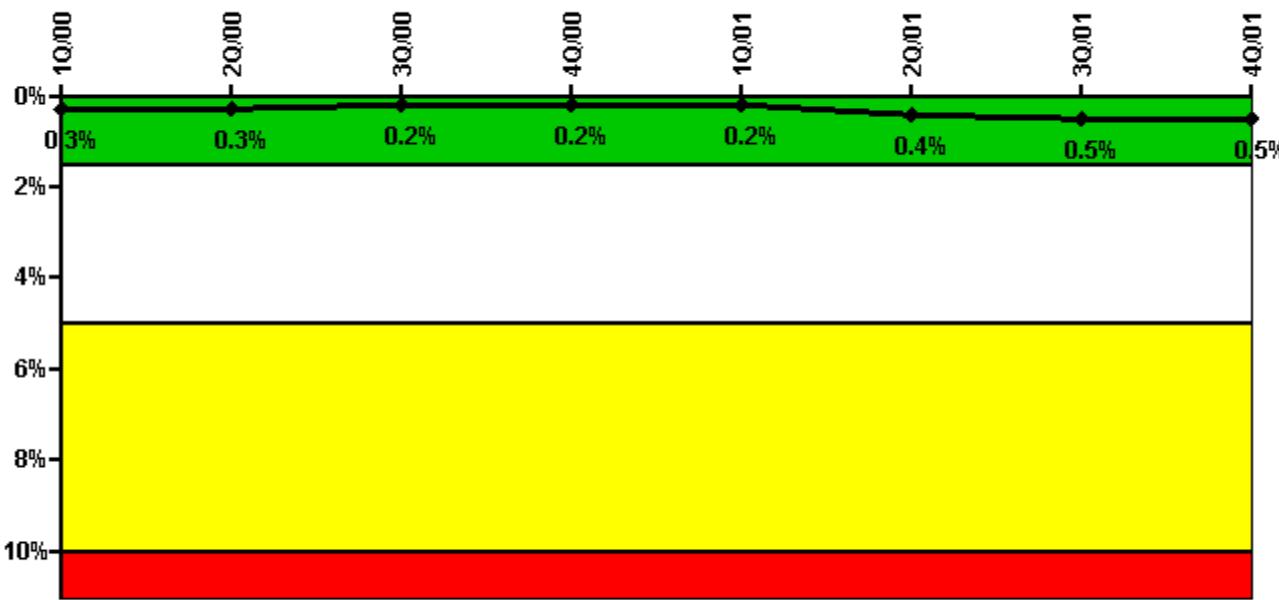
### Licensee Comments:

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

### Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

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



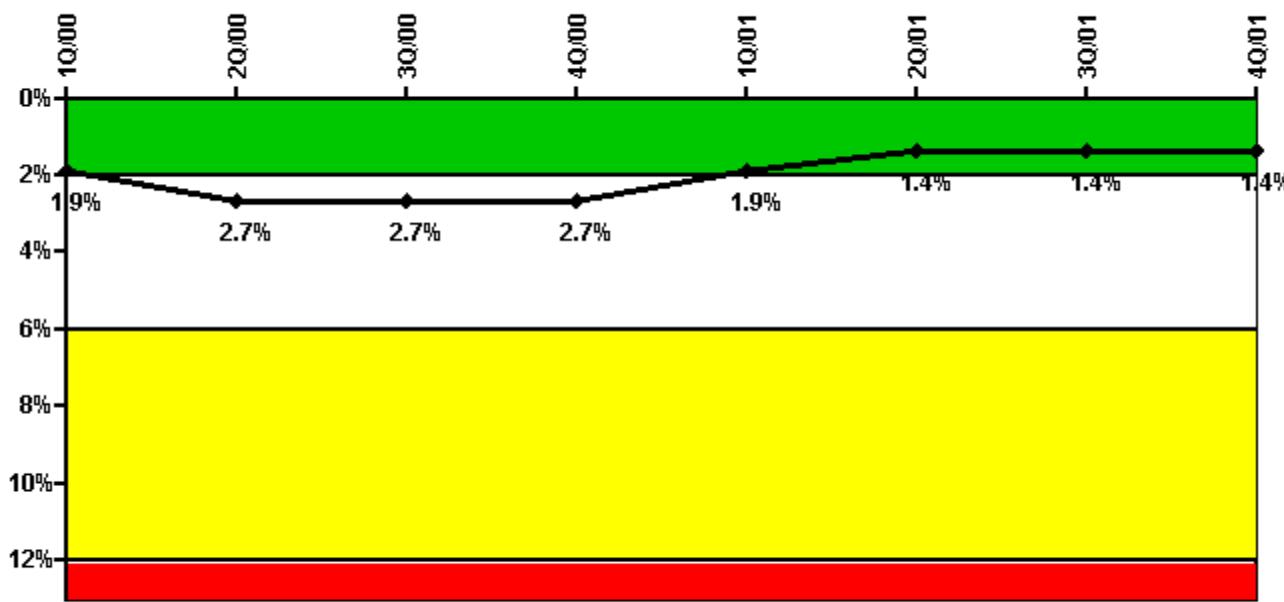
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>									
Planned unavailable hours		0	3.20	6.40	6.00	2.90	12.40	1.10	3.50
Unplanned unavailable hours		0	0	0.60	0	0	0.50	8.50	13.90
Fault exposure hours		0	0	0	0	0	0	14.90	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 2</b>									
Planned unavailable hours		0.30	6.00	6.40	2.20	3.30	20.80	3.60	4.00
Unplanned unavailable hours		58.10	0	0	0	0	2.70	0	0
Fault exposure hours		0	0	0	0	0	44.30	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
Indicator value		0.3%	0.3%	0.2%	0.2%	0.2%	0.4%	0.5%	0.5%

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>									
Planned unavailable hours		4.40	6.50	7.10	4.30	2.90	12.40	1.10	3.90
Unplanned unavailable hours		11.40	0	0.60	0	0	0	8.50	0
Fault exposure hours		668.90	0	0	0	0	0	14.90	0
Effective Reset hours		0	0	0	0	572.70	0	0	0
Required hours		2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 2</b>									
Planned unavailable hours		0.30	12.10	7.00	21.60	3.60	20.80	3.50	4.70
Unplanned unavailable hours		58.10	0	0	0	0	2.70	0	0
Fault exposure hours		0	0	0	0	0	44.30	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 3</b>									
Planned unavailable hours		19.60	3.20	4.30	0.20	0.80	0.50	0.50	0.60
Unplanned unavailable hours		17.30	56.30	0	0	0	0	0	0
Fault exposure hours		234.50	515.00	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	360.60	0	0
Required hours		2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Indicator value</b>		<b>1.9%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>

### Licensee Comments:

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

1Q/00:

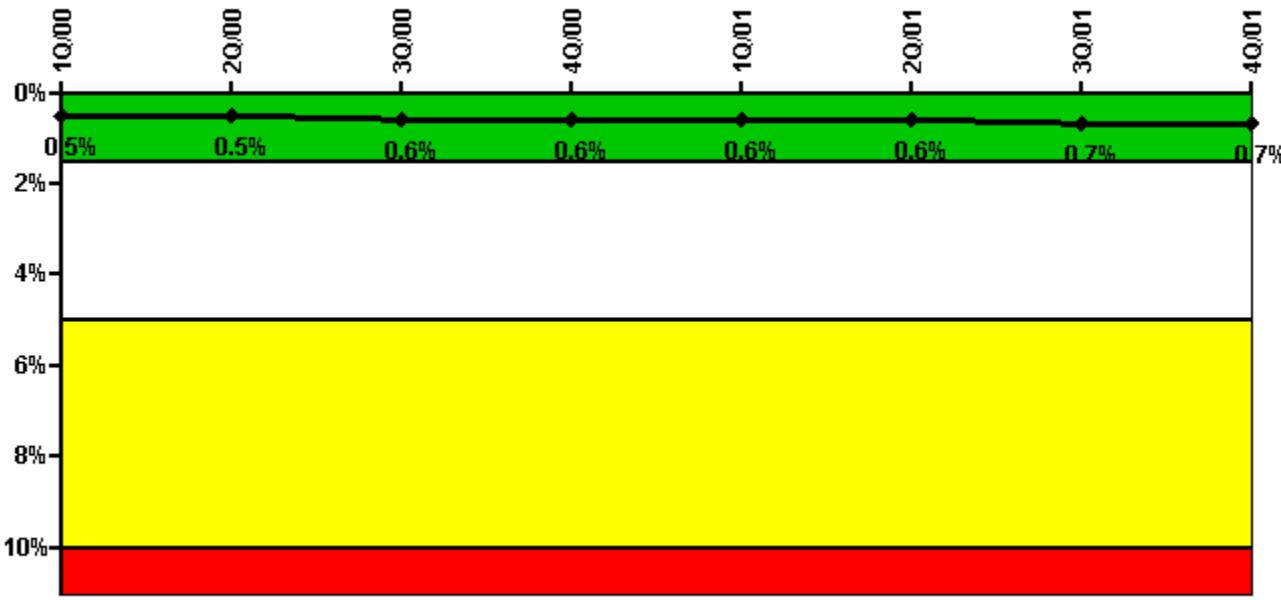
### Effective Reset Comments:

2Q/01: Previously reset hours were reset under new process

2Q/01: Previously reset hours were reset under new process.

1Q/01: Previously reset hours were reset under new process.

### Safety System Unavailability, Residual Heat Removal System

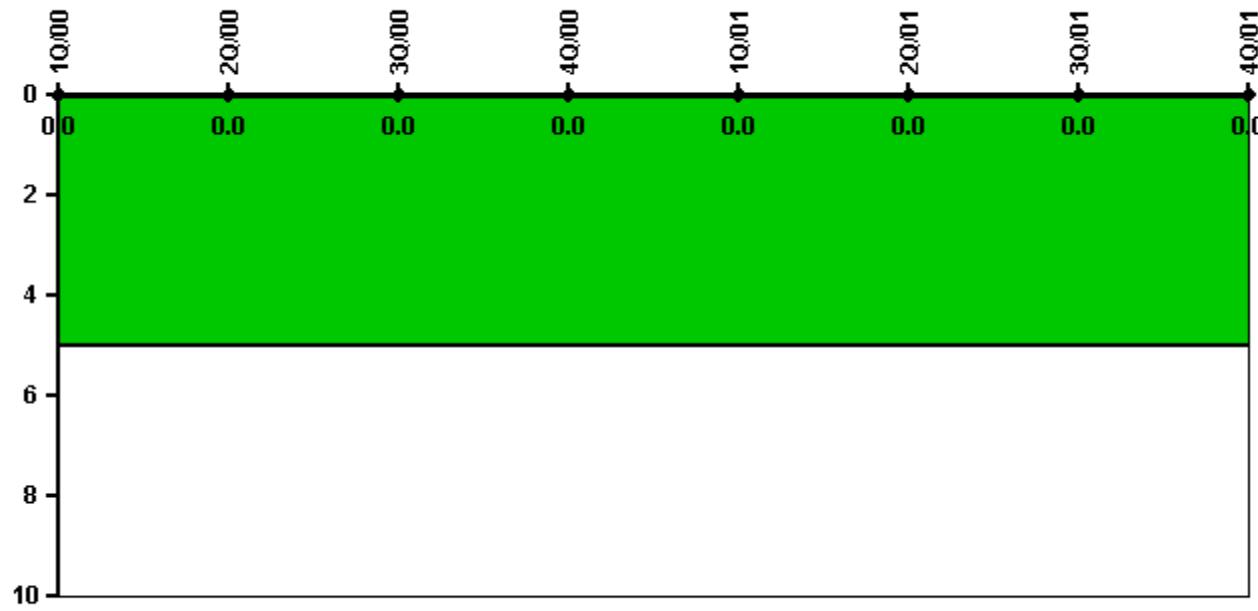


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### 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	9.70	3.80	20.70	5.80	21.70	17.60	8.10	16.70
Unplanned unavailable hours	12.00	3.60	0.60	0	0	0.60	8.50	13.90
Fault exposure hours	0	0	0	0	0	0	14.90	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	7.20	7.60	21.70	11.40	3.30	25.60	4.10	6.80
Unplanned unavailable hours	58.10	0	0	0	0	2.70	0	0
Fault exposure hours	0	0	0	0	0	44.30	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
Indicator value	0.5%	0.5%	0.6%	0.6%	0.6%	0.6%	0.7%	0.7%

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

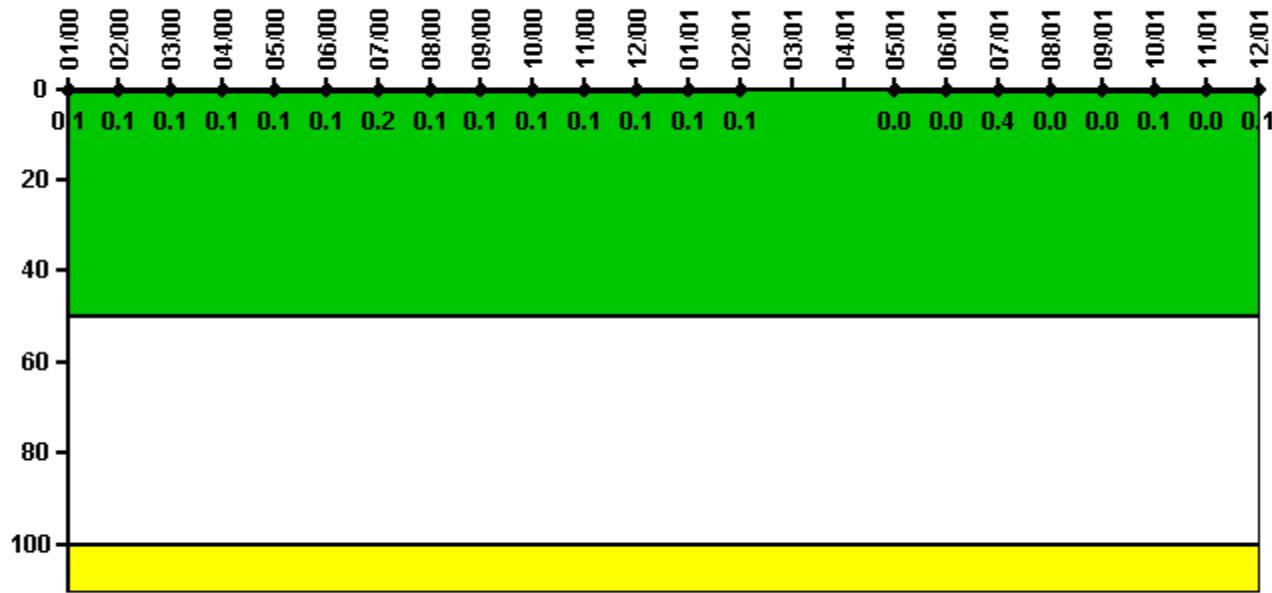
**Notes**

Safety System Functional Failures (PWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
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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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

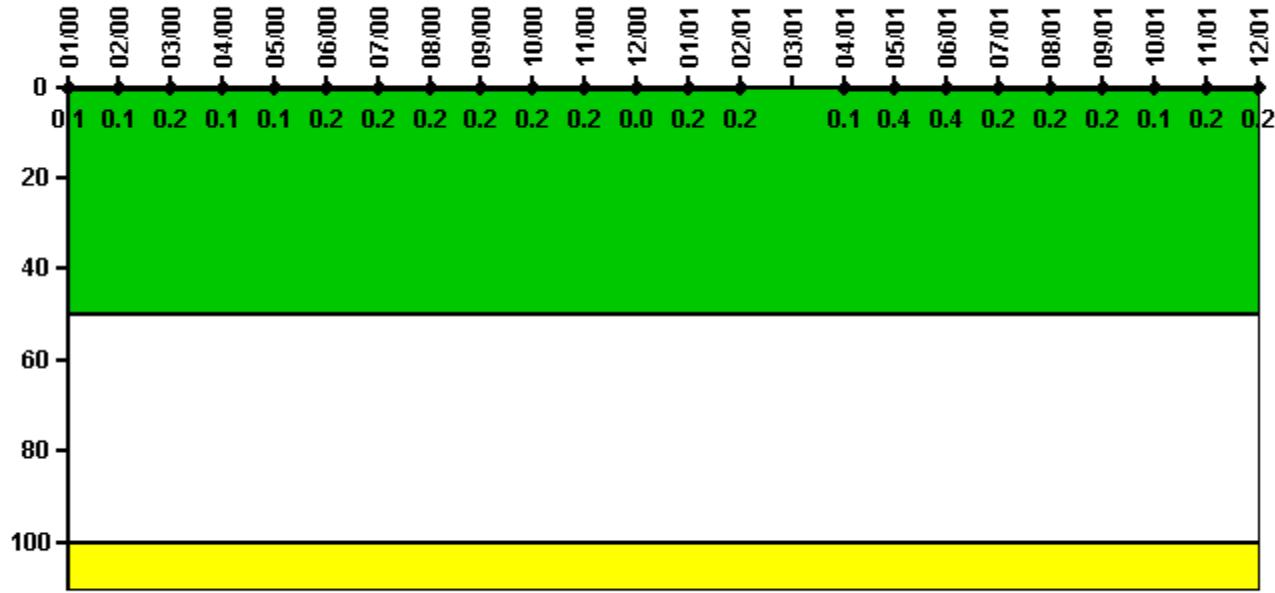
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237	0.000228	0.000241	0.000260
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>

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	0.000241	0.000240	N/A	N/A	0.000132	0.000164	0.001814	0.000207	0.000200	0.000439	0.000222	0.000251
Technical specification limit	0.3	0.3	N/A	N/A	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>0</b>	<b>0.4</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0</b>	<b>0.1</b>

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

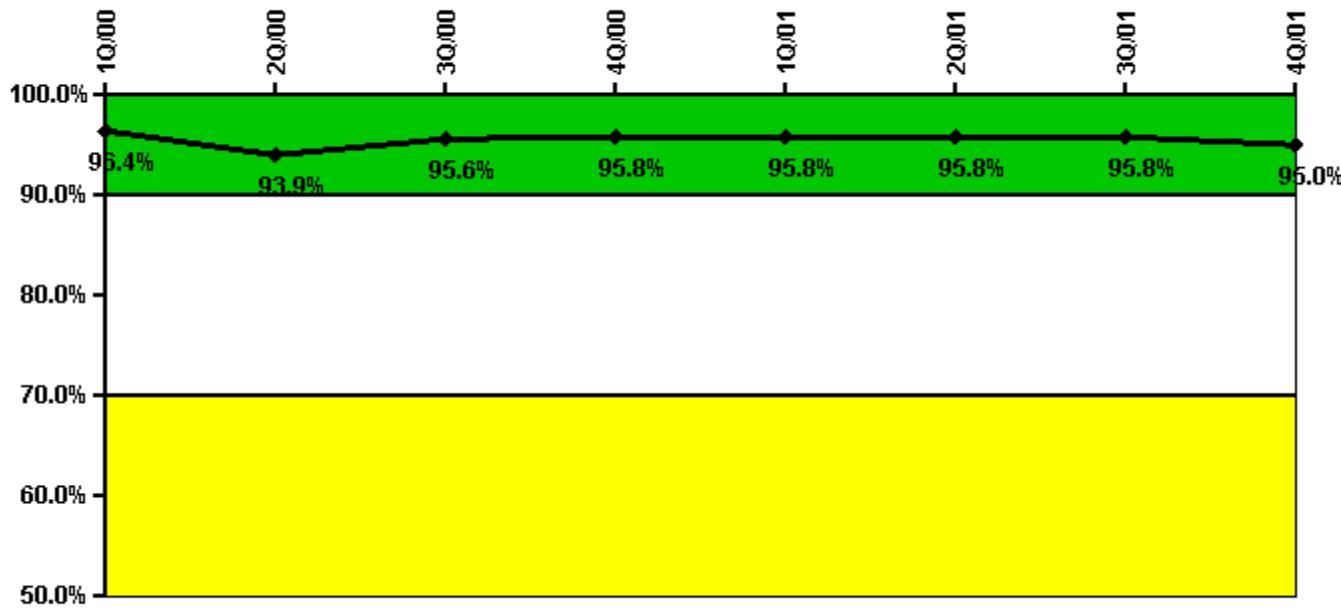
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018	0.020	0.018	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0

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	0.018	0.023	N/A	0.006	0.036	0.037	0.023	0.018	0.024	0.013	0.017	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	N/A	0.1	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

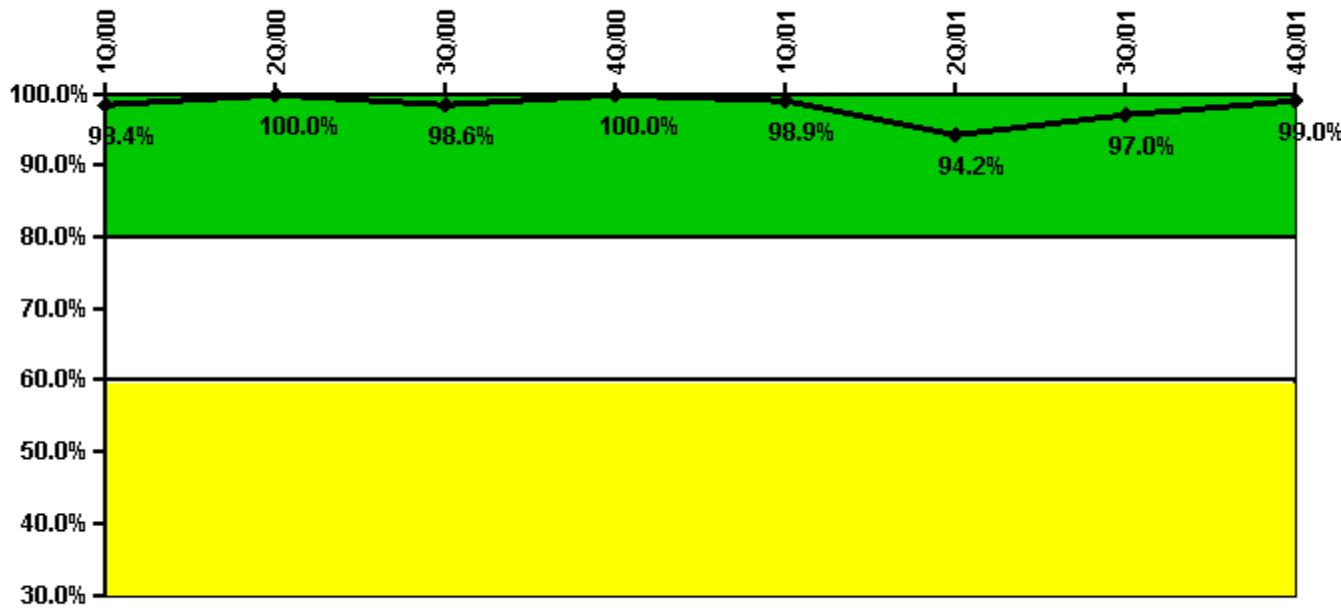
#### Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	6.0	15.0	65.0	56.0	9.0	37.0	61.0	38.0
Total opportunities	6.0	18.0	66.0	58.0	10.0	38.0	64.0	42.0
Indicator value	96.4%	93.9%	95.6%	95.8%	95.8%	95.8%	95.8%	95.0%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

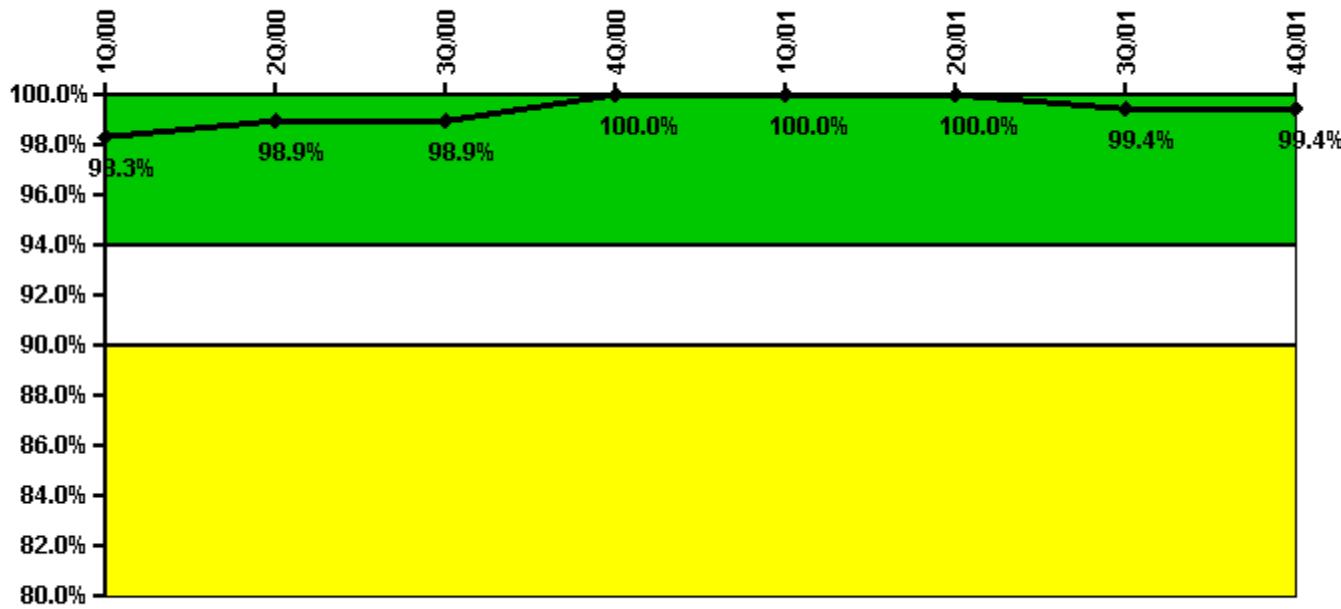
#### Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	121.0	121.0	141.0	103.0	94.0	97.0	97.0	99.0
Total Key personnel	123.0	121.0	143.0	103.0	95.0	103.0	100.0	100.0
Indicator value	98.4%	100.0%	98.6%	100.0%	98.9%	94.2%	97.0%	99.0%

Licensee Comments: none

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## Alert & Notification System



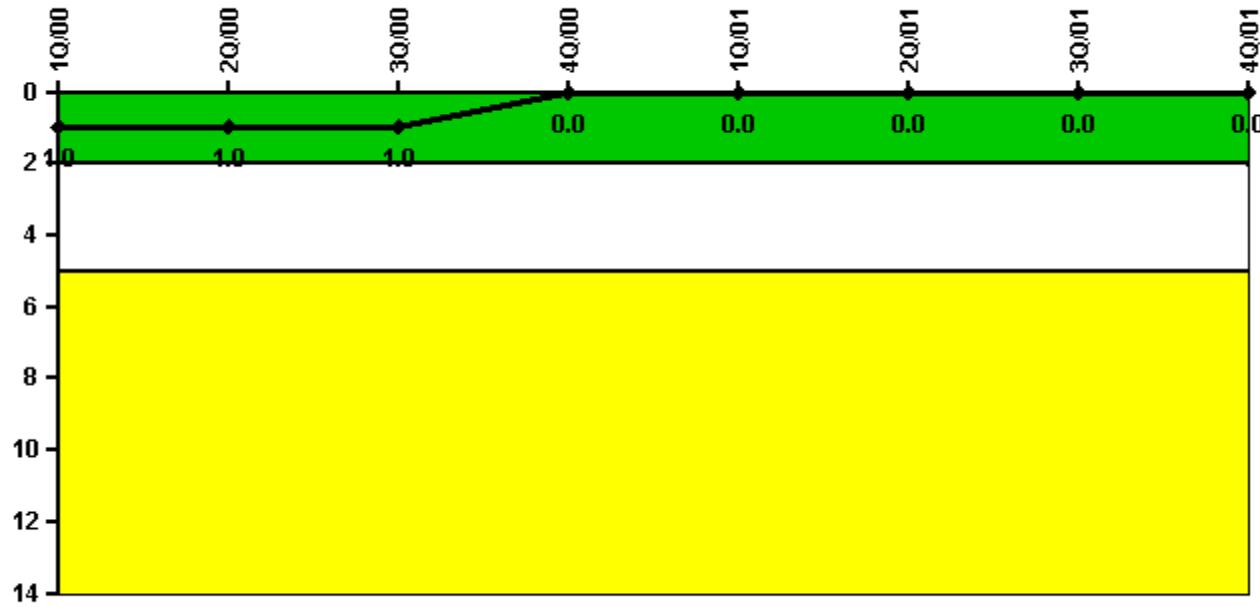
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	42	48	42	45	42	45	41	45
Total sirens-tests	42	48	42	45	42	45	42	45
Indicator value	98.3%	98.9%	98.9%	100.0%	100.0%	100.0%	99.4%	99.4%

Licensee Comments: none

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**Occupational Exposure Control Effectiveness**

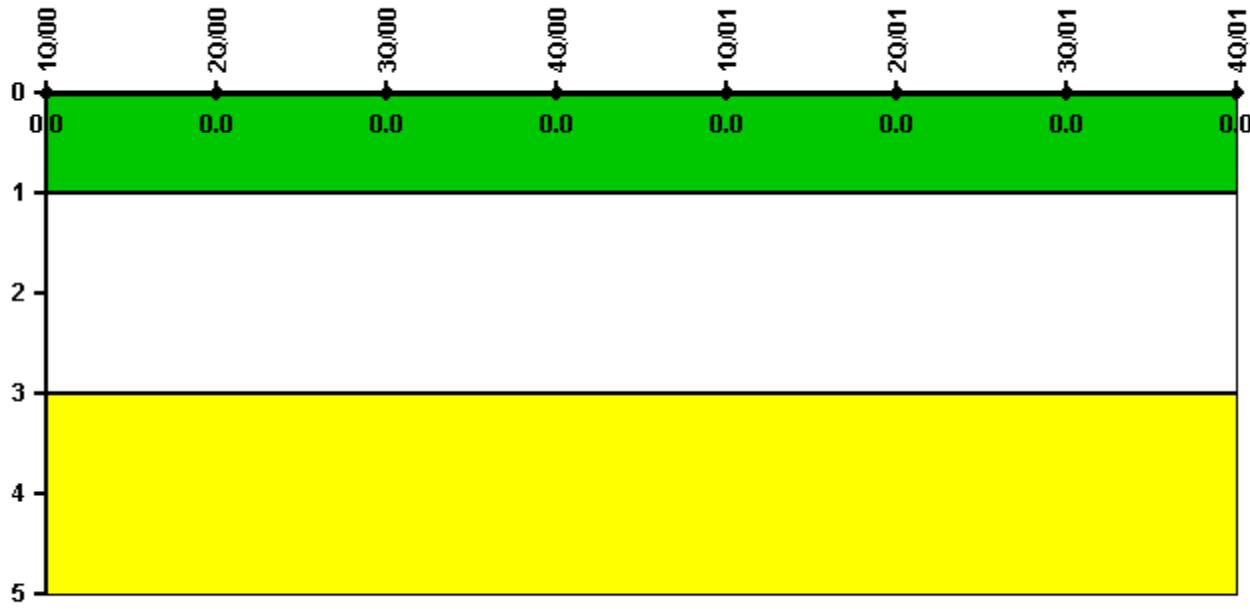
Thresholds: White > 2.0 Yellow > 5.0

**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	0	0	0	0	0	0
Indicator value	1	1	1	0	0	0	0	0

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

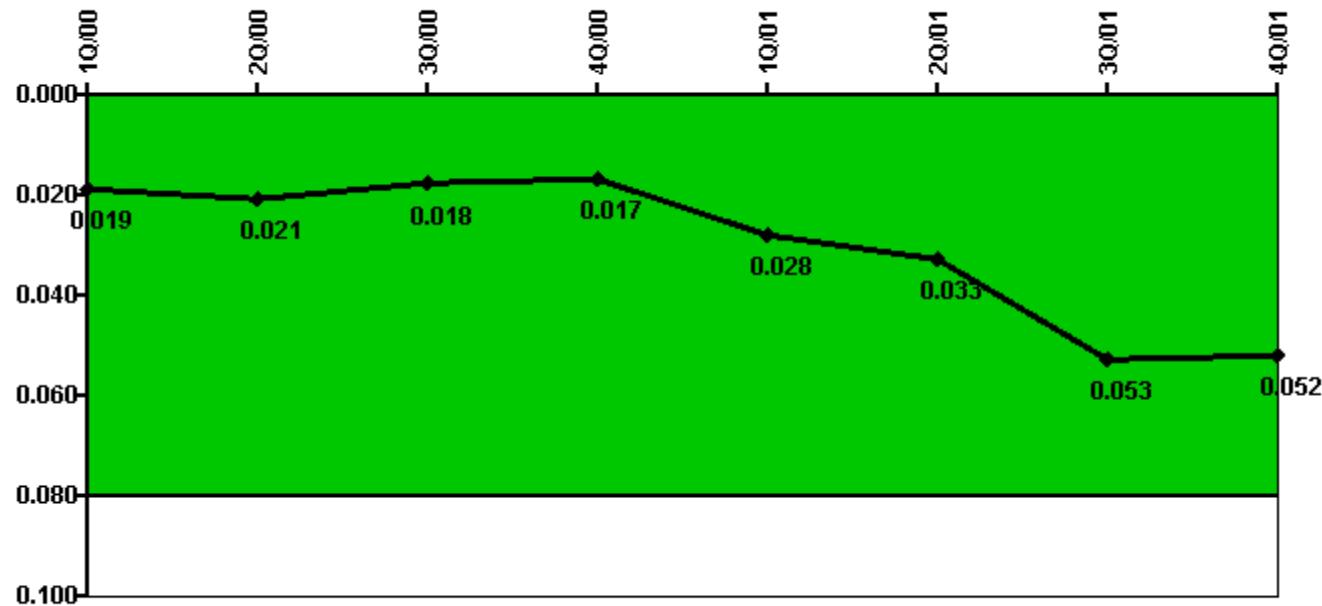
**Notes**

RETS/ODCM Radiological Effluent	1Q/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

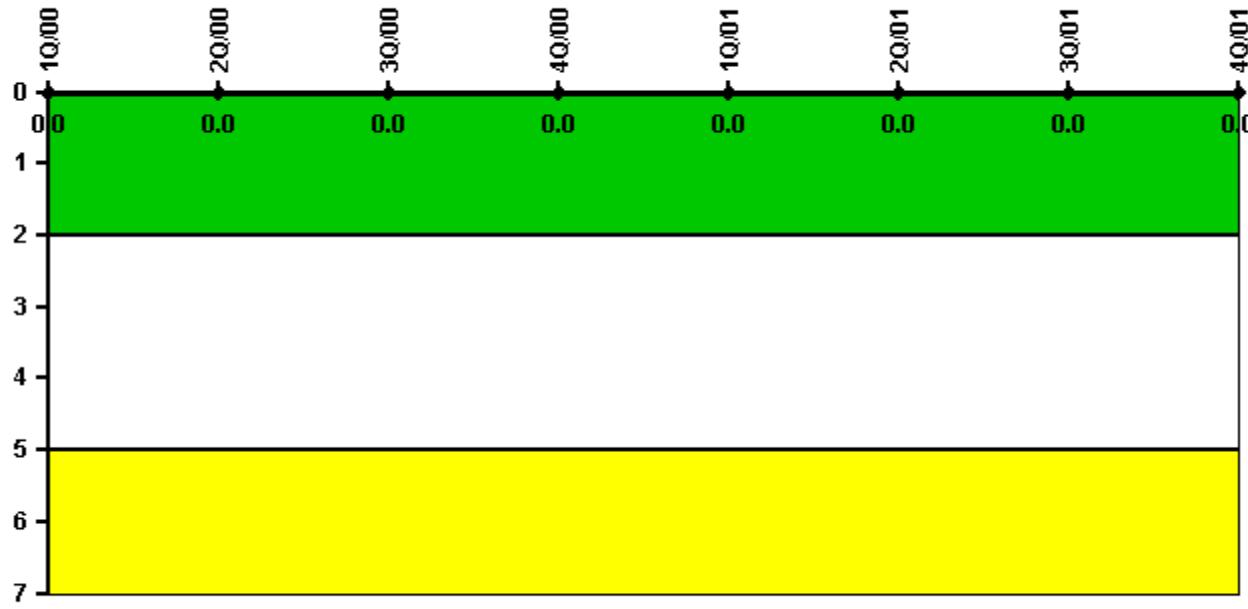


Thresholds: White > 0.080

### 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	6.30	231.40	119.10	88.37	172.90	70.80	71.96	44.90
CCTV compensatory hours	17.0	0	20.7	9.3	136.8	216.4	475.5	20.5
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.028</b>	<b>0.033</b>	<b>0.053</b>	<b>0.052</b>

Licensee Comments: none

**Personnel Screening Program**

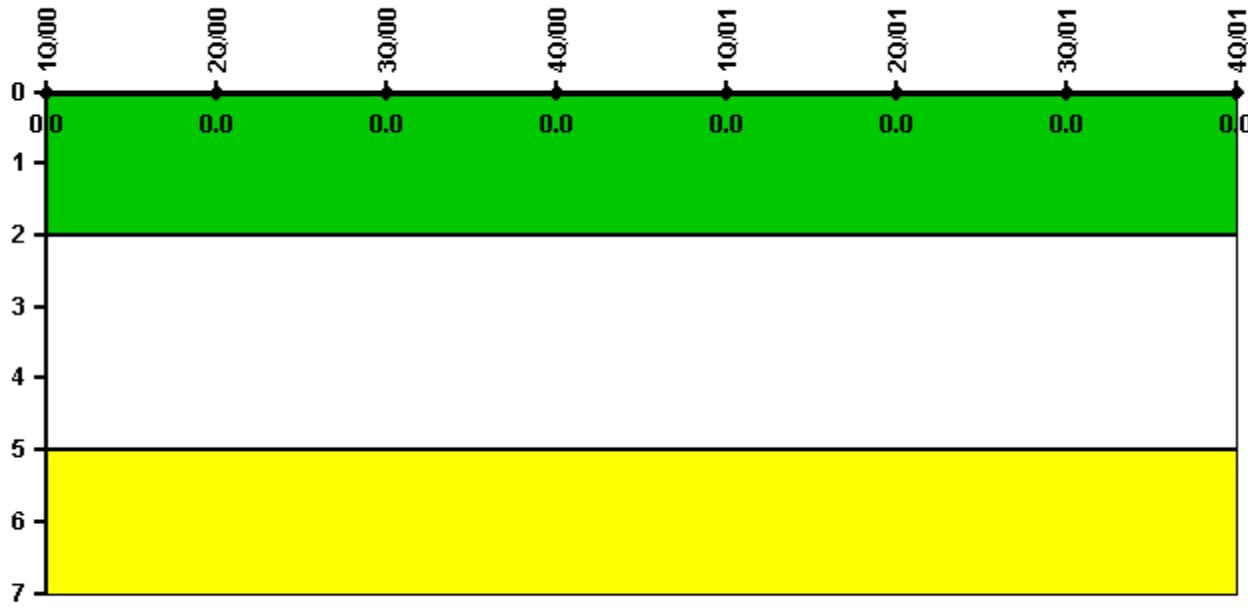
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

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

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

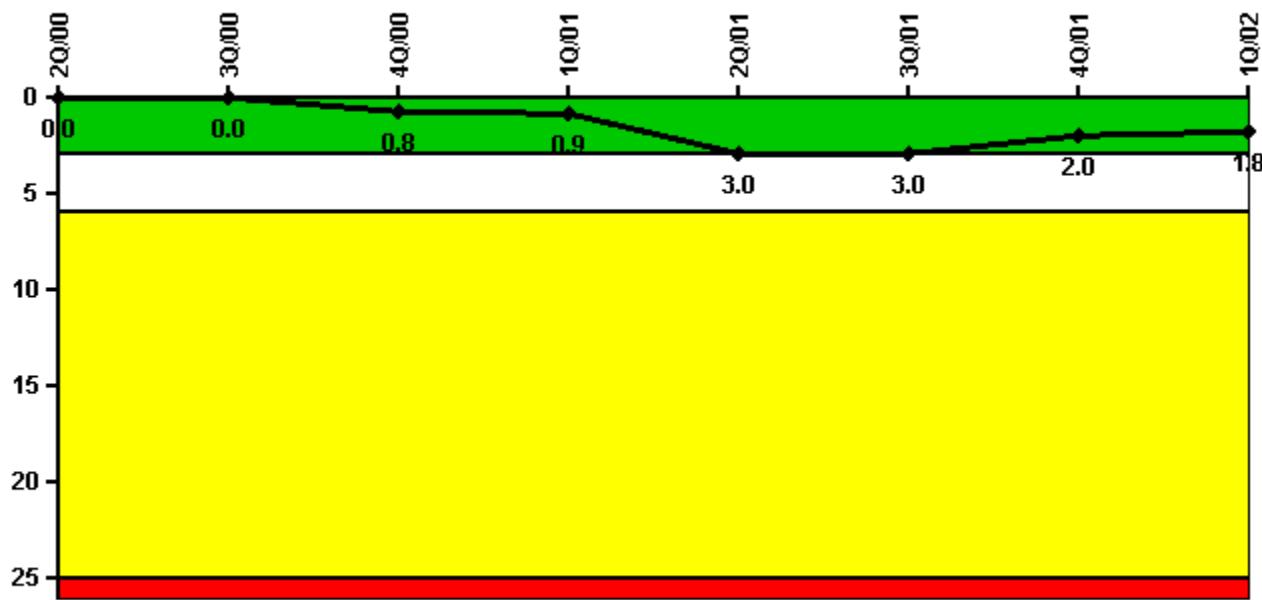


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002

**Farley 2****1Q/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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	1.0	0	2.0	0	0	0
Critical hours	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0
Indicator value	0	0	0.8	0.9	3.0	3.0	2.0	1.8

Licensee Comments: none

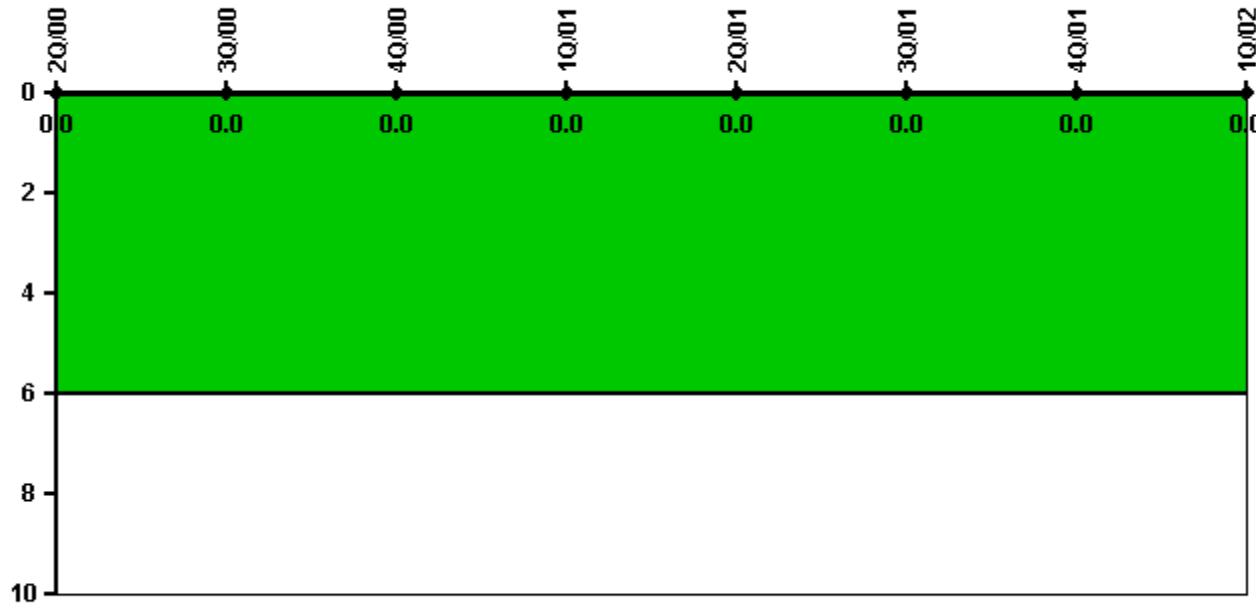
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

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

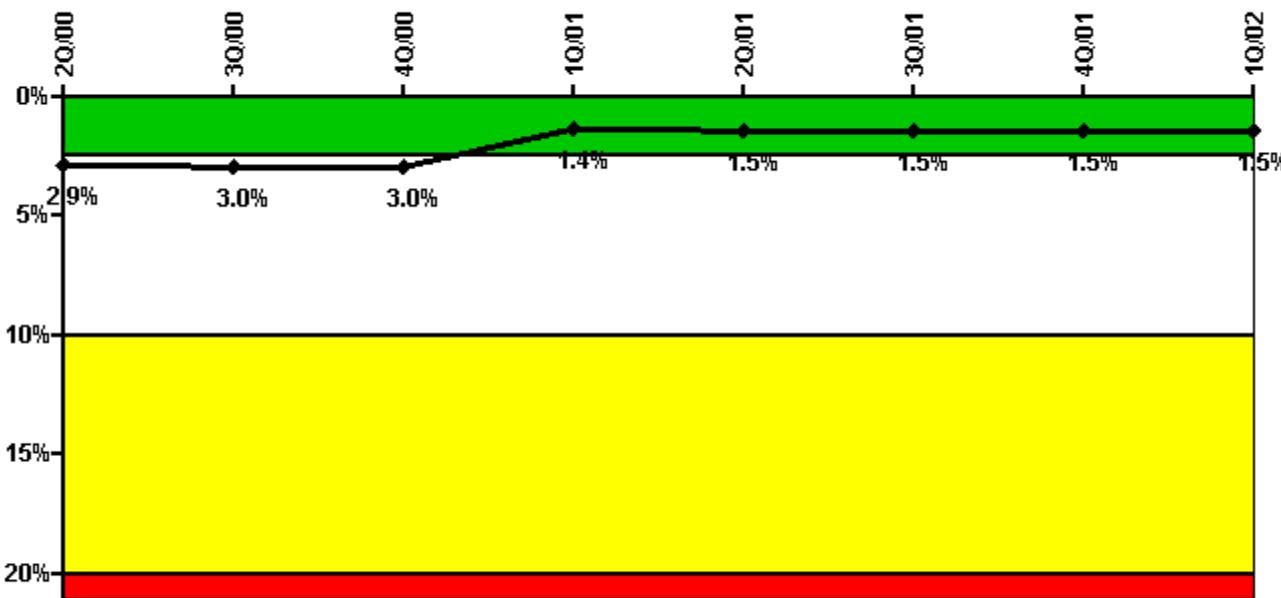
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



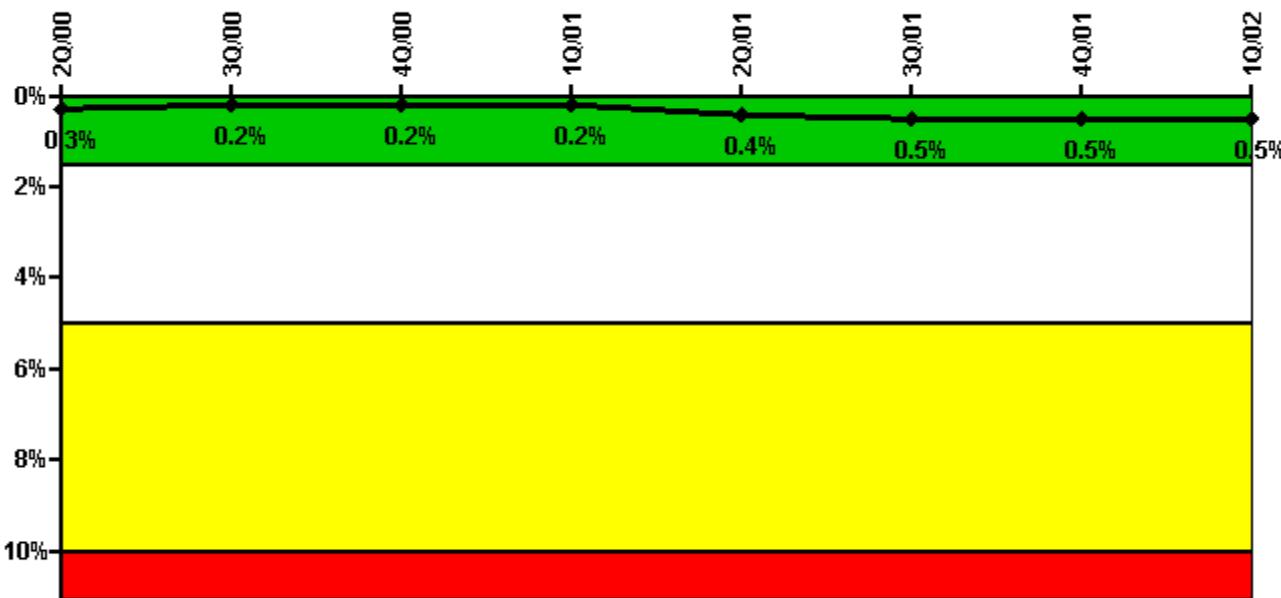
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	9.60	132.50	192.90	1.40	0	19.60	5.70	0.50
Unplanned unavailable hours	0	0.60	0	0.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	1038.40	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	3.40	8.00	19.00	1.10	20.10	0	11.10	1.60
Unplanned unavailable hours	0	0	0	0	2.70	0	0	0
Fault exposure hours	0	0	0	0	44.30	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	3.10	0	0.70	0.70	0	0.20	0.80	13.70
Unplanned unavailable hours	7.80	13.50	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>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>

Licensee Comments: none

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



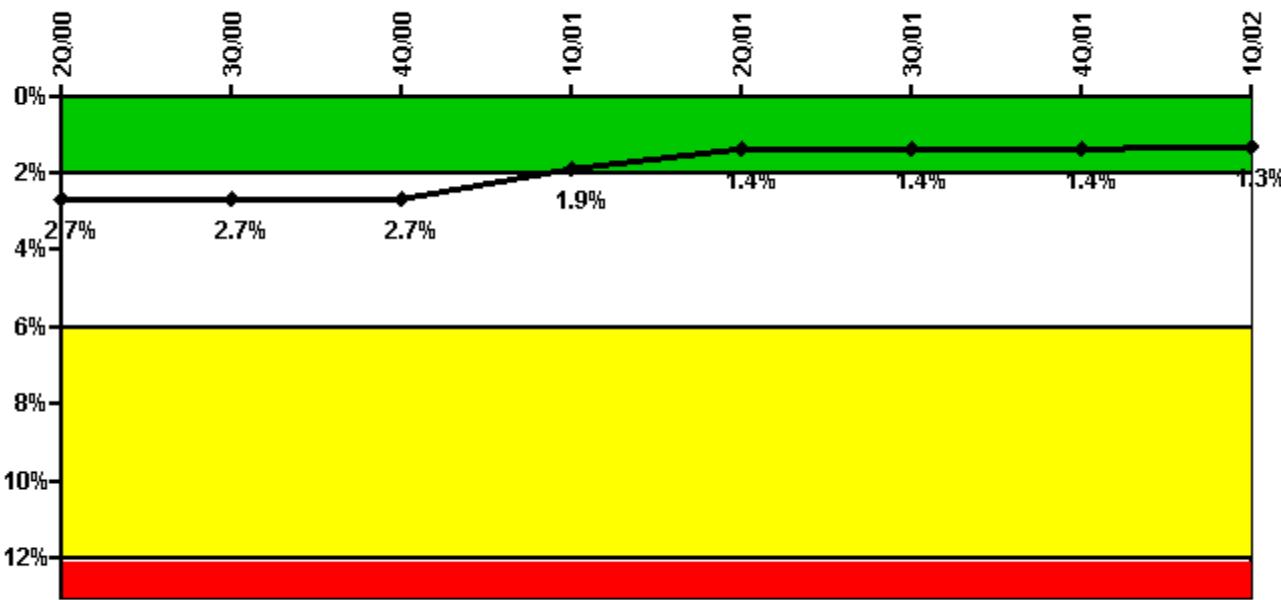
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	3.20	6.40	6.00	2.90	12.40	1.10	3.50	4.60
Unplanned unavailable hours	0	0.60	0	0	0.50	8.50	13.90	0
Fault exposure hours	0	0	0	0	0	14.90	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	6.00	6.40	2.20	3.30	20.80	3.60	4.00	4.60
Unplanned unavailable hours	0	0	0	0	2.70	0	0	0
Fault exposure hours	0	0	0	0	44.30	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</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 (AFW)



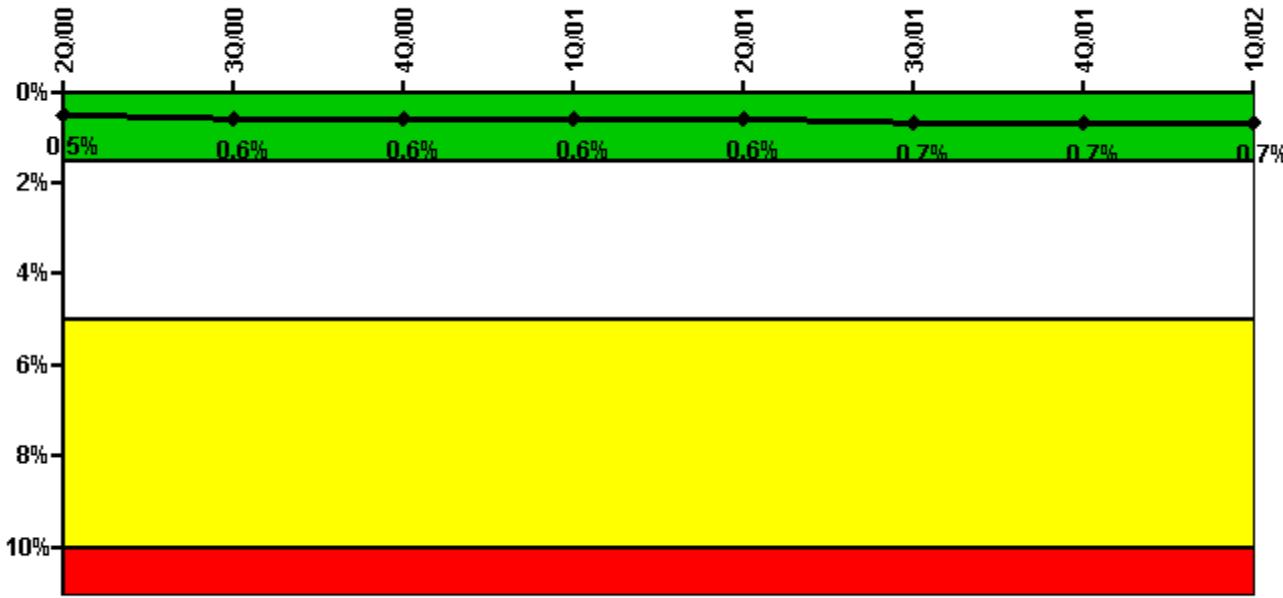
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	6.50	7.10	4.30	2.90	12.40	1.10	3.90	5.00
Unplanned unavailable hours	0	0.60	0	0	0	8.50	0	0
Fault exposure hours	0	0	0	0	0	14.90	0	0
Effective Reset hours	0	0	0	572.70	0	0	0	0
Required hours	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	12.10	7.00	21.60	3.60	20.80	3.50	4.70	4.90
Unplanned unavailable hours	0	0	0	0	2.70	0	0	0
Fault exposure hours	0	0	0	0	44.30	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	3.20	4.30	0.20	0.80	0.50	0.50	0.60	0.50
Unplanned unavailable hours	56.30	0	0	0	0	0	0	0
Fault exposure hours	515.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	360.60	0	0	0
Required hours	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

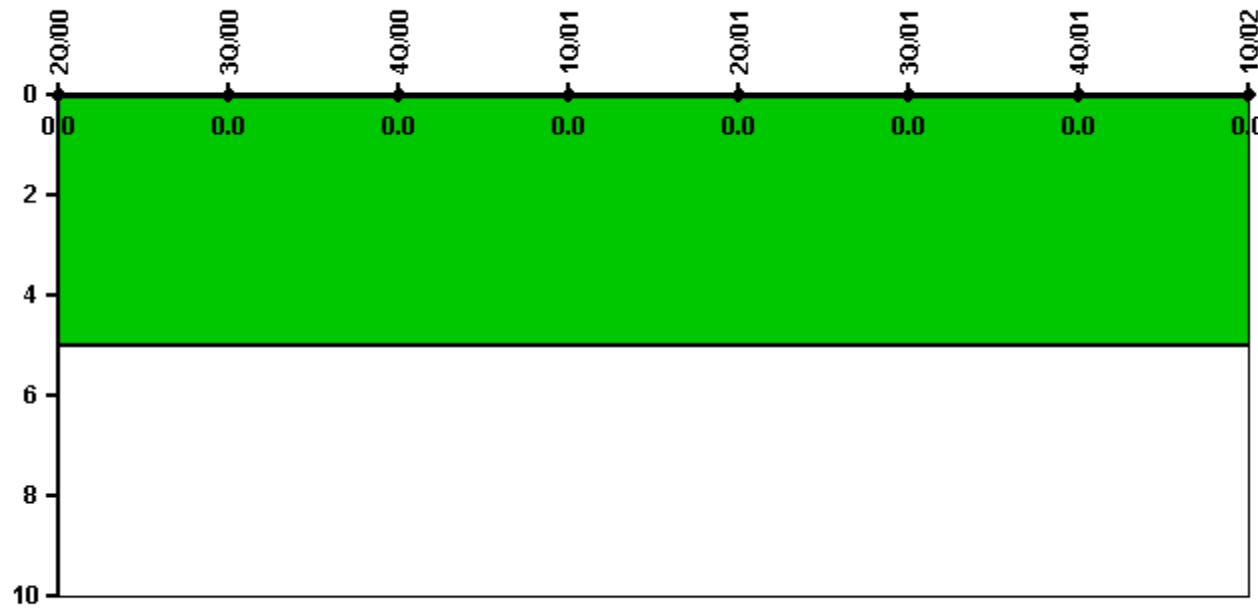


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### 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	3.80	20.70	5.80	21.70	17.60	8.10	16.70	5.30
Unplanned unavailable hours	3.60	0.60	0	0	0.60	8.50	13.90	0
Fault exposure hours	0	0	0	0	0	14.90	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	7.60	21.70	11.40	3.30	25.60	4.10	6.80	5.40
Unplanned unavailable hours	0	0	0	0	2.70	0	0	0
Fault exposure hours	0	0	0	0	44.30	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>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

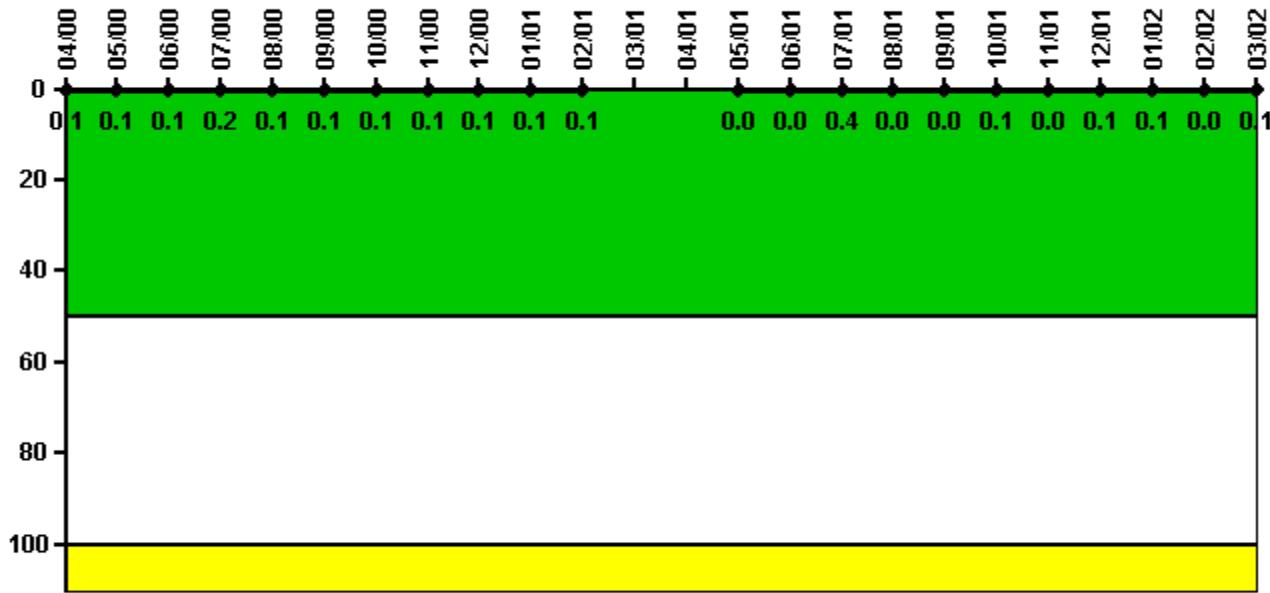
Thresholds: White > 5.0

**Notes**

Safety System Functional Failures (PWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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

## **Reactor Coolant System Activity**



**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

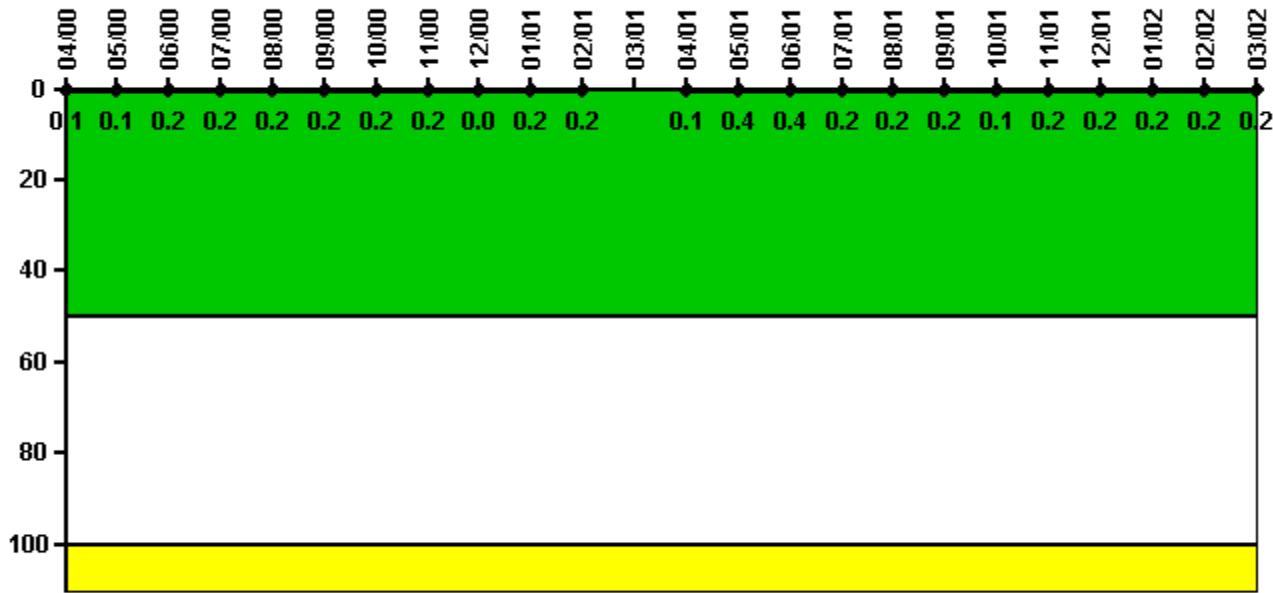
Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237	0.000228	0.000241	0.000260	0.000241	0.000240	N/A
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	N/A
Indicator value	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A

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	N/A	0.000132	0.000164	0.001814	0.000207	0.000200	0.000439	0.000222	0.000251	0.000251	0.000245	0.000260
Technical specification limit	N/A	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	N/A	0	0	0.4	0	0	0.1	0	0.1	0.1	0	0.1

Licensee Comments: none

## Reactor Coolant System Leakage



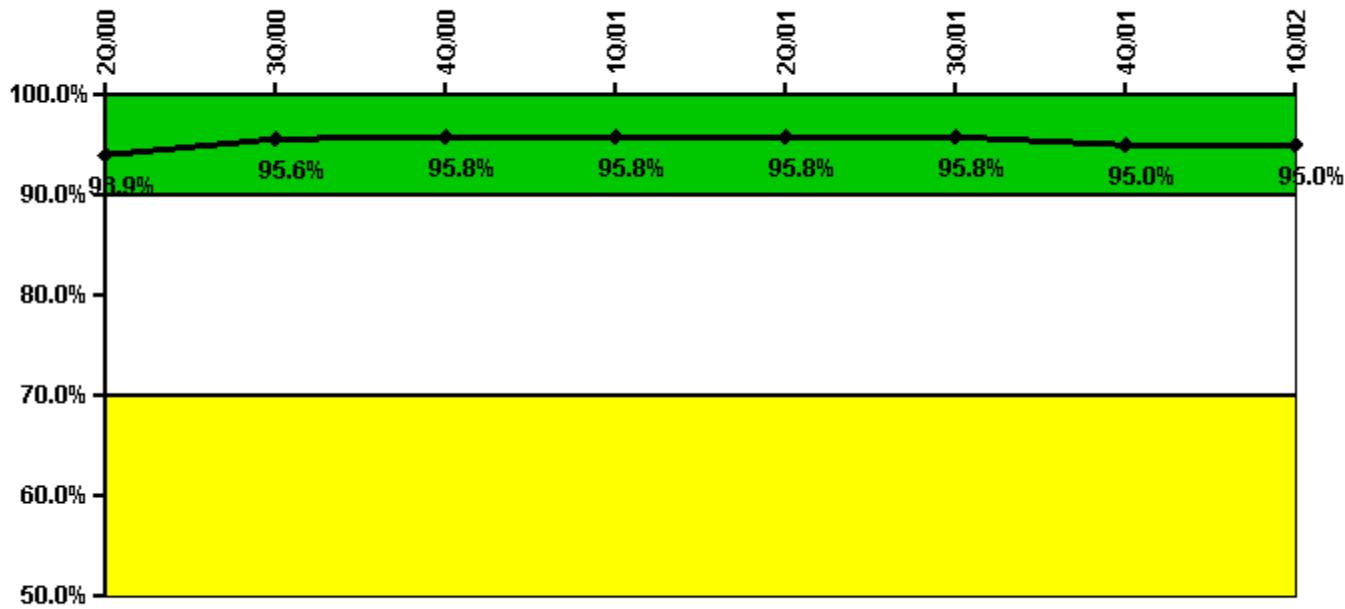
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.013	0.010	0.018	0.020	0.018	0.018	0.020	0.018	0	0.018	0.023	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0.2	0.2	N/A
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	0.006	0.036	0.037	0.023	0.018	0.024	0.013	0.017	0.024	0.024	0.020	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

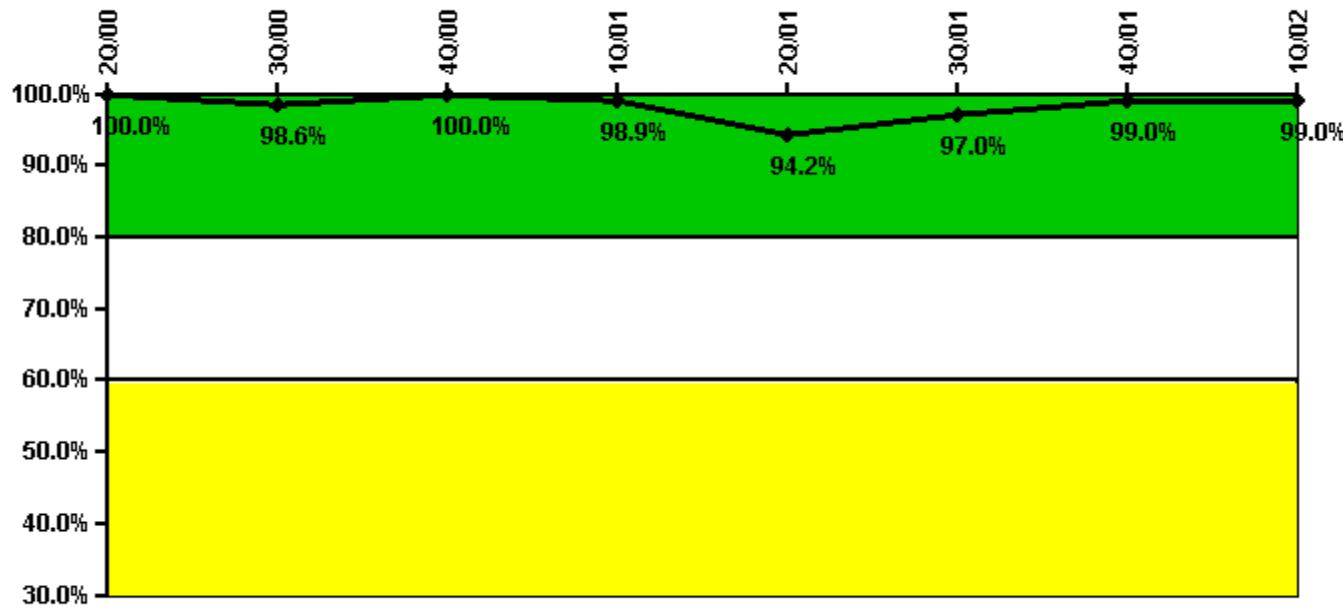
#### Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	15.0	65.0	56.0	9.0	37.0	61.0	38.0	6.0
Total opportunities	18.0	66.0	58.0	10.0	38.0	64.0	42.0	6.0
Indicator value	93.9%	95.6%	95.8%	95.8%	95.8%	95.8%	95.0%	95.0%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

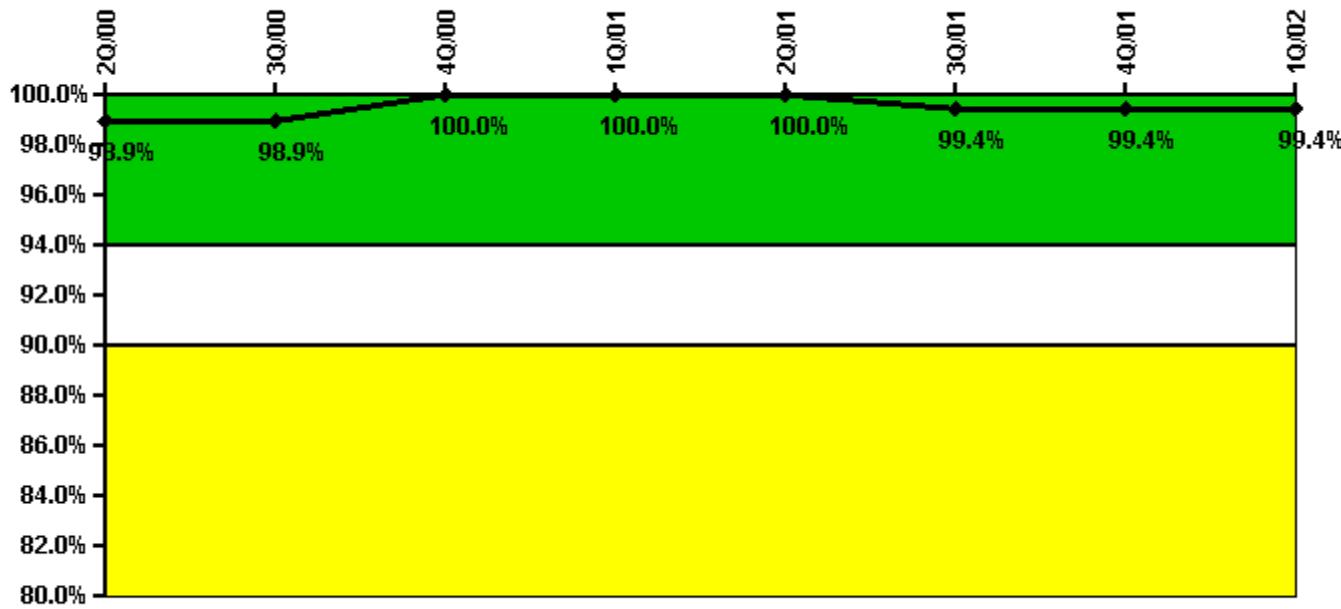
#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	121.0	141.0	103.0	94.0	97.0	97.0	99.0	102.0
Total Key personnel	121.0	143.0	103.0	95.0	103.0	100.0	100.0	103.0
Indicator value	<b>100.0%</b>	<b>98.6%</b>	<b>100.0%</b>	<b>98.9%</b>	<b>94.2%</b>	<b>97.0%</b>	<b>99.0%</b>	<b>99.0%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

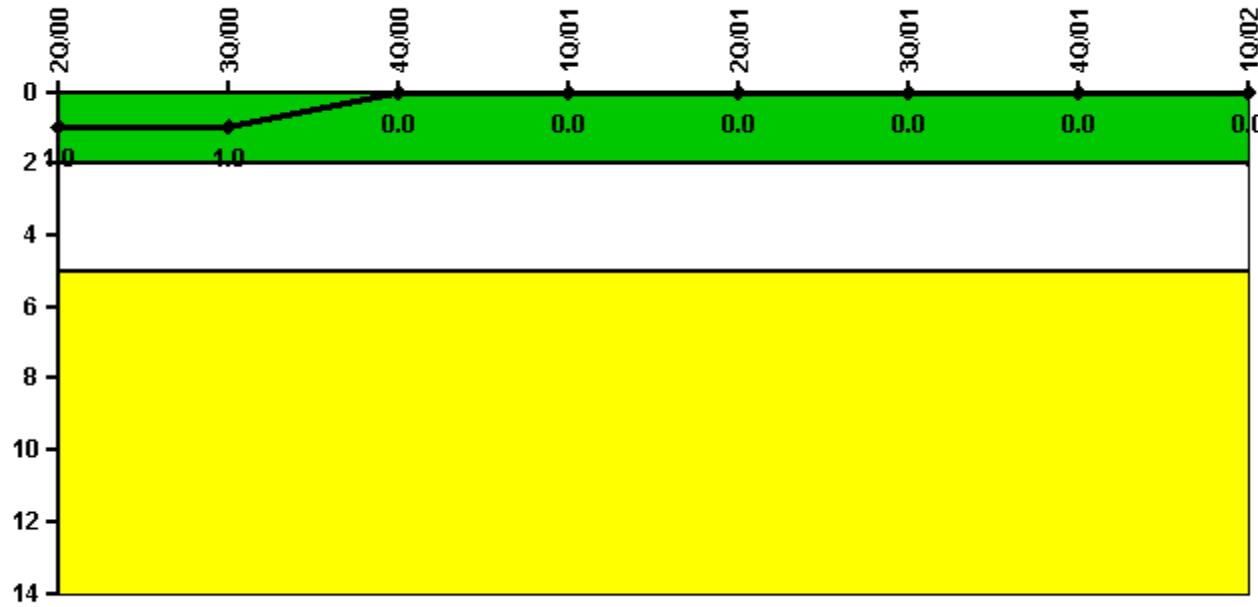
### Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	48	42	45	42	45	41	45	42
Total sirens-tests	48	42	45	42	45	42	45	42
Indicator value	98.9%	98.9%	100.0%	100.0%	100.0%	99.4%	99.4%	99.4%

Licensee Comments: none

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### Occupational Exposure Control Effectiveness



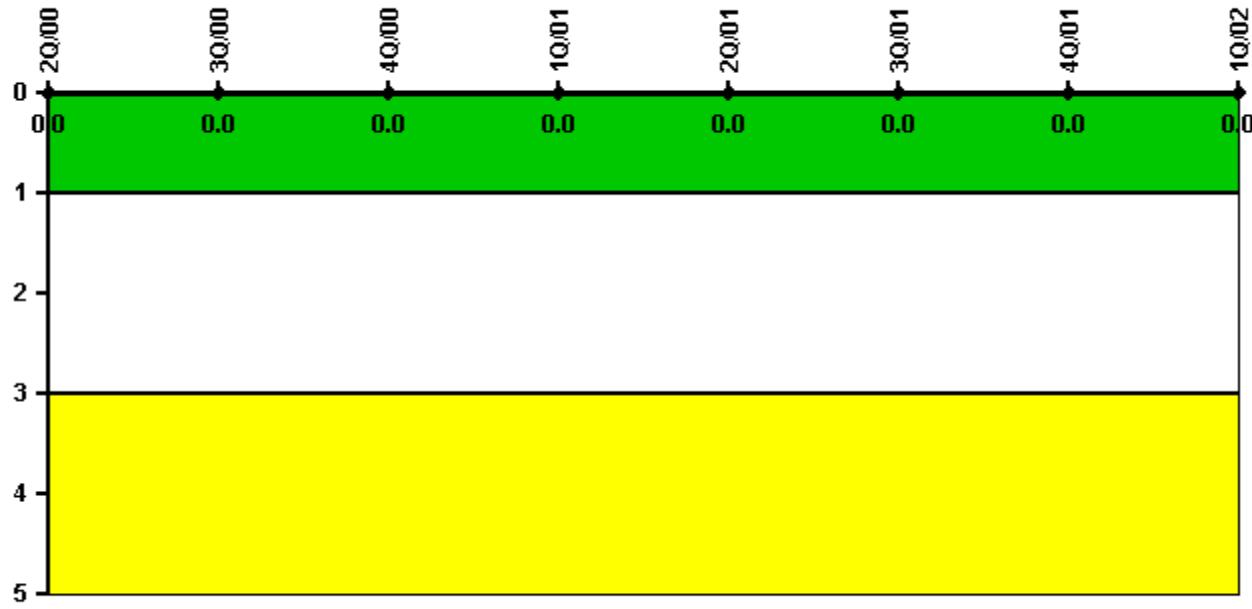
Thresholds: White > 2.0 Yellow > 5.0

#### 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	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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**RETS/ODCM Radiological Effluent**

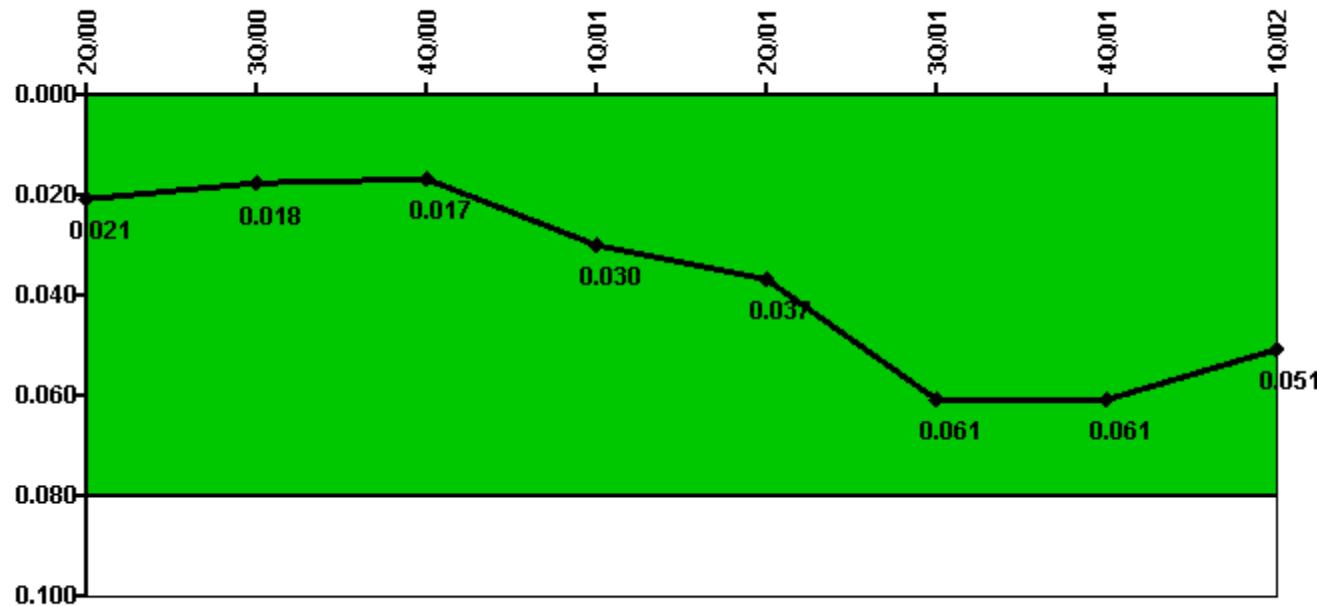
Thresholds: White > 1.0 Yellow > 3.0

**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	231.40	119.10	88.37	172.90	70.80	71.96	44.90	82.60
CCTV compensatory hours	0	20.7	9.3	136.8	216.4	475.5	20.5	18.9
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.030</b>	<b>0.037</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>

### Licensee Comments:

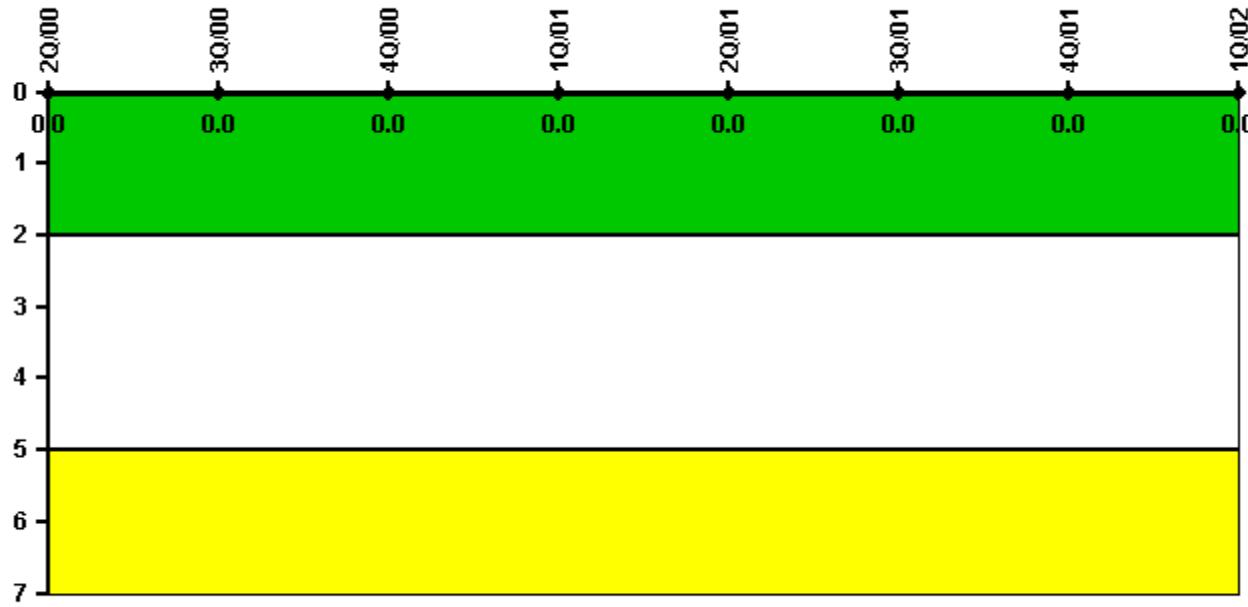
1Q/02: CCTV historical normalization factor corrected from 1.2 to 1.0. Comp hours unchanged. Color unaffected.

4Q/01: CCTV normalization factor corrected Q12002 from 1.2 to 1.0. Comp hours unchanged. Color unaffected.

3Q/01: CCTV normalization factor corrected Q12002 from 1.2 to 1.0. Comp hours unchanged. Color unaffected.

2Q/01: CCTV normalization factor corrected Q12002 from 1.2 to 1.0. Comp hours unchanged. Color unaffected.

1Q/01: CCTV normalization factor corrected Q12002 from 1.2 to 1.0. Comp hours unchanged. Color unaffected.

**Personnel Screening Program**

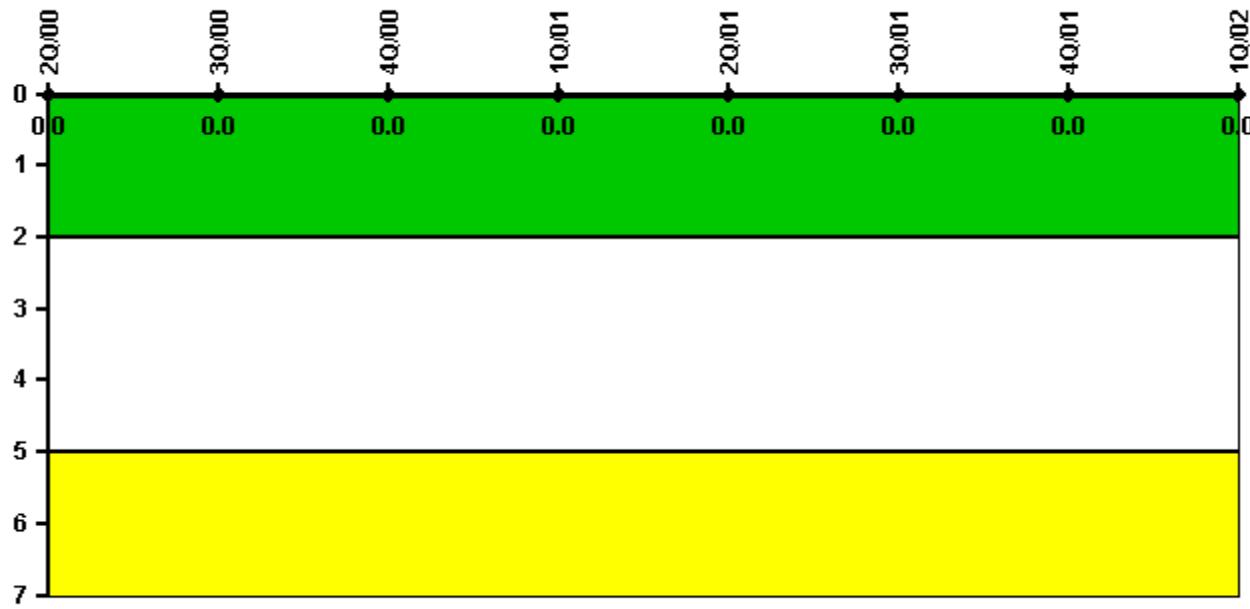
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

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

Licensee Comments: none

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**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](#)

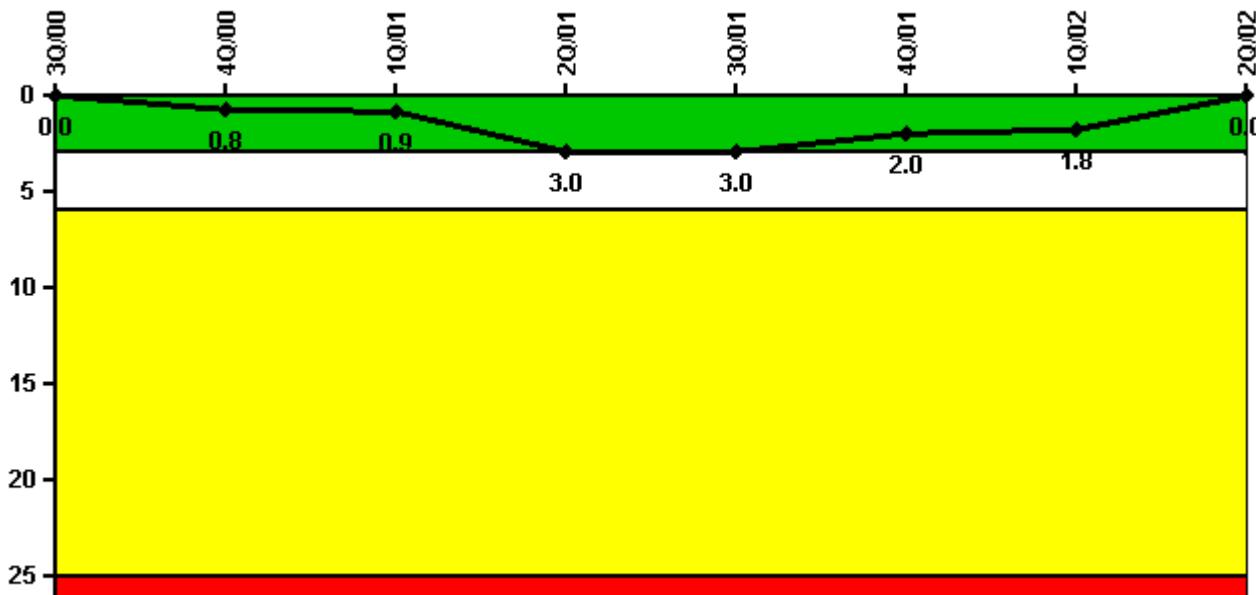
Last Modified: May 1, 2002

## Farley 2

### 2Q/2002 Performance Indicators

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**

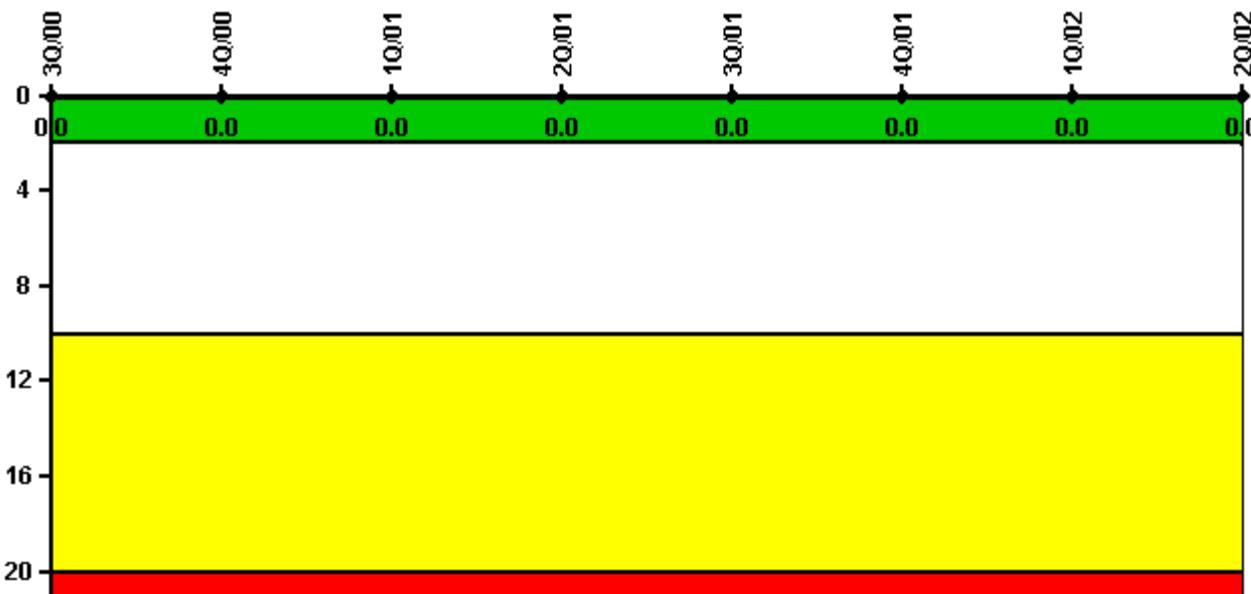


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0	1.0	0	2.0	0	0	0	0
Critical hours	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0
Indicator value	0	0.8	0.9	3.0	3.0	2.0	1.8	0

Licensee Comments: none

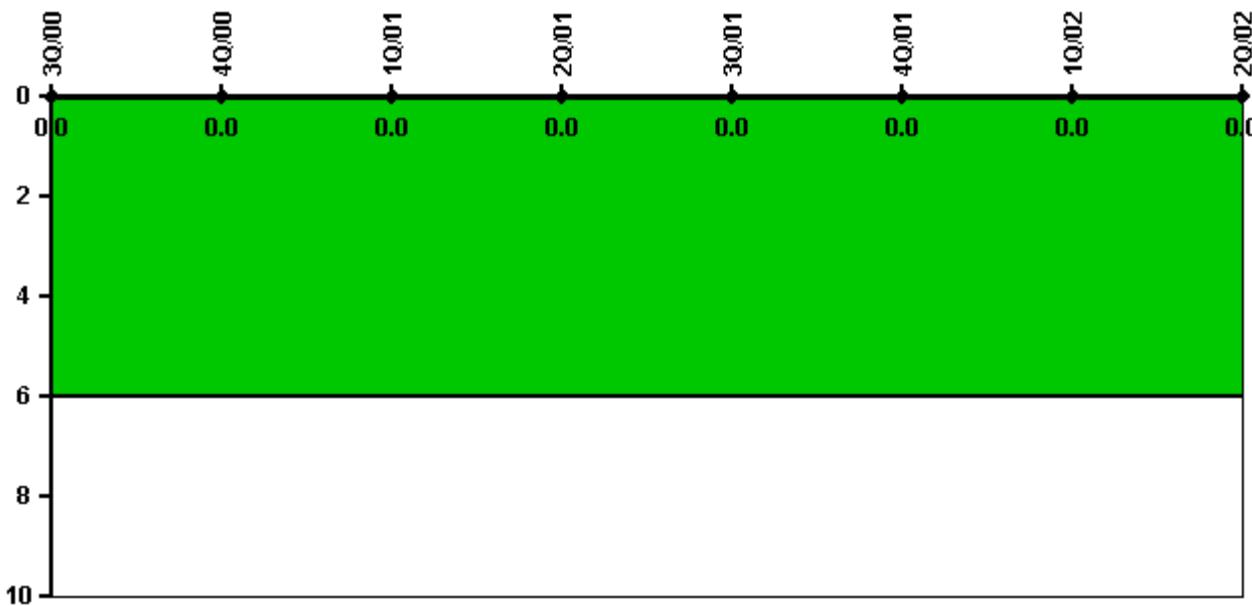
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
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**

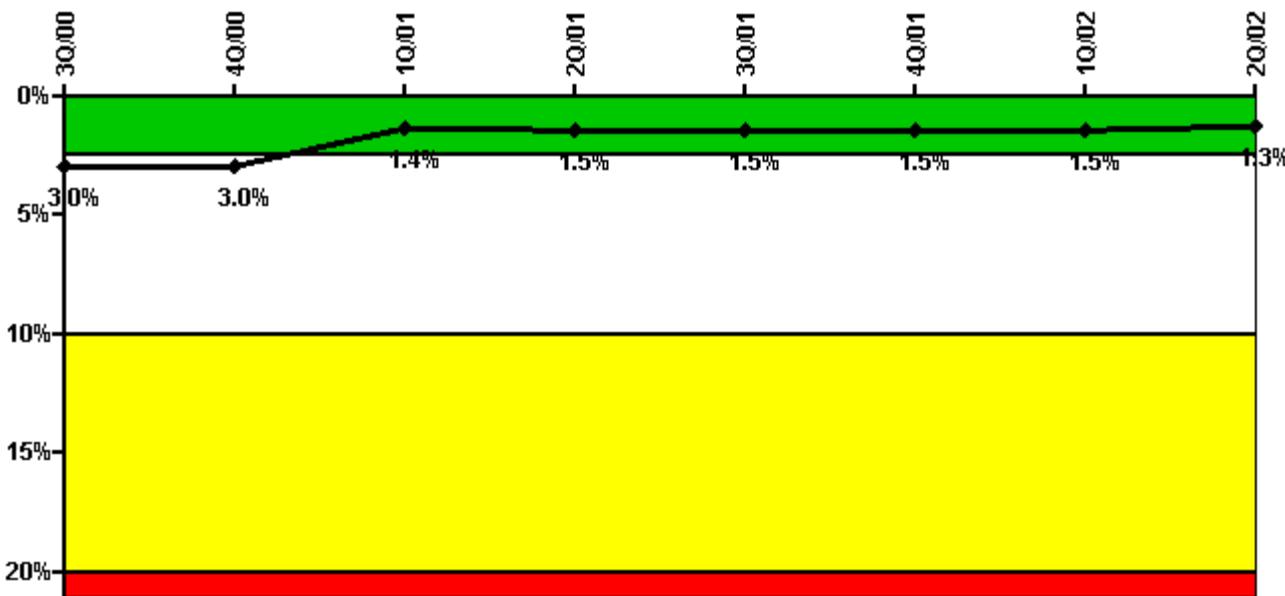
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



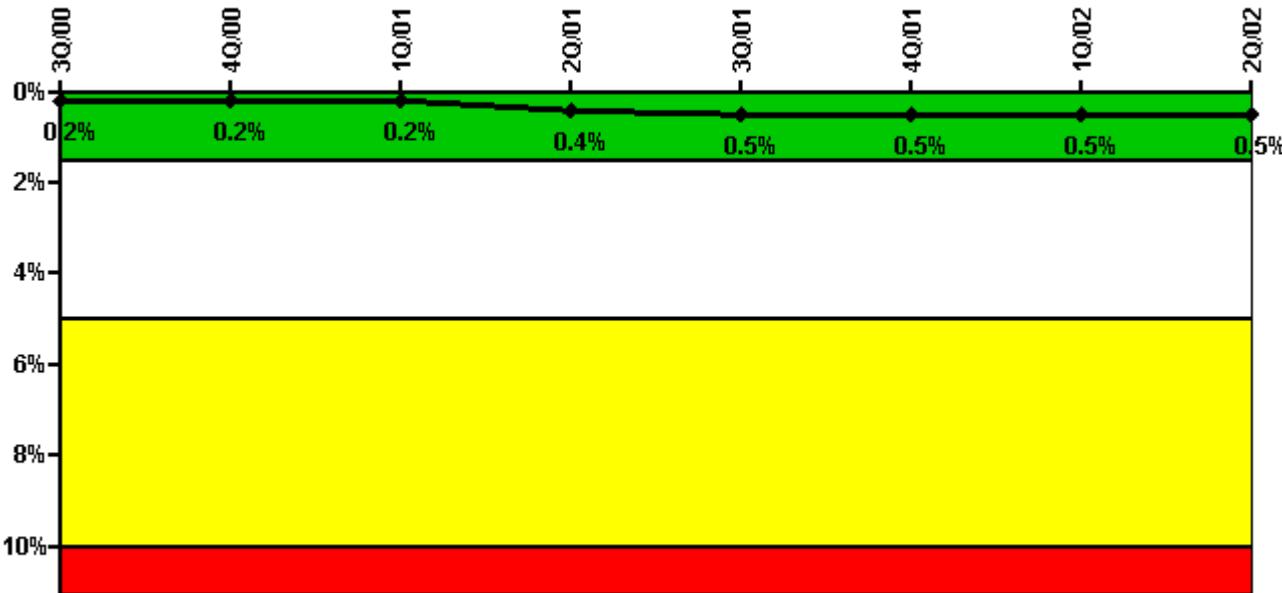
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	132.50	192.90	1.40	0	19.60	5.70	0.50	14.50
Unplanned unavailable hours	0.60	0	0.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	1038.40	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	8.00	19.00	1.10	20.10	0	11.10	1.60	20.60
Unplanned unavailable hours	0	0	0	2.70	0	0	0	0
Fault exposure hours	0	0	0	44.30	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	0.70	0.70	0	0.20	0.80	13.70	13.20
Unplanned unavailable hours	13.50	0	0	0	0	0	0	5.10
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>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>

Licensee Comments: none

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



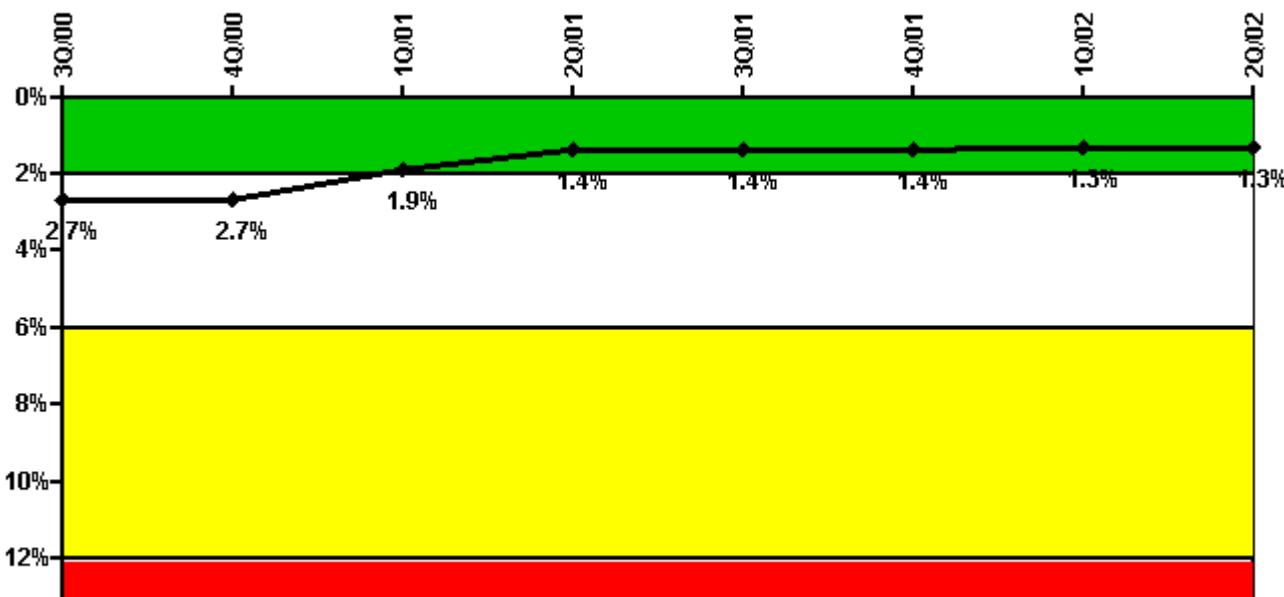
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	6.40	6.00	2.90	12.40	1.10	3.50	4.60	2.40
Unplanned unavailable hours	0.60	0	0	0.50	8.50	13.90	0	5.00
Fault exposure hours	0	0	0	0	14.90	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	6.40	2.20	3.30	20.80	3.60	4.00	4.60	4.50
Unplanned unavailable hours	0	0	0	2.70	0	0	0	0
Fault exposure hours	0	0	0	44.30	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</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 (AFW)**



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

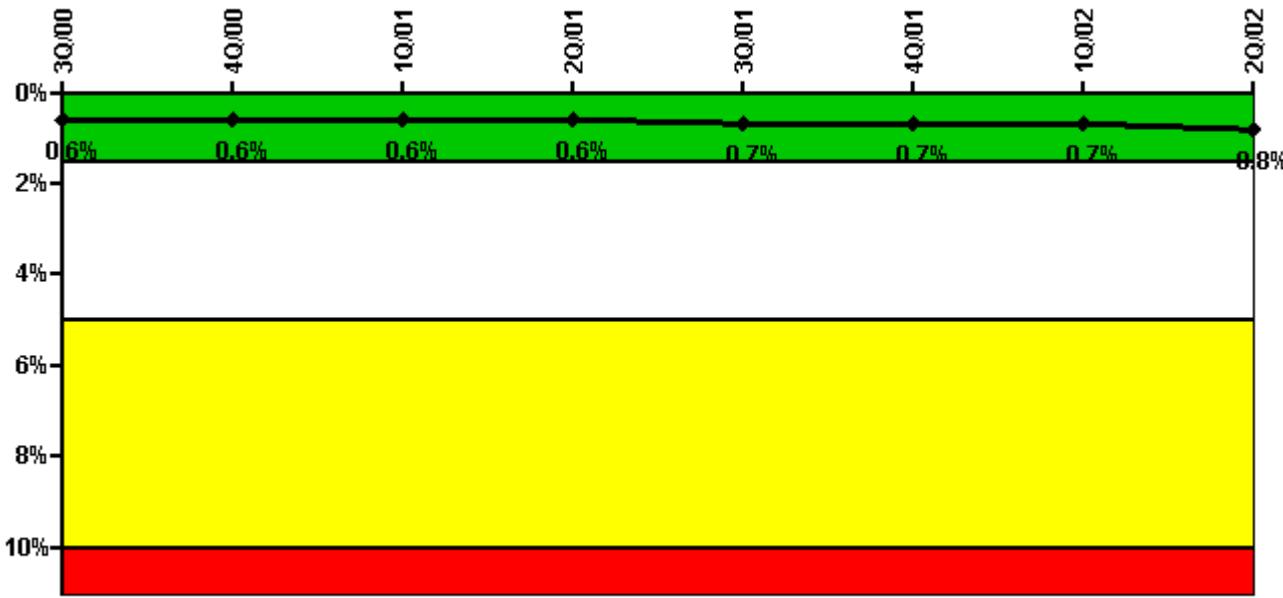
### **Notes**

<b>Safety System Unavailability, Heat Removal System (AFW)</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	7.10	4.30	2.90	12.40	1.10	3.90	5.00	2.40
Unplanned unavailable hours	0.60	0	0	0	8.50	0	0	5.00
Fault exposure hours	0	0	0	0	14.90	0	0	0
Effective Reset hours	0	0	572.70	0	0	0	0	0
Required hours	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	7.00	21.60	3.60	20.80	3.50	4.70	4.90	5.10
Unplanned unavailable hours	0	0	0	2.70	0	0	0	0
Fault exposure hours	0	0	0	44.30	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	4.30	0.20	0.80	0.50	0.50	0.60	0.50	5.40
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	360.60	0	0	0	0
Required hours	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>

Licensee Comments: none

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### Safety System Unavailability, Residual Heat Removal System



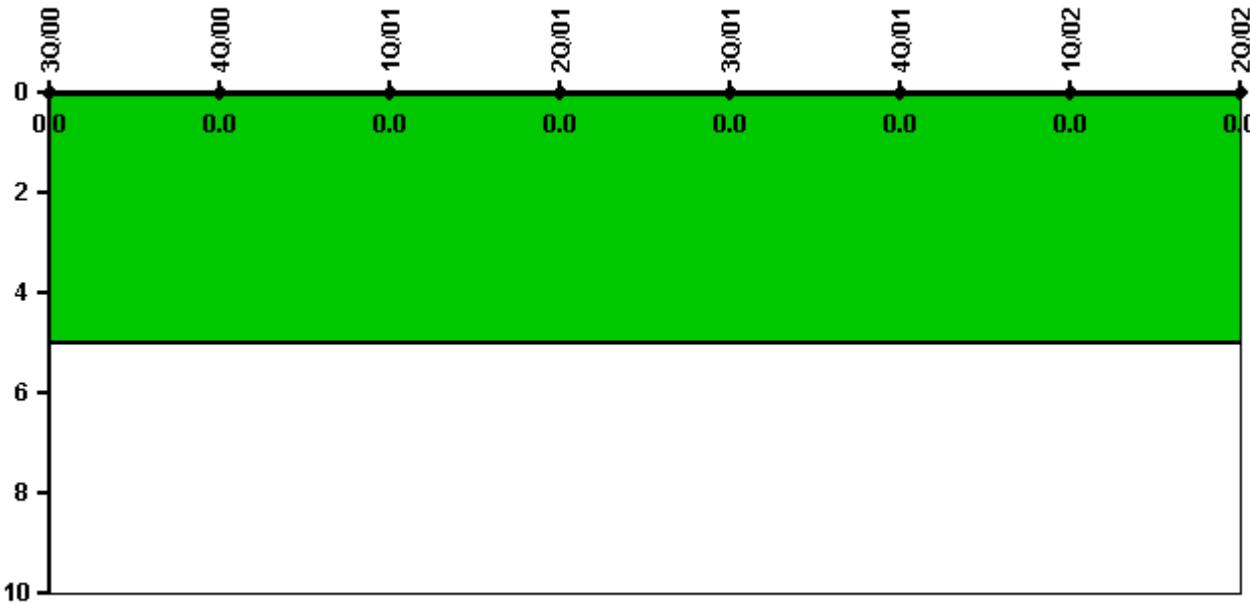
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	20.70	5.80	21.70	17.60	8.10	16.70	5.30	28.30
Unplanned unavailable hours	0.60	0	0	0.60	8.50	13.90	0	5.00
Fault exposure hours	0	0	0	0	14.90	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	21.70	11.40	3.30	25.60	4.10	6.80	5.40	17.30
Unplanned unavailable hours	0	0	0	2.70	0	0	0	0
Fault exposure hours	0	0	0	44.30	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>0.6%</b>	<b>0.6%</b>	<b>0.6%</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 (PWR)



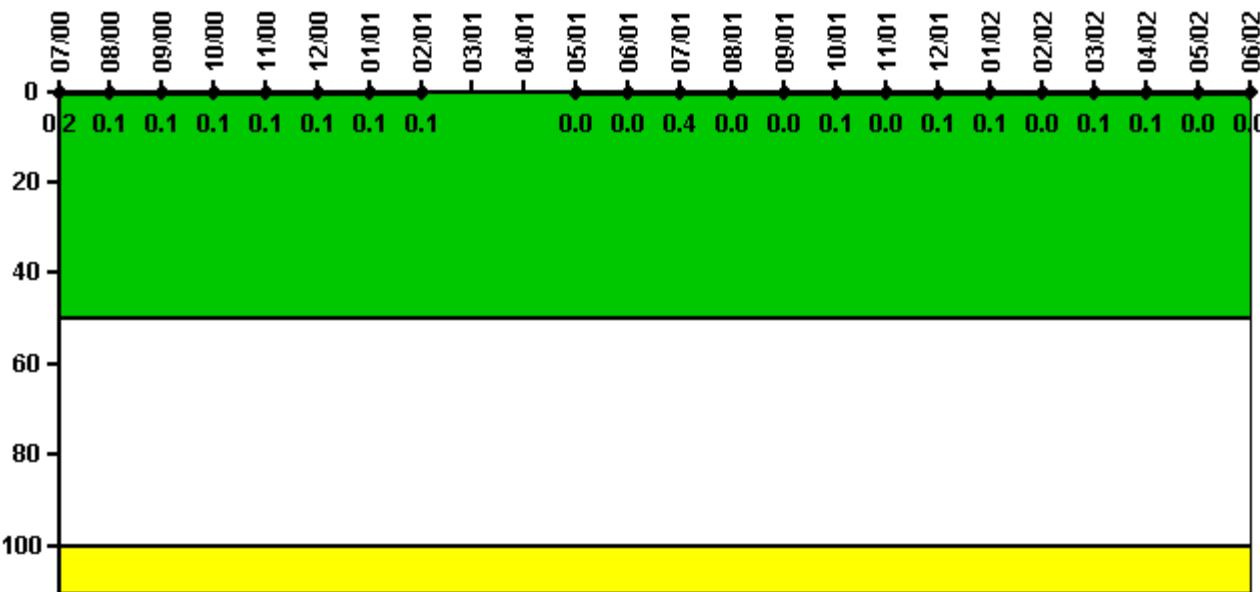
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
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

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

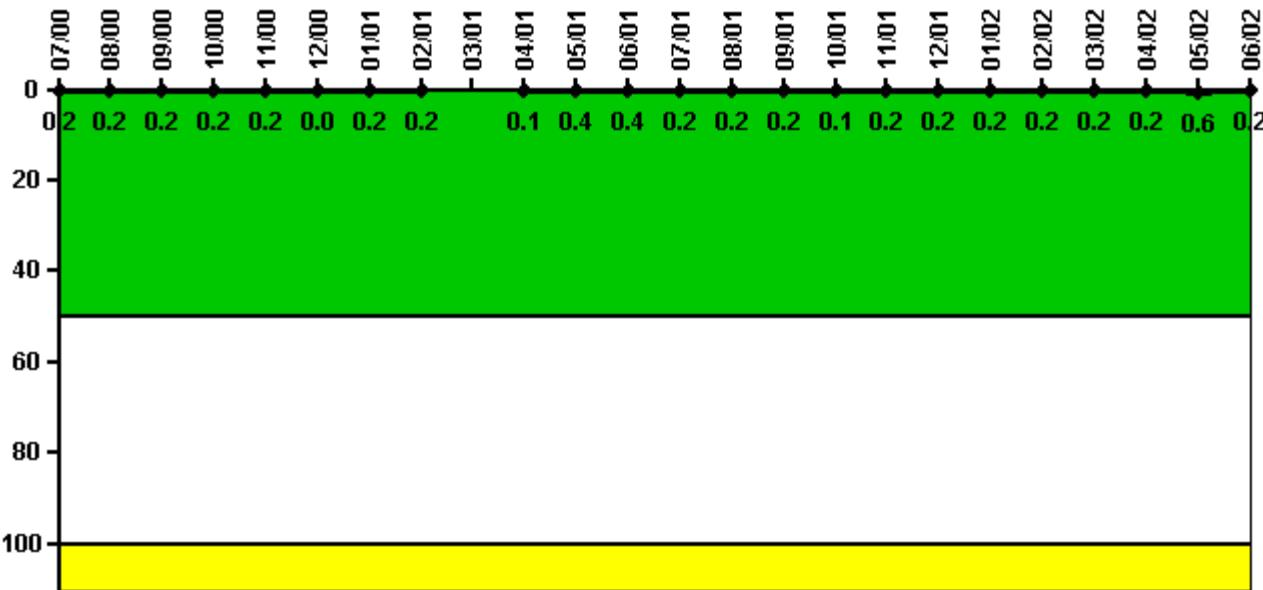
Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000477	0.000206	0.000237	0.000228	0.000241	0.000260	0.000241	0.000240	N/A	N/A	0.000132	0.000164
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	N/A	N/A	0.5	0.5
Indicator value	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	N/A	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	0.001814	0.000207	0.000200	0.000439	0.000222	0.000251	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.4	0	0	0.1	0	0.1	0.1	0	0.1	0.1	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

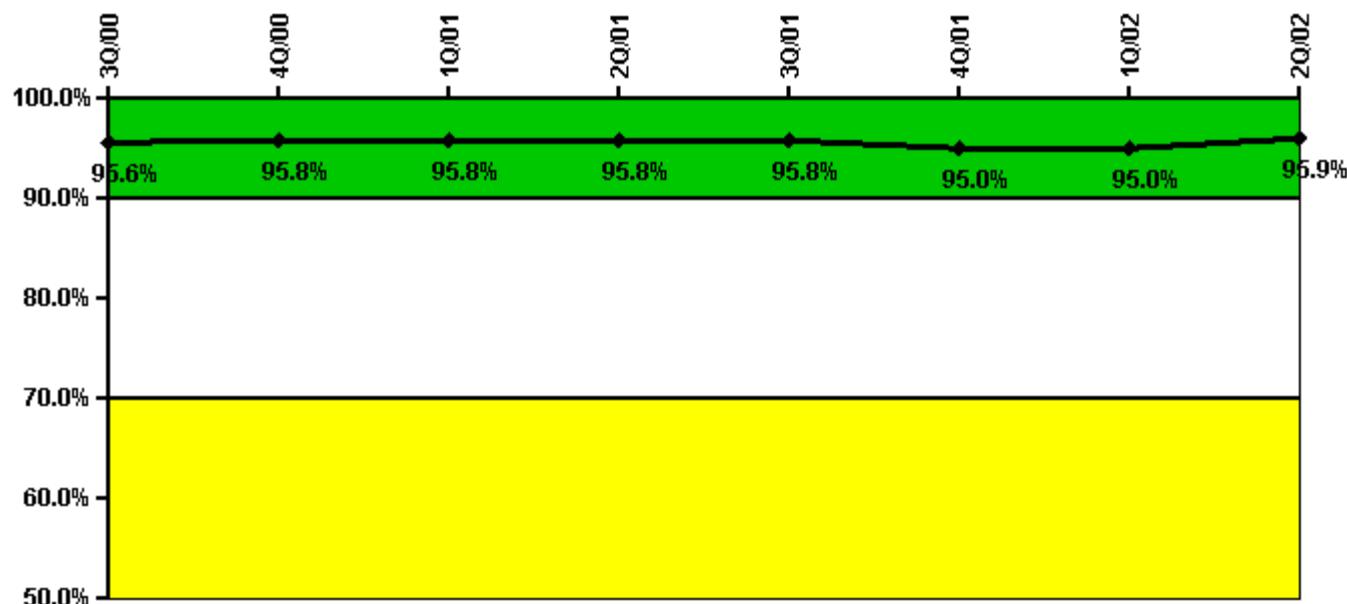


Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.020	0.018	0.018	0.020	0.018	0	0.018	0.023	N/A	0.006	0.036	0.037
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.2	0	0.2	0.2	N/A	0.1	0.4	0.4
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	0.023	0.018	0.024	0.013	0.017	0.024	0.024	0.020	0.015	0.018	0.058	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2

Licensee Comments: none

**Drill/Exercise Performance**

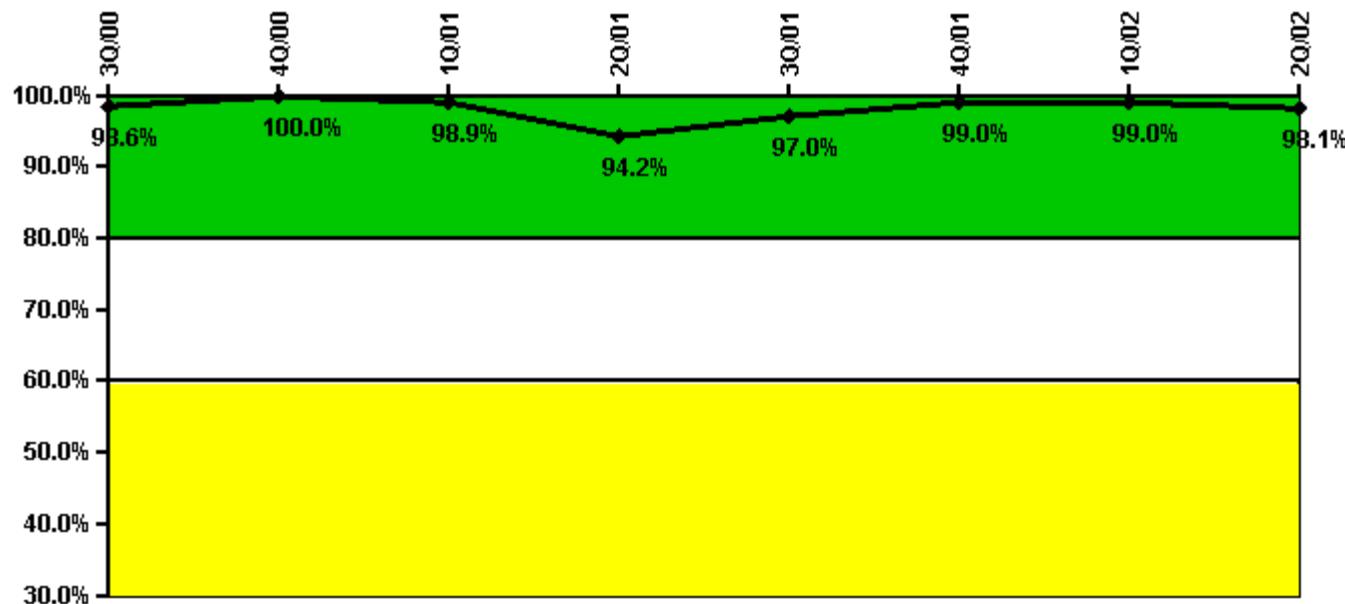
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	65.0	56.0	9.0	37.0	61.0	38.0	6.0	79.0
Total opportunities	66.0	58.0	10.0	38.0	64.0	42.0	6.0	82.0
Indicator value	95.6%	95.8%	95.8%	95.8%	95.8%	95.0%	95.0%	95.9%

Licensee Comments: none

### **ERO Drill Participation**



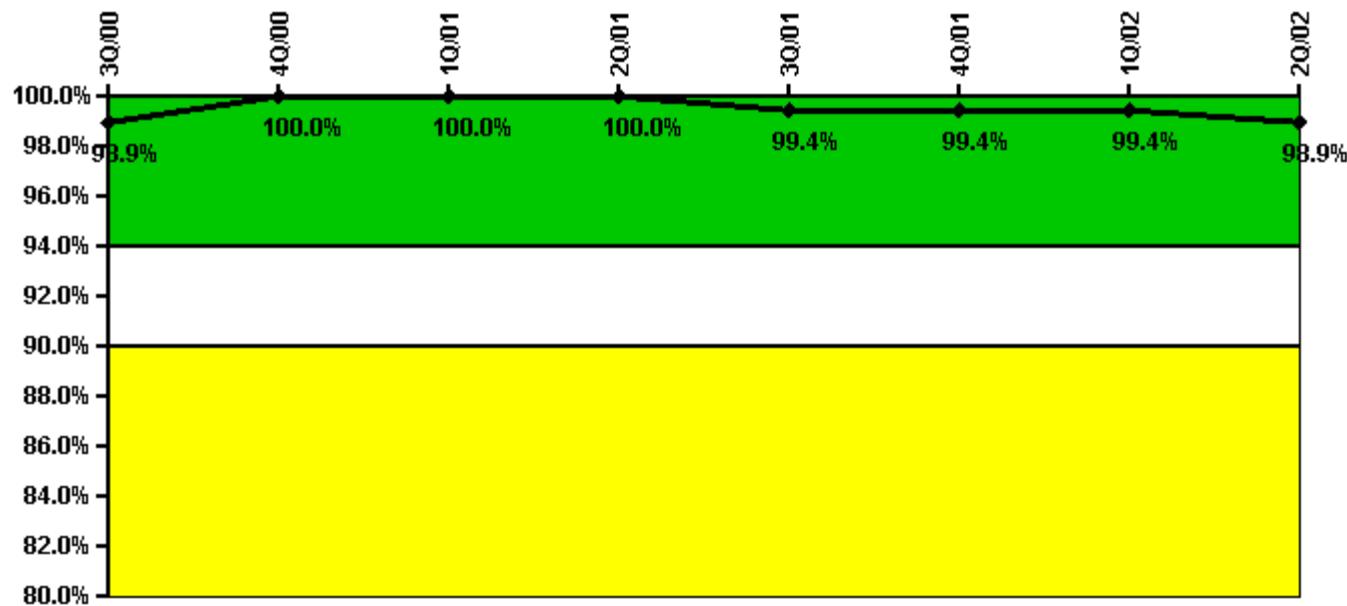
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</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>
Participating Key personnel	141.0	103.0	94.0	97.0	97.0	99.0	102.0	106.0
Total Key personnel	143.0	103.0	95.0	103.0	100.0	100.0	103.0	108.0
<b>Indicator value</b>	<b>98.6%</b>	<b>100.0%</b>	<b>98.9%</b>	<b>94.2%</b>	<b>97.0%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.1%</b>

Licensee Comments: none

## Alert & Notification System



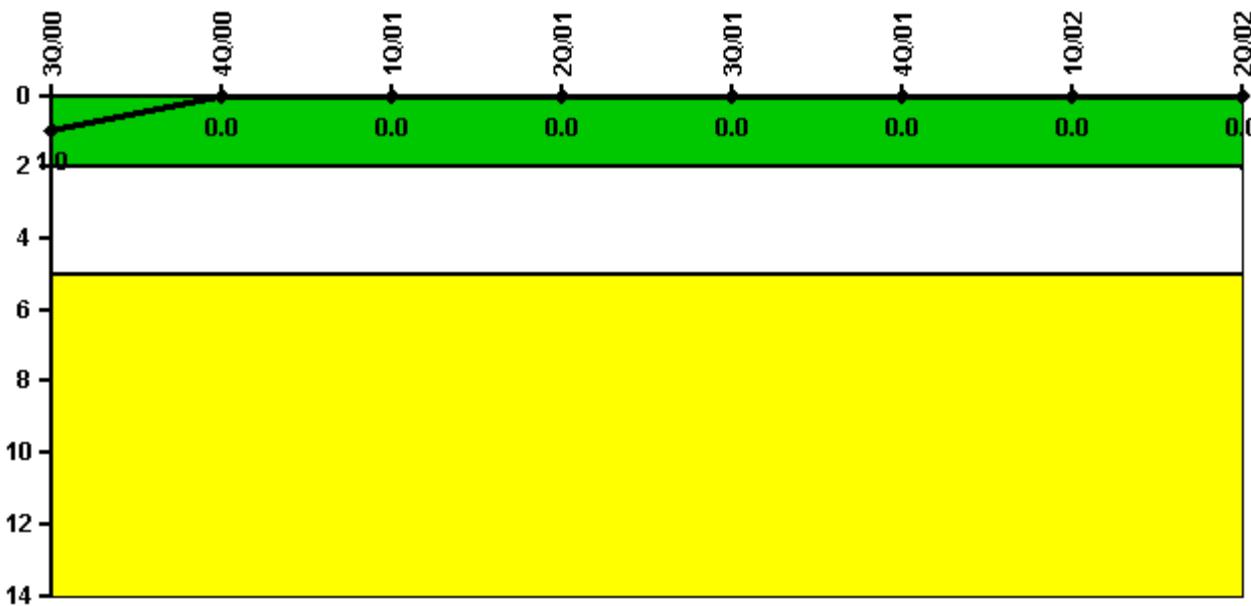
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	42	45	42	45	41	45	42	44
Total sirens-tests	42	45	42	45	42	45	42	45
Indicator value	98.9%	100.0%	100.0%	100.0%	99.4%	99.4%	99.4%	98.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



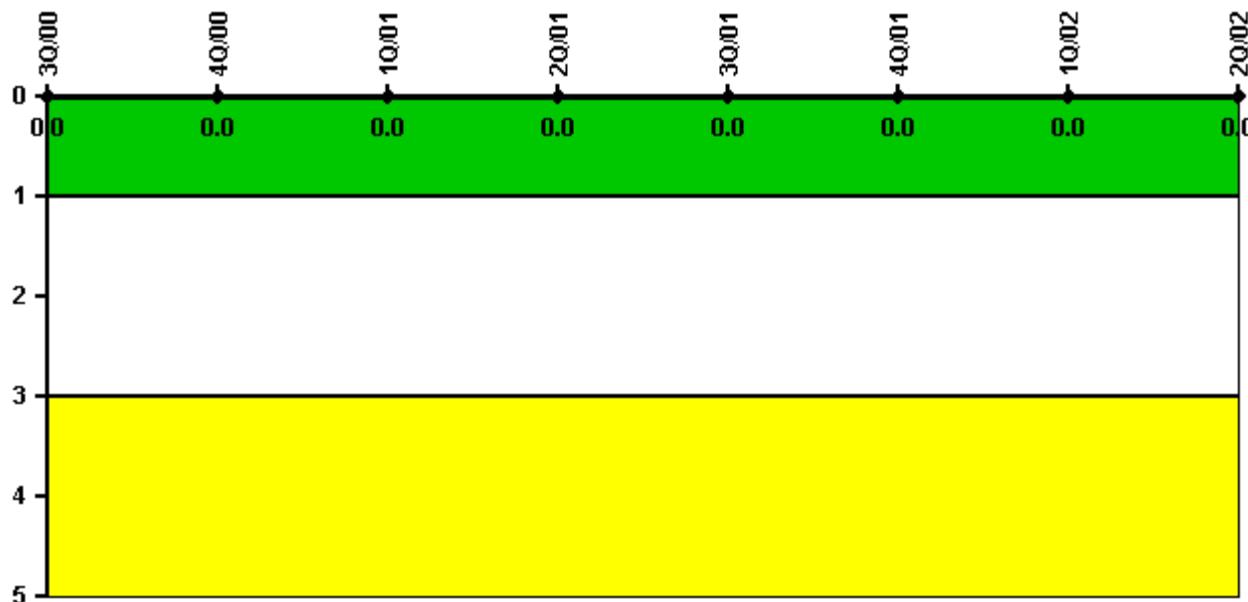
Thresholds: White > 2.0 Yellow > 5.0

#### 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	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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**RETS/ODCM Radiological Effluent**

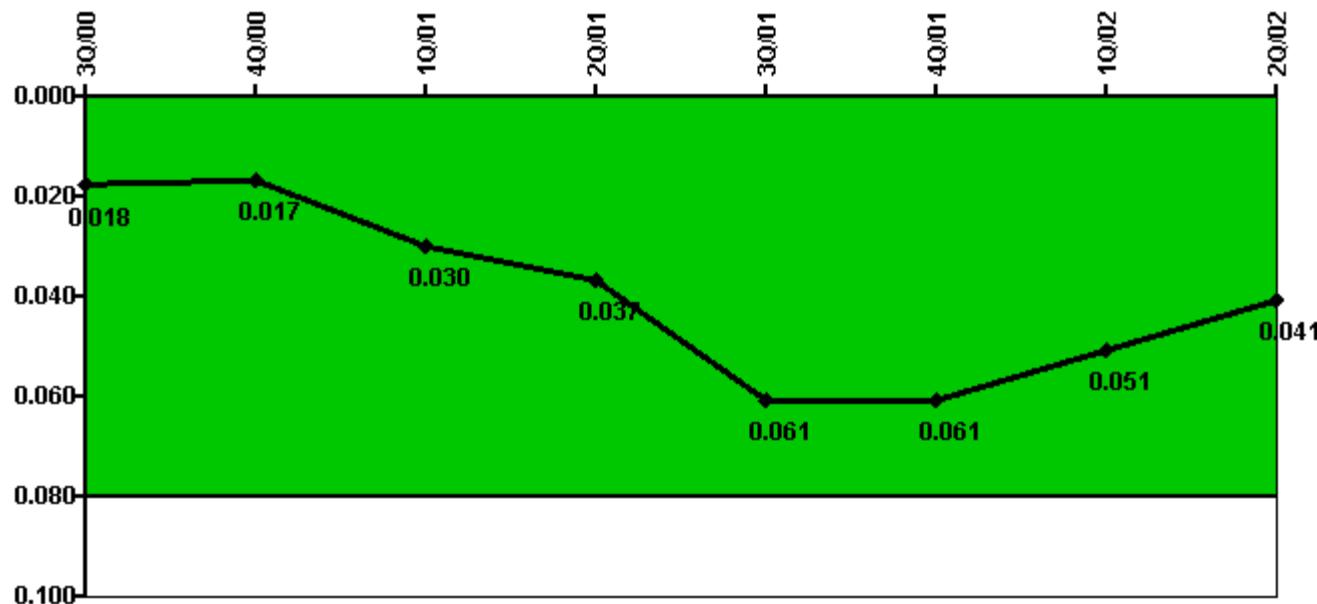
Thresholds: White > 1.0 Yellow > 3.0

**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

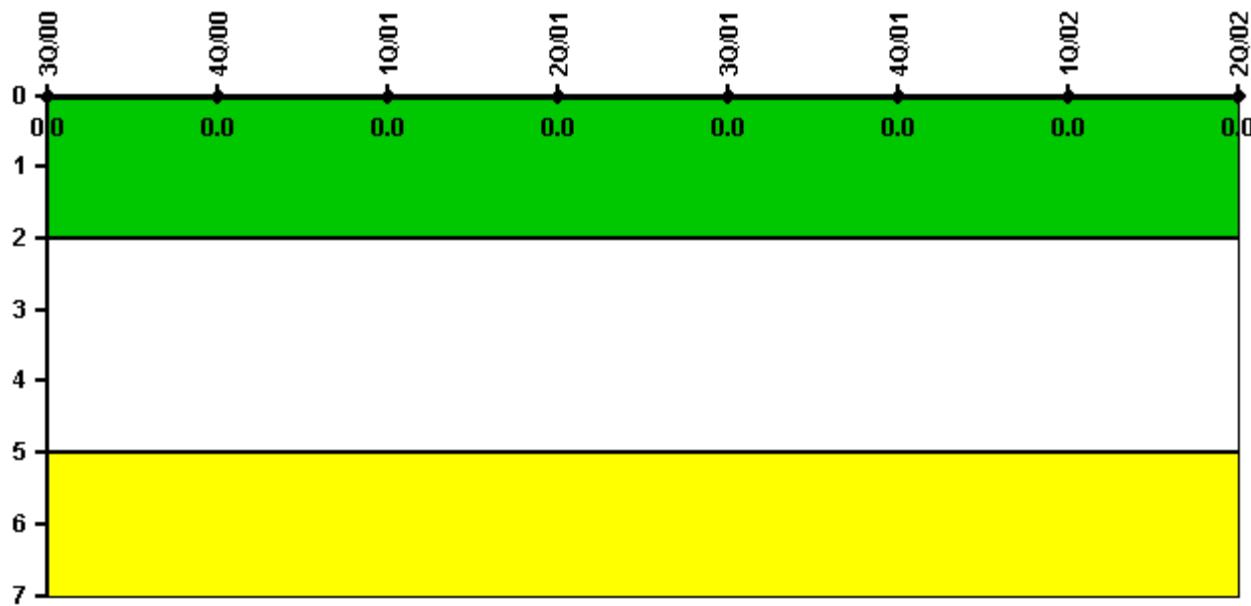


Thresholds: White > 0.080

#### 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	119.10	88.37	172.90	70.80	71.96	44.90	82.60	104.00
CCTV compensatory hours	20.7	9.3	136.8	216.4	475.5	20.5	18.9	29.8
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.018</b>	<b>0.017</b>	<b>0.030</b>	<b>0.037</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>

Licensee Comments: none

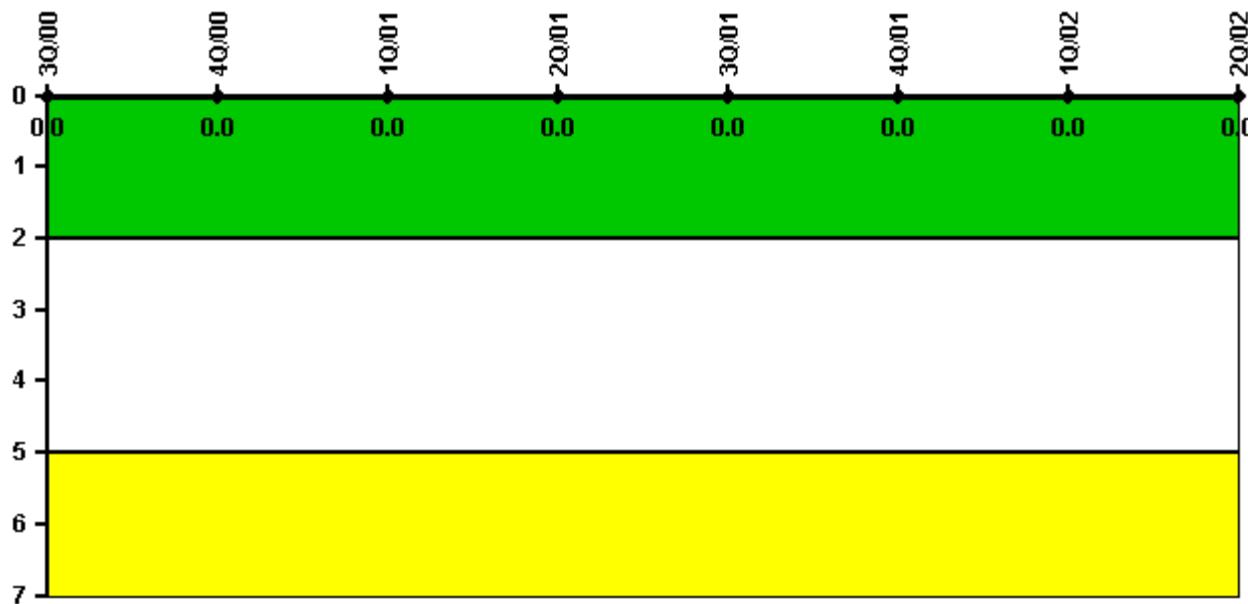
**Personnel Screening Program**

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	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

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

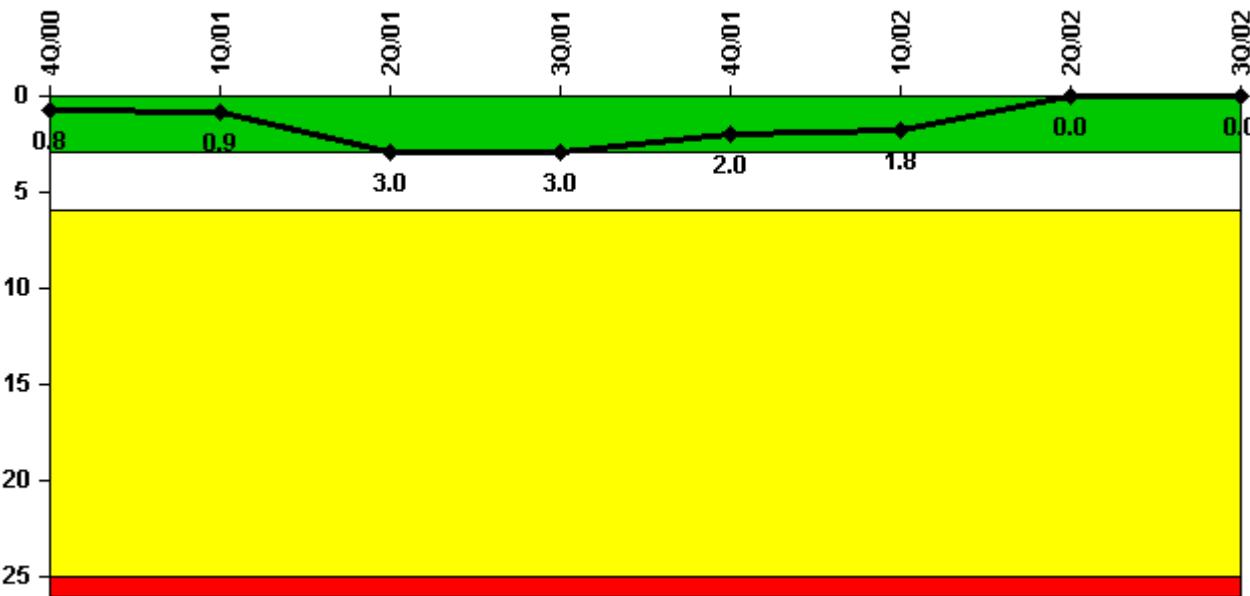


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: July 31, 2002

**Farley 2****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	1.0	0	2.0	0	0	0	0	0
Critical hours	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1
Indicator value	0.8	0.9	3.0	3.0	2.0	1.8	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

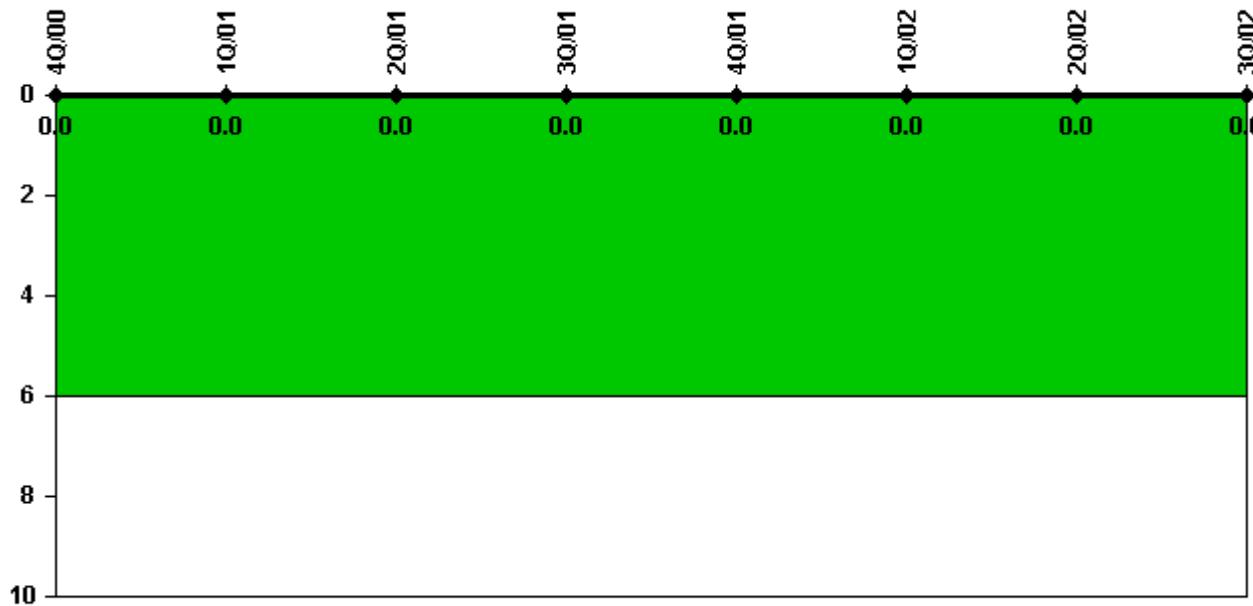
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0	0	0	0

Licensee Comments: none

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**Unplanned Power Changes per 7000 Critical Hrs**

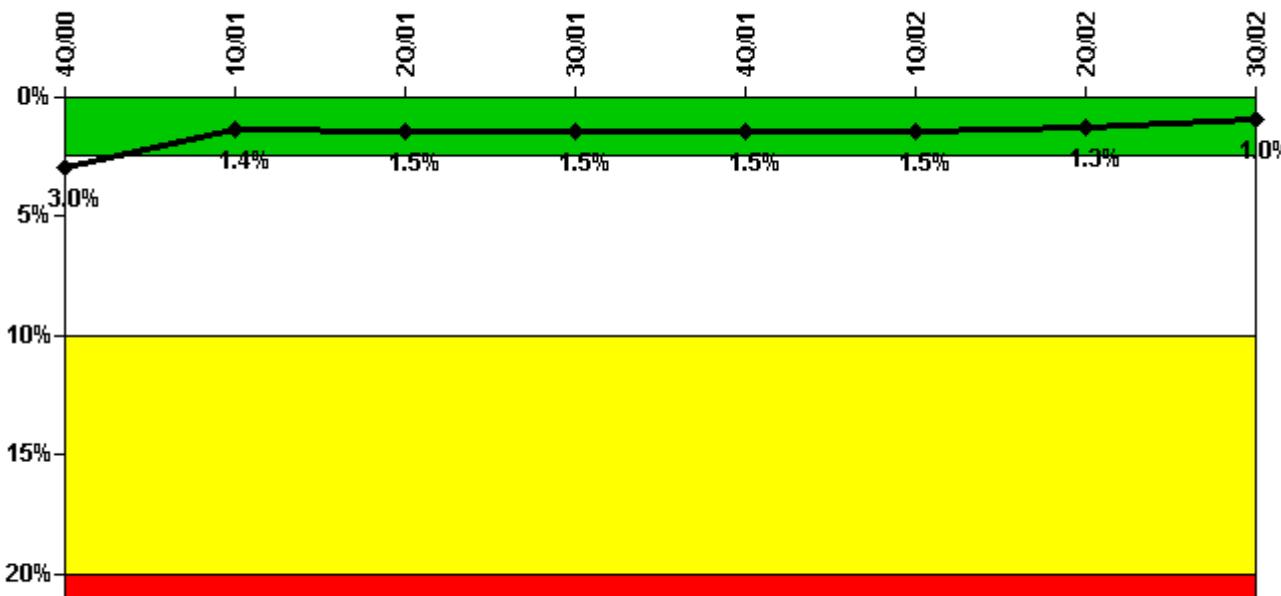
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2175.7	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



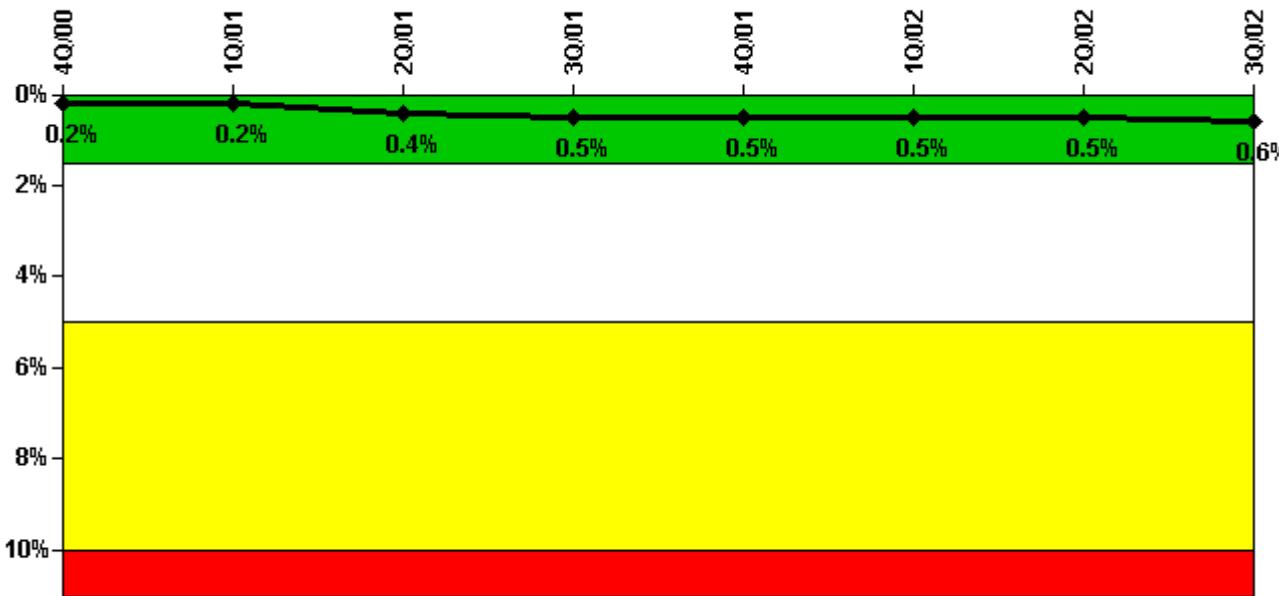
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	192.90	1.40	0	19.60	5.70	0.50	14.50	10.50
Unplanned unavailable hours	0	0.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	1038.40	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	19.00	1.10	20.10	0	11.10	1.60	20.60	14.10
Unplanned unavailable hours	0	0	2.70	0	0	0	0	8.00
Fault exposure hours	0	0	44.30	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	0.70	0.70	0	0.20	0.80	13.70	13.20	7.80
Unplanned unavailable hours	0	0	0	0	0	0	5.10	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>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>

Licensee Comments: none

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



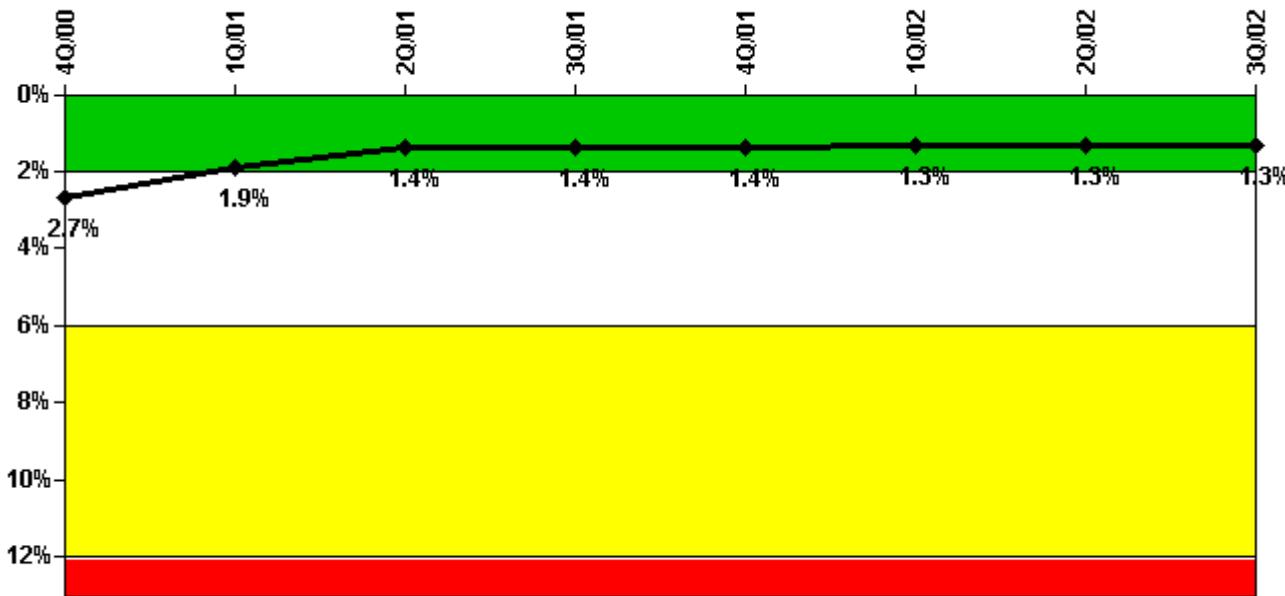
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	6.00	2.90	12.40	1.10	3.50	4.60	2.40	9.60
Unplanned unavailable hours	0	0	0.50	8.50	13.90	0	5.00	0
Fault exposure hours	0	0	0	14.90	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10
<b>Train 2</b>								
Planned unavailable hours	2.20	3.30	20.80	3.60	4.00	4.60	4.50	2.30
Unplanned unavailable hours	0	0	2.70	0	0	0	0	0
Fault exposure hours	0	0	44.30	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>

Licensee Comments: none

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



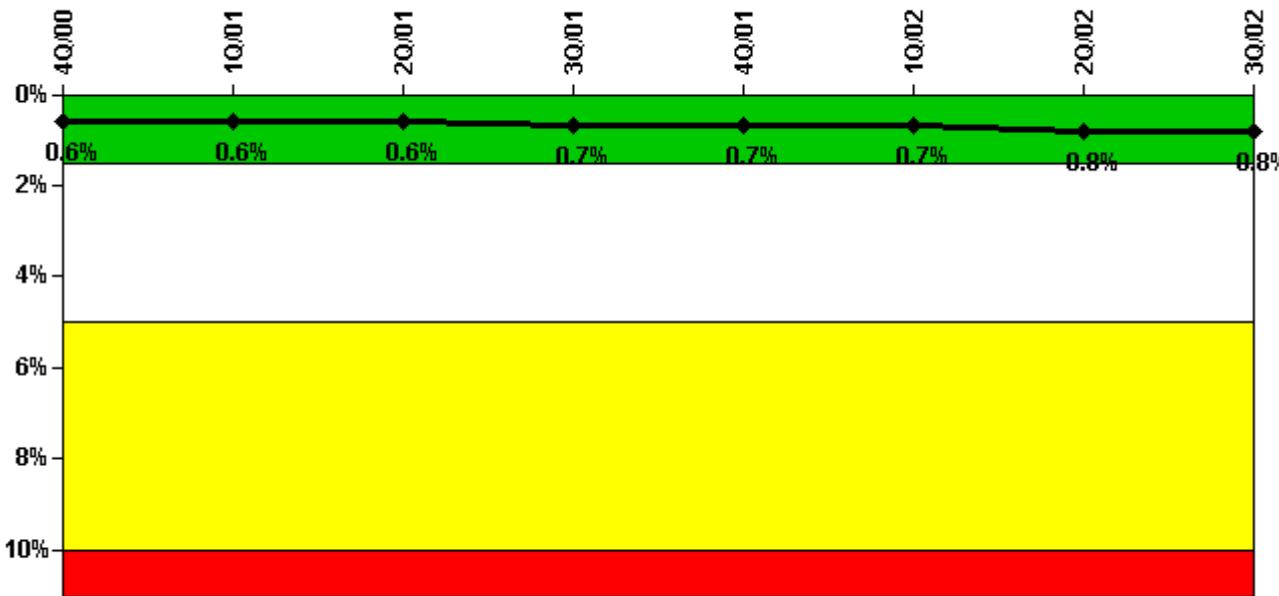
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	4.30	2.90	12.40	1.10	3.90	5.00	2.40	10.10
Unplanned unavailable hours	0	0	0	8.50	0	0	5.00	0
Fault exposure hours	0	0	0	14.90	0	0	0	0
Effective Reset hours	0	572.70	0	0	0	0	0	0
Required hours	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10
<b>Train 2</b>								
Planned unavailable hours	21.60	3.60	20.80	3.50	4.70	4.90	5.10	2.80
Unplanned unavailable hours	0	0	2.70	0	0	0	0	0
Fault exposure hours	0	0	44.30	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10
<b>Train 3</b>								
Planned unavailable hours	0.20	0.80	0.50	0.50	0.60	0.50	5.40	3.20
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	360.60	0	0	0	0	0
Required hours	2175.67	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10
<b>Indicator value</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

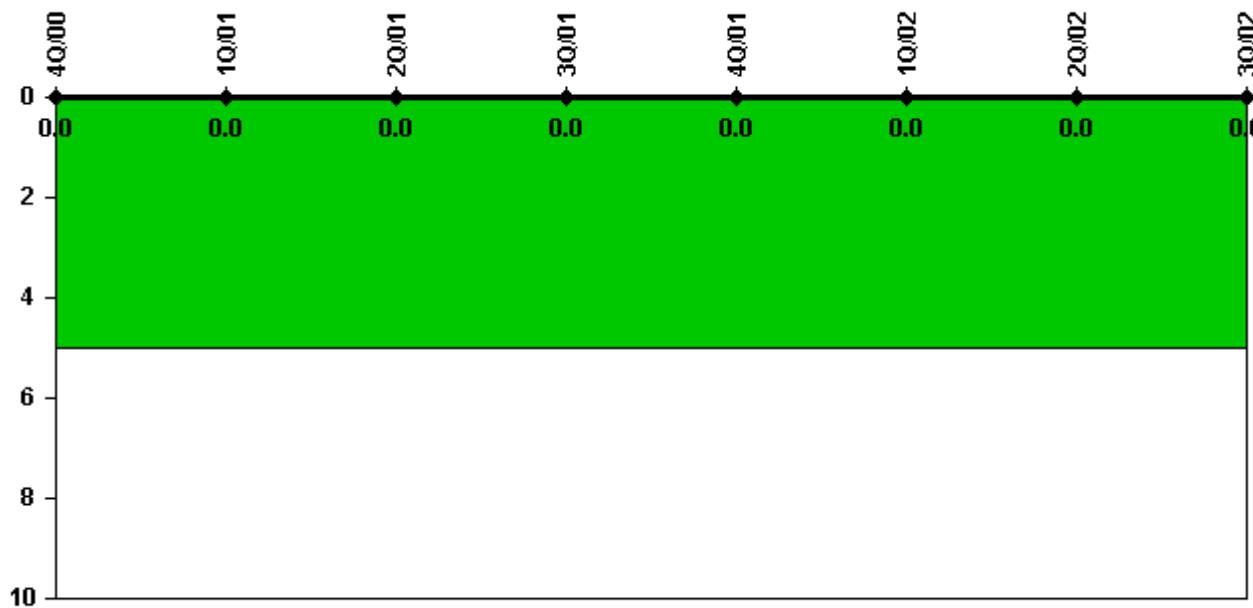


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	5.80	21.70	17.60	8.10	16.70	5.30	28.30	10.50
Unplanned unavailable hours	0	0	0.60	8.50	13.90	0	5.00	0
Fault exposure hours	0	0	0	14.90	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	11.40	3.30	25.60	4.10	6.80	5.40	17.30	6.60
Unplanned unavailable hours	0	0	2.70	0	0	0	0	0
Fault exposure hours	0	0	44.30	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>0.6%</b>	<b>0.6%</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 (PWR)**

Thresholds: White > 5.0

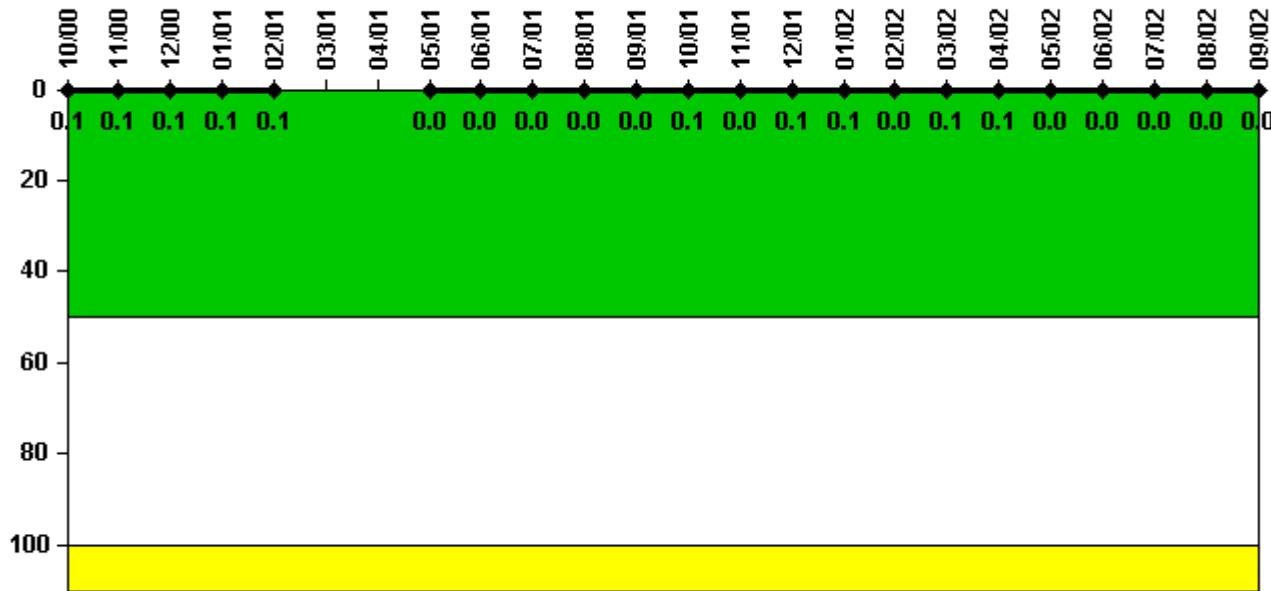
**Notes**

Safety System Functional Failures (PWR)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
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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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

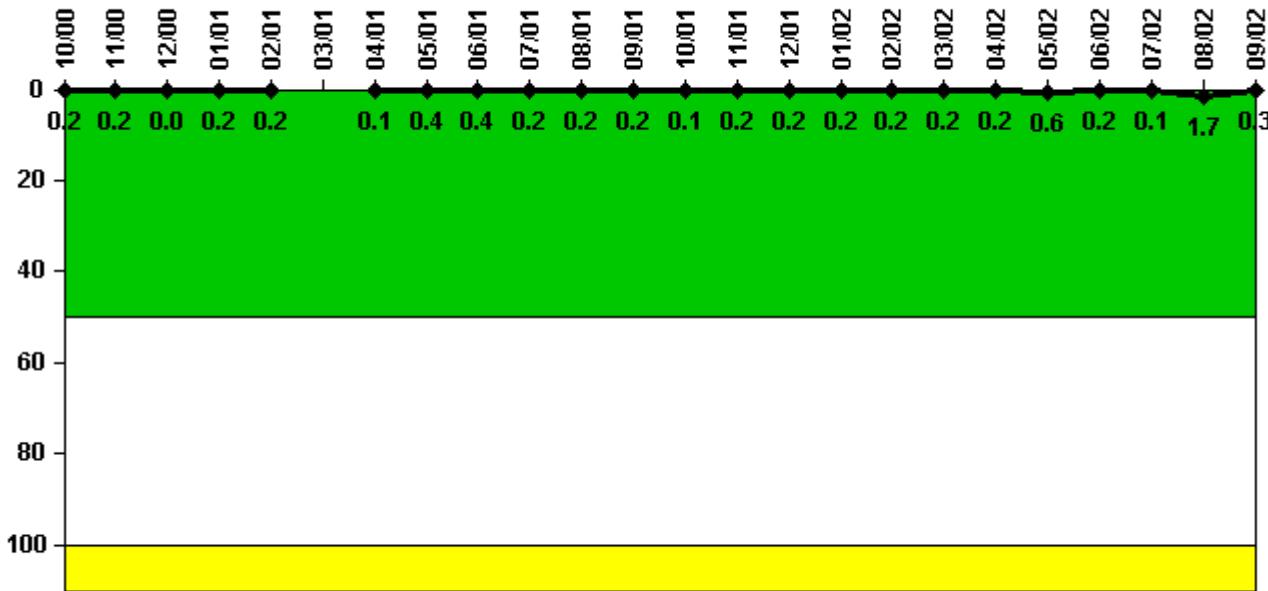
Reactor Coolant System Activity		10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity		0.000228	0.000241	0.000260	0.000241	0.000240	N/A	N/A	0.000132	0.000164	0.000181	0.000207	0.000200
Technical specification limit		0.3	0.3	0.3	0.3	0.3	N/A	N/A	0.5	0.5	0.5	0.5	0.5
Indicator value		0.1	0.1	0.1	0.1	0.1	N/A	N/A	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		0.000439	0.000222	0.000251	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172
Technical specification limit		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value		0.1	0	0.1	0.1	0	0.1	0.1	0	0	0	0	0

### Licensee Comments:

9/02: Calculation error in July2001 data found and corrected. Color unaffected.

9/01: Calculation error in July 2001 data found and corrected with Q3 2002 submittal. Color unaffected.

## Reactor Coolant System Leakage



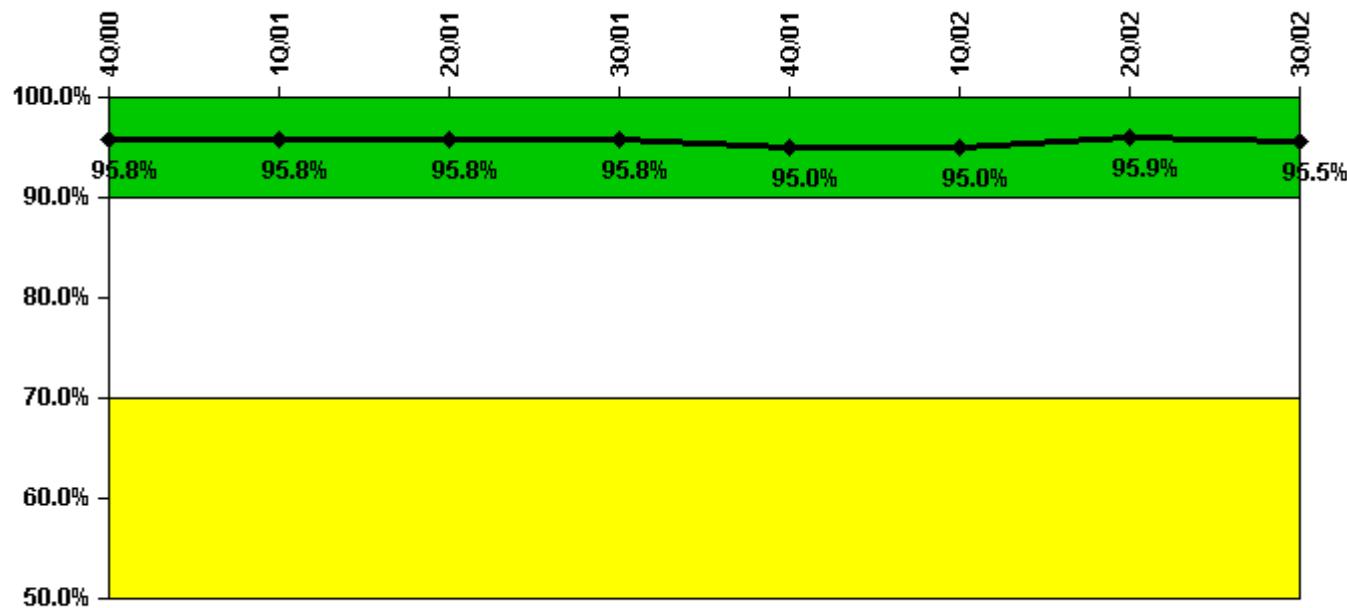
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.020	0.018	0	0.018	0.023	N/A	0.006	0.036	0.037	0.023	0.018	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0	0.2	0.2	N/A	0.1	0.4	0.4	0.2	0.2	0.2
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	0.013	0.017	0.024	0.024	0.020	0.015	0.018	0.058	0.024	0.012	0.170	0.033
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.1	1.7	0.3

Licensee Comments: none

### Drill/Exercise Performance



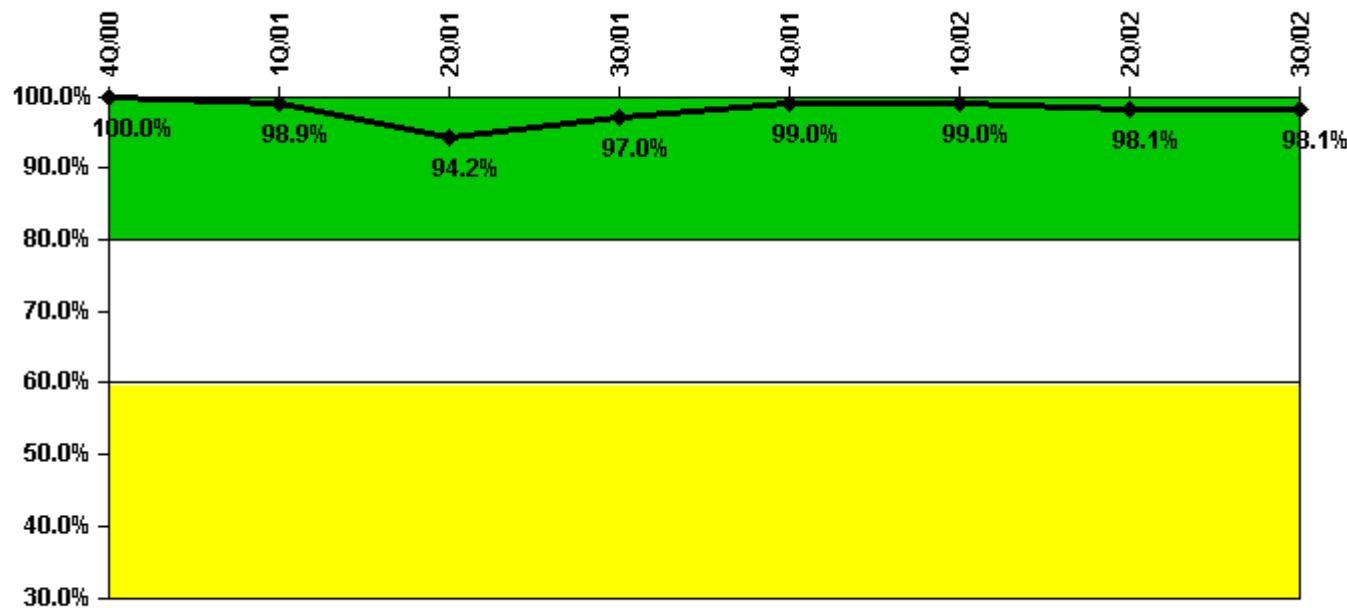
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	56.0	9.0	37.0	61.0	38.0	6.0	79.0	56.0
Total opportunities	58.0	10.0	38.0	64.0	42.0	6.0	82.0	58.0
Indicator value	95.8%	95.8%	95.8%	95.8%	95.0%	95.0%	95.9%	95.5%

Licensee Comments: none

### ERO Drill Participation



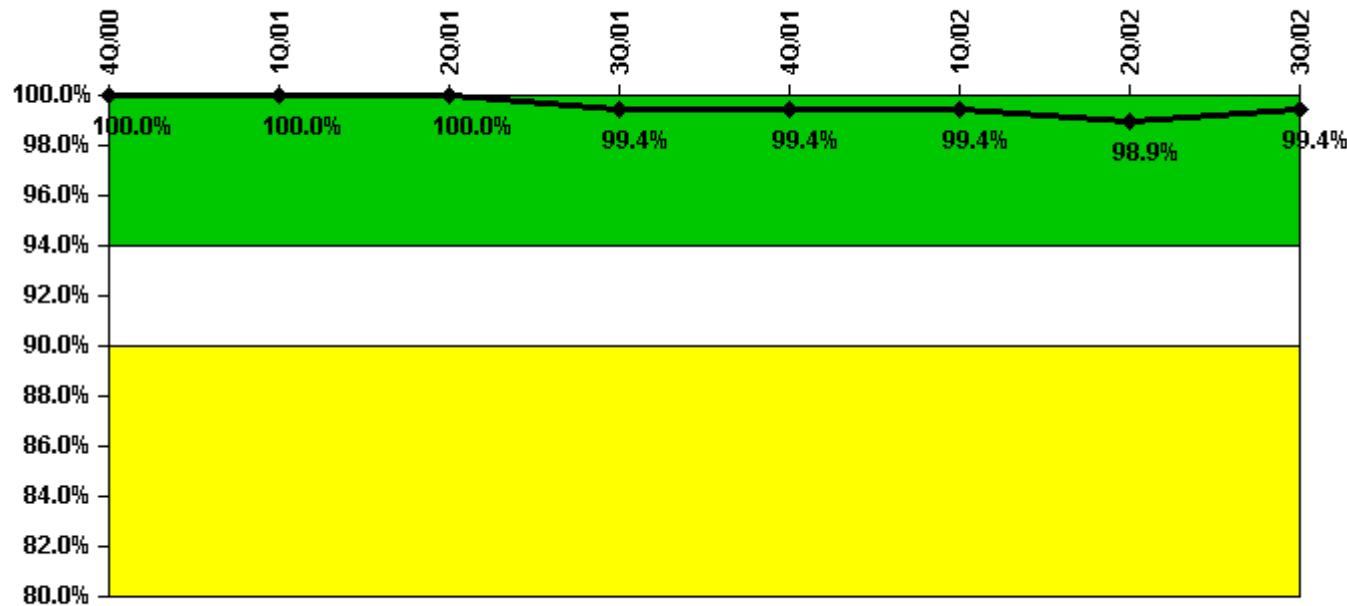
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	103.0	94.0	97.0	97.0	99.0	102.0	106.0	101.0
Total Key personnel	103.0	95.0	103.0	100.0	100.0	103.0	108.0	103.0
Indicator value	<b>100.0%</b>	<b>98.9%</b>	<b>94.2%</b>	<b>97.0%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.1%</b>	<b>98.1%</b>

Licensee Comments: none

## Alert & Notification System

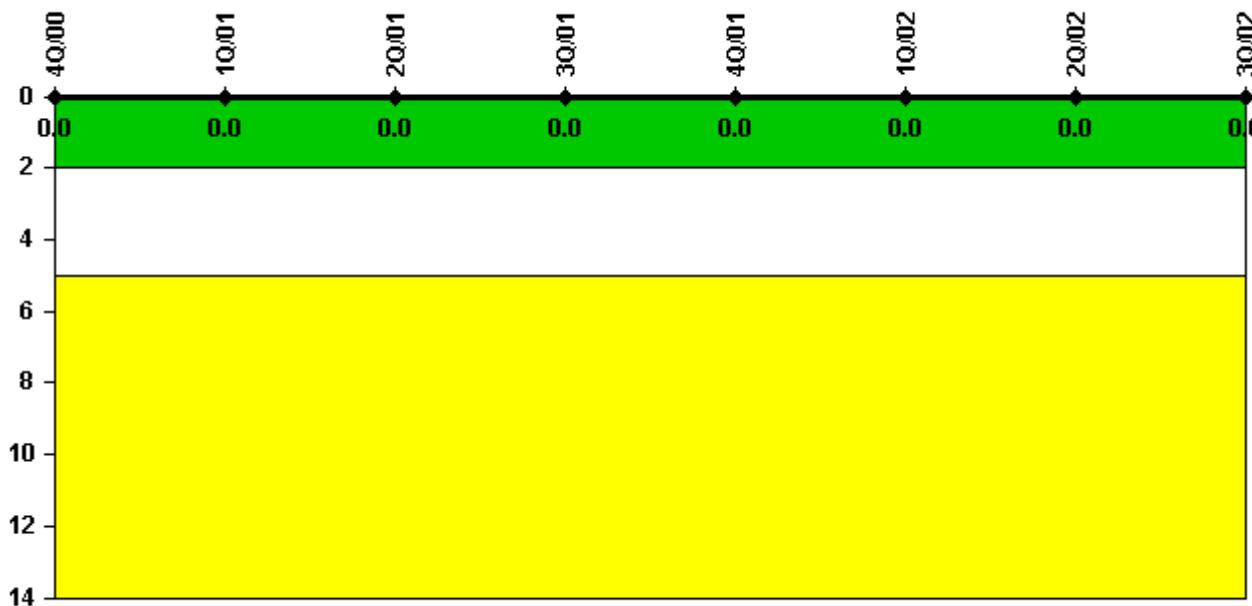


Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	45	42	45	41	45	42	44	45
Total sirens-tests	45	42	45	42	45	42	45	45
Indicator value	100.0%	100.0%	100.0%	99.4%	99.4%	99.4%	98.9%	99.4%

Licensee Comments: none

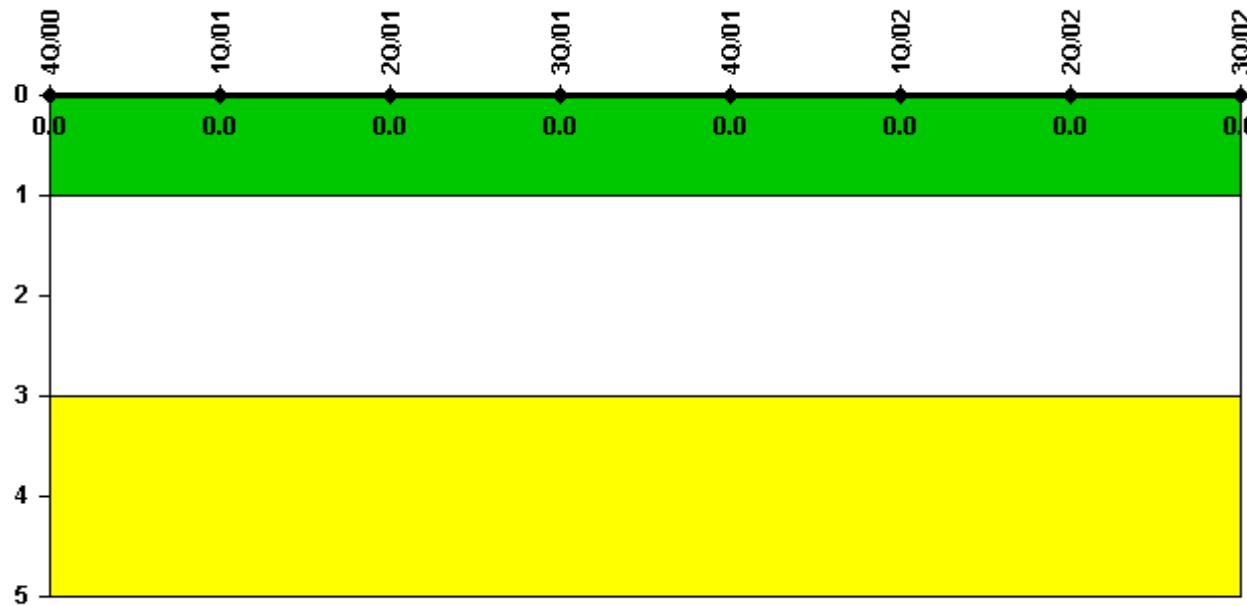
**Occupational Exposure Control Effectiveness**

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>0</b>							

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

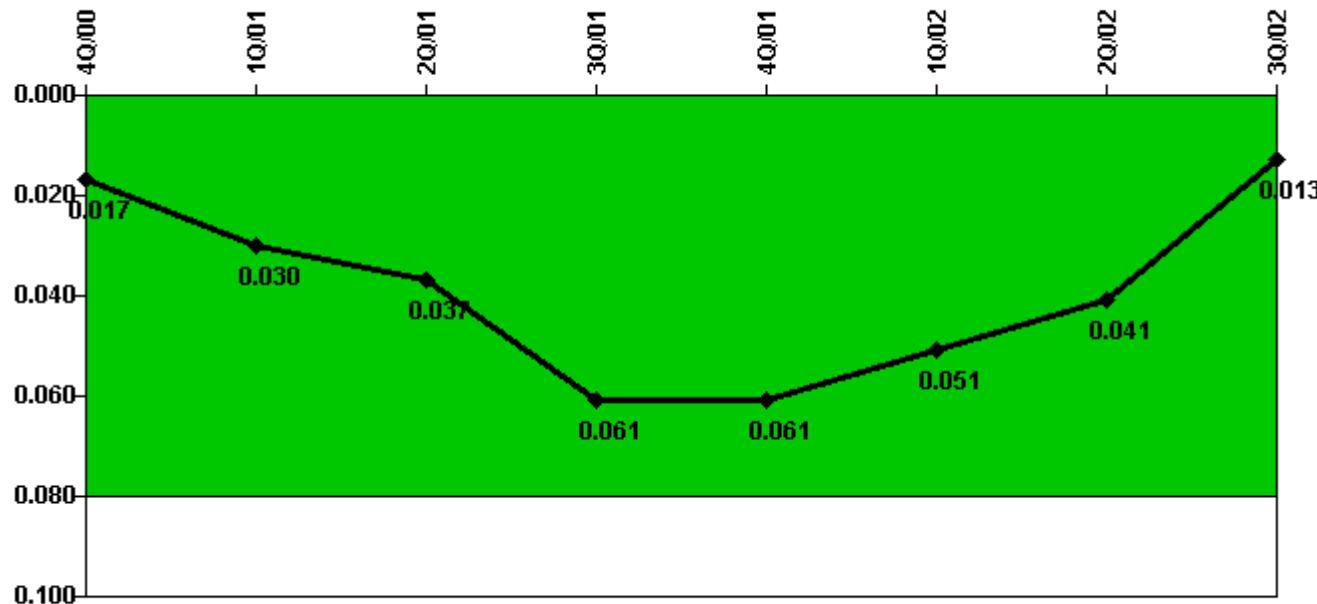
**Notes**

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



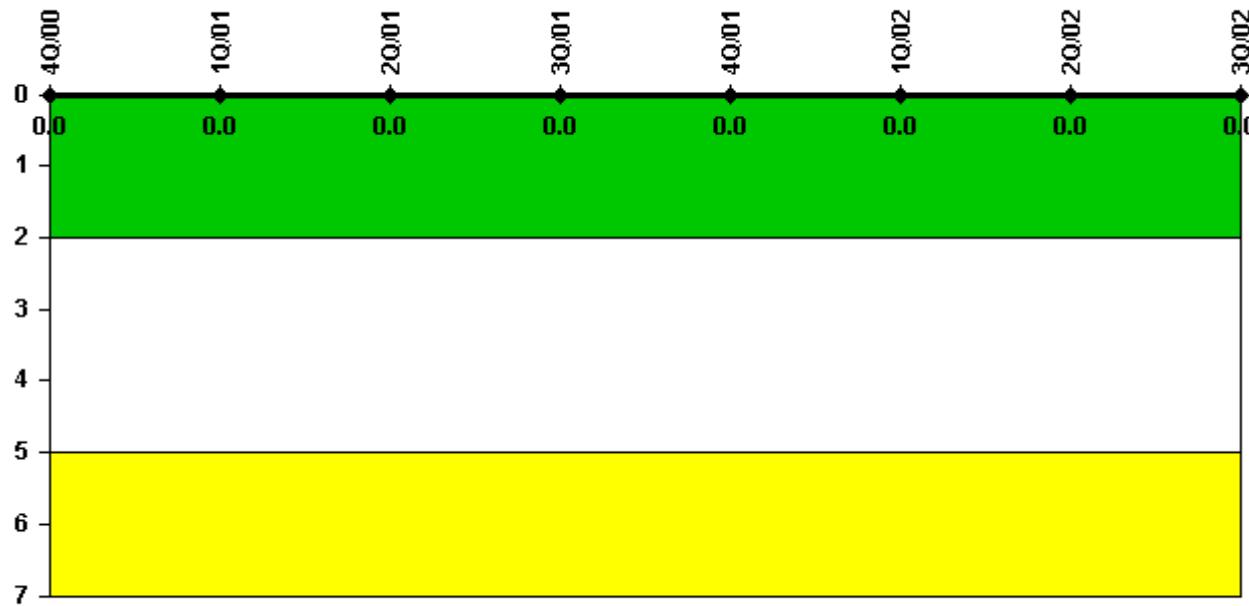
Thresholds: White > 0.080

### 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	88.37	172.90	70.80	71.96	44.90	82.60	104.00	27.90
CCTV compensatory hours	9.3	136.8	216.4	475.5	20.5	18.9	29.8	12.0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.017</b>	<b>0.030</b>	<b>0.037</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>

### Licensee Comments:

3Q/02: January through August 2002 compensatory hours for planned modification to upgrade the security computer and video multiplexers are excluded per NEI 99-02 guidance. NRC resident inspector informed of modifications and compensatory measures.

**Personnel Screening Program**

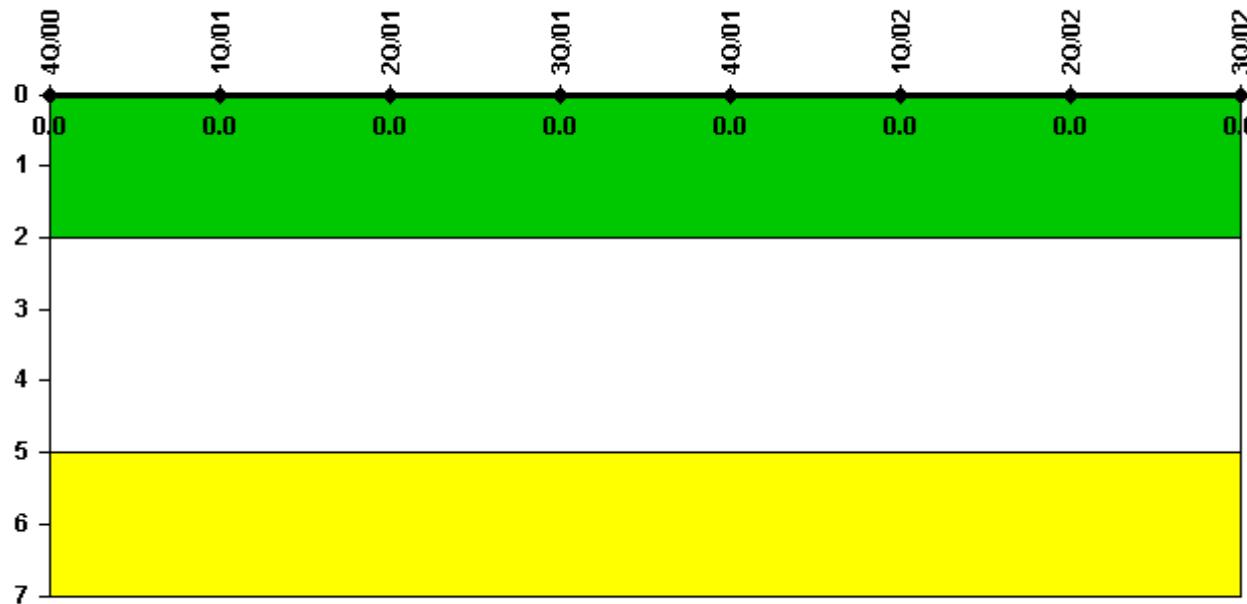
Thresholds: White > 2.0 Yellow > 5.0

**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	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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**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	0	0	0	0	0	0	0	0

Licensee Comments: none

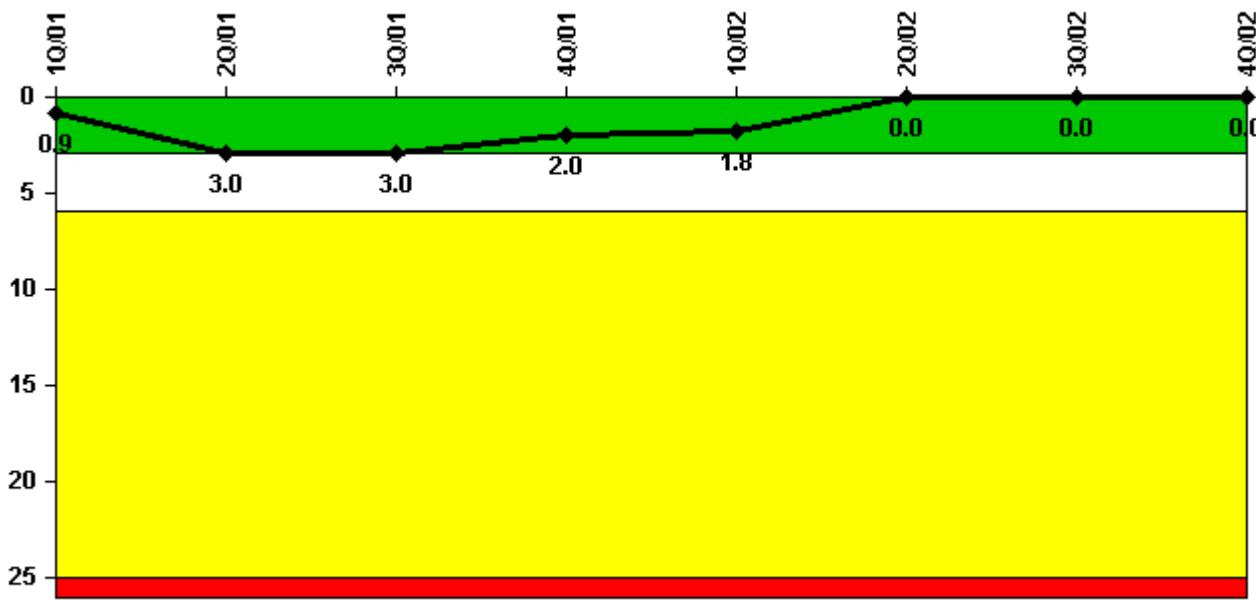


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 22, 2002

**Farley 2****4Q/2002 Performance Indicators**

Licensee's General Comments: none

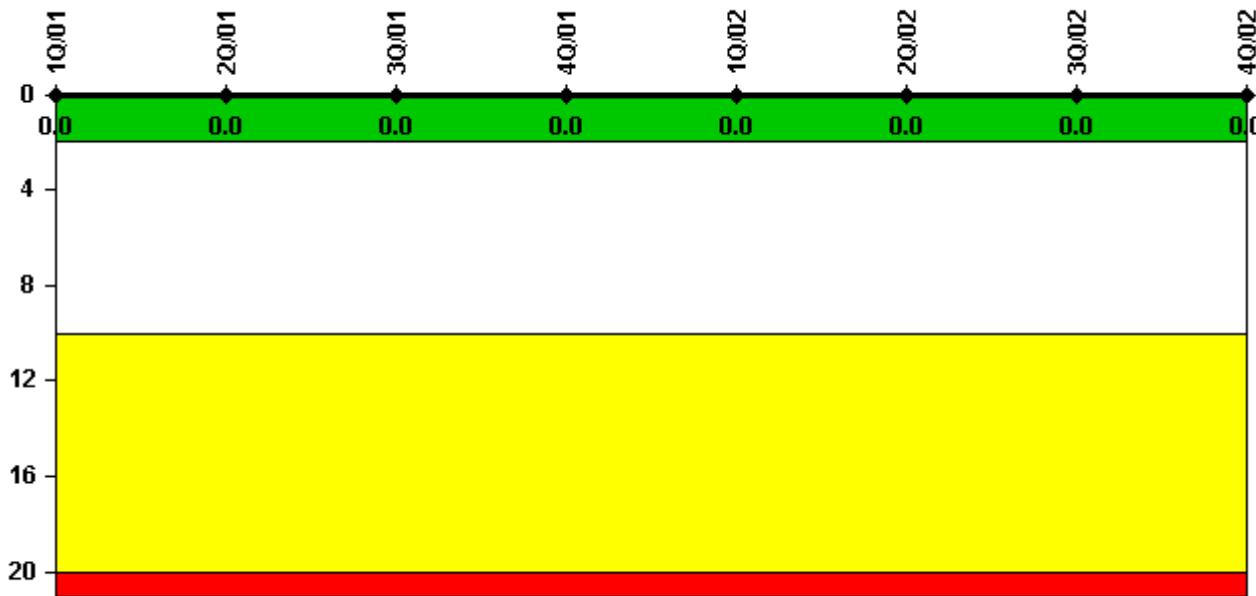
**Unplanned Scrams per 7000 Critical Hrs**

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	0	2.0	0	0	0	0	0	0
Critical hours	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1	1558.6
Indicator value	0.9	3.0	3.0	2.0	1.8	0	0	0

Licensee Comments: none

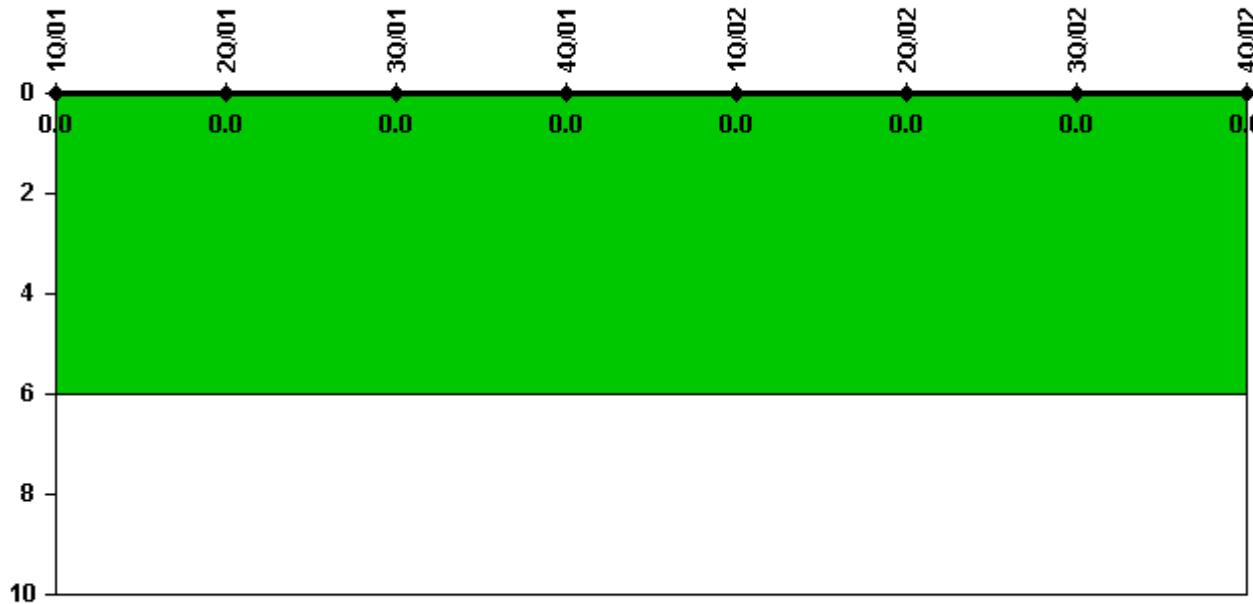
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0	0	0	0

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

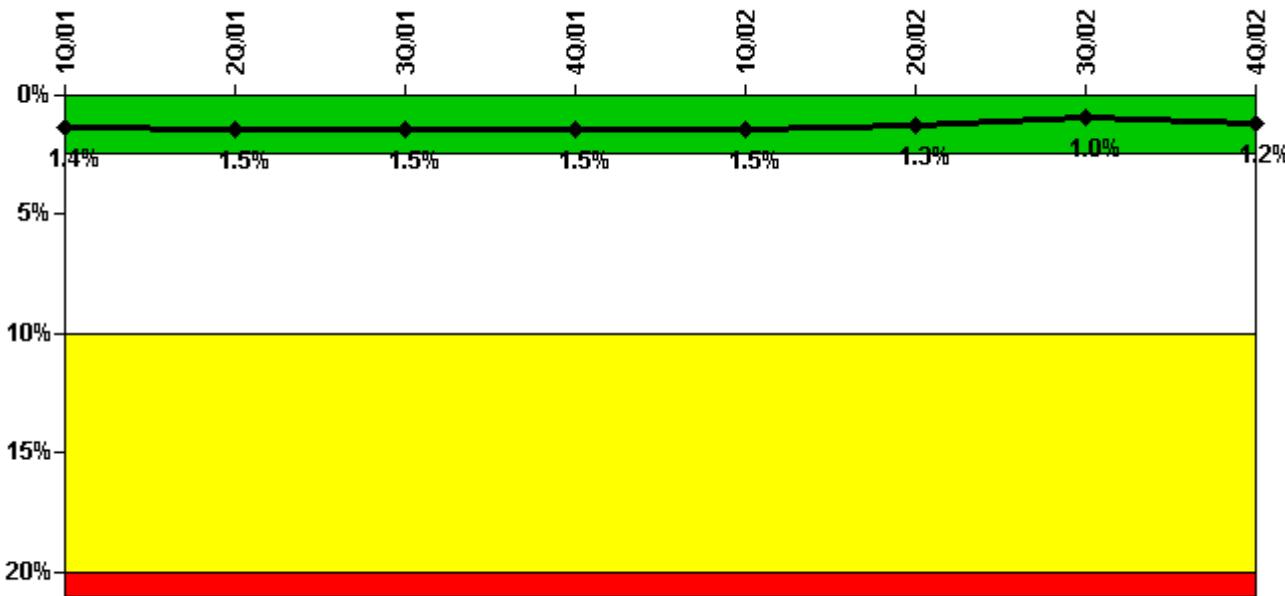
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1296.8	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1	1558.6
Indicator value	0	0	0	0	0	0	0	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%

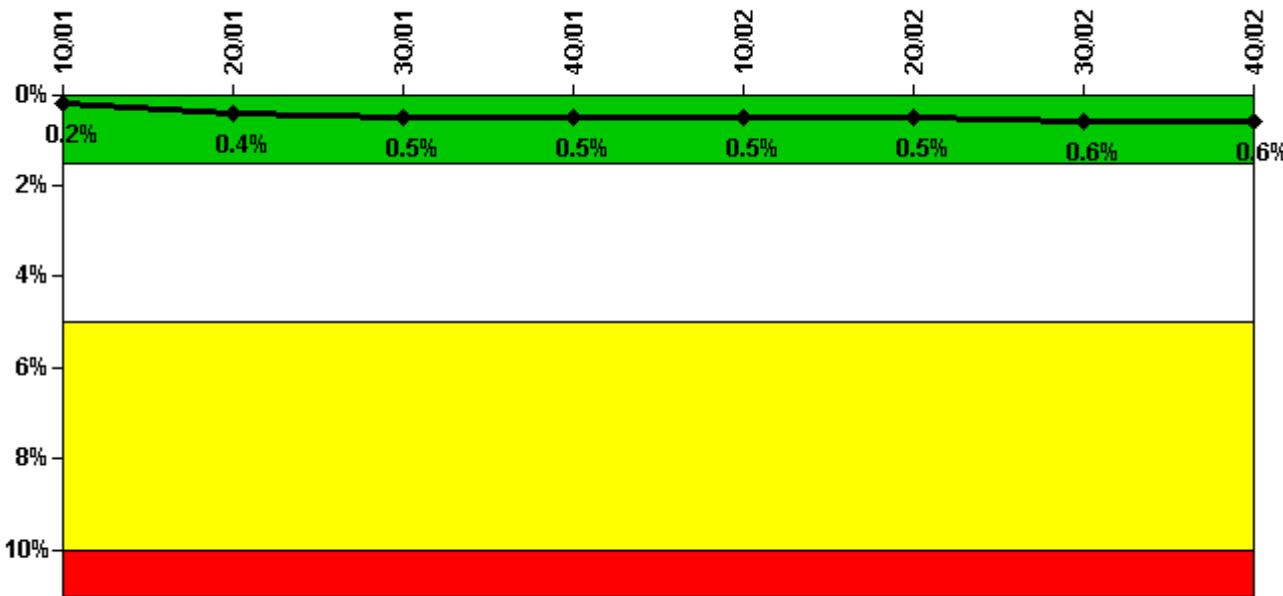
### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	1.40	0	19.60	5.70	0.50	14.50	10.50	6.60
Unplanned unavailable hours	0.30	0	0	0	0	0	0	101.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	1038.40	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	1.10	20.10	0	11.10	1.60	20.60	14.10	15.10
Unplanned unavailable hours	0	2.70	0	0	0	0	8.00	0
Fault exposure hours	0	44.30	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	0.70	0	0.20	0.80	13.70	13.20	7.80	0.20
Unplanned unavailable hours	0	0	0	0	0	5.10	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>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>

Licensee Comments:

4Q/02: 261.4 T/2 FEH for October and 77.8 T/2 FEH for November for Train 1.

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



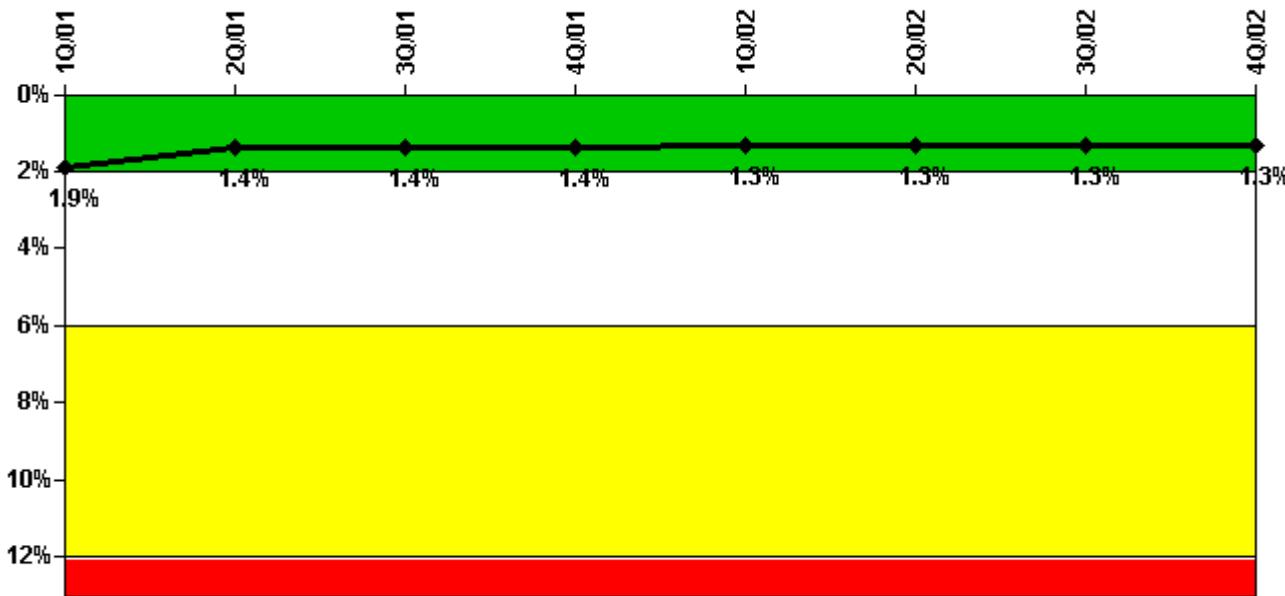
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	2.90	12.40	1.10	3.50	4.60	2.40	9.60	5.40
Unplanned unavailable hours	0	0.50	8.50	13.90	0	5.00	0	0
Fault exposure hours	0	0	14.90	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60
<b>Train 2</b>								
Planned unavailable hours	3.30	20.80	3.60	4.00	4.60	4.50	2.30	6.40
Unplanned unavailable hours	0	2.70	0	0	0	0	0	0
Fault exposure hours	0	44.30	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60
<b>Indicator value</b>	<b>0.2%</b>	<b>0.4%</b>	<b>0.5%</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, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

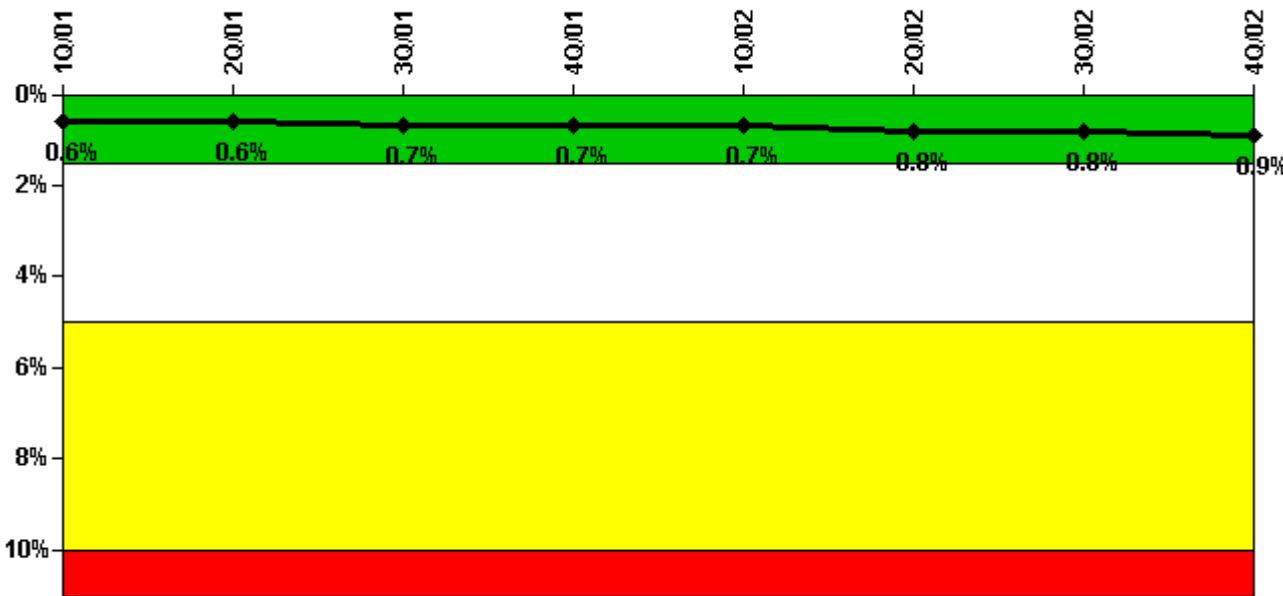
### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
<b>Train 1</b>								
Planned unavailable hours	2.90	12.40	1.10	3.90	5.00	2.40	10.10	5.40
Unplanned unavailable hours	0	0	8.50	0	0	5.00	0	0
Fault exposure hours	0	0	14.90	0	0	0	0	0
Effective Reset hours	572.70	0	0	0	0	0	0	0
Required hours	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60
<b>Train 2</b>								
Planned unavailable hours	3.60	20.80	3.50	4.70	4.90	5.10	2.80	9.40
Unplanned unavailable hours	0	2.70	0	0	0	0	0	0
Fault exposure hours	0	44.30	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60
<b>Train 3</b>								
Planned unavailable hours	0.80	0.50	0.50	0.60	0.50	5.40	3.20	2.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	360.60	0	0	0	0	0	0
Required hours	1296.80	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60
<b>Indicator value</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>

Licensee Comments:

4Q/02: 339.7 hours T/2 FEH for Train 3 in November.

## Safety System Unavailability, Residual Heat Removal System

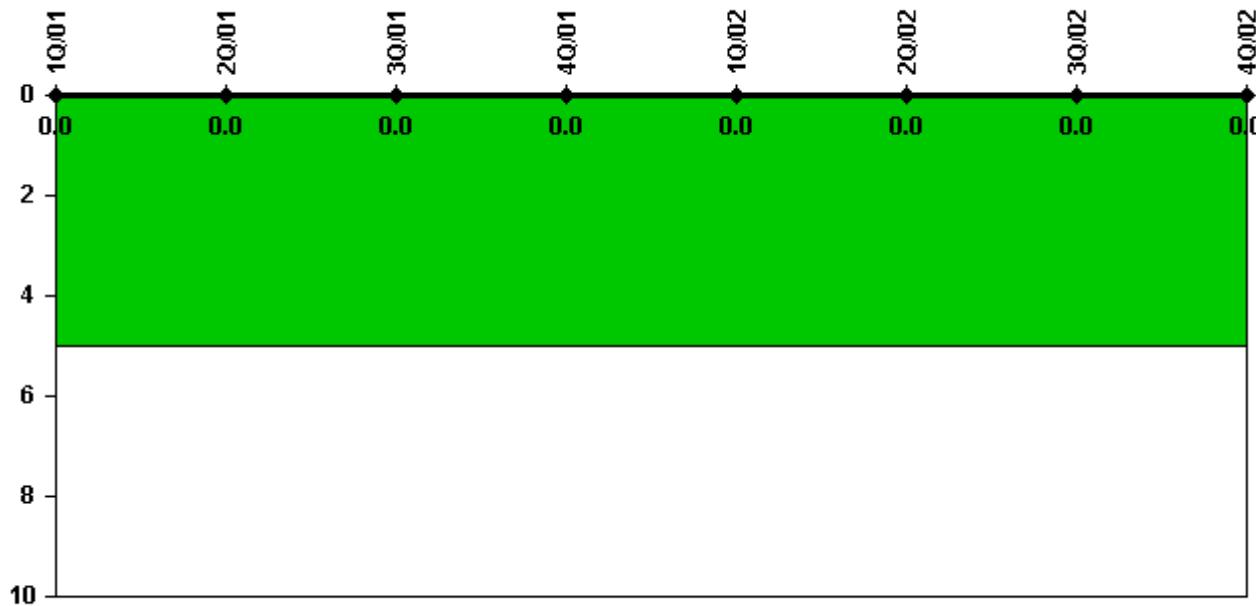


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### 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	21.70	17.60	8.10	16.70	5.30	28.30	10.50	16.60
Unplanned unavailable hours	0	0.60	8.50	13.90	0	5.00	0	0
Fault exposure hours	0	0	14.90	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	3.30	25.60	4.10	6.80	5.40	17.30	6.60	12.60
Unplanned unavailable hours	0	2.70	0	0	0	0	0	0
Fault exposure hours	0	44.30	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>0.6%</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>0.9%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

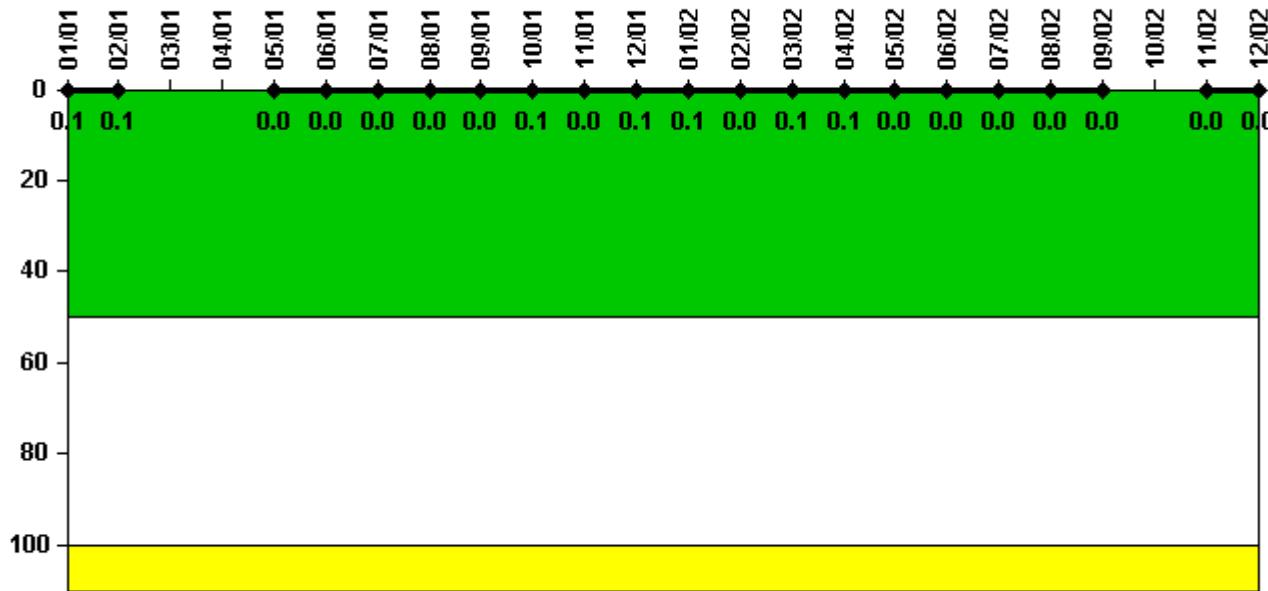
**Notes**

Safety System Functional Failures (PWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

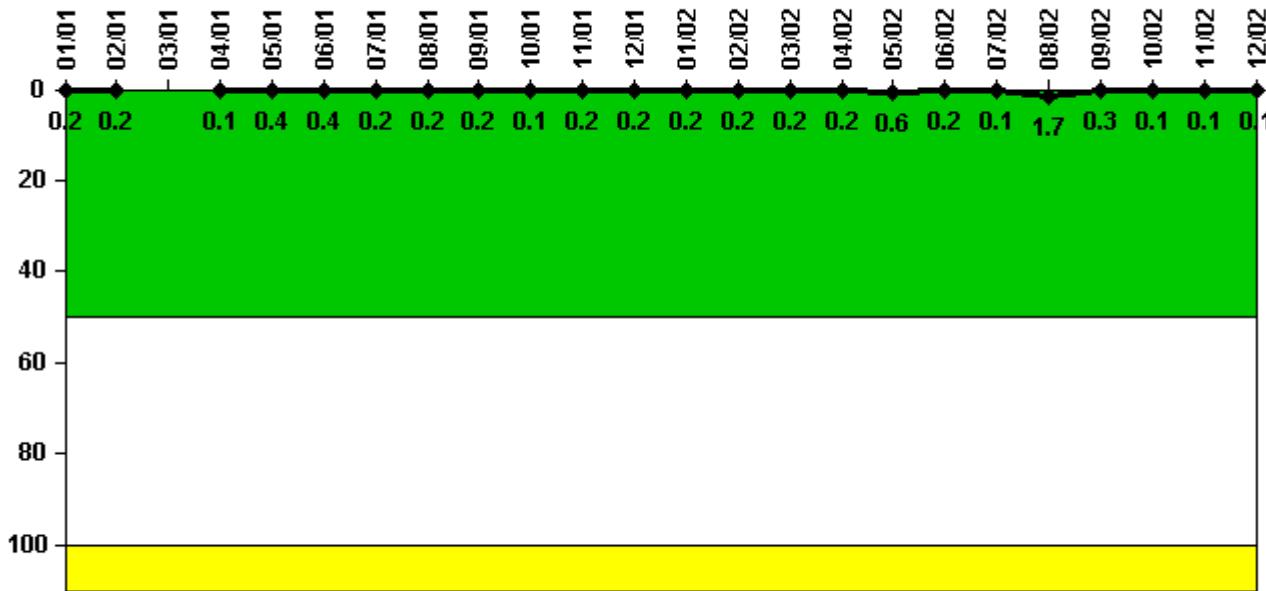
### Notes

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	0.000241	0.000240	N/A	N/A	0.000132	0.000164	0.000181	0.000207	0.000200	0.000439	0.000222	0.000251
Technical specification limit	0.3	0.3	N/A	N/A	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	<b>0.1</b>	<b>0.1</b>	N/A	N/A	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0</b>	<b>0.1</b>
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	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172	N/A	0.000069	0.000065
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	<b>0.1</b>	<b>0</b>	<b>0.1</b>	<b>0.1</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>

Licensee Comments:

12/02: October N/A due to refueling outage.

## Reactor Coolant System Leakage



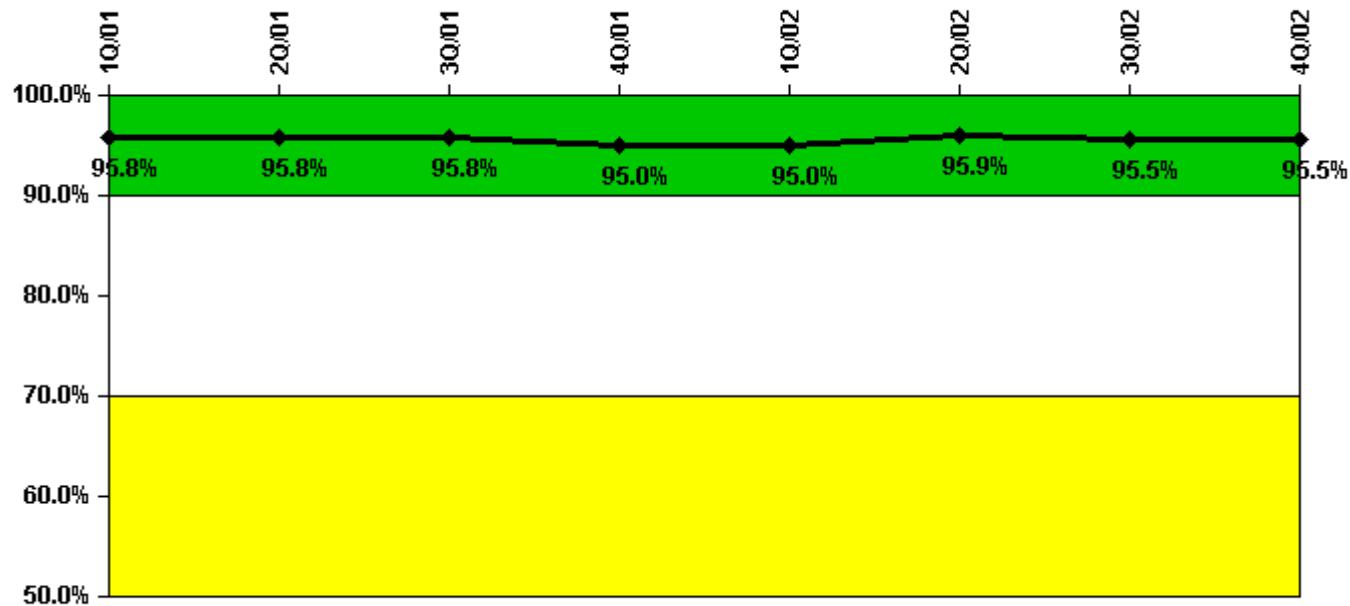
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.018	0.023	N/A	0.006	0.036	0.037	0.023	0.018	0.024	0.013	0.017	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	N/A	0.1	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2
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	0.024	0.020	0.015	0.018	0.058	0.024	0.012	0.170	0.033	0.010	0.011	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.6	0.2	0.1	1.7	0.3	0.1	0.1	0.1

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

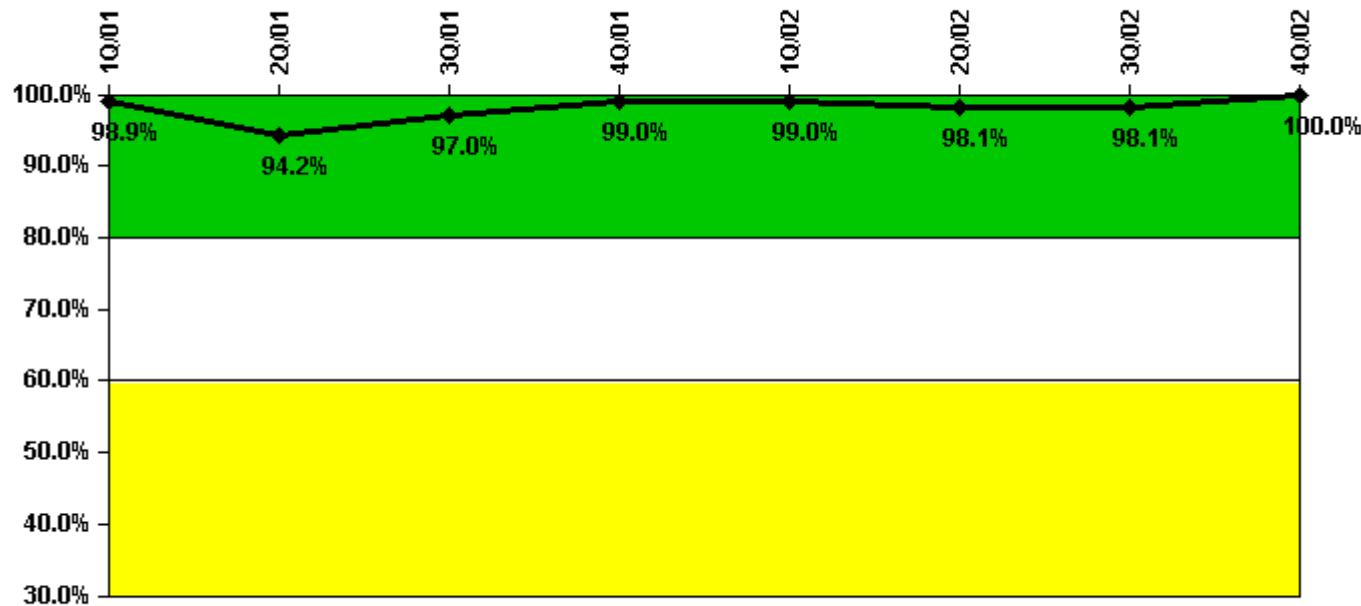
#### Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	9.0	37.0	61.0	38.0	6.0	79.0	56.0	8.0
Total opportunities	10.0	38.0	64.0	42.0	6.0	82.0	58.0	8.0
Indicator value	95.8%	95.8%	95.8%	95.0%	95.0%	95.9%	95.5%	95.5%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

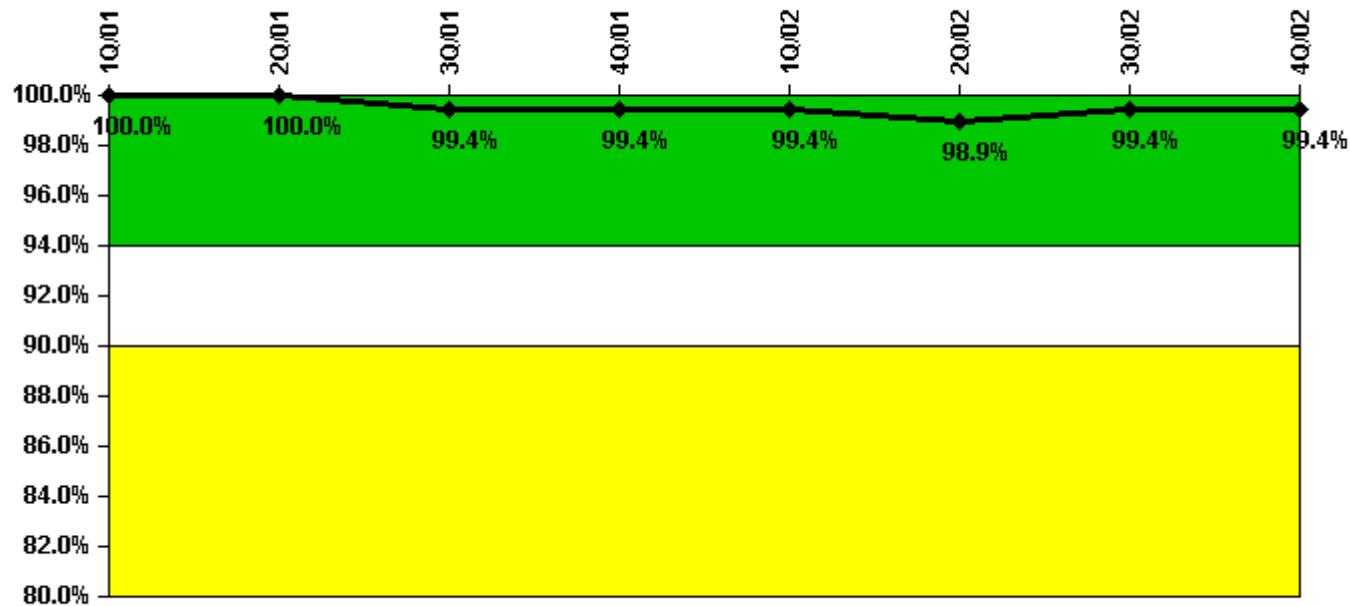
### Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	94.0	97.0	97.0	99.0	102.0	106.0	101.0	104.0
Total Key personnel	95.0	103.0	100.0	100.0	103.0	108.0	103.0	104.0
Indicator value	98.9%	94.2%	97.0%	99.0%	99.0%	98.1%	98.1%	100.0%

Licensee Comments: none

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## Alert & Notification System



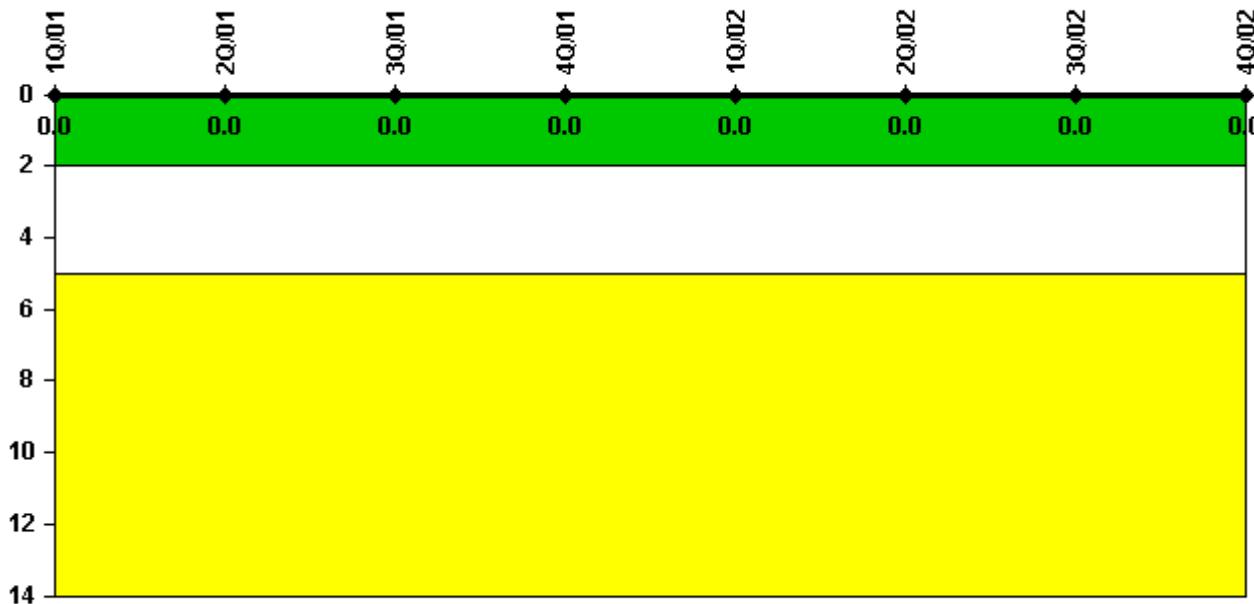
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	42	45	41	45	42	44	45	42
Total sirens-tests	42	45	42	45	42	45	45	42
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>98.9%</b>	<b>99.4%</b>	<b>99.4%</b>

Licensee Comments: none

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**Occupational Exposure Control Effectiveness**

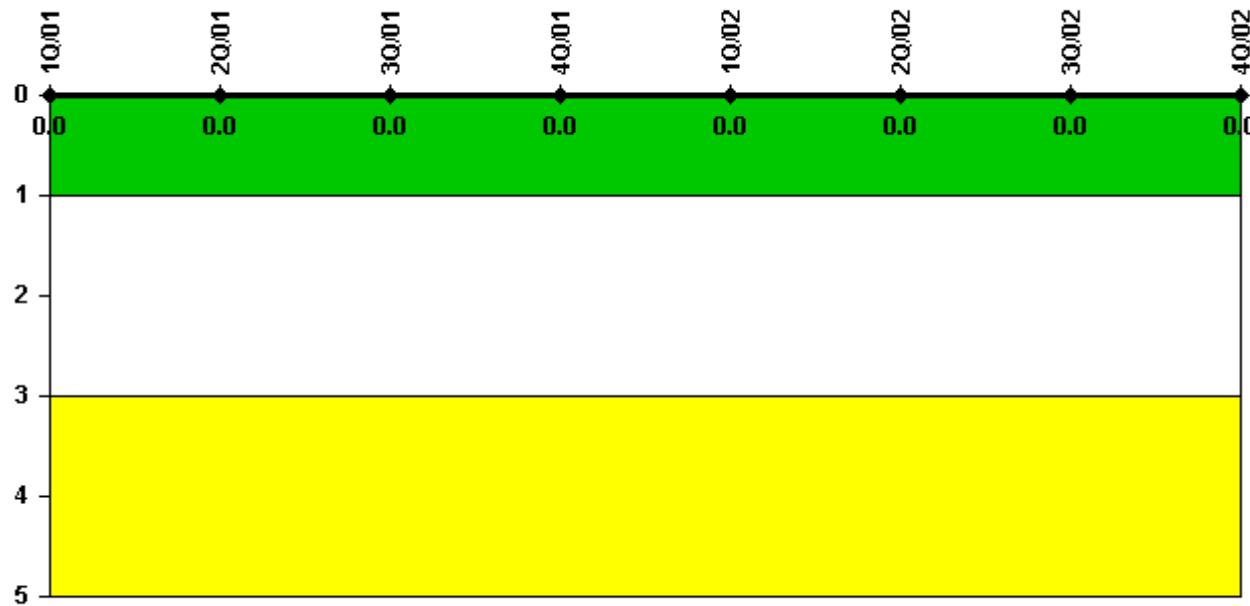
Thresholds: White > 2.0 Yellow > 5.0

**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
<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

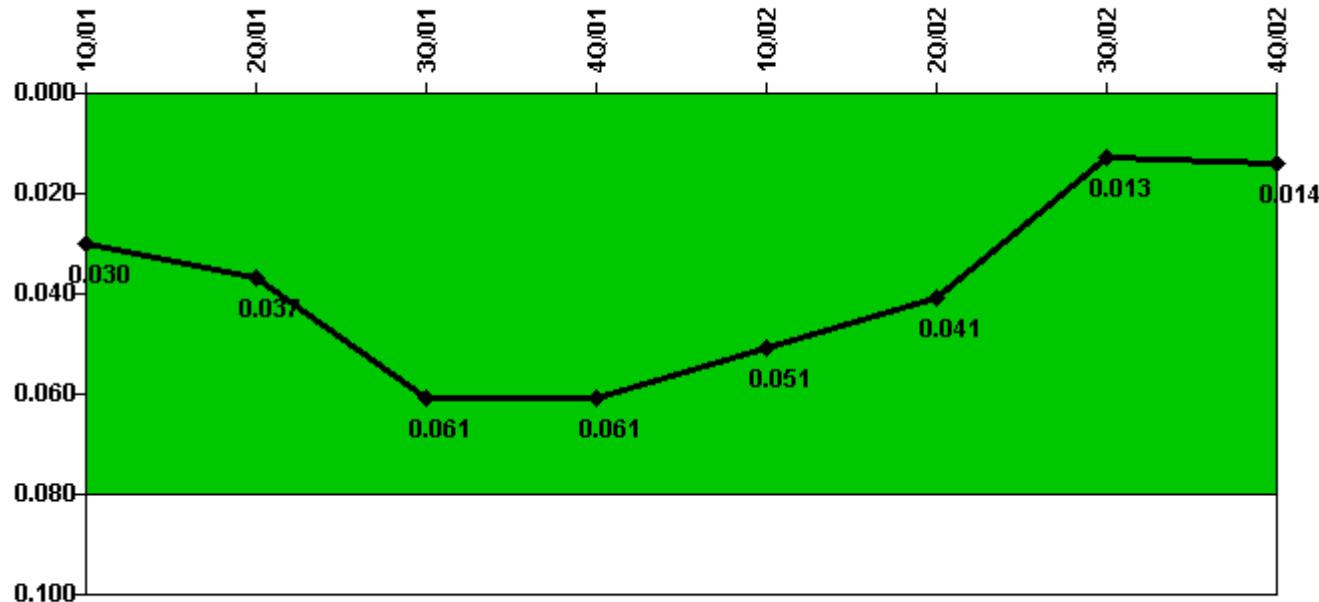
**Notes**

RETS/ODCM Radiological Effluent	1Q/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



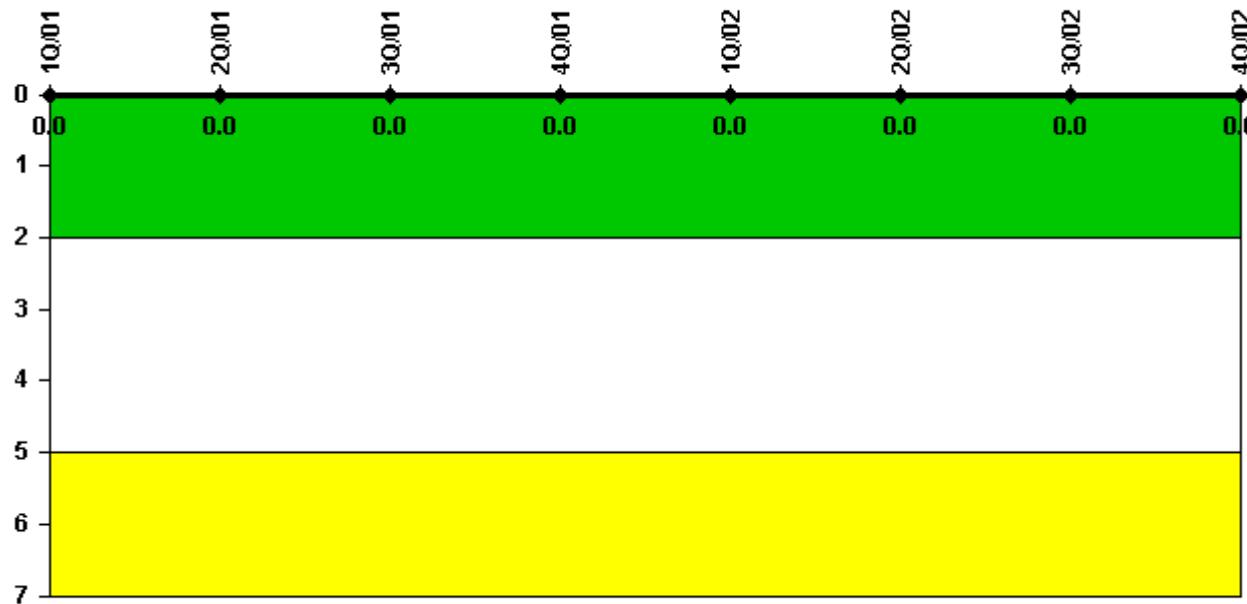
Thresholds: White > 0.080

### 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	172.90	70.80	71.96	44.90	82.60	104.00	27.90	110.90
CCTV compensatory hours	136.8	216.4	475.5	20.5	18.9	29.8	12.0	0.1
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.030</b>	<b>0.037</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>

Licensee Comments: none

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**Personnel Screening Program**

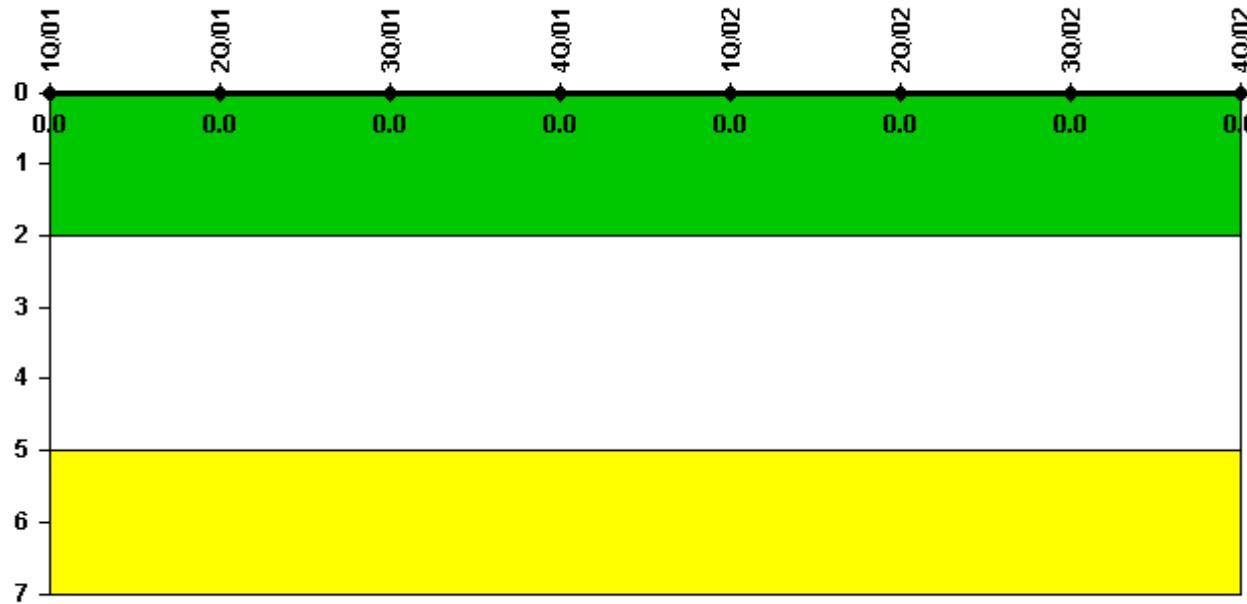
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

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

Licensee Comments: none

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**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](#)

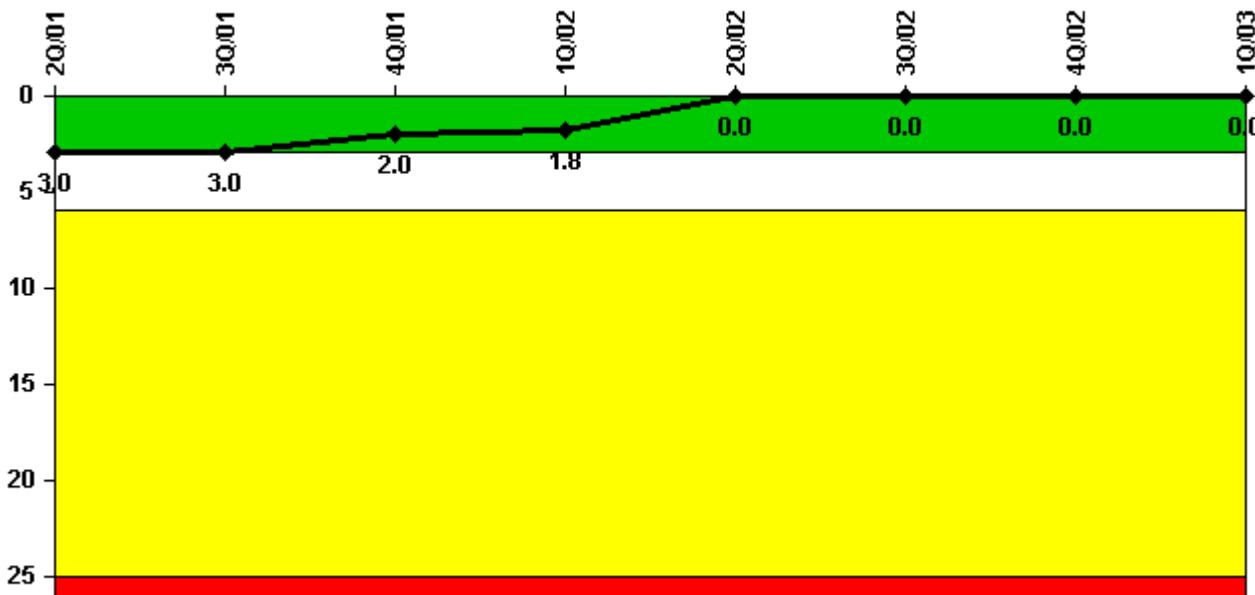
Last Modified: January 30, 2003

## Farley 2

### 1Q/2003 Performance Indicators

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**



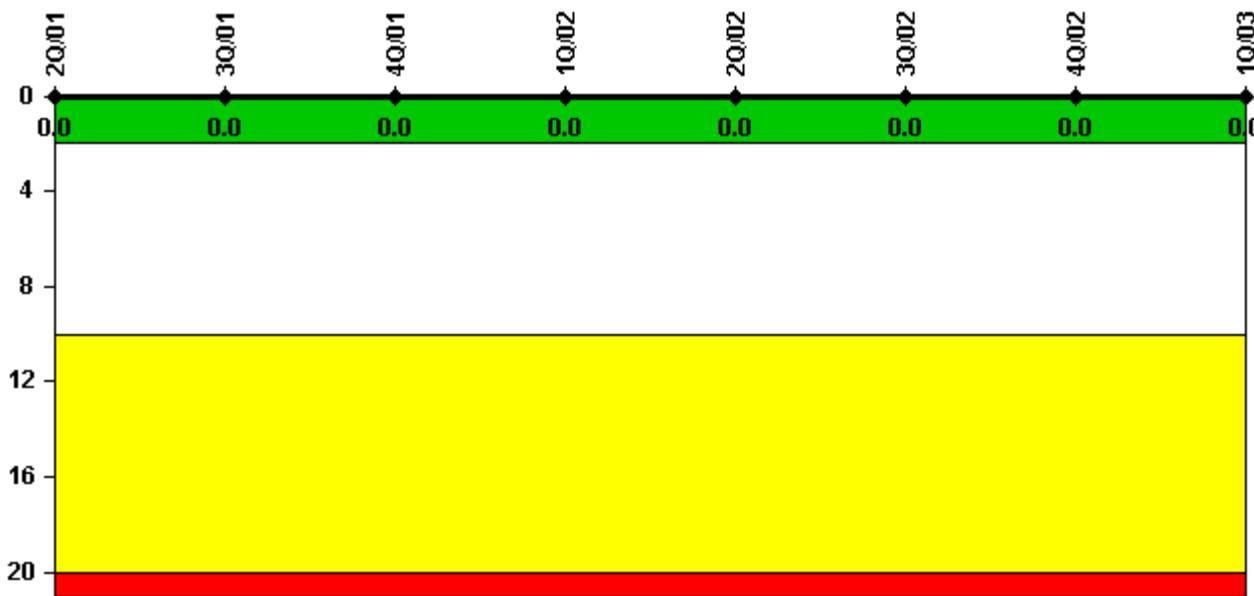
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	2.0	0	0	0	0	0	0	0
Critical hours	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1	1558.6	2160.0
Indicator value	3.0	3.0	2.0	1.8	0	0	0	0

Licensee Comments: none

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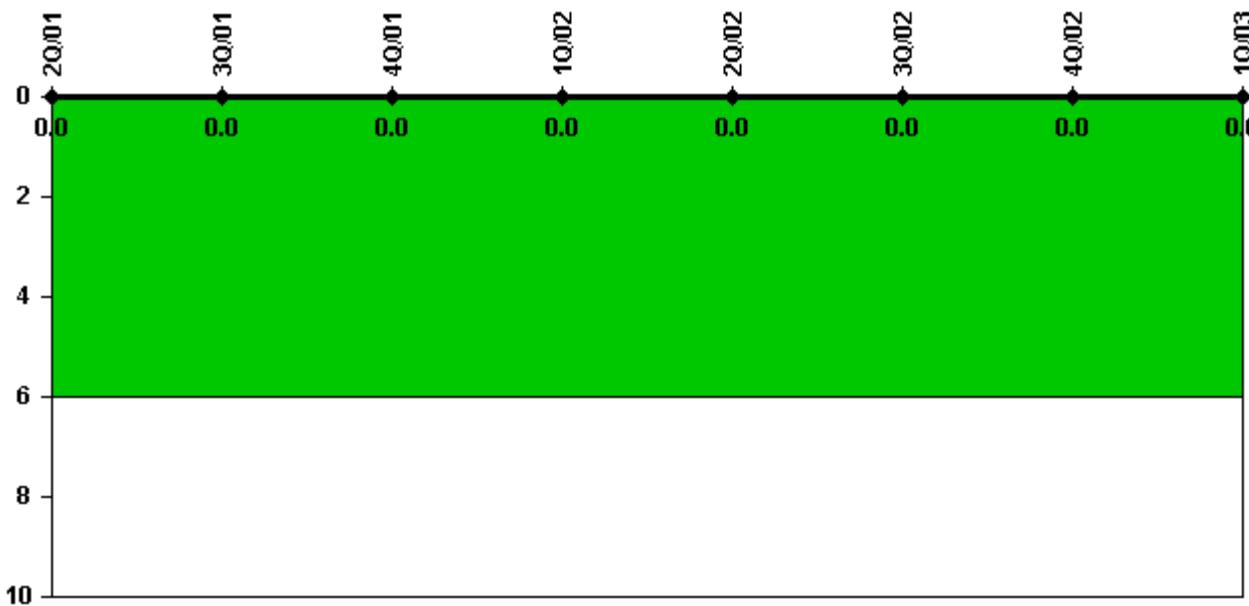
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0	0	0	0

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

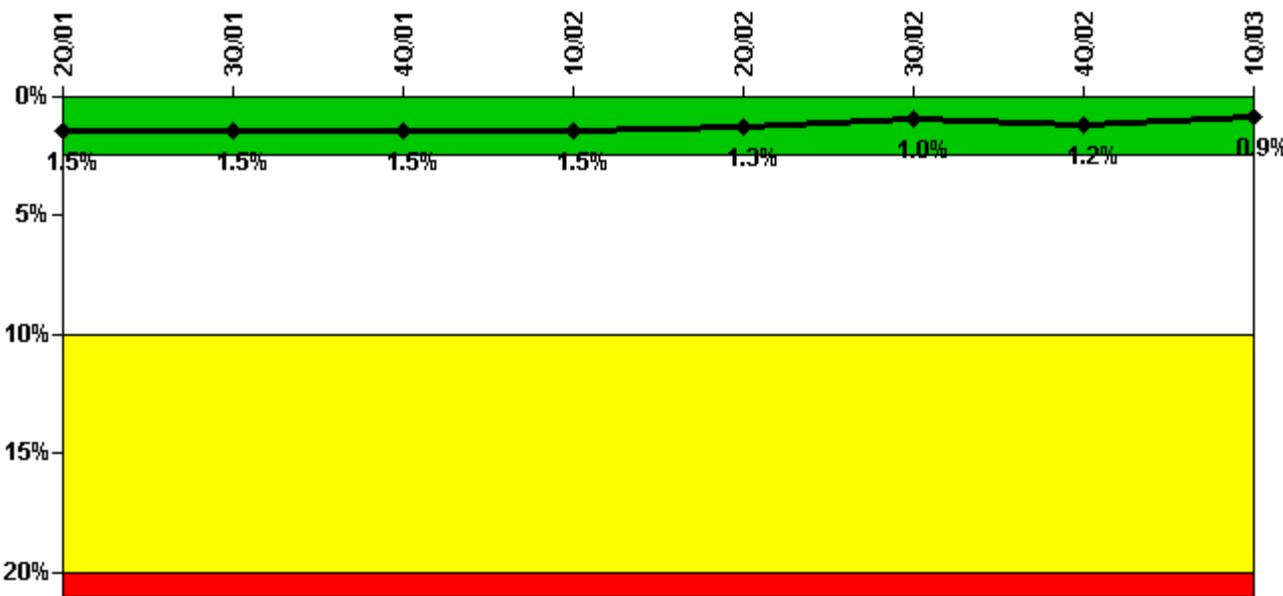
Thresholds: White > 6.0

**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1262.3	2208.0	2209.0	2160.0	2183.0	1801.1	1558.6	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



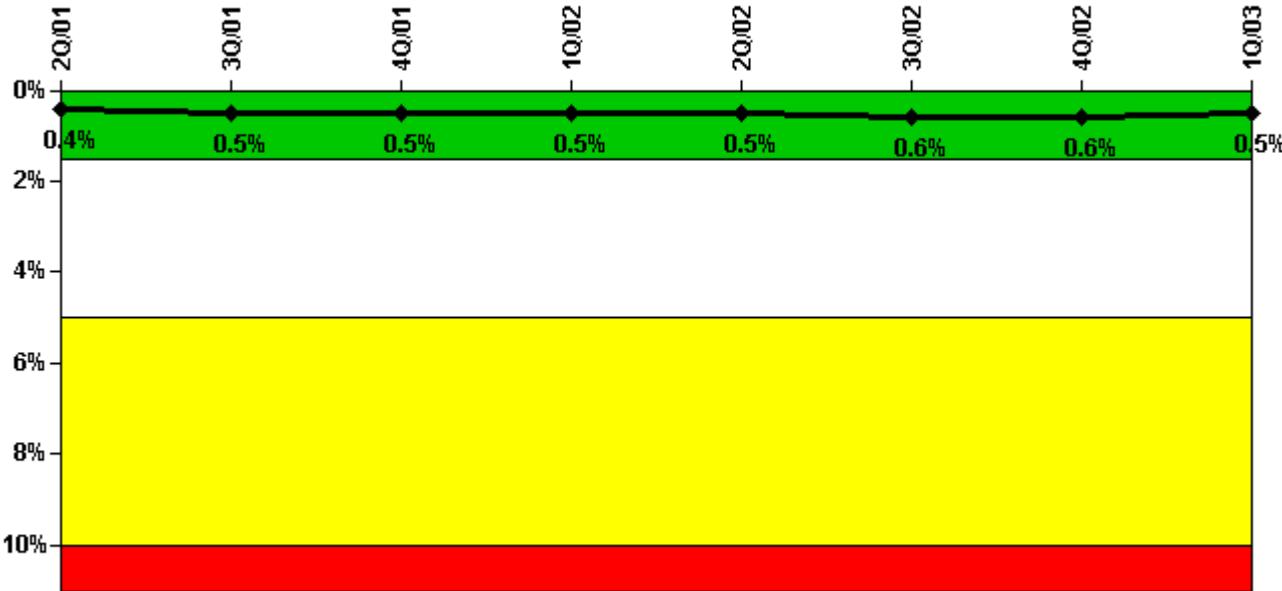
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	19.60	5.70	0.50	14.50	10.50	6.60	0.97
Unplanned unavailable hours	0	0	0	0	0	0	101.90	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	20.10	0	11.10	1.60	20.60	14.10	15.10	0.25
Unplanned unavailable hours	2.70	0	0	0	0	8.00	0	0
Fault exposure hours	44.30	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	0	0.20	0.80	13.70	13.20	7.80	0.20	0.25
Unplanned unavailable hours	0	0	0	0	5.10	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>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>

Licensee Comments: none

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



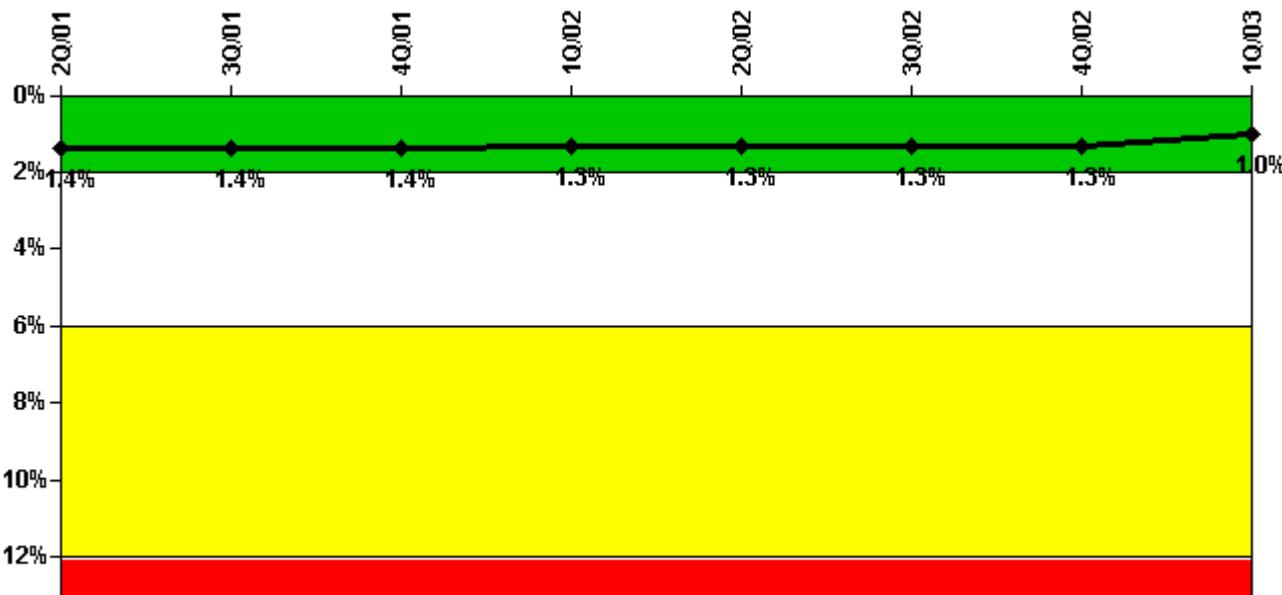
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	12.40	1.10	3.50	4.60	2.40	9.60	5.40	3.40
Unplanned unavailable hours	0.50	8.50	13.90	0	5.00	0	0	0
Fault exposure hours	0	14.90	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00
<b>Train 2</b>								
Planned unavailable hours	20.80	3.60	4.00	4.60	4.50	2.30	6.40	13.10
Unplanned unavailable hours	2.70	0	0	0	0	0	0	0
Fault exposure hours	44.30	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00
<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>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

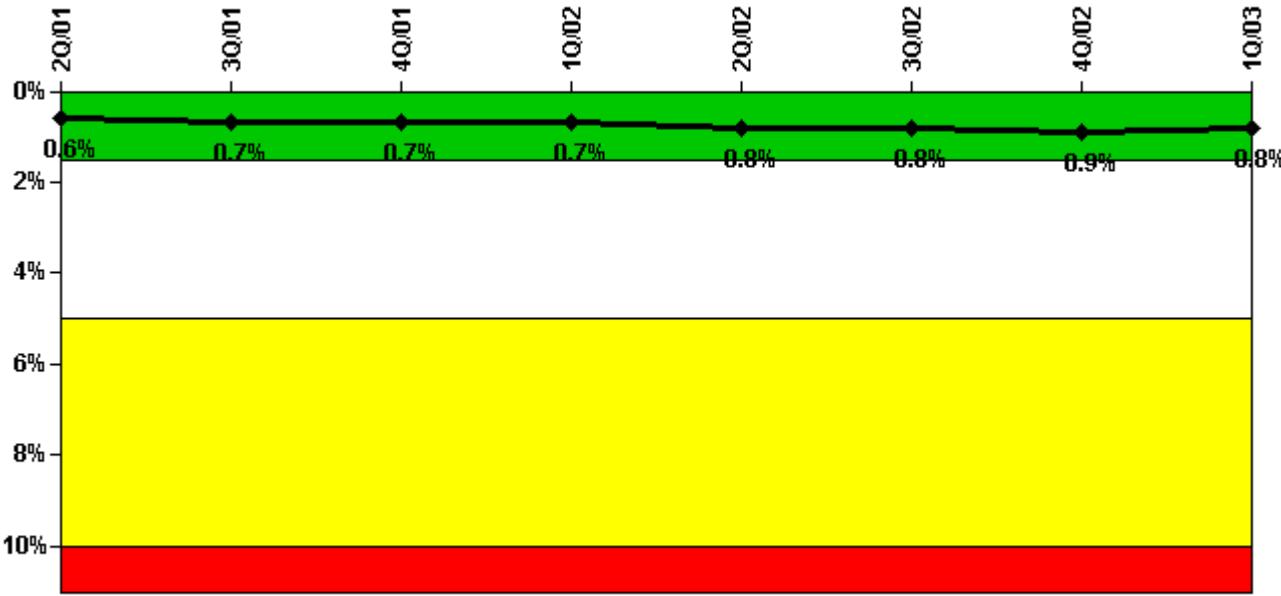
### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	12.40	1.10	3.90	5.00	2.40	10.10	5.40	3.96
Unplanned unavailable hours	0	8.50	0	0	5.00	0	0	0
Fault exposure hours	0	14.90	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00
<b>Train 2</b>								
Planned unavailable hours	20.80	3.50	4.70	4.90	5.10	2.80	9.40	11.91
Unplanned unavailable hours	2.70	0	0	0	0	0	0	2.53
Fault exposure hours	44.30	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00
<b>Train 3</b>								
Planned unavailable hours	0.50	0.50	0.60	0.50	5.40	3.20	2.80	2.73
Unplanned unavailable hours	0	0	0	0	0	0	0.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	360.60	0	0	0	0	0	0	0
Required hours	1262.30	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00
<b>Indicator value</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>

Licensee Comments: none

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### Safety System Unavailability, Residual Heat Removal System

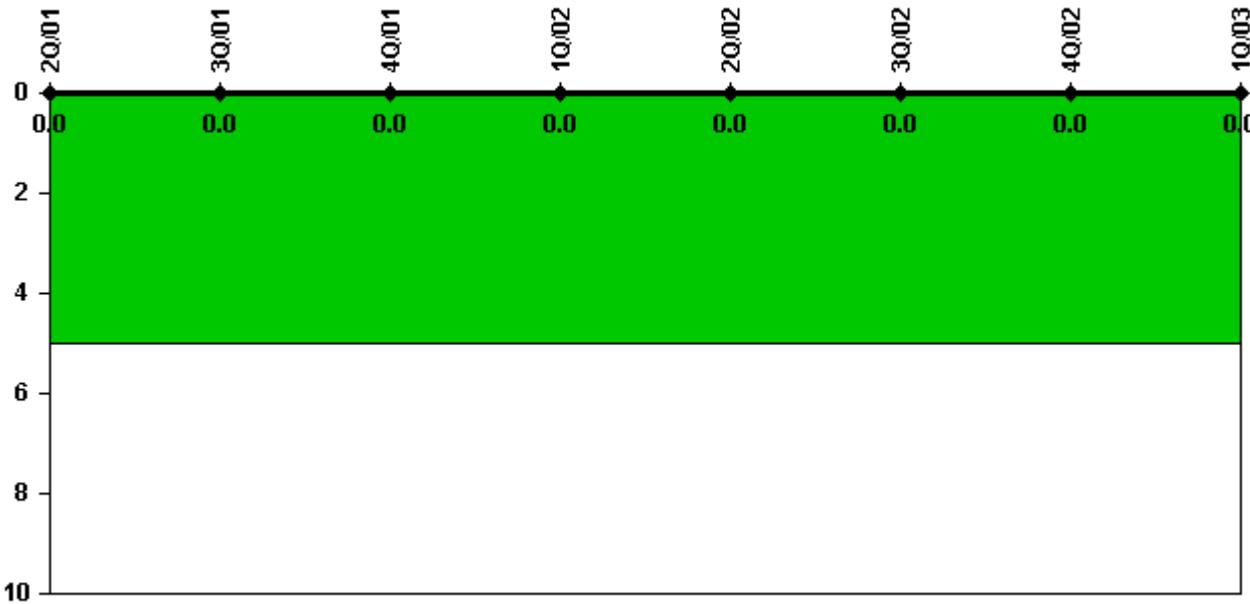


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	17.60	8.10	16.70	5.30	28.30	10.50	16.60	4.70
Unplanned unavailable hours	0.60	8.50	13.90	0	5.00	0	0	10.50
Fault exposure hours	0	14.90	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	25.60	4.10	6.80	5.40	17.30	6.60	12.60	13.60
Unplanned unavailable hours	2.70	0	0	0	0	0	0	0
Fault exposure hours	44.30	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>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

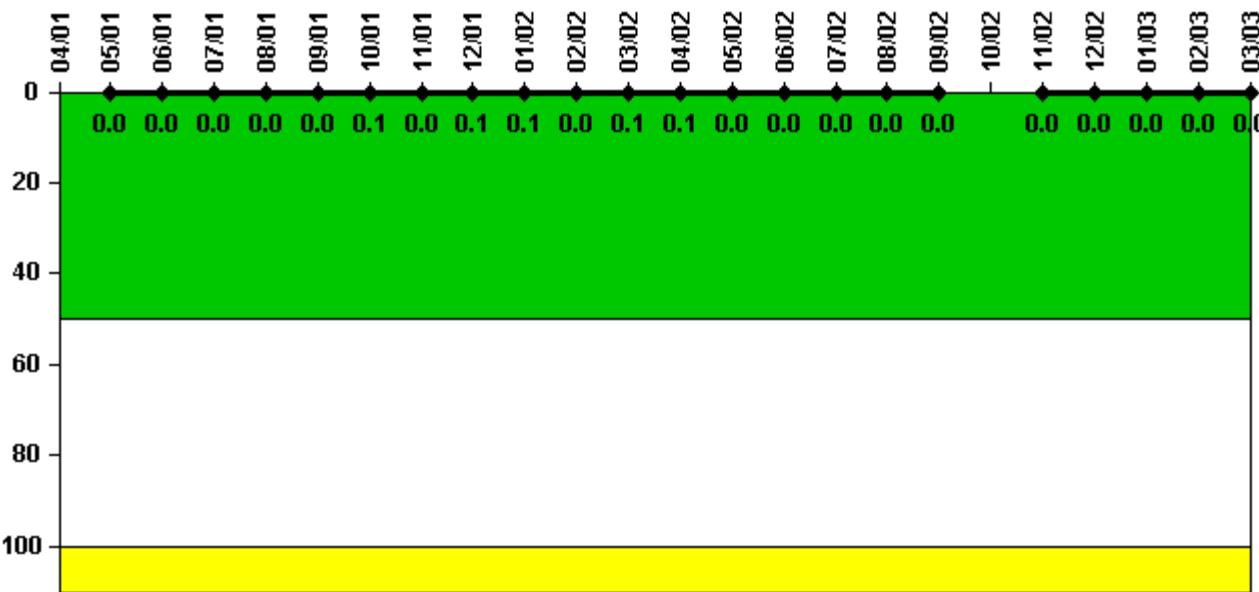
Thresholds: White > 5.0

**Notes**

Safety System Functional Failures (PWR)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
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

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

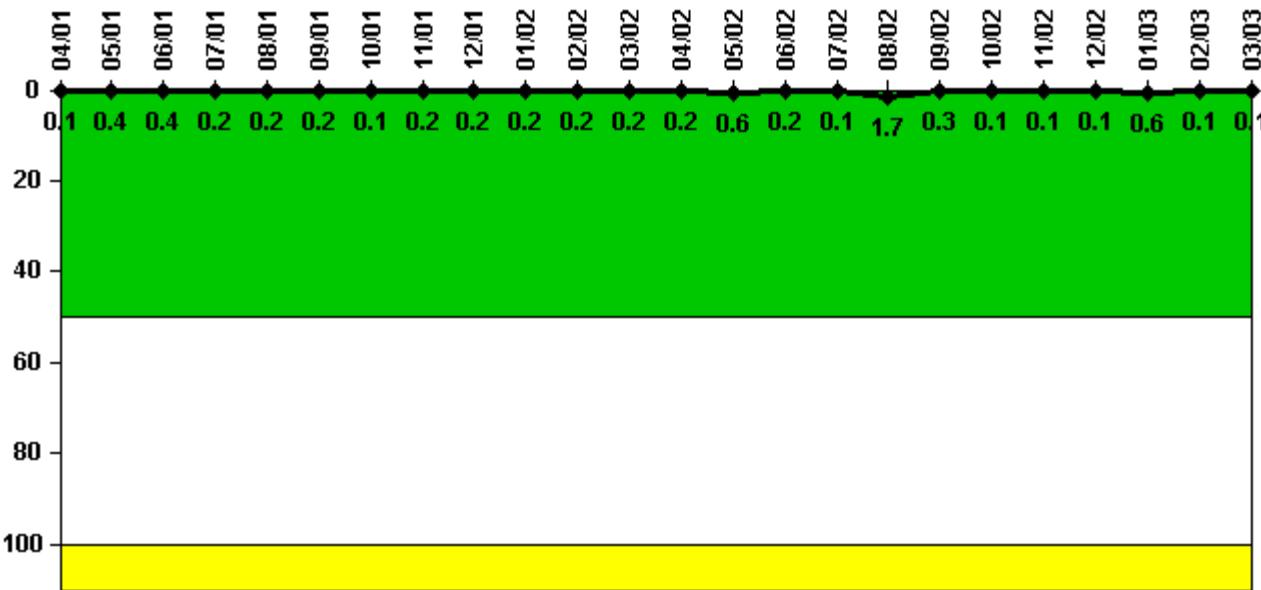
Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	N/A	0.000132	0.000164	0.000181	0.000207	0.000200	0.000439	0.000222	0.000251	0.000251	0.000245	0.000260
Technical specification limit	N/A	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	N/A	0	0	0	0	0	0.1	0	0.1	0.1	0	0.1

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	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172	N/A	0.000069	0.000065	0.000093	0.000095	0.000103
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

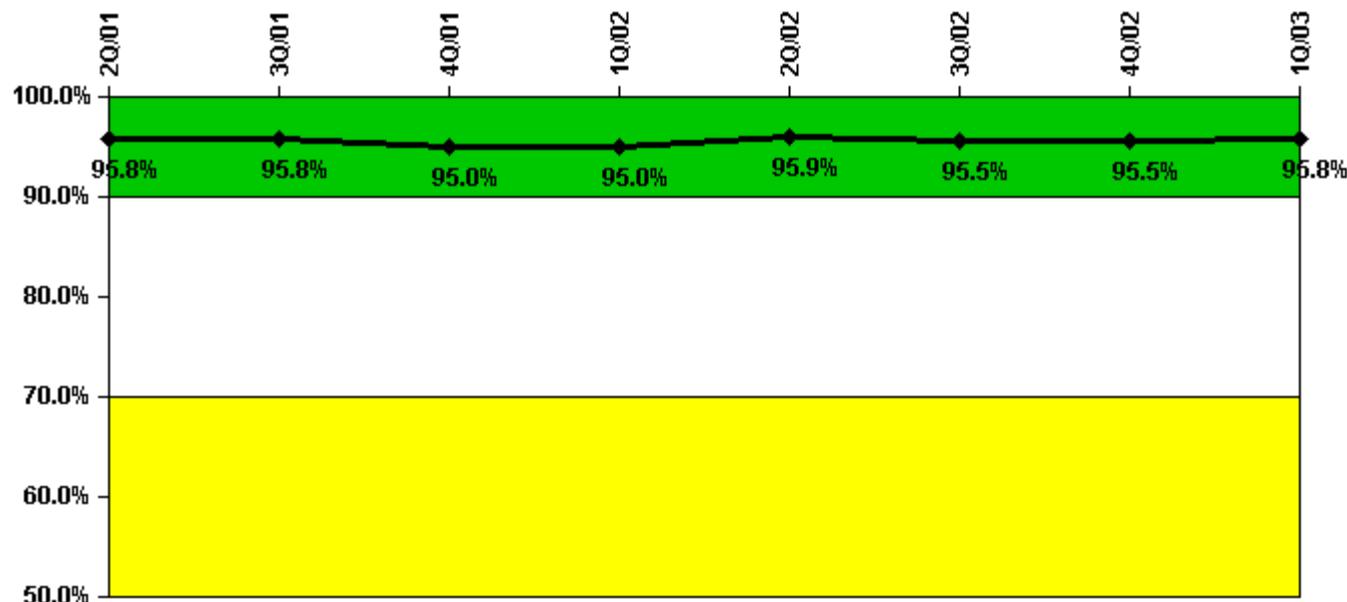


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	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	0.006	0.036	0.037	0.023	0.018	0.024	0.013	0.017	0.024	0.024	0.020	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2
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	0.018	0.058	0.024	0.012	0.170	0.033	0.010	0.011	0.012	0.060	0.012	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.6	0.2	0.1	1.7	0.3	0.1	0.1	0.1	0.6	0.1	0.1

Licensee Comments: none

**Drill/Exercise Performance**

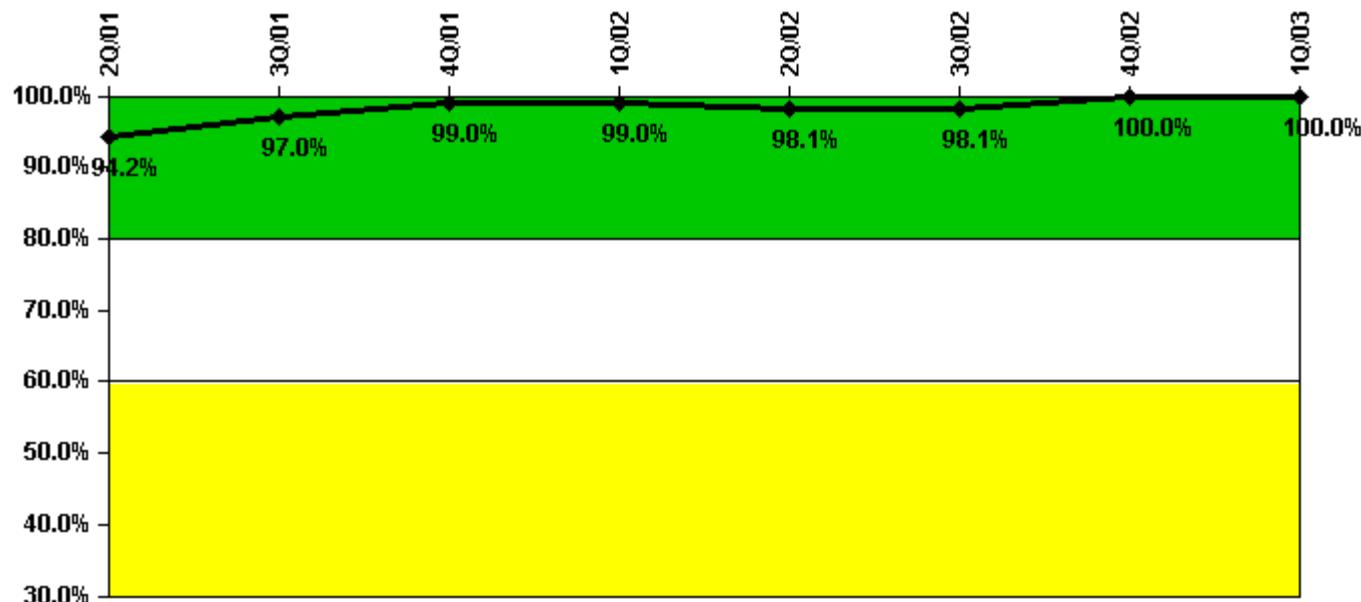
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	37.0	61.0	38.0	6.0	79.0	56.0	8.0	8.0
Total opportunities	38.0	64.0	42.0	6.0	82.0	58.0	8.0	8.0
Indicator value	95.8%	95.8%	95.0%	95.0%	95.9%	95.5%	95.5%	95.8%

Licensee Comments: none

### **ERO Drill Participation**



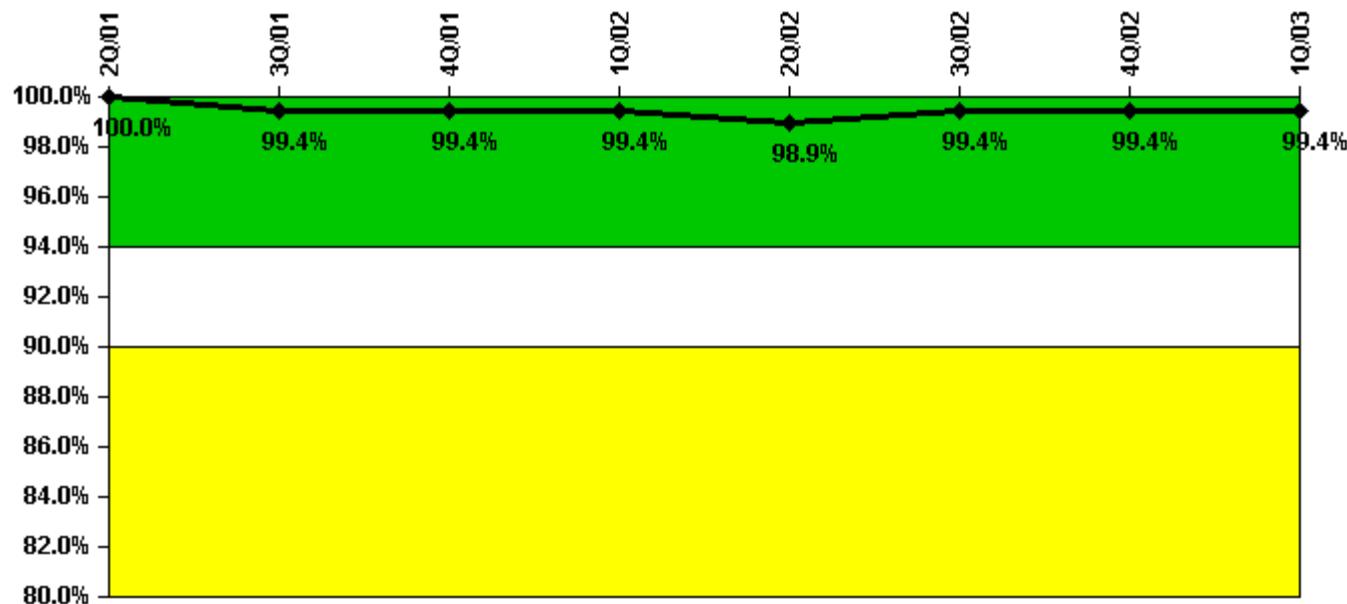
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</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>
Participating Key personnel	97.0	97.0	99.0	102.0	106.0	101.0	104.0	102.0
Total Key personnel	103.0	100.0	100.0	103.0	108.0	103.0	104.0	102.0
<b>Indicator value</b>	<b>94.2%</b>	<b>97.0%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.1%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System

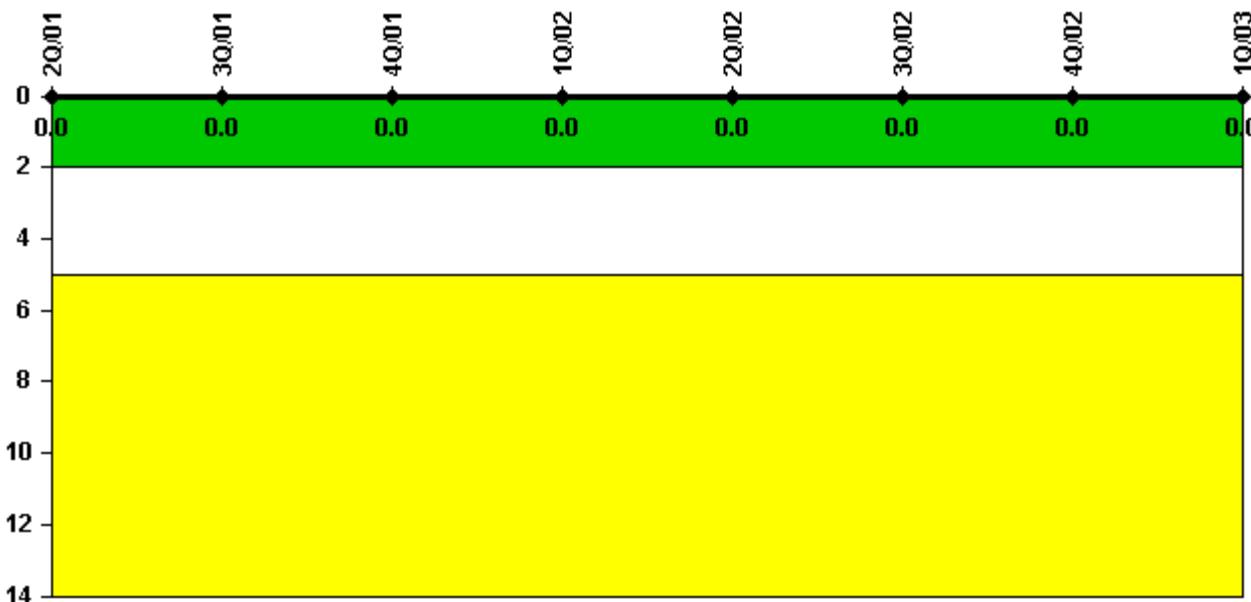


Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	45	41	45	42	44	45	42	48
Total sirens-tests	45	42	45	42	45	45	42	48
Indicator value	100.0%	99.4%	99.4%	99.4%	98.9%	99.4%	99.4%	99.4%

Licensee Comments: none

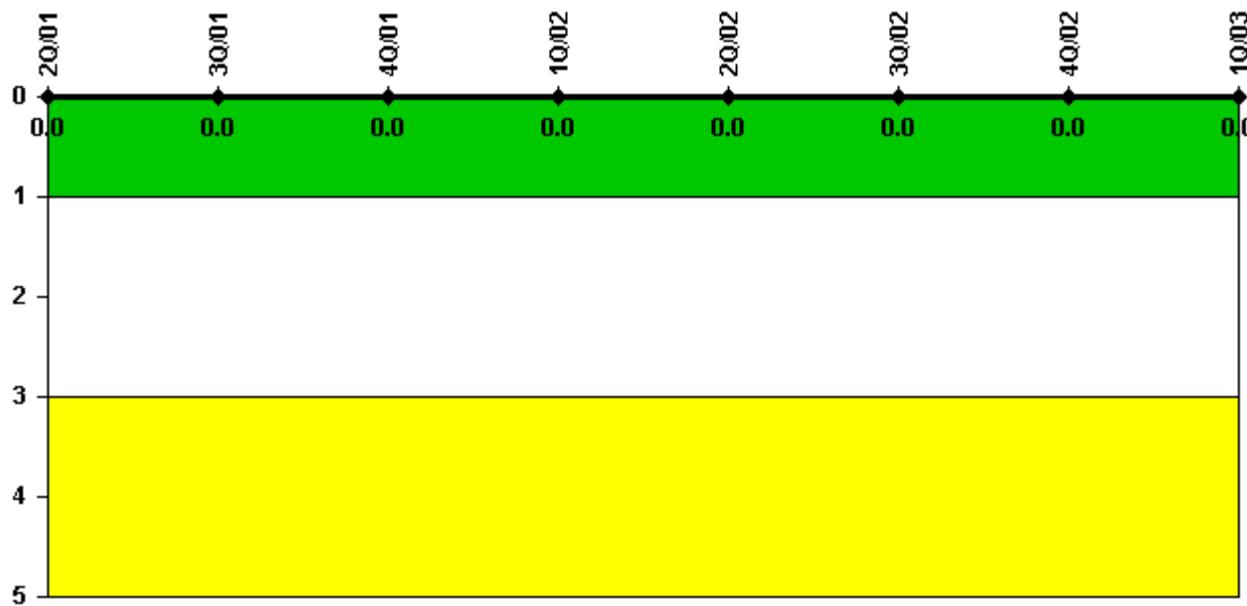
**Occupational Exposure Control Effectiveness**

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>0</b>							

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

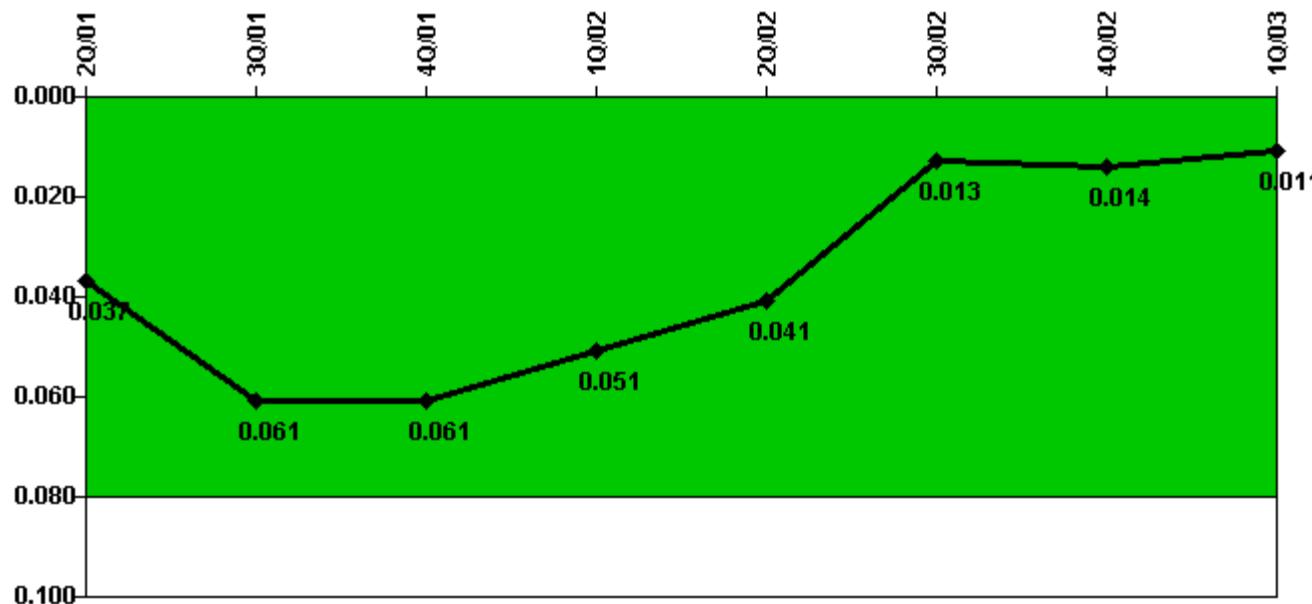
Thresholds: White > 1.0 Yellow > 3.0

**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

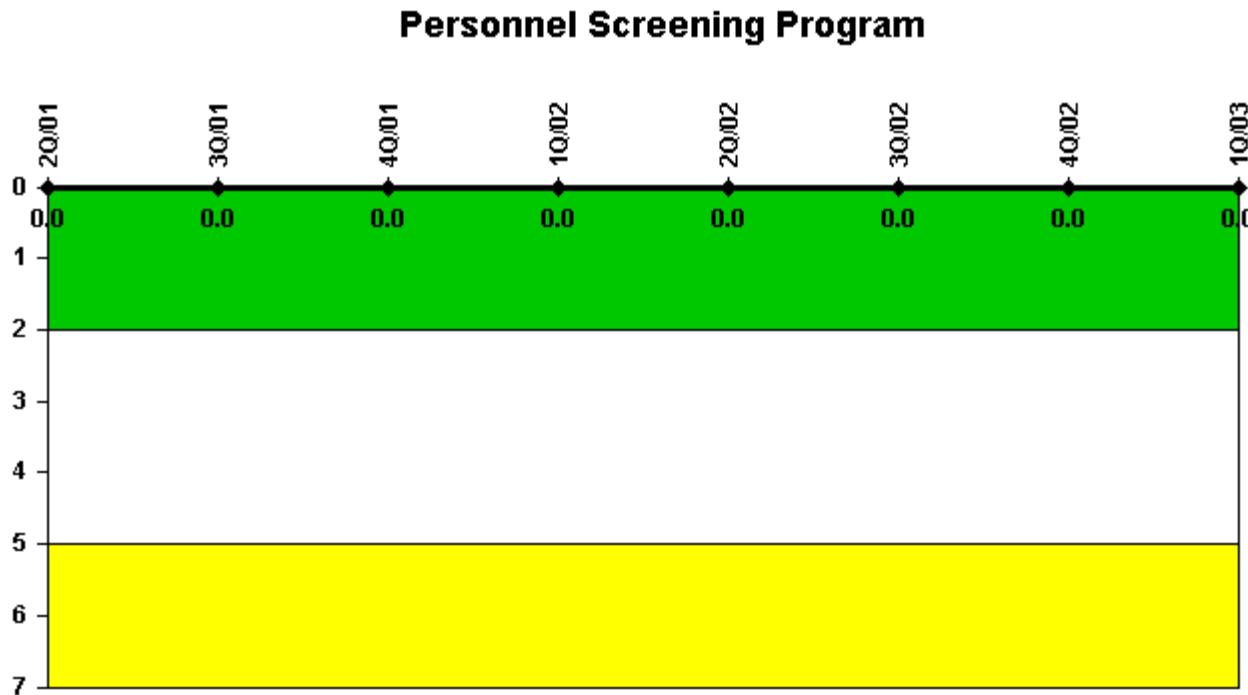


Thresholds: White > 0.080

#### 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	70.80	71.96	44.90	82.60	104.00	27.90	110.90	15.60
CCTV compensatory hours	216.4	475.5	20.5	18.9	29.8	12.0	0.1	1.9
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.037</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>	<b>0.011</b>

Licensee Comments: none

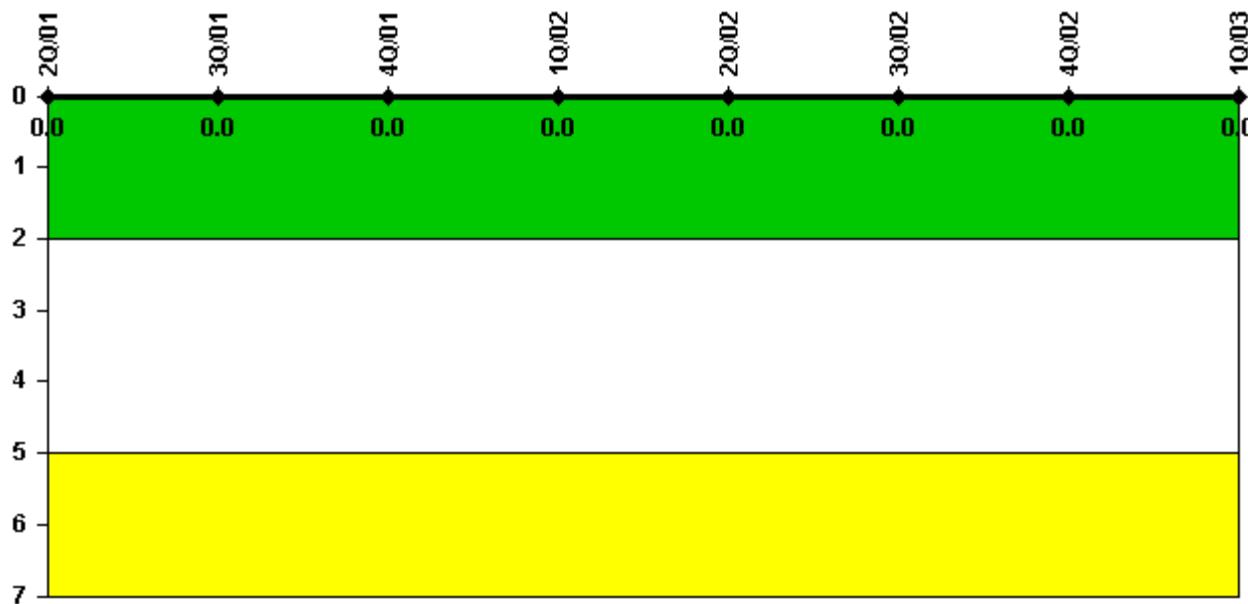


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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



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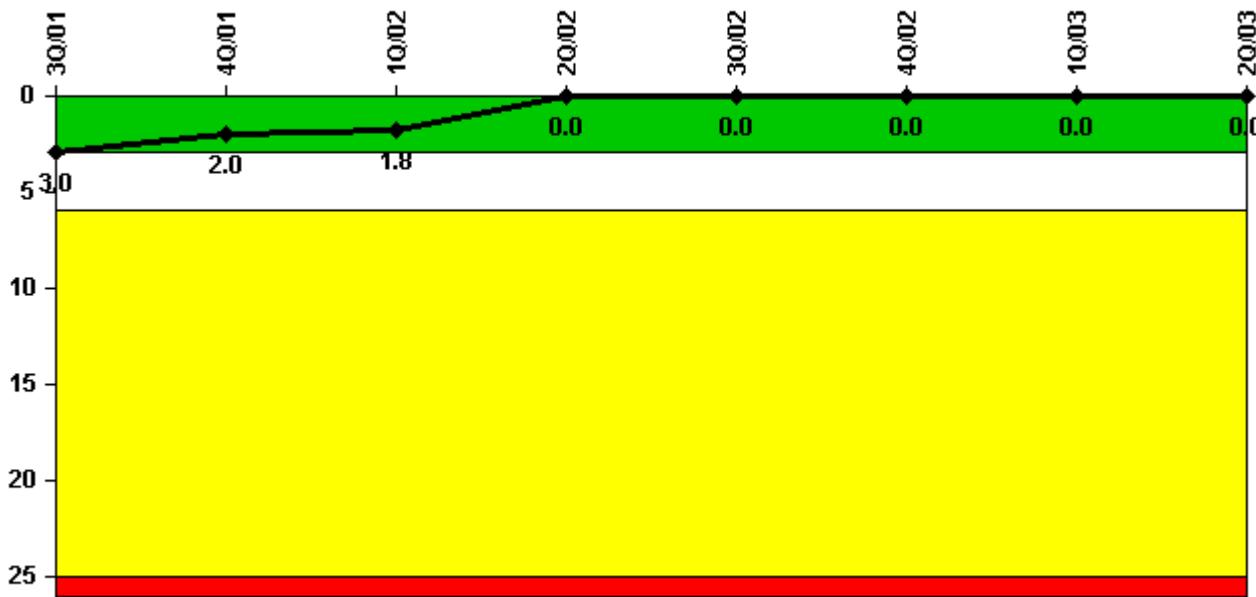
Last Modified: April 22, 2003

## Farley 2

### 2Q/2003 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs

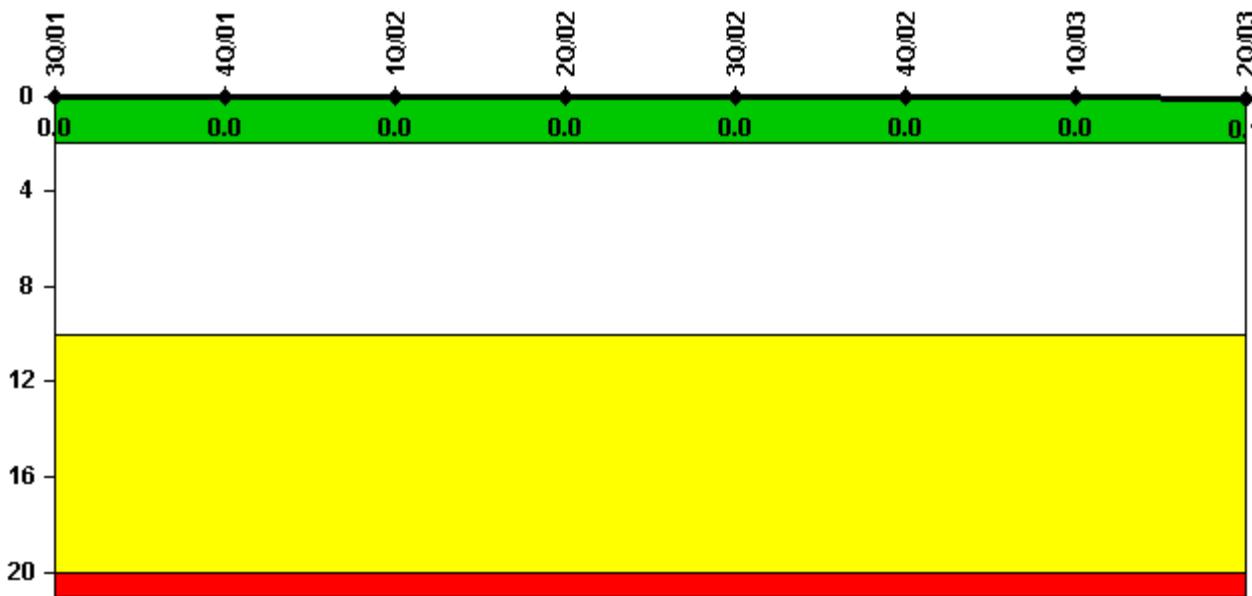


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0
Indicator value	3.0	2.0	1.8	0	0	0	0	0

Licensee Comments: none

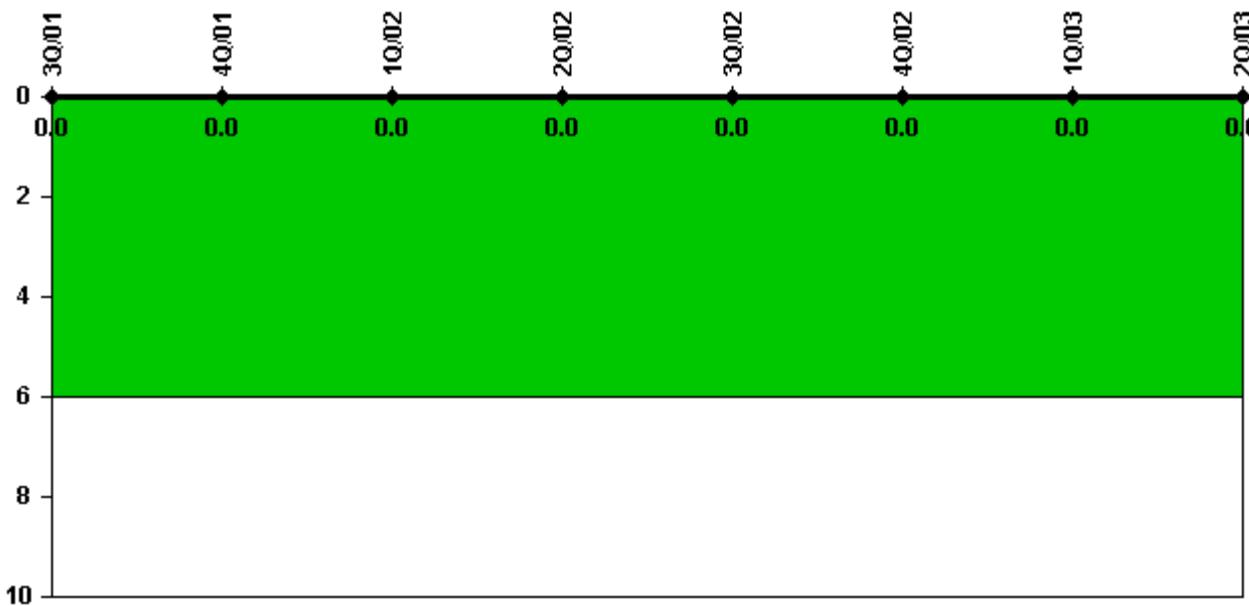
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0.1
Indicator value	0	0	0	0	0	0	0	0.1

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

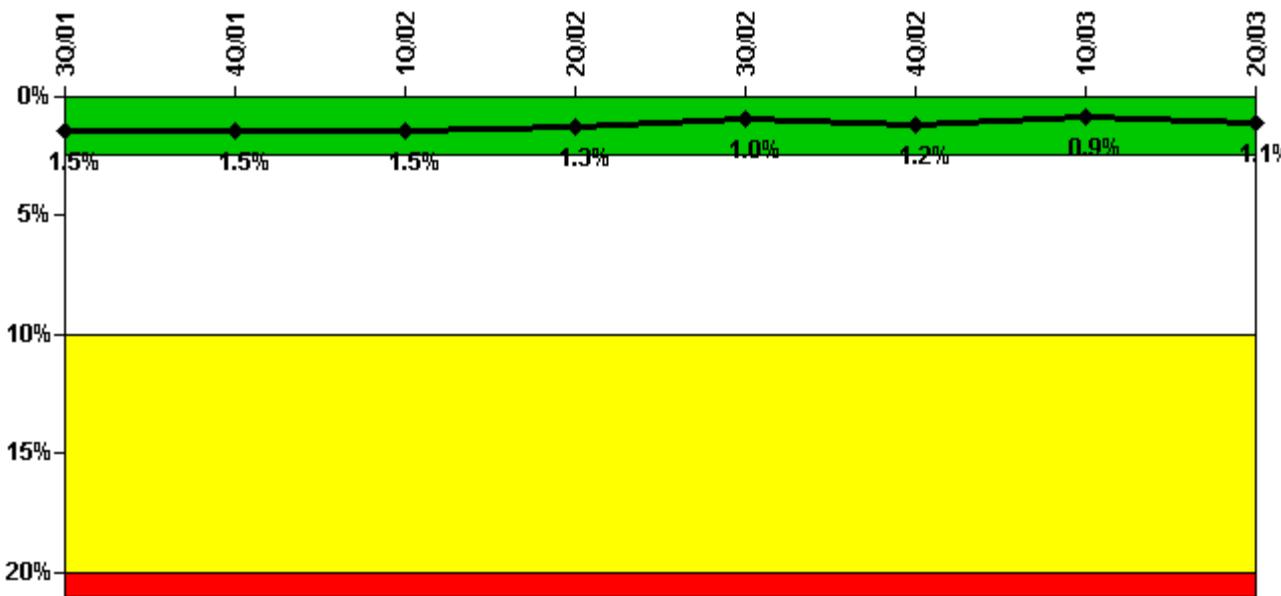
Thresholds: White > 6.0

**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	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



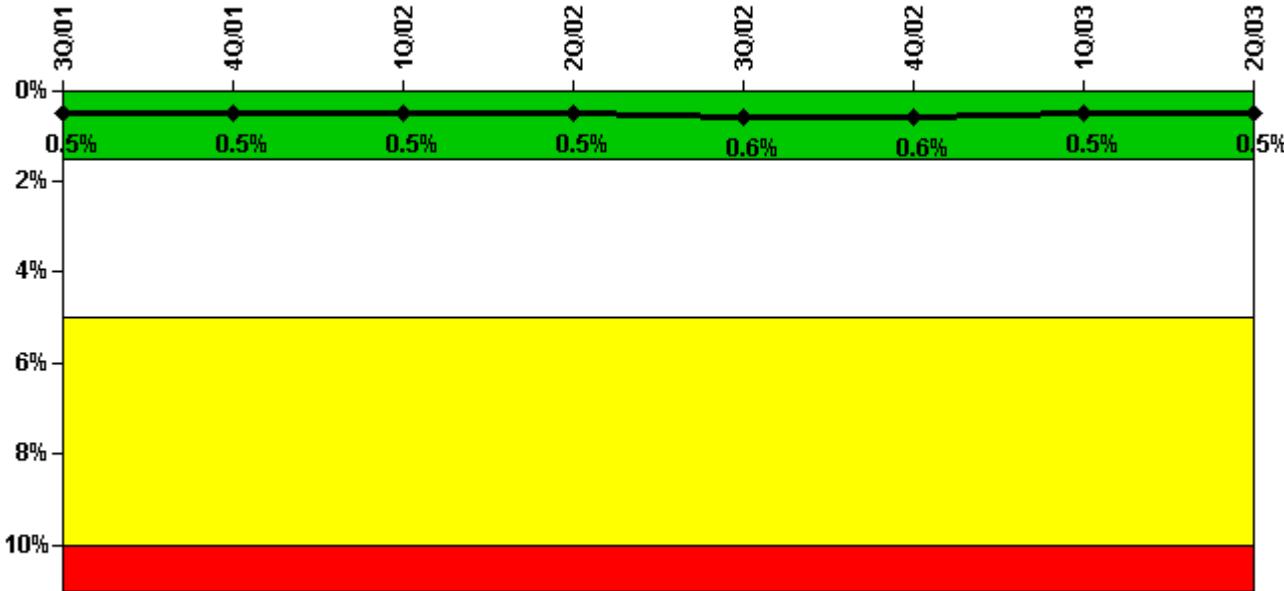
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	19.60	5.70	0.50	14.50	10.50	6.60	0.97	125.40
Unplanned unavailable hours	0	0	0	0	0	101.90	0	1.40
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	11.10	1.60	20.60	14.10	15.10	0.25	0.30
Unplanned unavailable hours	0	0	0	0	8.00	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	0.20	0.80	13.70	13.20	7.80	0.20	0.25	7.40
Unplanned unavailable hours	0	0	0	5.10	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>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>

Licensee Comments: none

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



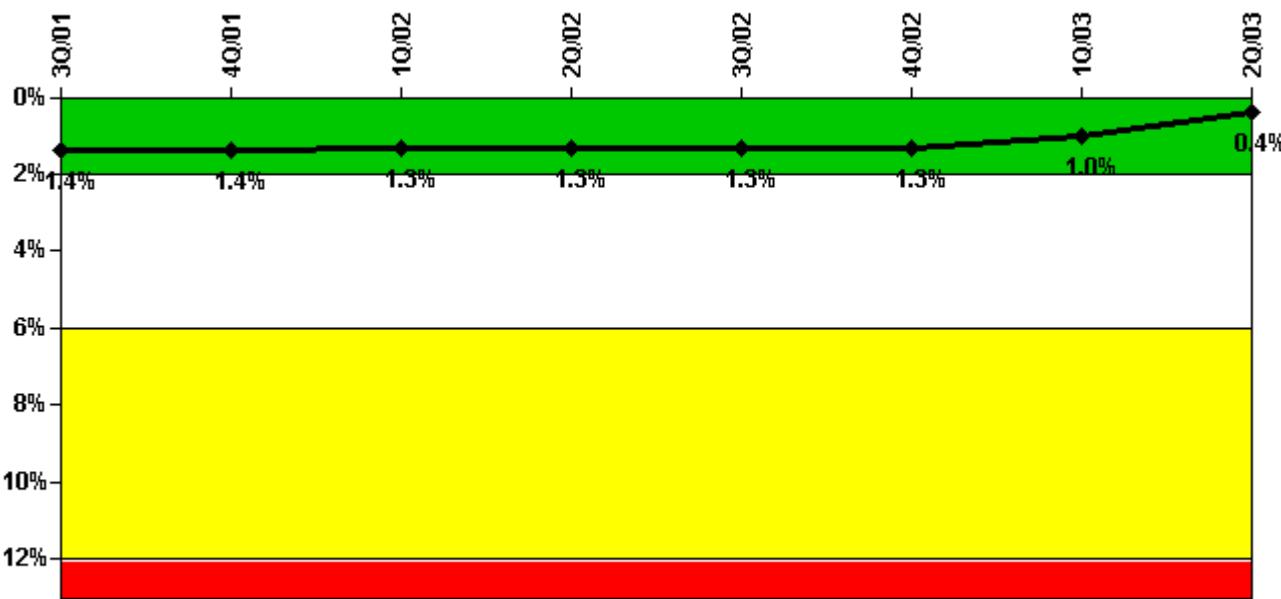
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	1.10	3.50	4.60	2.40	9.60	5.40	3.40	5.40
Unplanned unavailable hours	8.50	13.90	0	5.00	0	0	0	0
Fault exposure hours	14.90	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	1801.10	1558.60	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	3.60	4.00	4.60	4.50	2.30	6.40	13.10	1.50
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	2208.00	2209.00	2160.00	2183.00	1801.10	1558.60	2160.00	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>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

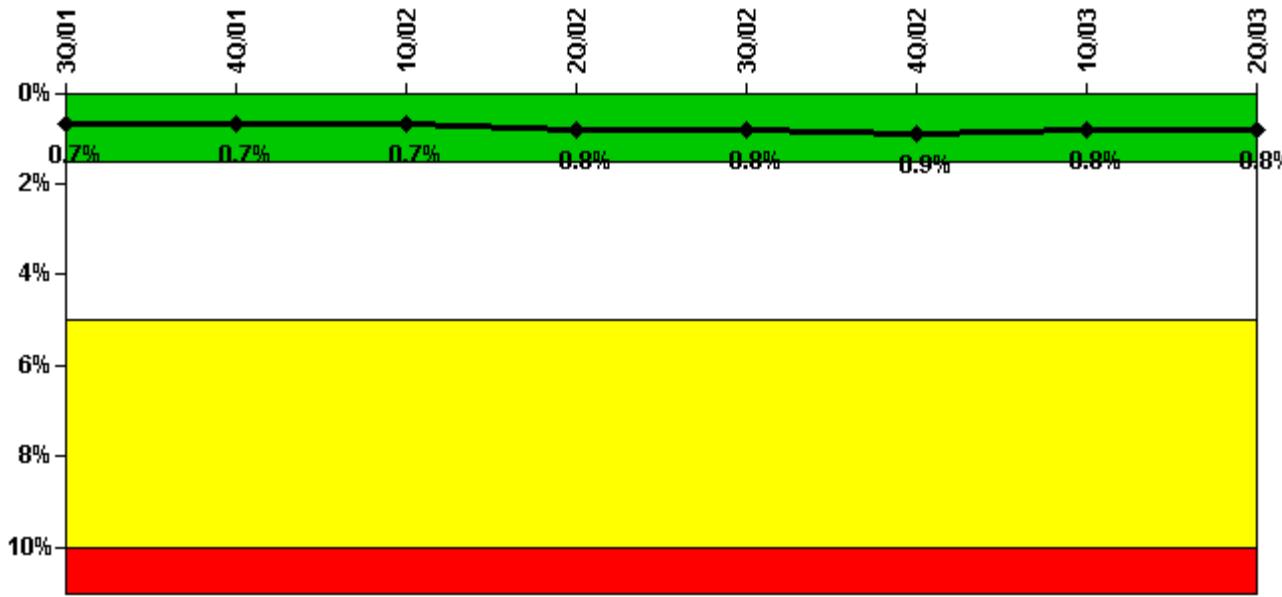
<b>Safety System Unavailability, Heat Removal System (AFW)</b>		<b>3Q/01</b>	<b>4Q/01</b>	<b>1Q/02</b>	<b>2Q/02</b>	<b>3Q/02</b>	<b>4Q/02</b>	<b>1Q/03</b>	<b>2Q/03</b>
<b>Train 1</b>									
Planned unavailable hours		1.10	3.90	5.00	2.40	10.10	5.40	3.96	5.40
Unplanned unavailable hours		8.50	0	0	5.00	0	0	0	0
Fault exposure hours		14.90	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	1801.10	1558.60	2160.00	2183.00
<b>Train 2</b>									
Planned unavailable hours		3.50	4.70	4.90	5.10	2.80	9.40	11.91	1.50
Unplanned unavailable hours		0	0	0	0	0	0	1.50	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	1801.10	1558.60	2160.00	2183.00
<b>Train 3</b>									
Planned unavailable hours		0.50	0.60	0.50	5.40	3.20	2.80	2.73	2.60
Unplanned unavailable hours		0	0	0	0	0	0.40	0	37.50
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	1801.10	1558.60	2160.00	2183.00
<b>Indicator value</b>		<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.4%</b>

## Licensee Comments:

1Q/03: Changed Train 2 March Unplanned Unavailability from 2.5 hours to 1.5 hours to correct a double count.  
Color unaffected.

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



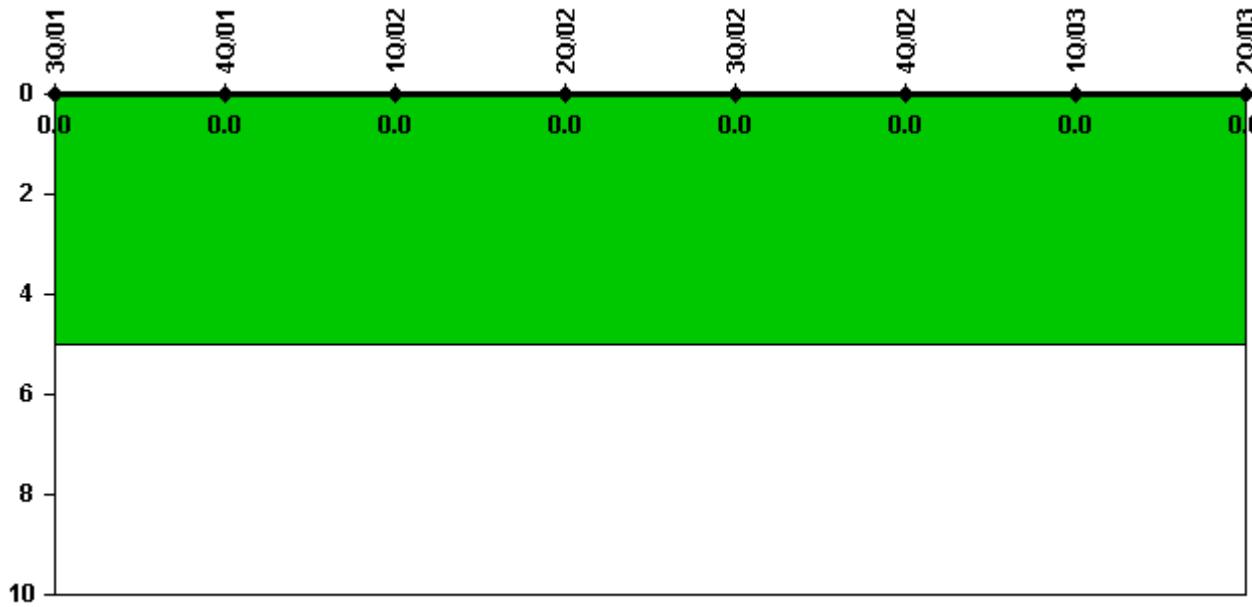
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### **Notes**

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	8.10	16.70	5.30	28.30	10.50	16.60	4.70	21.90
Unplanned unavailable hours	8.50	13.90	0	5.00	0	0	10.50	0
Fault exposure hours	14.90	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	4.10	6.80	5.40	17.30	6.60	12.60	13.60	13.00
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>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



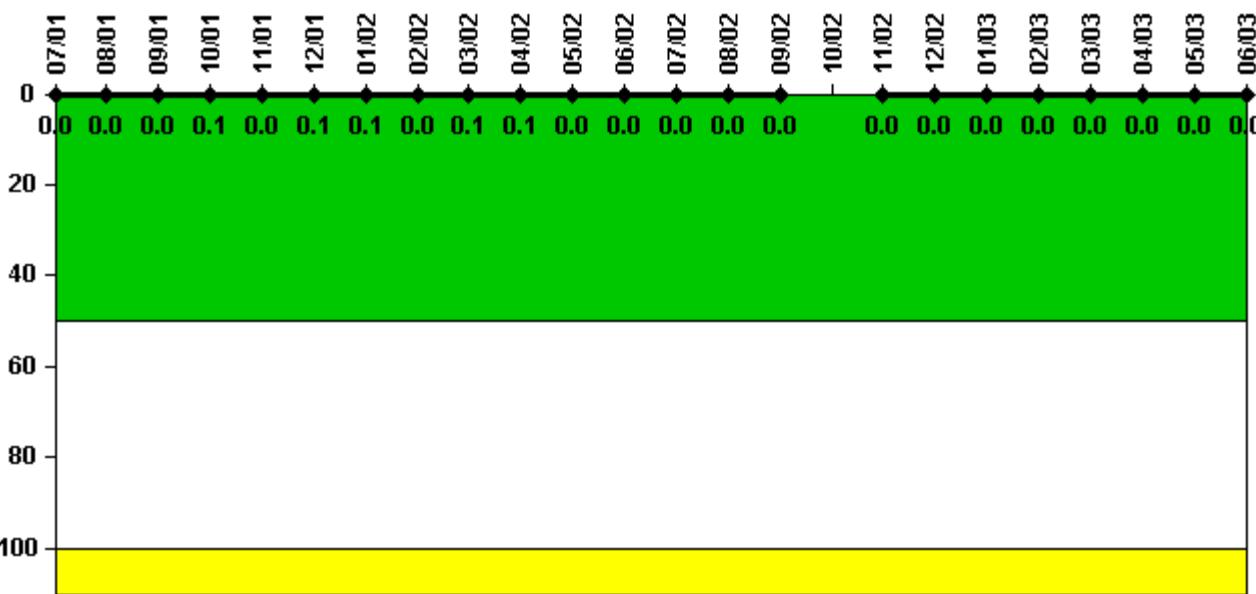
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	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	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

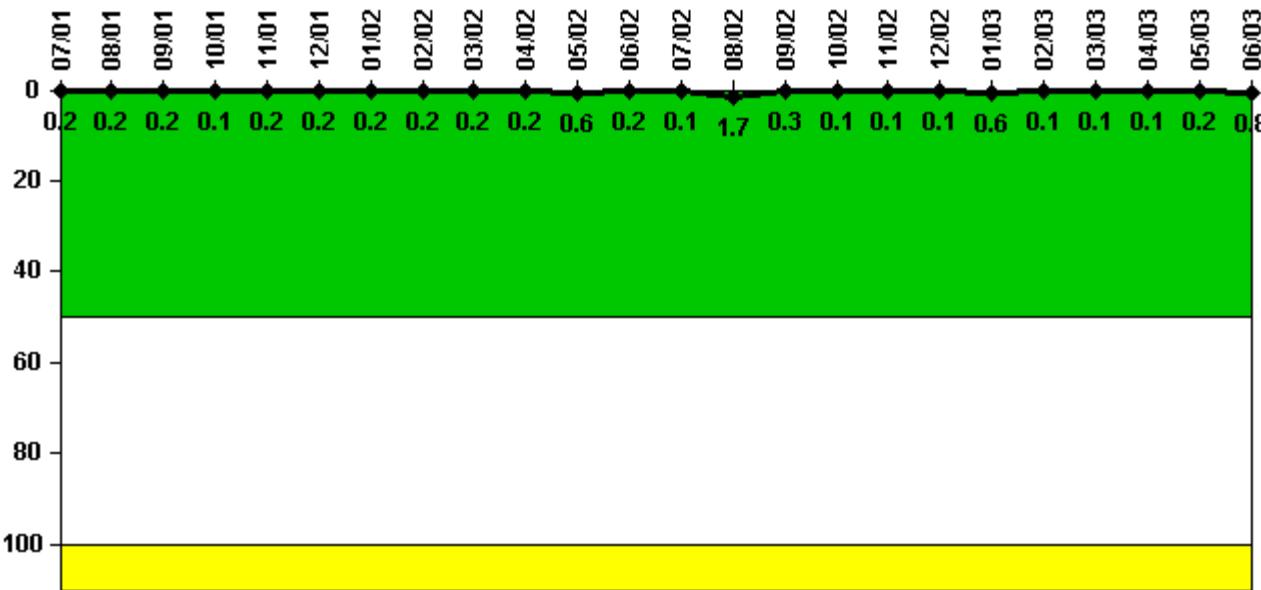
Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000181	0.000207	0.000200	0.000439	0.000222	0.000251	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0.1	0	0.1	0.1	0	0.1	0.1	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	0.000127	0.000168	0.000172	N/A	0.000069	0.000065	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

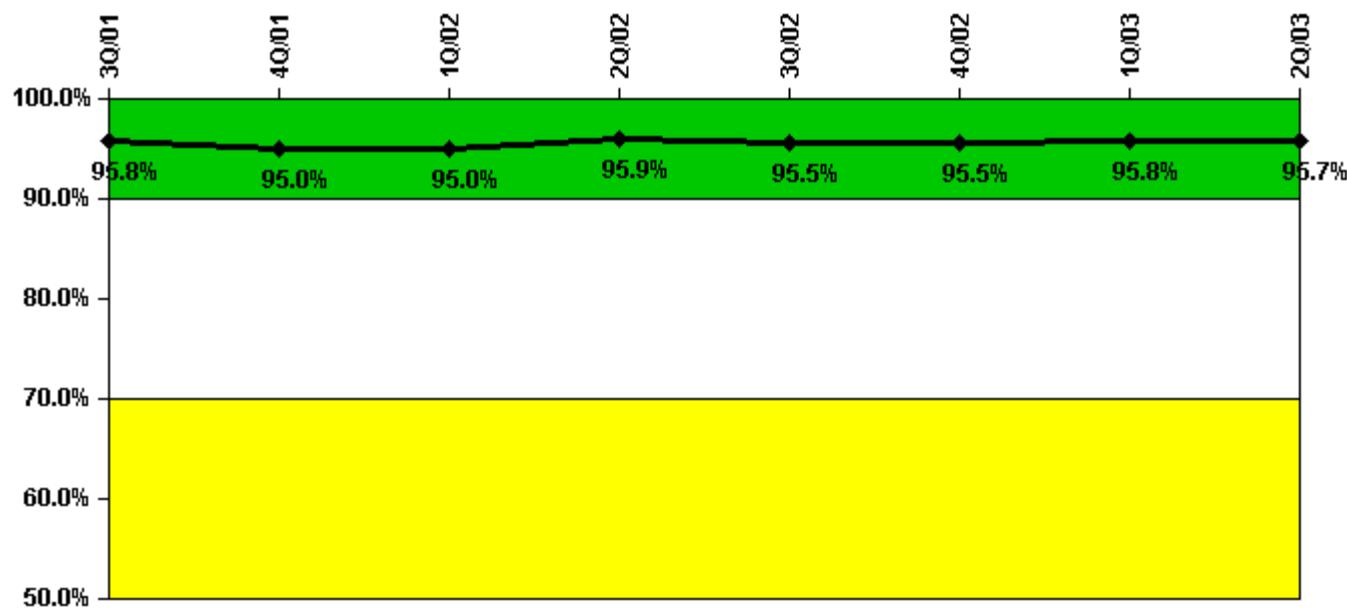


Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	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	0.023	0.018	0.024	0.013	0.017	0.024	0.024	0.020	0.015	0.018	0.058	0.024
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2
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	0.012	0.170	0.033	0.010	0.011	0.012	0.060	0.012	0.012	0.012	0.017	0.079
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	1.7	0.3	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.2	0.8

Licensee Comments: none

**Drill/Exercise Performance**

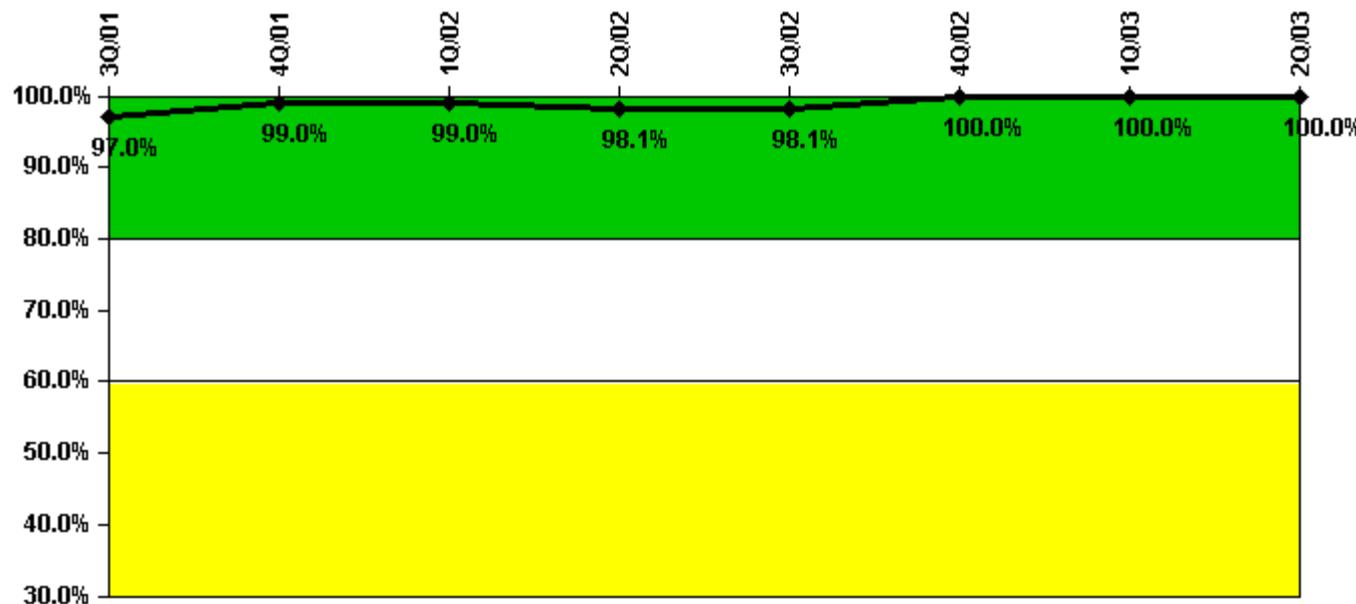
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	61.0	38.0	6.0	79.0	56.0	8.0	8.0	8.0
Total opportunities	64.0	42.0	6.0	82.0	58.0	8.0	8.0	8.0
Indicator value	95.8%	95.0%	95.0%	95.9%	95.5%	95.5%	95.8%	95.7%

Licensee Comments: none

### **ERO Drill Participation**

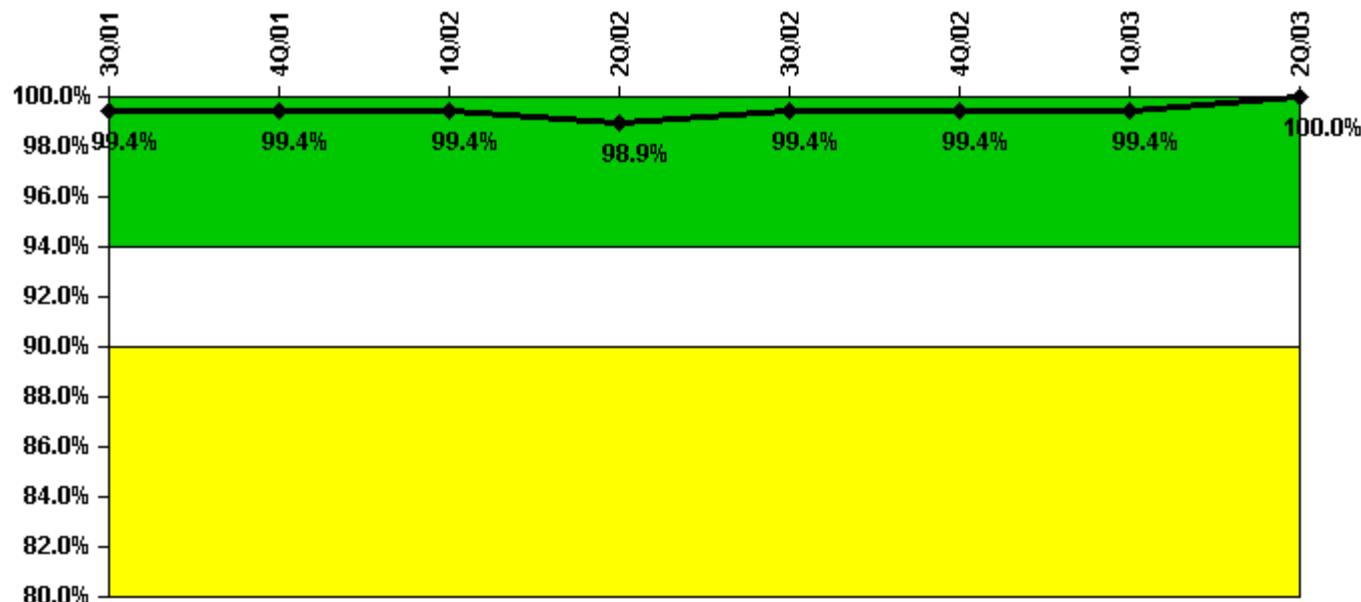


Thresholds: White < 80.0% Yellow < 60.0%

#### **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	97.0	99.0	102.0	106.0	101.0	104.0	102.0	101.0
Total Key personnel	100.0	100.0	103.0	108.0	103.0	104.0	102.0	101.0
<b>Indicator value</b>	<b>97.0%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.1%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

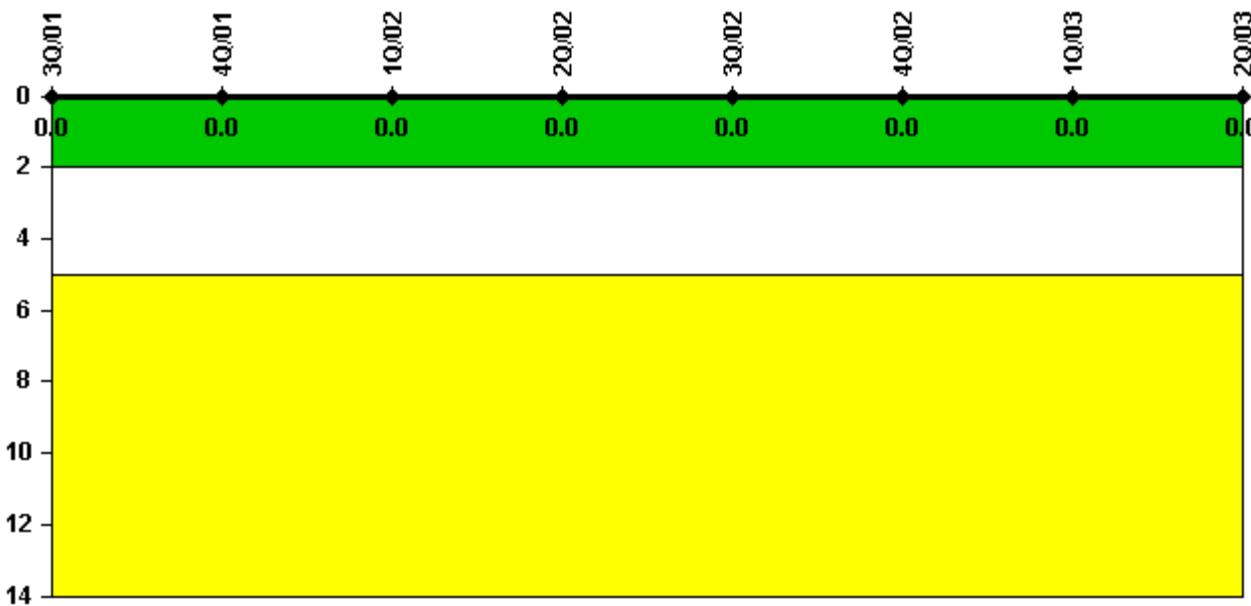
**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

**Notes**

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	41	45	42	44	45	42	48	45
Total sirens-tests	42	45	42	45	45	42	48	45
Indicator value	99.4%	99.4%	99.4%	98.9%	99.4%	99.4%	99.4%	100.0%

Licensee Comments: none

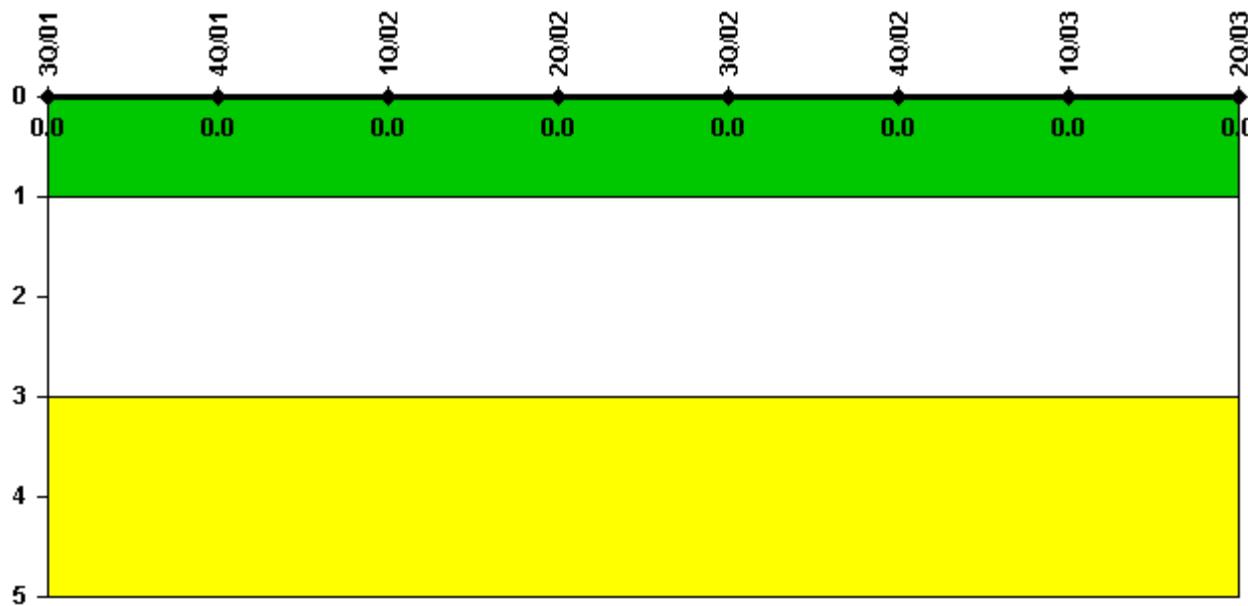
**Occupational Exposure Control Effectiveness**

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**

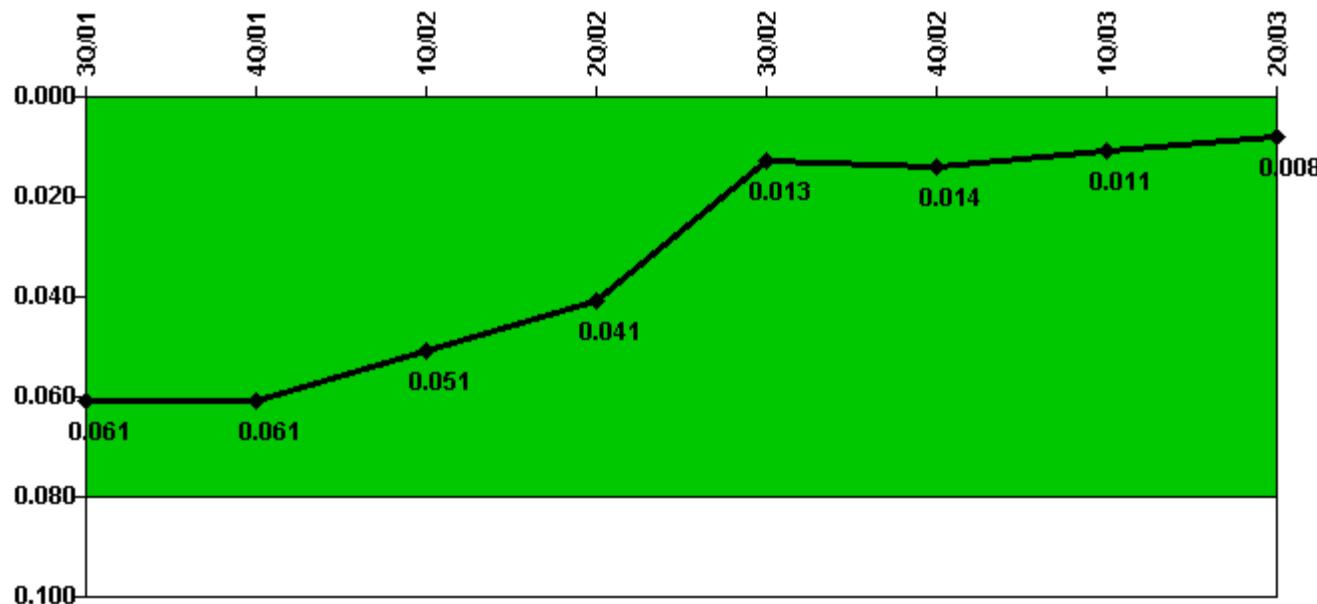
Thresholds: White > 1.0 Yellow > 3.0

**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

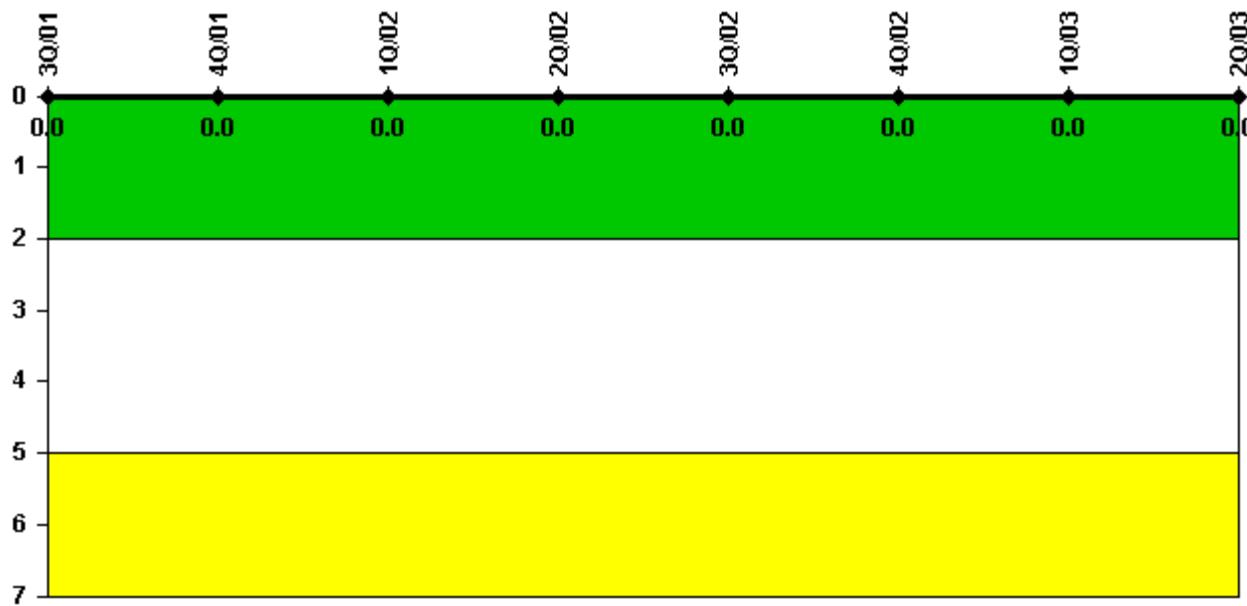


Thresholds: White > 0.080

#### 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	71.96	44.90	82.60	104.00	27.90	110.90	15.60	73.13
CCTV compensatory hours	475.5	20.5	18.9	29.8	12.0	0.1	1.9	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.061</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>	<b>0.011</b>	<b>0.008</b>

Licensee Comments: none

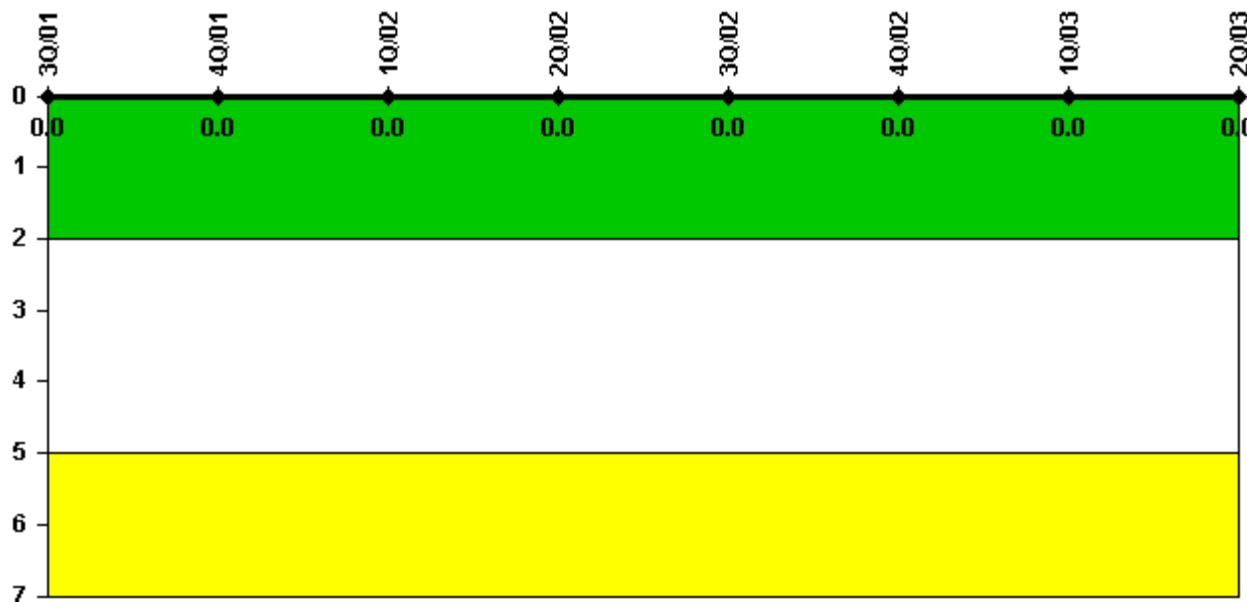
**Personnel Screening Program**

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	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	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



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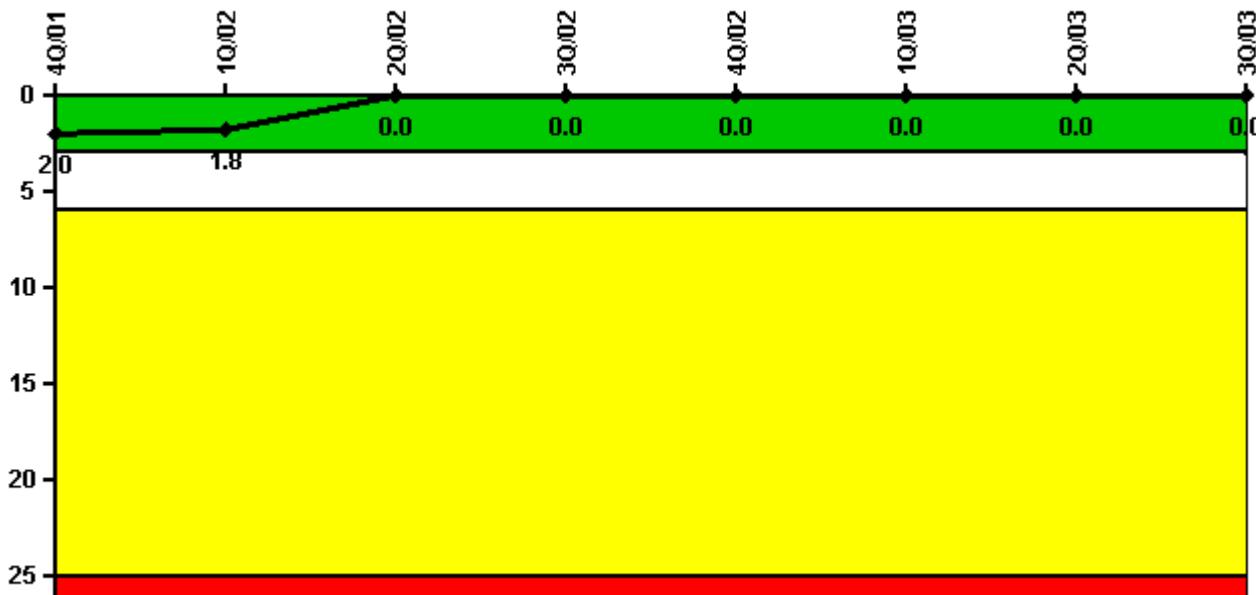
Last Modified: July 22, 2003

## Farley 2

### 3Q/2003 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



#### 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	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0
Indicator value	2.0	1.8	0	0	0	0	0	0

Licensee Comments: none

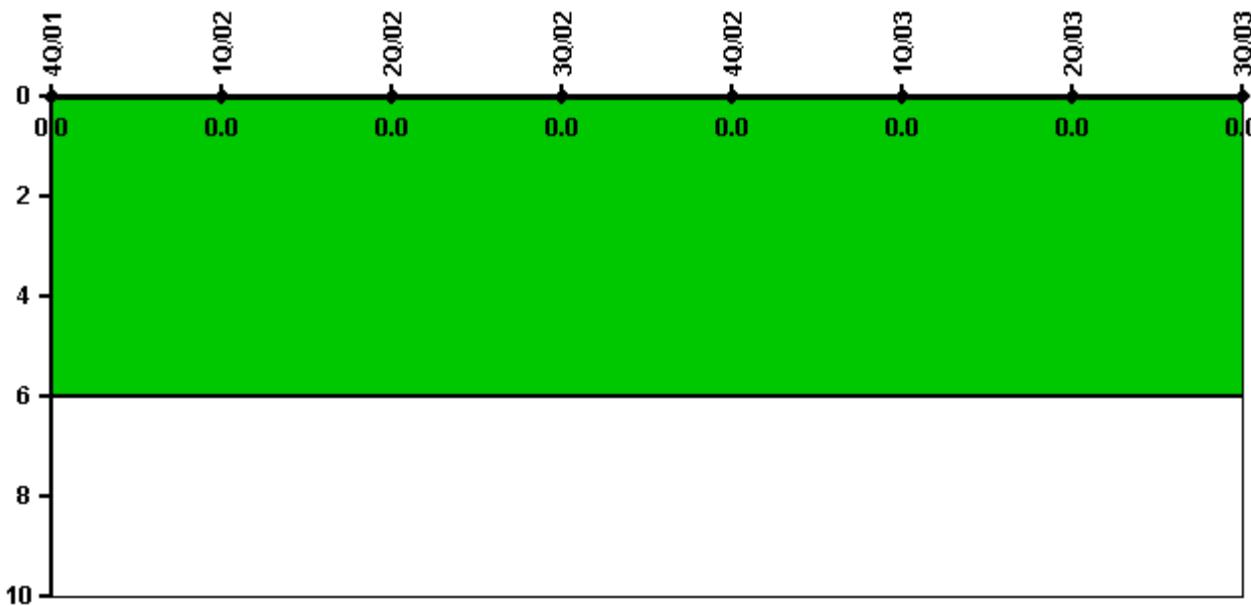
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	0.1	0
Indicator value	0	0	0	0	0	0	0.1	0.1

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

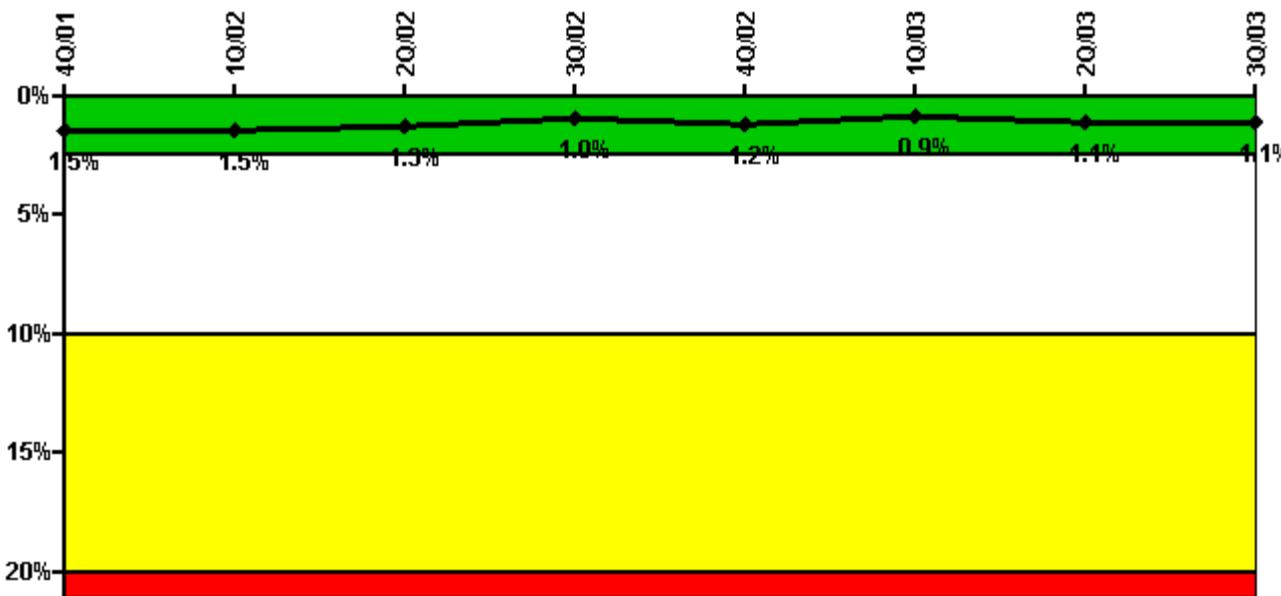
Thresholds: White > 6.0

**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	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



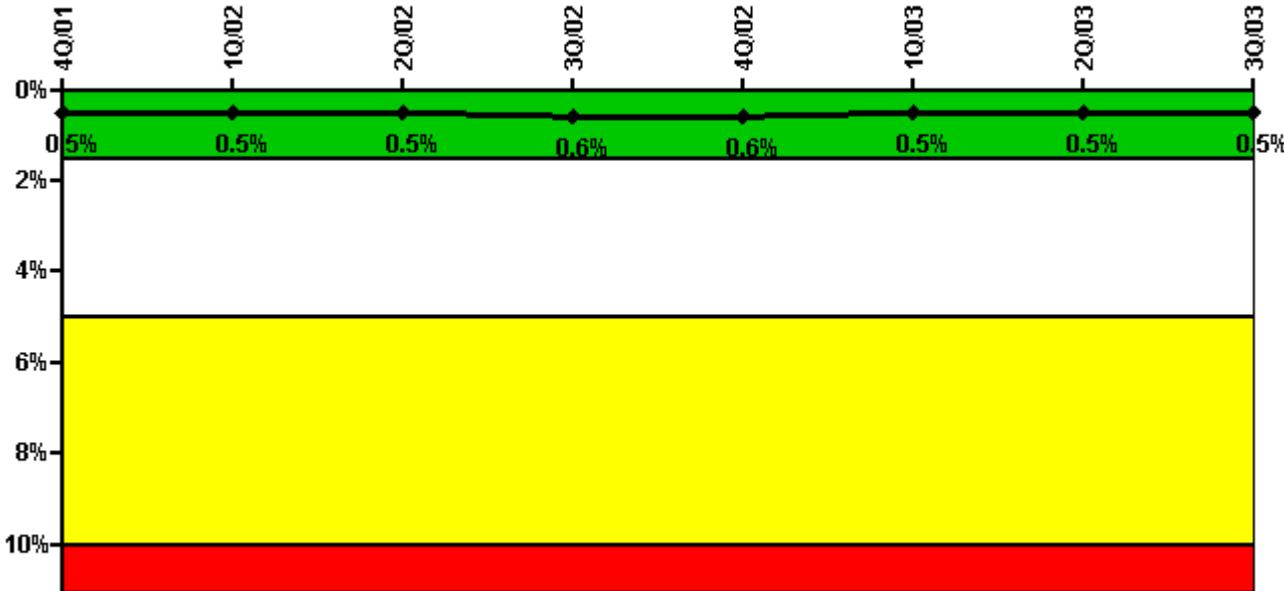
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	5.70	0.50	14.50	10.50	6.60	0.97	125.40	26.10
Unplanned unavailable hours	0	0	0	0	101.90	0	1.40	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	11.10	1.60	20.60	14.10	15.10	0.25	0.30	106.20
Unplanned unavailable hours	0	0	0	8.00	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	0.80	13.70	13.20	7.80	0.20	0.25	7.40	10.20
Unplanned unavailable hours	0	0	5.10	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>1.5%</b>	<b>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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



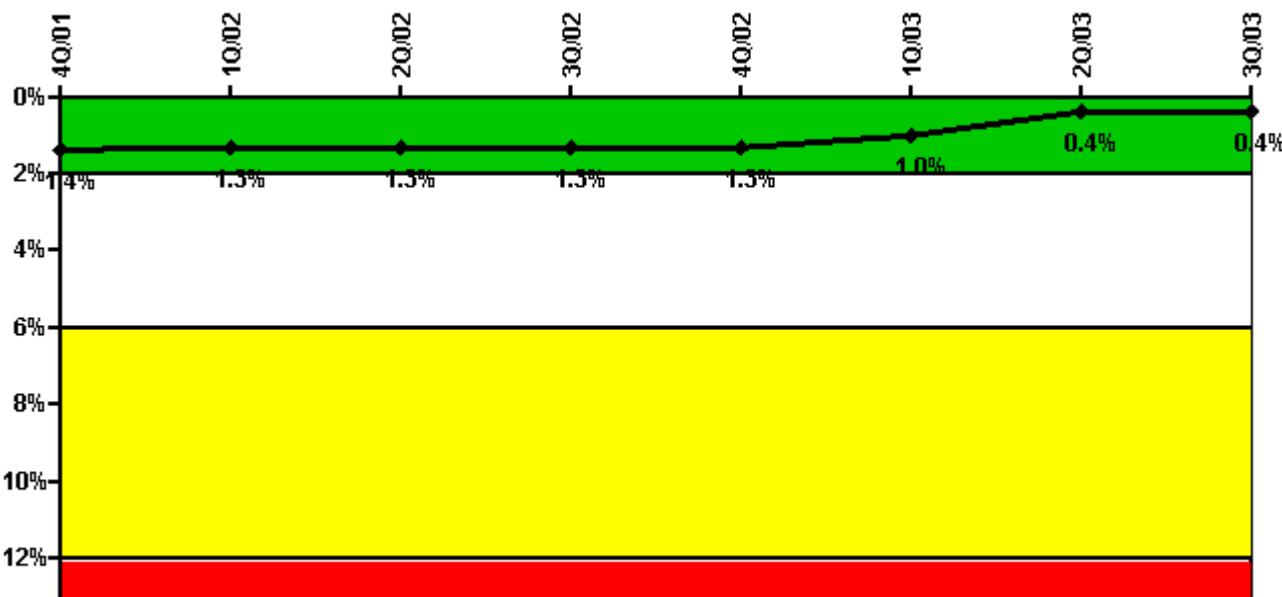
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>									
Planned unavailable hours		3.50	4.60	2.40	9.60	5.40	3.40	5.40	3.10
Unplanned unavailable hours		13.90	0	5.00	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	1801.10	1558.60	2160.00	2183.00	2208.00
<b>Train 2</b>									
Planned unavailable hours		4.00	4.60	4.50	2.30	6.40	13.10	1.50	3.90
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	1801.10	1558.60	2160.00	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>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

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



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

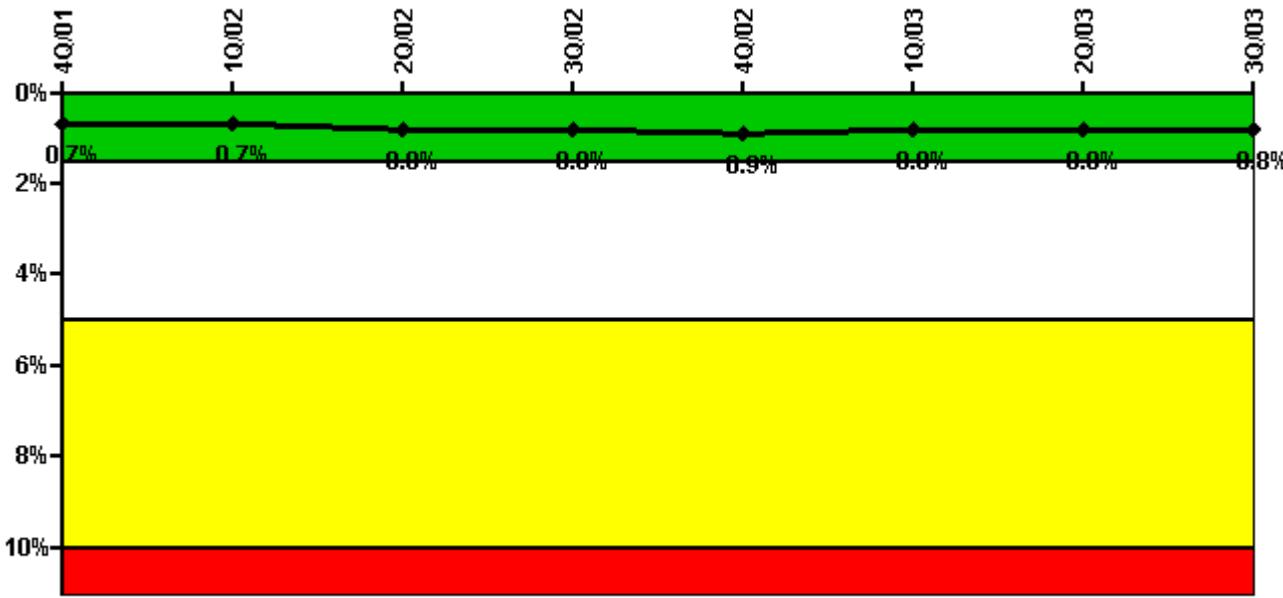
### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	3.90	5.00	2.40	10.10	5.40	3.96	5.40	3.60
Unplanned unavailable hours	0	0	5.00	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	1801.10	1558.60	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	4.70	4.90	5.10	2.80	9.40	11.91	1.50	5.50
Unplanned unavailable hours	0	0	0	0	0	1.50	0	2.50
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	1801.10	1558.60	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	0.60	0.50	5.40	3.20	2.80	2.73	2.60	1.80
Unplanned unavailable hours	0	0	0	0	0.40	0	37.50	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	1801.10	1558.60	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

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### Safety System Unavailability, Residual Heat Removal System



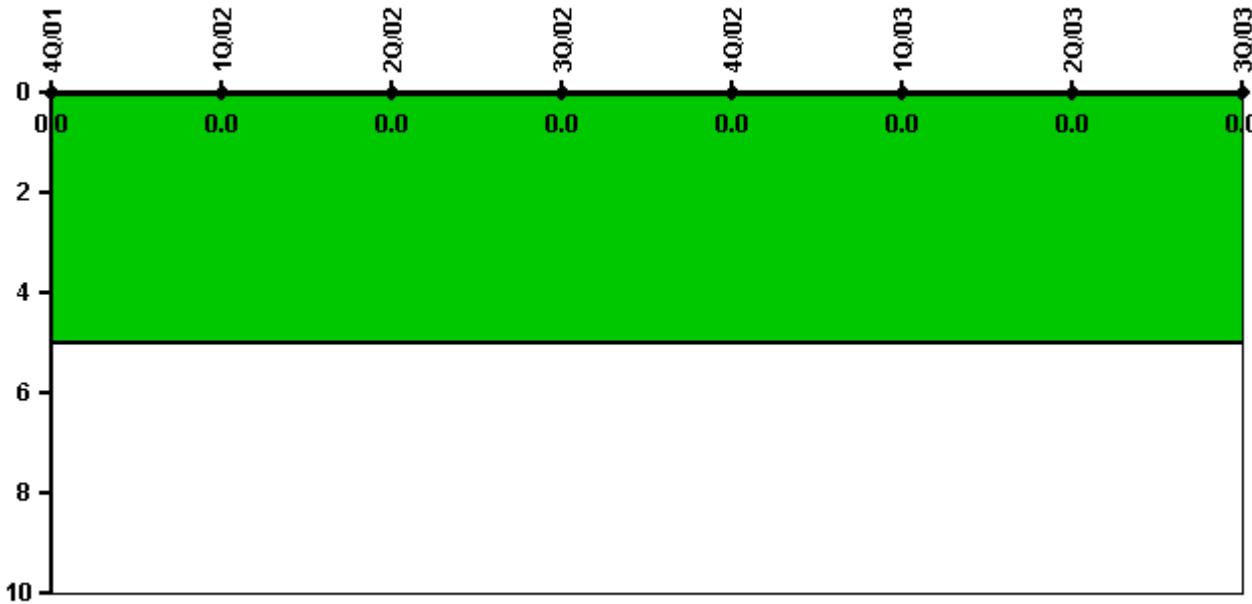
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
<b>Train 1</b>								
Planned unavailable hours	16.70	5.30	28.30	10.50	16.60	4.70	21.90	27.10
Unplanned unavailable hours	13.90	0	5.00	0	0	10.50	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	6.80	5.40	17.30	6.60	12.60	13.60	13.00	4.80
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	2209.00	2160.00	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>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



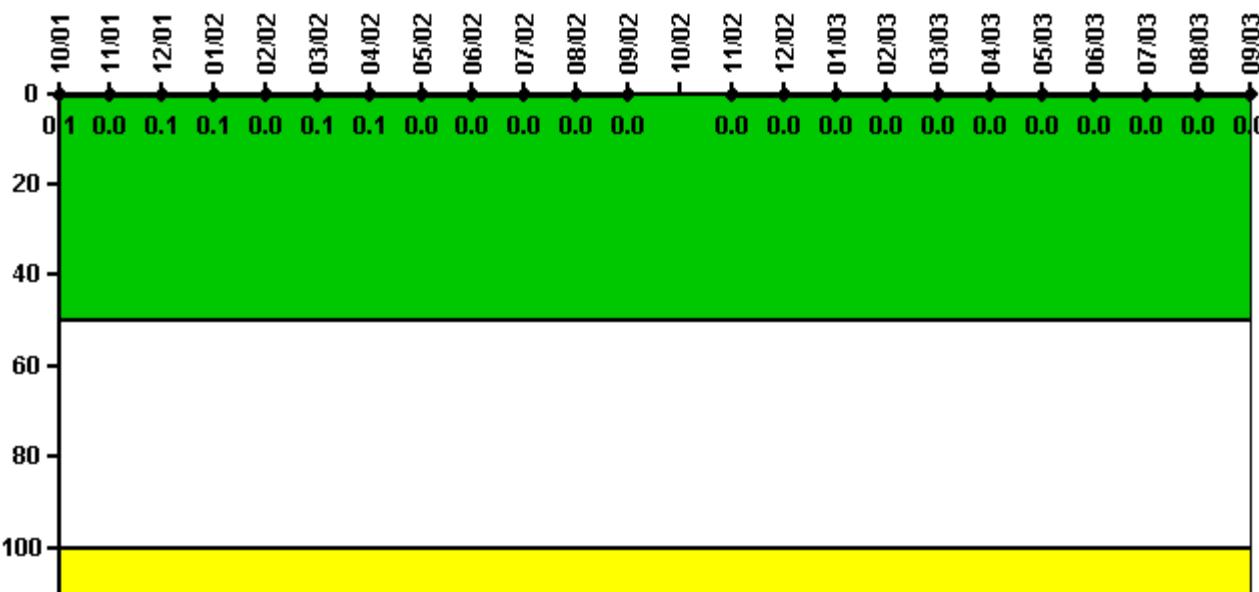
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

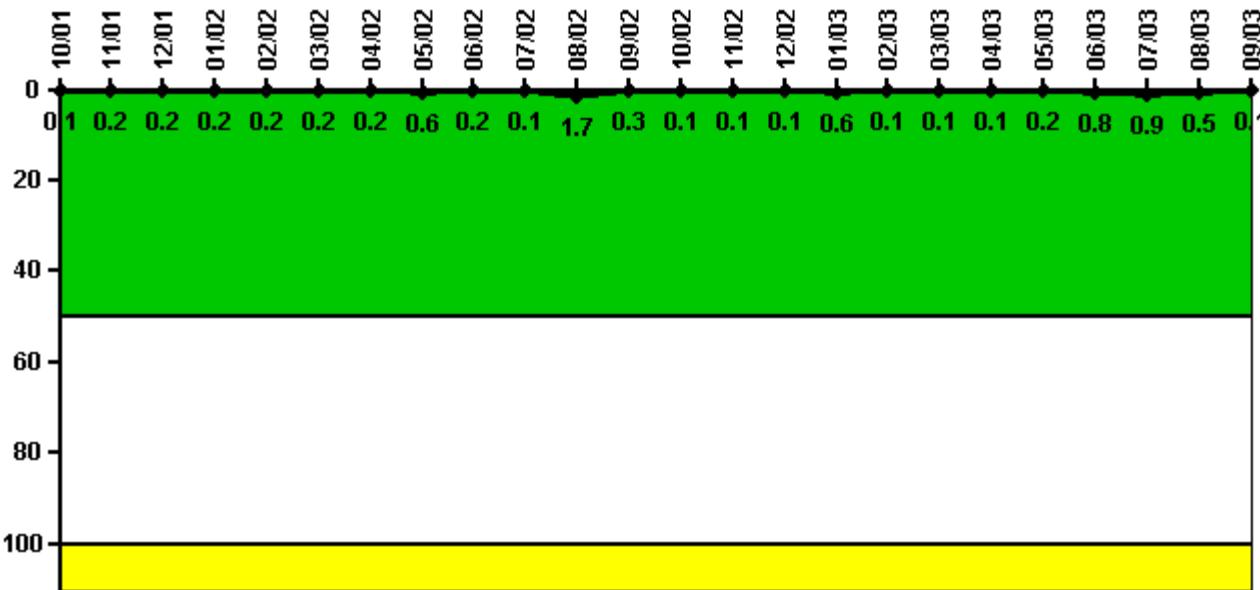
Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000439	0.000222	0.000251	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0.1	0.1	0	0.1	0.1	0	0	0	0	0

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	N/A	0.000069	0.000065	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	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

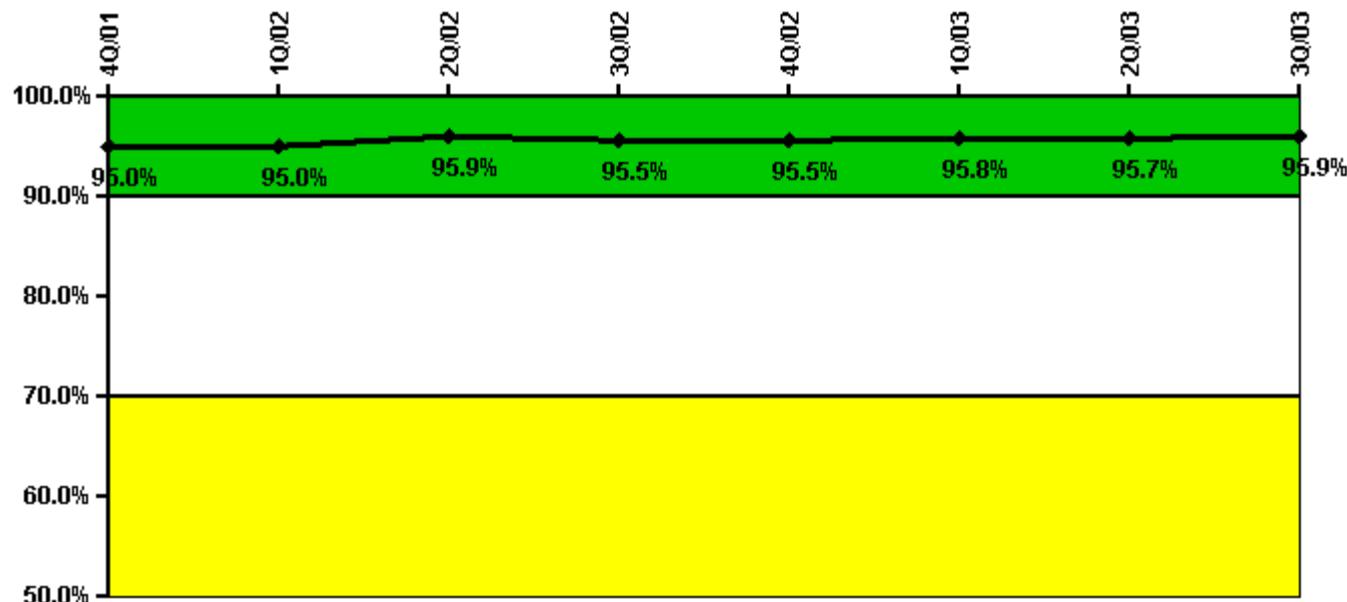
#### Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.013	0.017	0.024	0.024	0.020	0.015	0.018	0.058	0.024	0.012	0.170	0.033
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.1	1.7	0.3

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	0.010	0.011	0.012	0.060	0.012	0.012	0.012	0.017	0.079	0.093	0.050	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.2	0.8	0.9	0.5	0.1

Licensee Comments: none

**Drill/Exercise Performance**

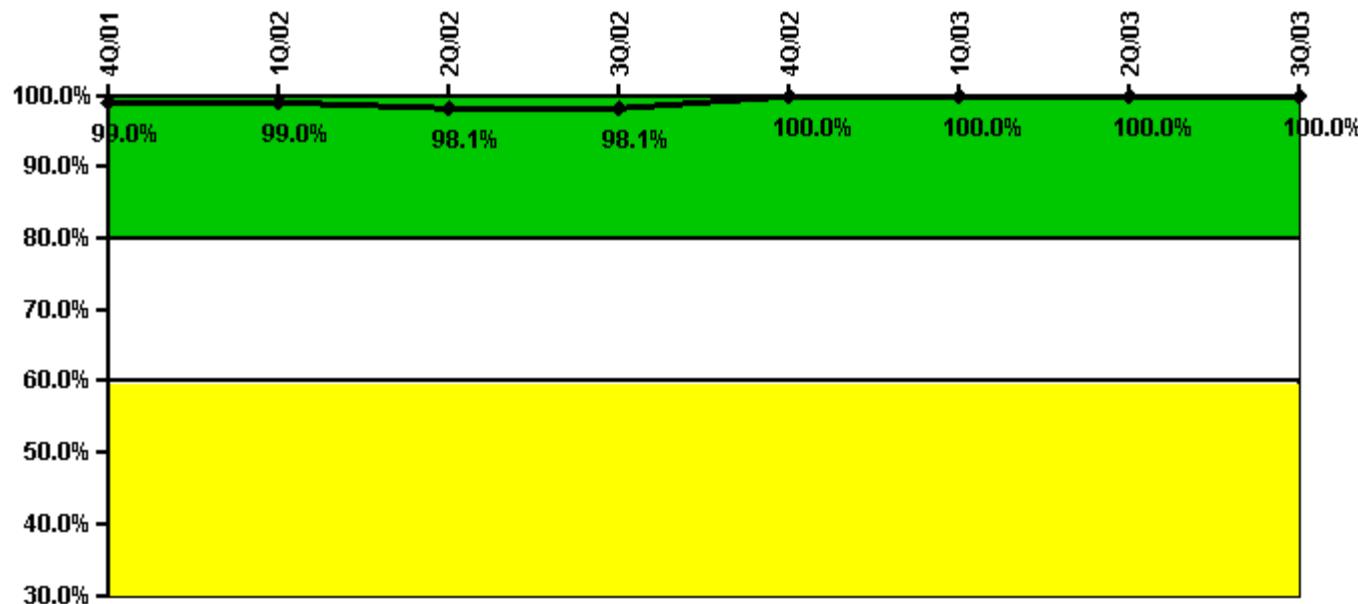
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	38.0	6.0	79.0	56.0	8.0	8.0	8.0	33.0
Total opportunities	42.0	6.0	82.0	58.0	8.0	8.0	8.0	34.0
Indicator value	95.0%	95.0%	95.9%	95.5%	95.5%	95.8%	95.7%	95.9%

Licensee Comments: none

### **ERO Drill Participation**



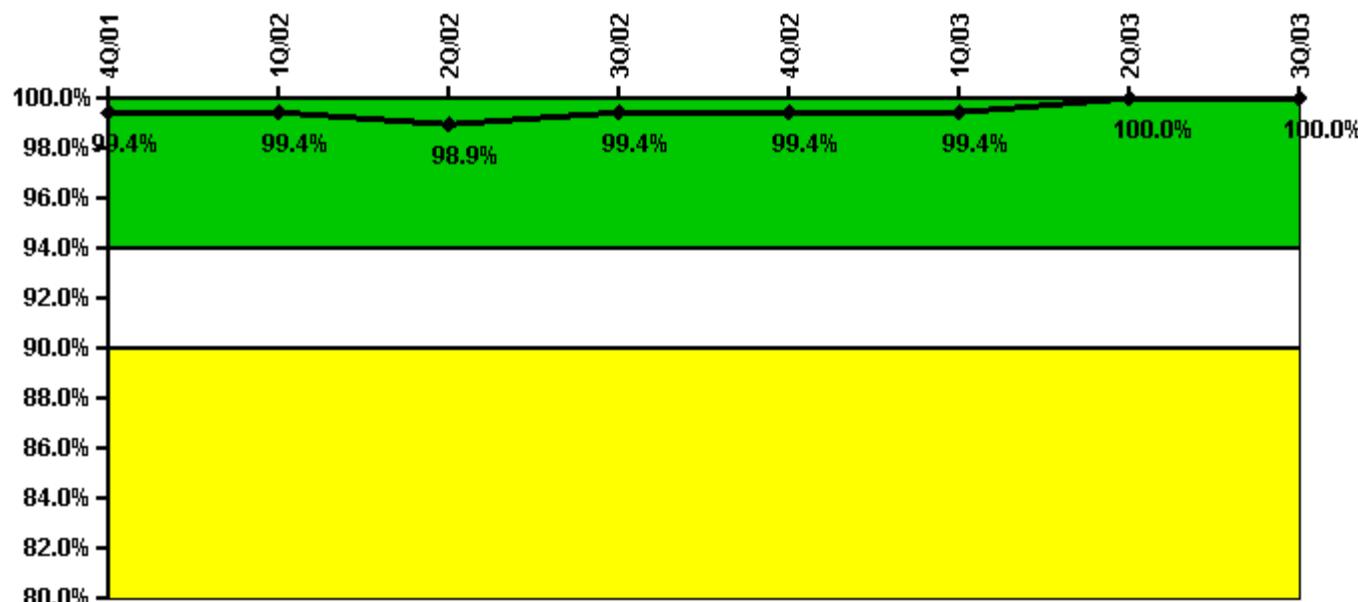
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</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>
Participating Key personnel	99.0	102.0	106.0	101.0	104.0	102.0	101.0	100.0
Total Key personnel	100.0	103.0	108.0	103.0	104.0	102.0	101.0	100.0
<b>Indicator value</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.1%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	45	42	44	45	42	48	45	45
Total sirens-tests	45	42	45	45	42	48	45	45
Indicator value	99.4%	99.4%	98.9%	99.4%	99.4%	99.4%	100.0%	100.0%

Licensee Comments: none

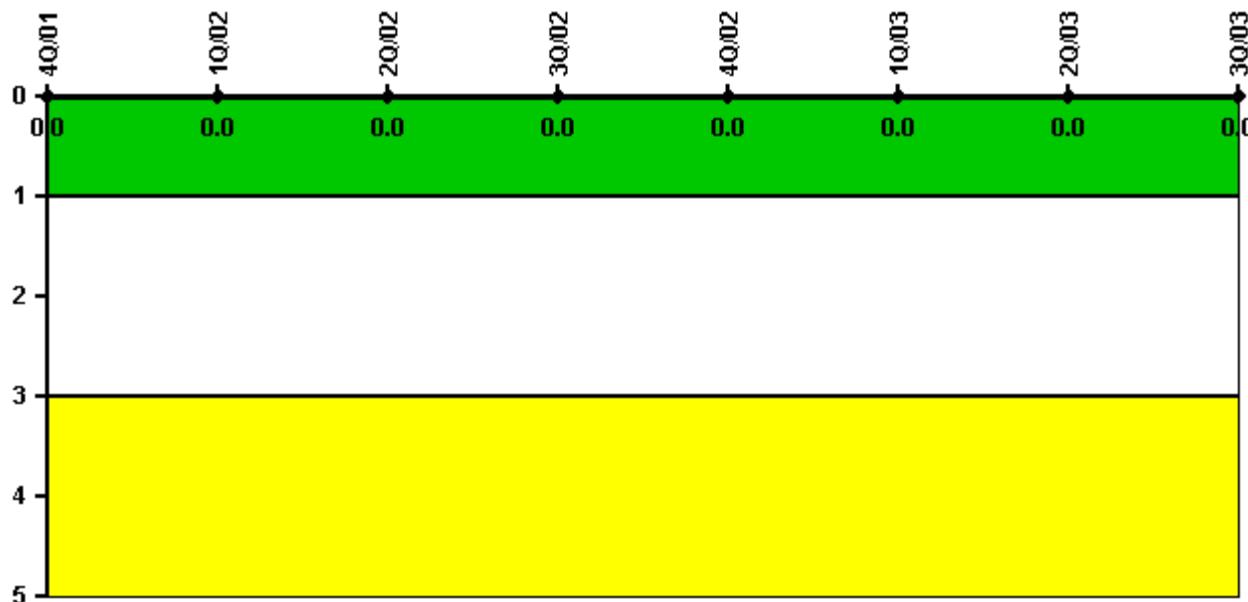
**Occupational Exposure Control Effectiveness**

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**

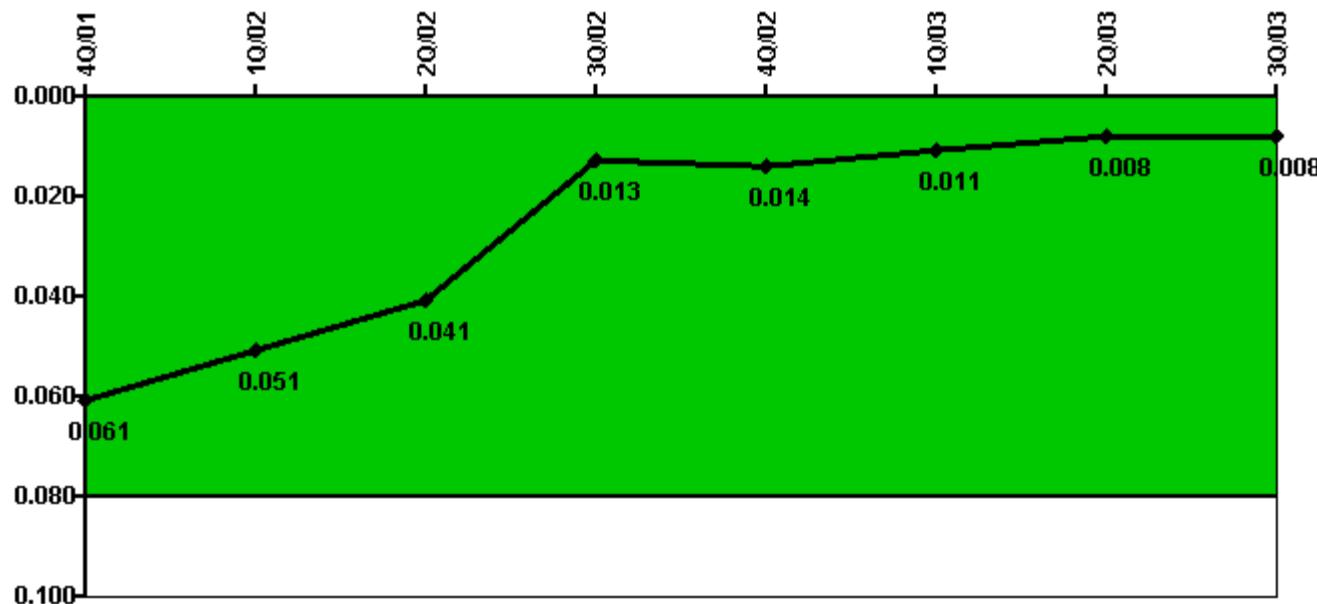
Thresholds: White > 1.0 Yellow > 3.0

**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

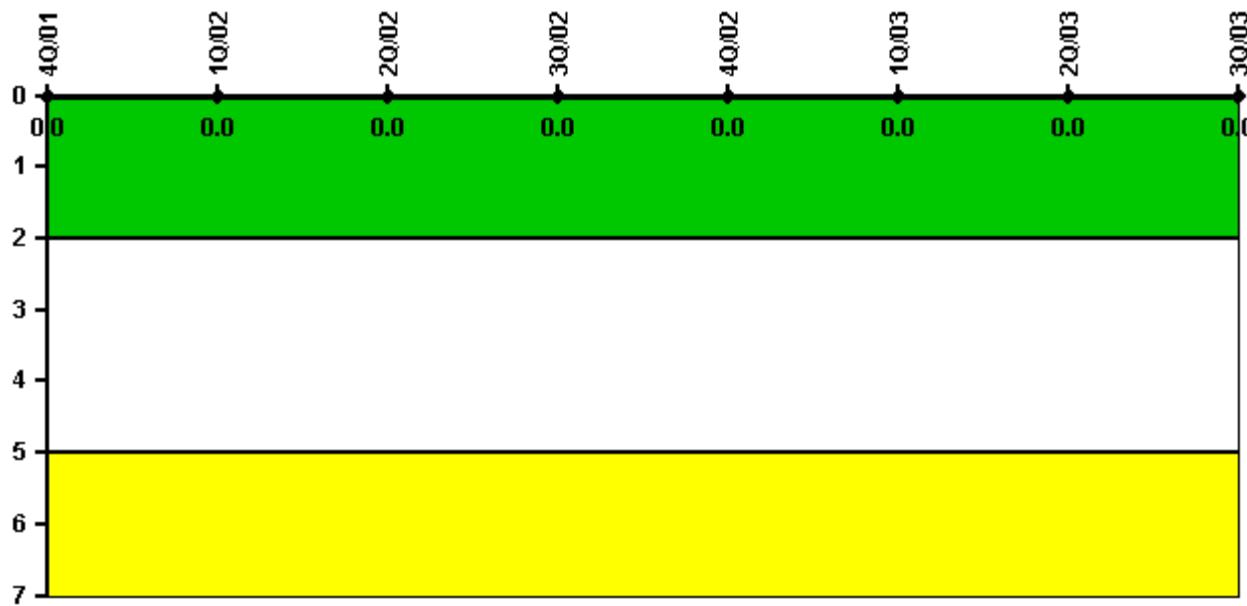


Thresholds: White > 0.080

#### 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	44.90	82.60	104.00	27.90	110.90	15.60	73.13	21.04
CCTV compensatory hours	20.5	18.9	29.8	12.0	0.1	1.9	0	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.061</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>	<b>0.011</b>	<b>0.008</b>	<b>0.008</b>

Licensee Comments: none

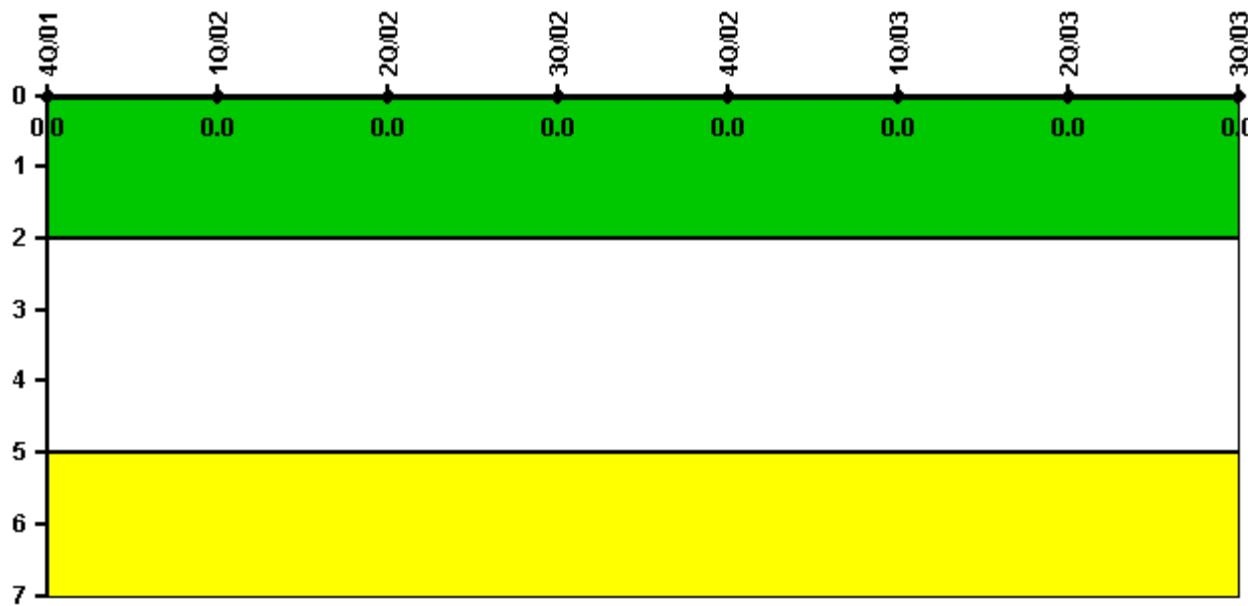
**Personnel Screening Program**

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	0	0	0	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](#)

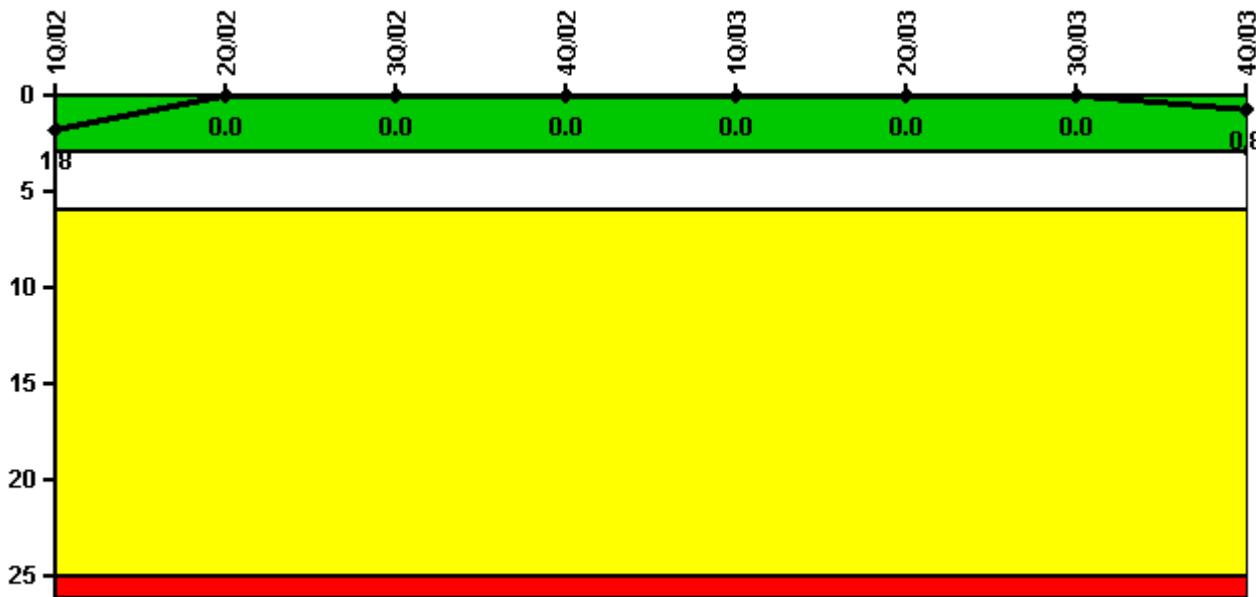
Last Modified: October 22, 2003

## Farley 2

### 4Q/2003 Performance Indicators

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**

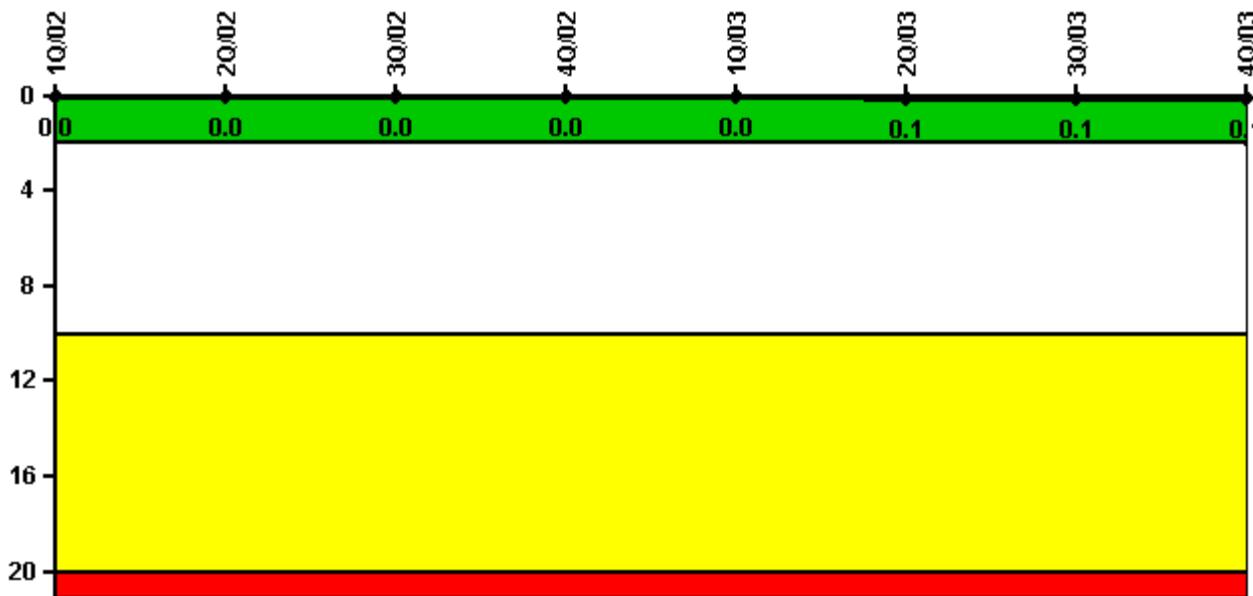


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	1.0
Critical hours	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5
Indicator value	1.8	0	0	0	0	0	0	0.8

Licensee Comments: none

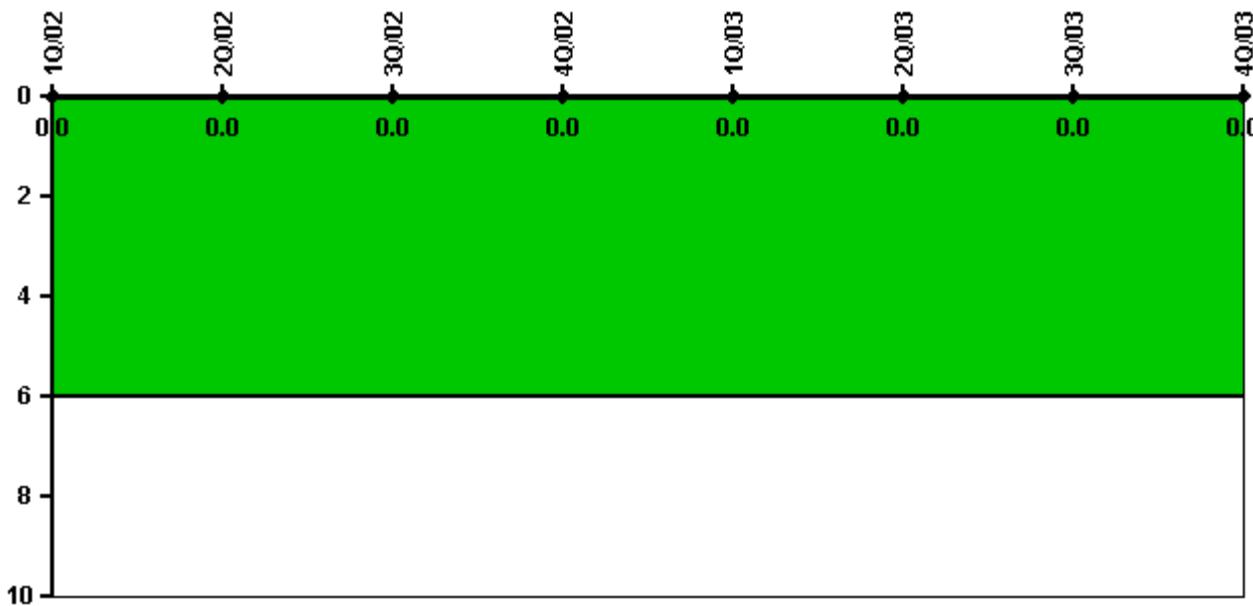
**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0.1	0	0
Indicator value	0	0	0	0	0	0.1	0.1	0.1

Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

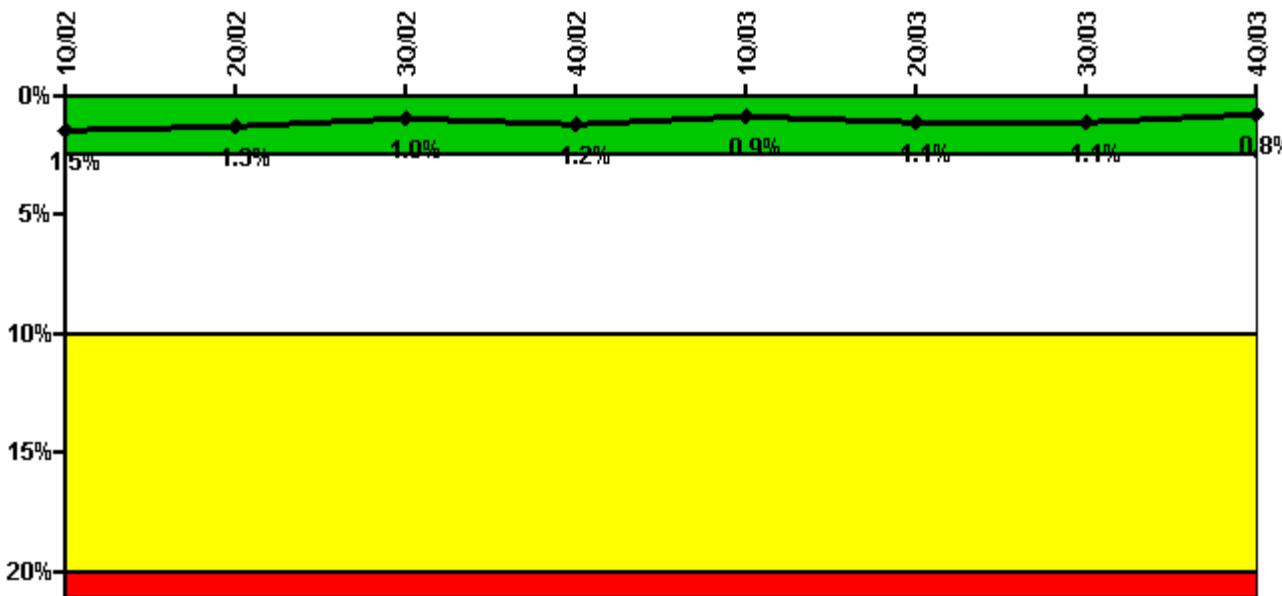
Thresholds: White > 6.0

**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	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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



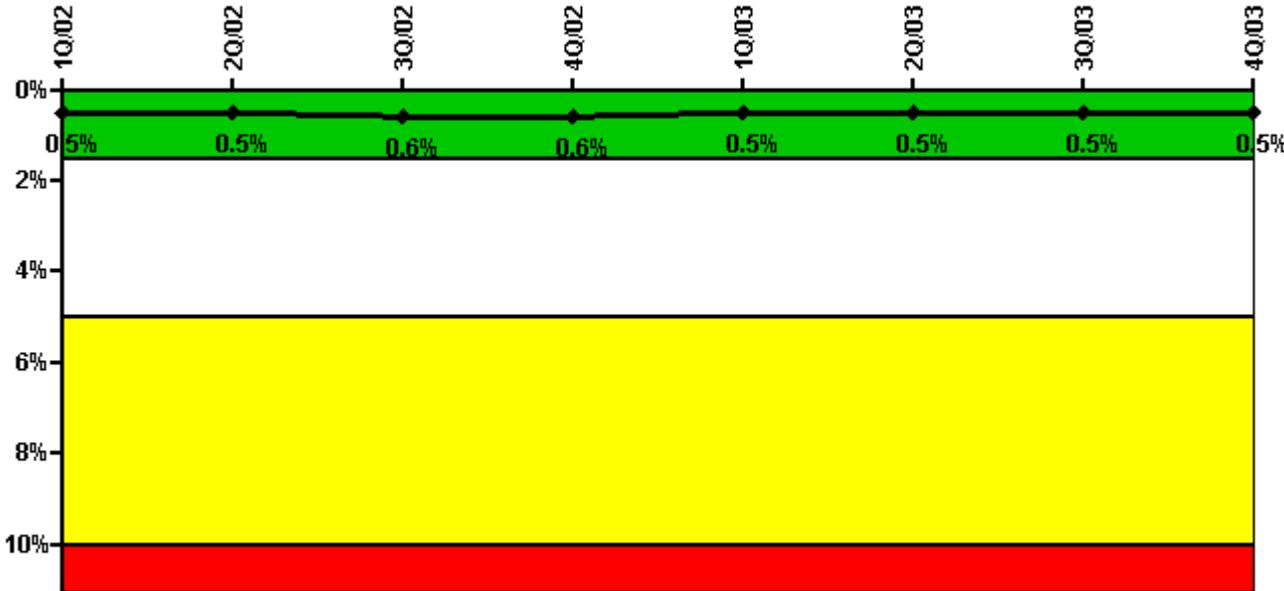
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	0.50	14.50	10.50	6.60	0.97	125.40	26.10	29.70
Unplanned unavailable hours	0	0	0	101.90	0	1.40	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	1.60	20.60	14.10	15.10	0.25	0.30	106.20	0.50
Unplanned unavailable hours	0	0	8.00	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	13.70	13.20	7.80	0.20	0.25	7.40	10.20	3.90
Unplanned unavailable hours	0	5.10	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>1.5%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>

Licensee Comments: none

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



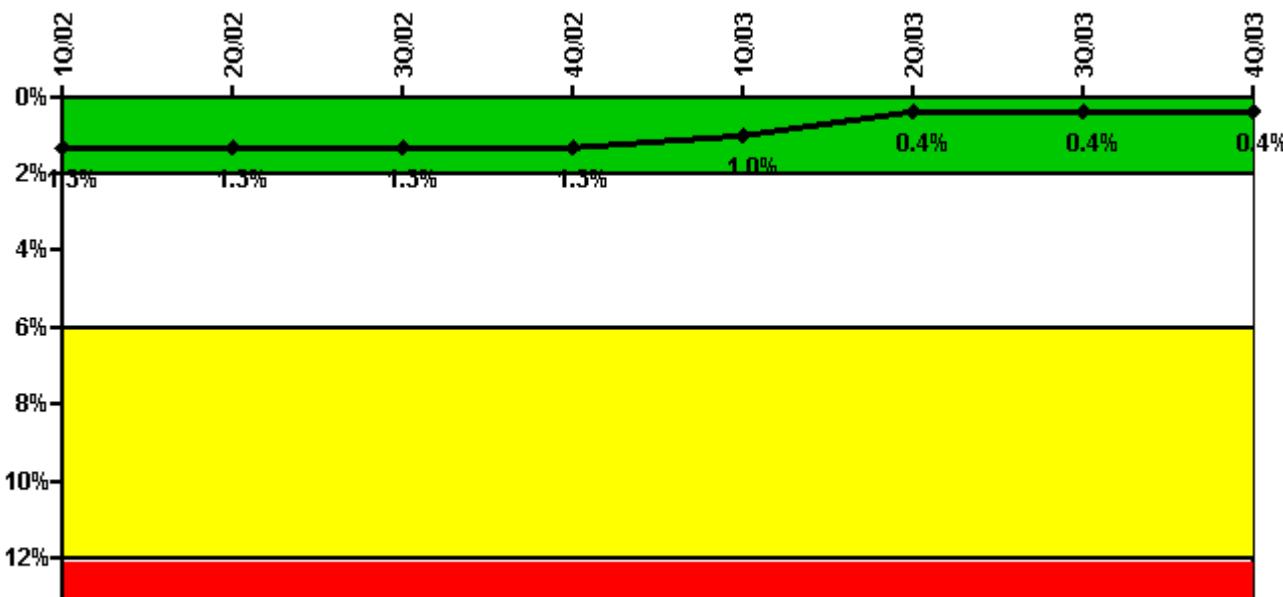
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	4.60	2.40	9.60	5.40	3.40	5.40	3.10	4.30
Unplanned unavailable hours	0	5.00	0	0	0	0	0	1.20
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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50
<b>Train 2</b>								
Planned unavailable hours	4.60	4.50	2.30	6.40	13.10	1.50	3.90	5.70
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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</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 (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

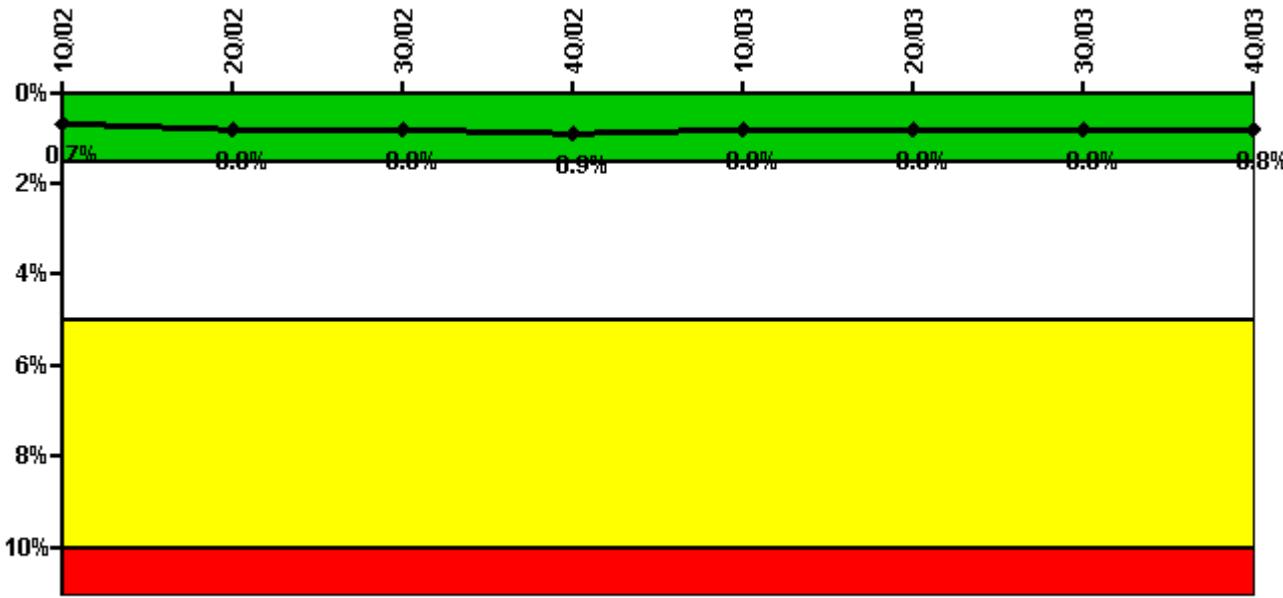
### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	5.00	2.40	10.10	5.40	3.96	5.40	3.60	7.20
Unplanned unavailable hours	0	5.00	0	0	0	0	0	1.20
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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50
<b>Train 2</b>								
Planned unavailable hours	4.90	5.10	2.80	9.40	11.91	1.50	5.50	5.70
Unplanned unavailable hours	0	0	0	0	1.50	0	2.50	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50
<b>Train 3</b>								
Planned unavailable hours	0.50	5.40	3.20	2.80	2.73	2.60	1.80	0.60
Unplanned unavailable hours	0	0	0	0.40	0	37.50	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50
<b>Indicator value</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

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### Safety System Unavailability, Residual Heat Removal System



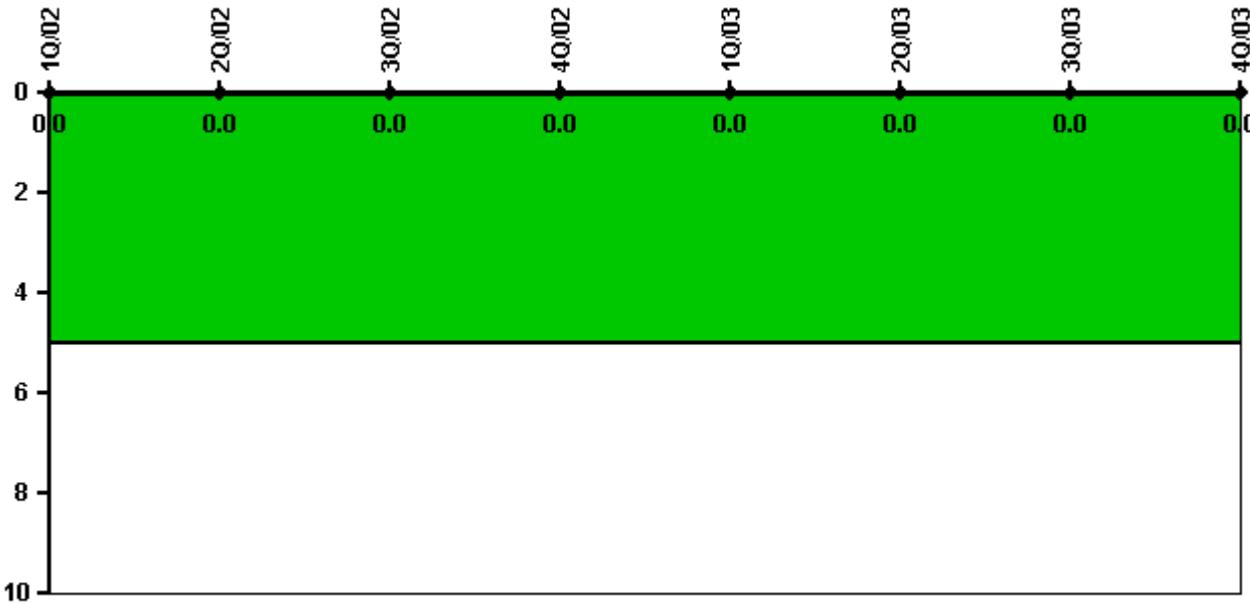
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	5.30	28.30	10.50	16.60	4.70	21.90	27.10	5.20
Unplanned unavailable hours	0	5.00	0	0	10.50	0	0	1.20
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	5.40	17.30	6.60	12.60	13.60	13.00	4.80	19.40
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>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



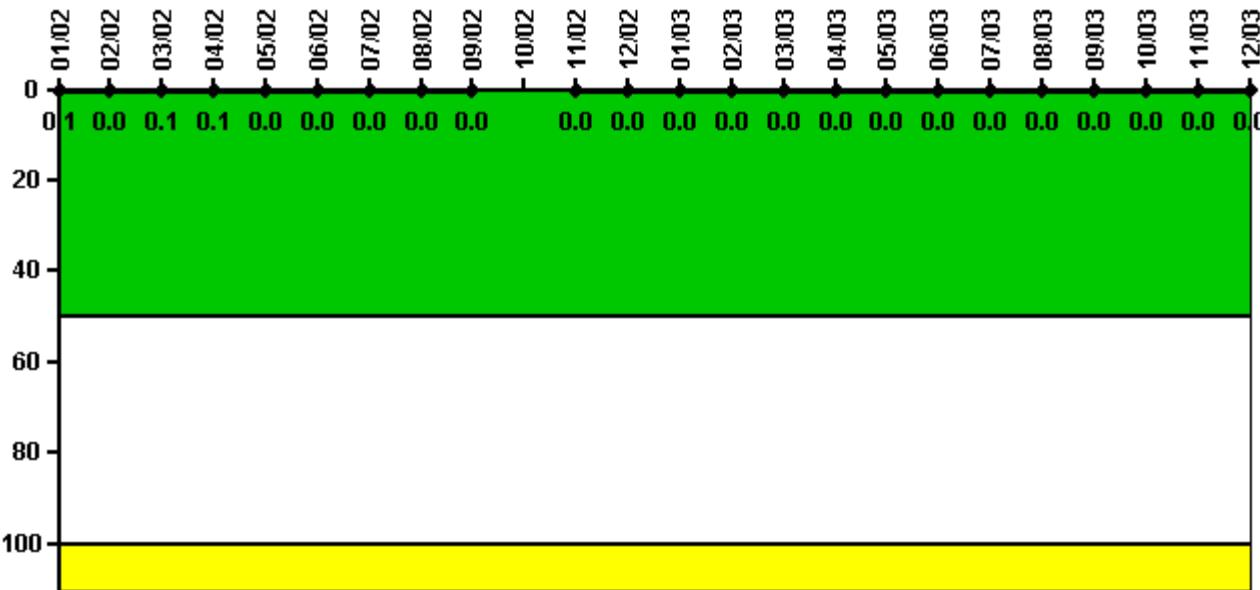
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
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

### Reactor Coolant System Activity



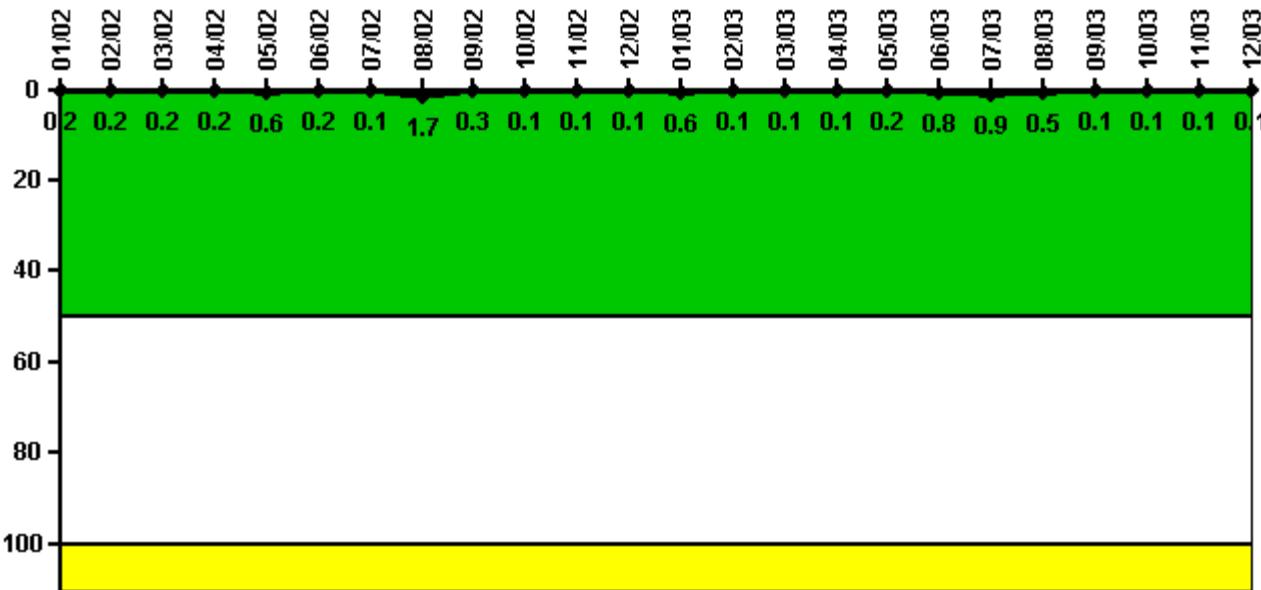
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000251	0.000245	0.000260	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172	N/A	0.000069	0.000065
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0.1	0.1	0	0	0	0	0	N/A	0	0
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	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



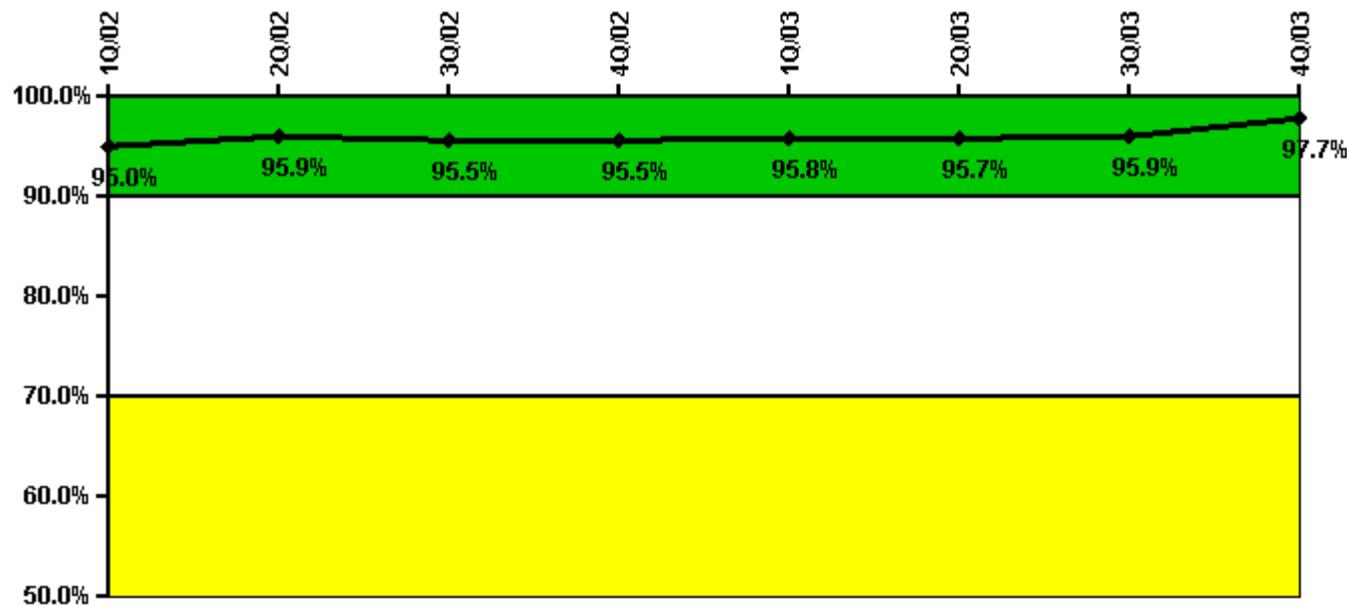
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.024	0.020	0.015	0.018	0.058	0.024	0.012	0.170	0.033	0.010	0.011	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.6	0.2	0.1	1.7	0.3	0.1	0.1	0.1
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	0.060	0.012	0.012	0.012	0.017	0.079	0.093	0.050	0.010	0.009	0.014	0.009
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.1	0.1	0.1	0.2	0.8	0.9	0.5	0.1	0.1	0.1	0.1

Licensee Comments: none

### Drill/Exercise Performance



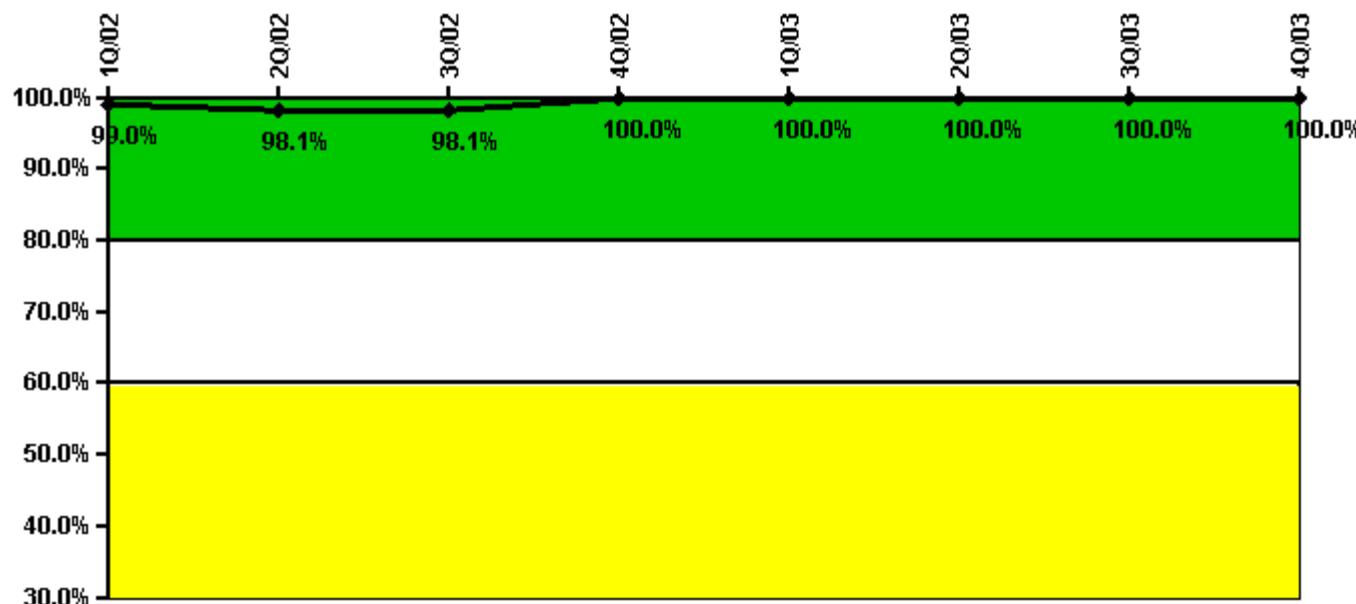
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	6.0	79.0	56.0	8.0	8.0	8.0	33.0	102.0
Total opportunities	6.0	82.0	58.0	8.0	8.0	8.0	34.0	103.0
Indicator value	95.0%	95.9%	95.5%	95.5%	95.8%	95.7%	95.9%	97.7%

Licensee Comments: none

### **ERO Drill Participation**

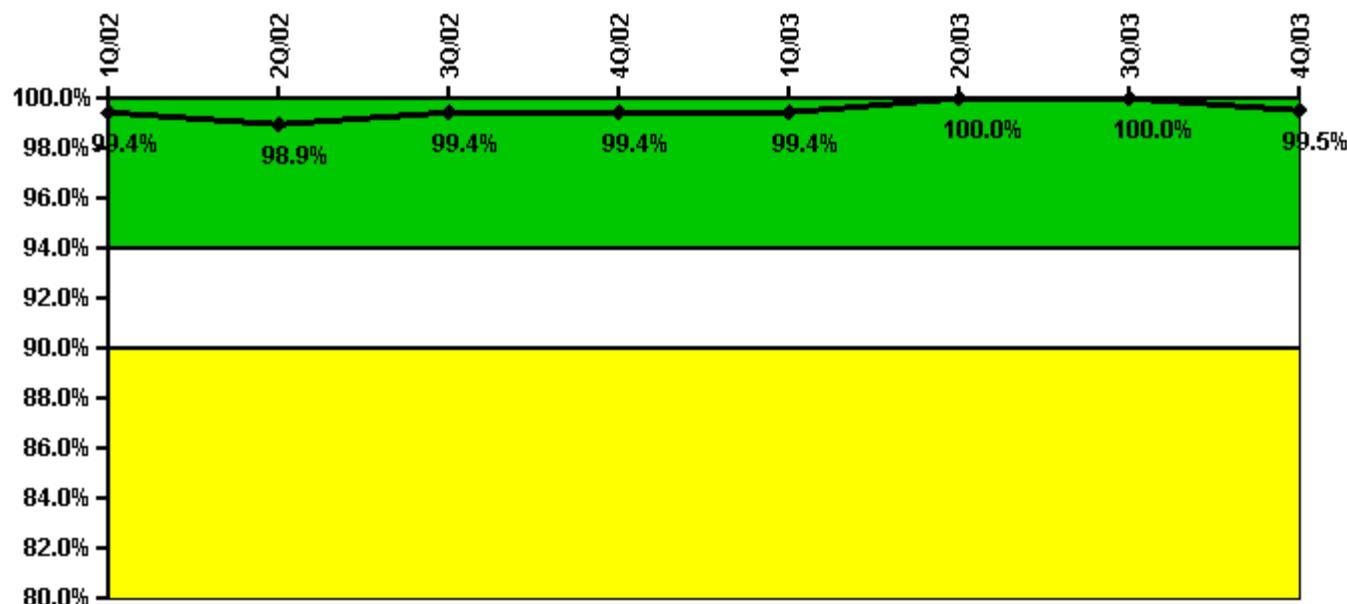


Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</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>
Participating Key personnel	102.0	106.0	101.0	104.0	102.0	101.0	100.0	108.0
Total Key personnel	103.0	108.0	103.0	104.0	102.0	101.0	100.0	108.0
<b>Indicator value</b>	<b>99.0%</b>	<b>98.1%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

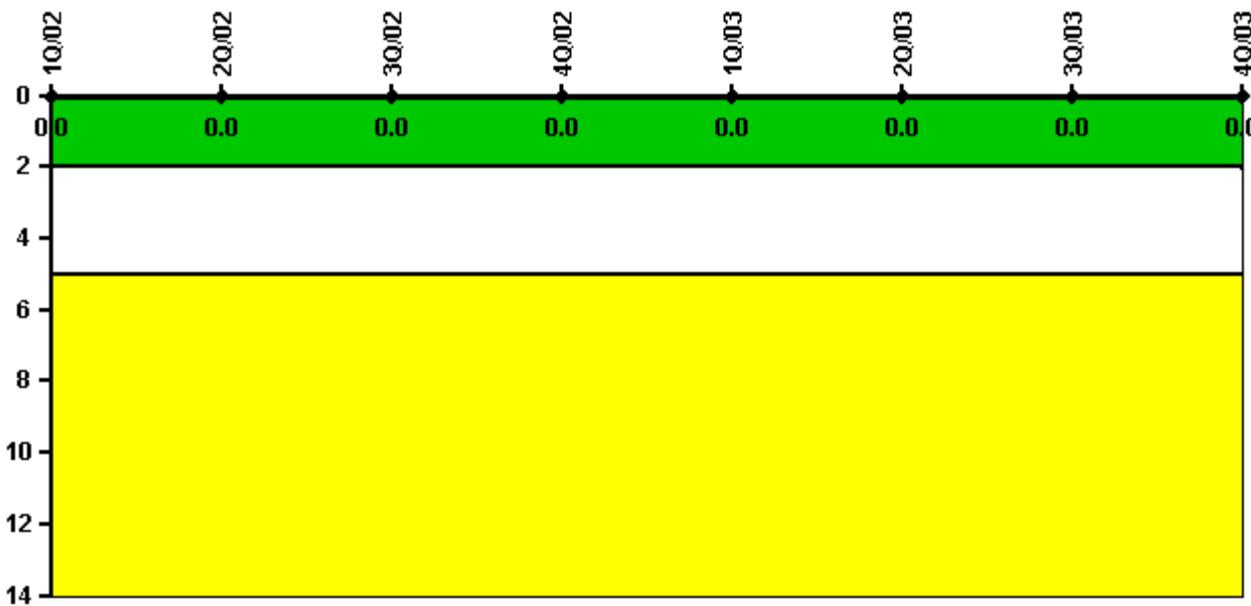
**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

**Notes**

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	42	44	45	42	48	45	45	47
Total sirens-tests	42	45	45	42	48	45	45	48
Indicator value	99.4%	98.9%	99.4%	99.4%	99.4%	100.0%	100.0%	99.5%

Licensee Comments: none

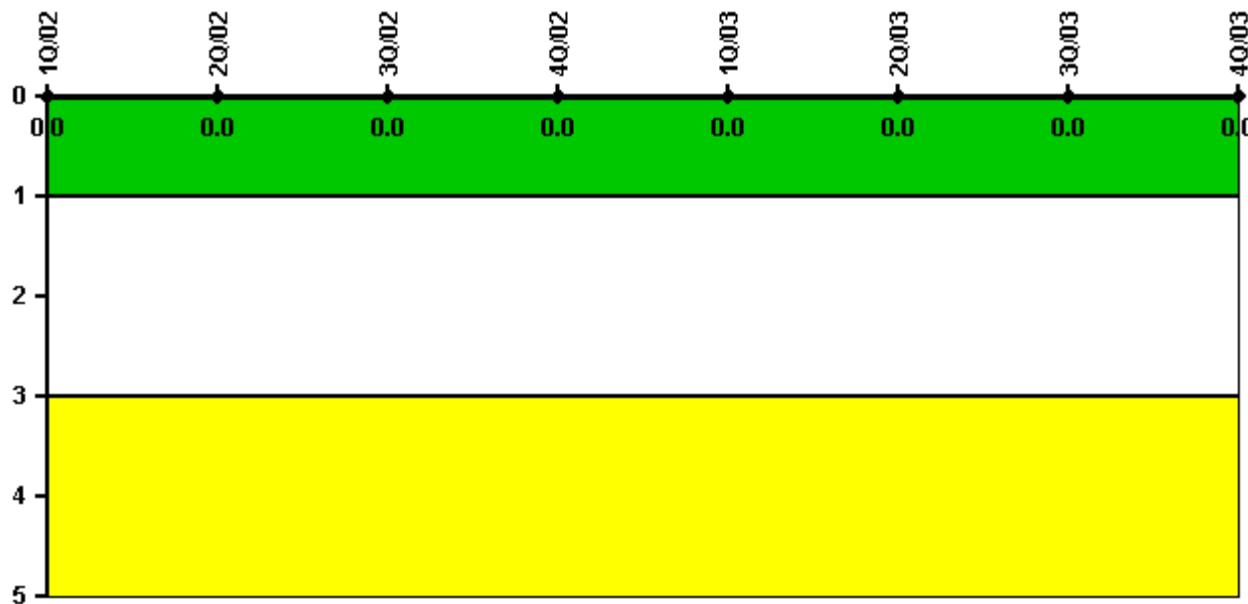
**Occupational Exposure Control Effectiveness**

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**

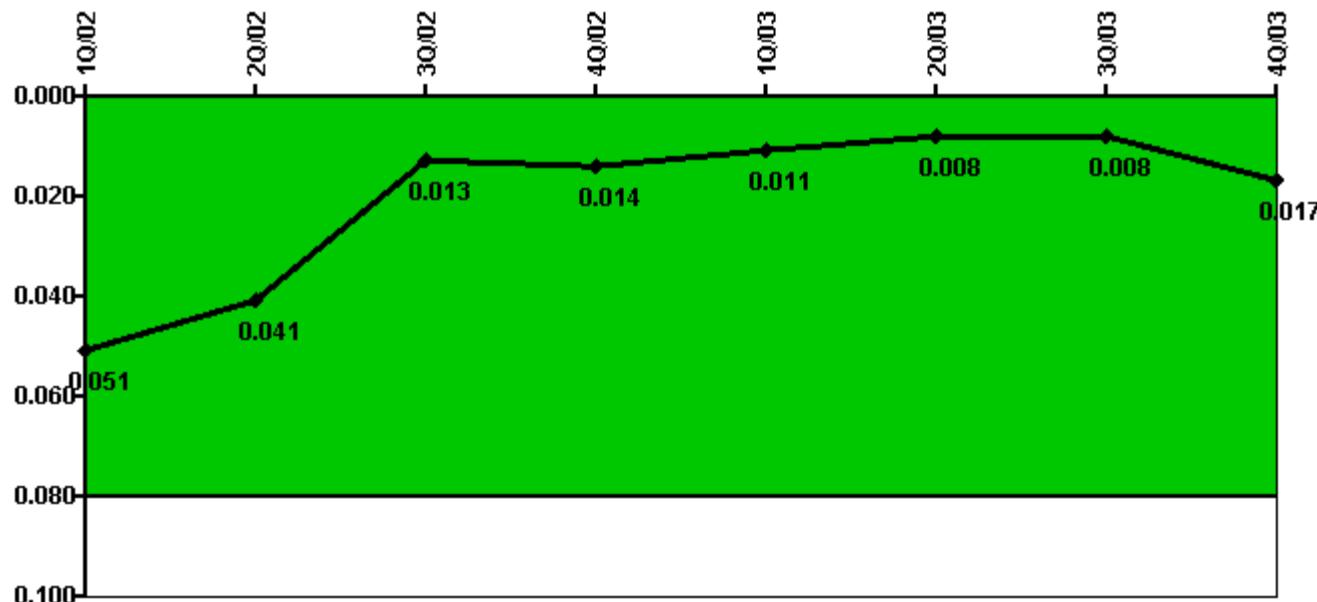
Thresholds: White > 1.0 Yellow > 3.0

**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

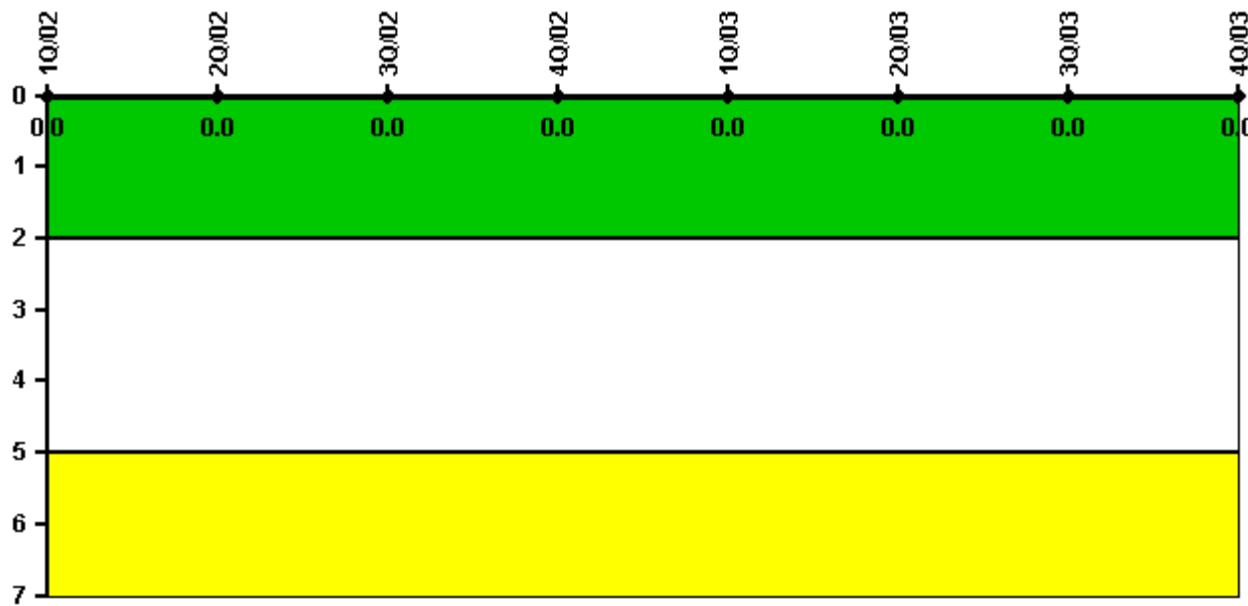


Thresholds: White > 0.080

#### 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	82.60	104.00	27.90	110.90	15.60	73.13	21.04	131.40
CCTV compensatory hours	18.9	29.8	12.0	0.1	1.9	0	0	149.7
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.051</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>	<b>0.011</b>	<b>0.008</b>	<b>0.008</b>	<b>0.017</b>

Licensee Comments: none

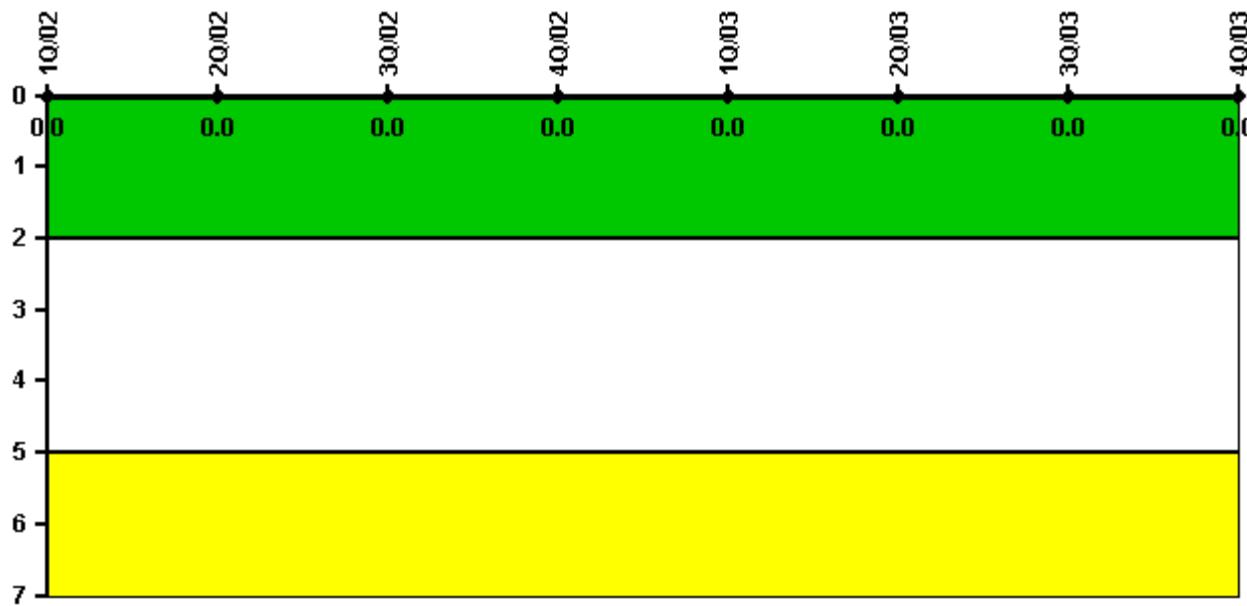
**Personnel Screening Program**

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	0	0	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

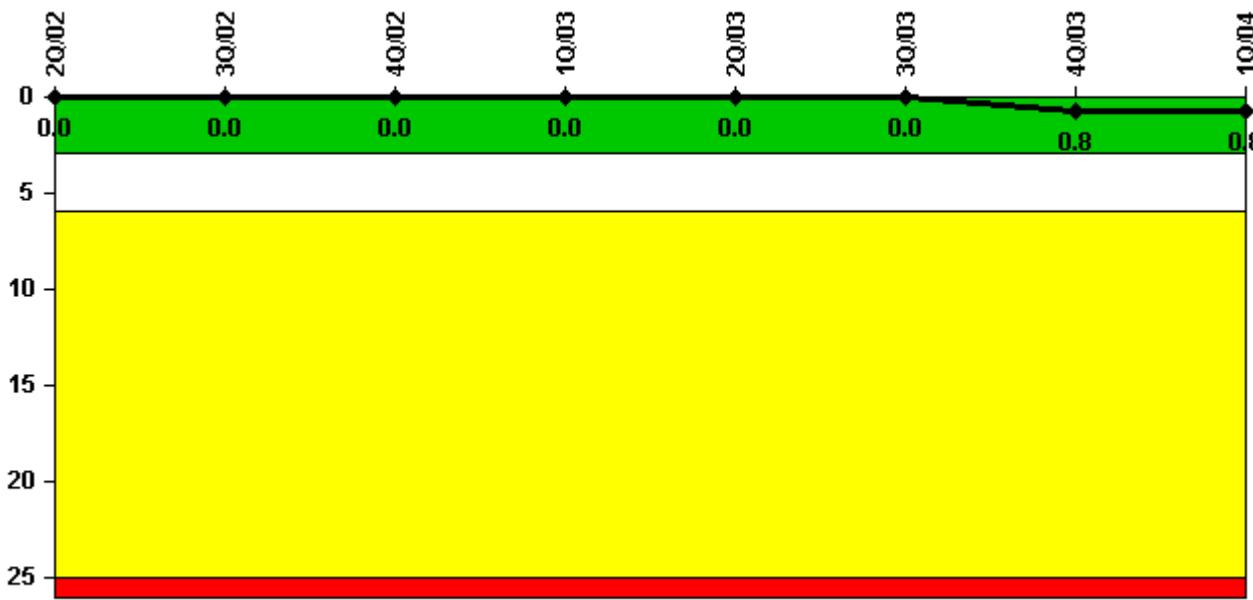


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 23, 2004

**Farley 2****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	1.0	0
Critical hours	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

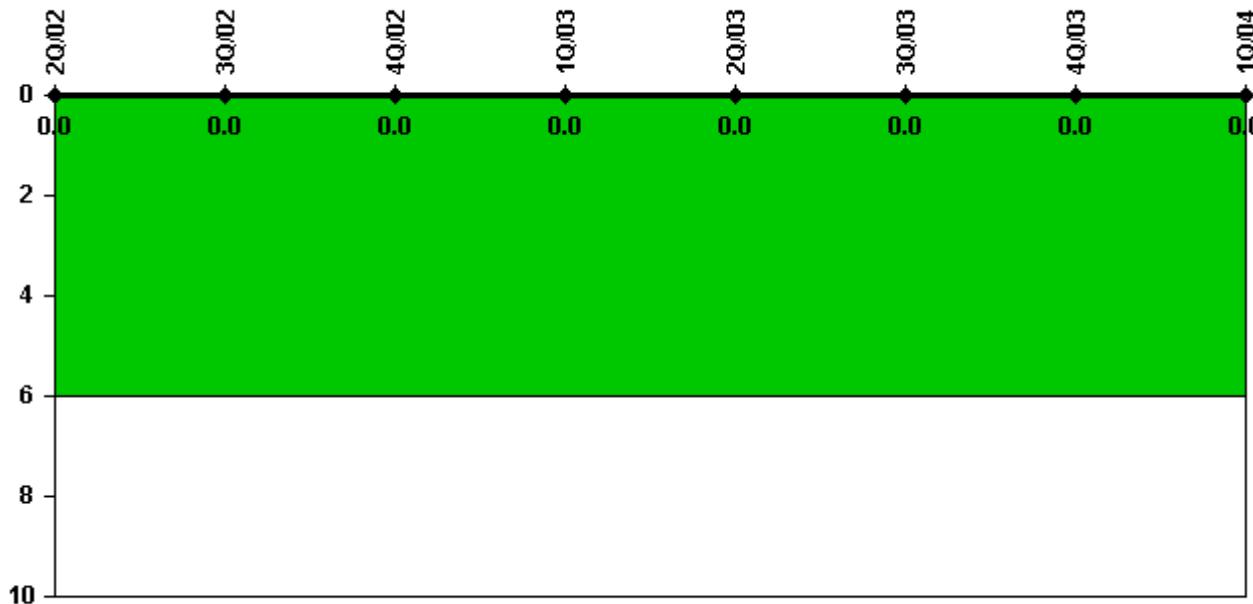
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/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>0</b>							

Licensee Comments:

2Q/03: Minor transcription error in April 2003 data corrected with 2004Q1 submittal. Color and chart appearance unaffected.

**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

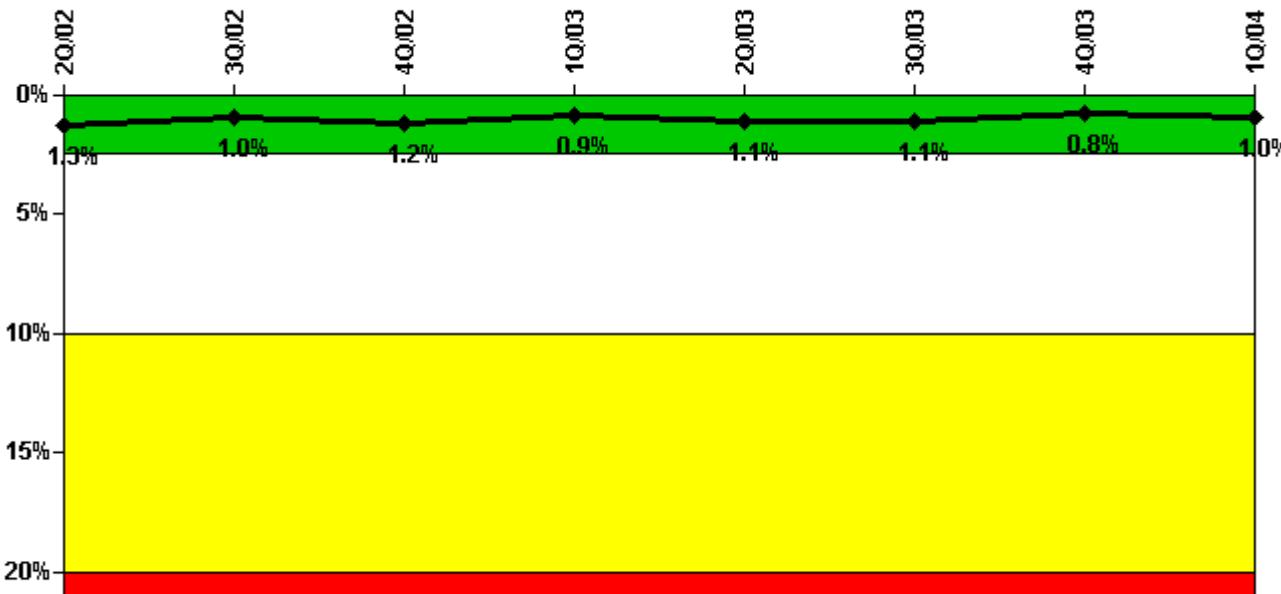
**Notes**

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	0	0	0	0	0	0	0	0
Critical hours	2183.0	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9
Indicator value	<b>0</b>							

Licensee Comments: none

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



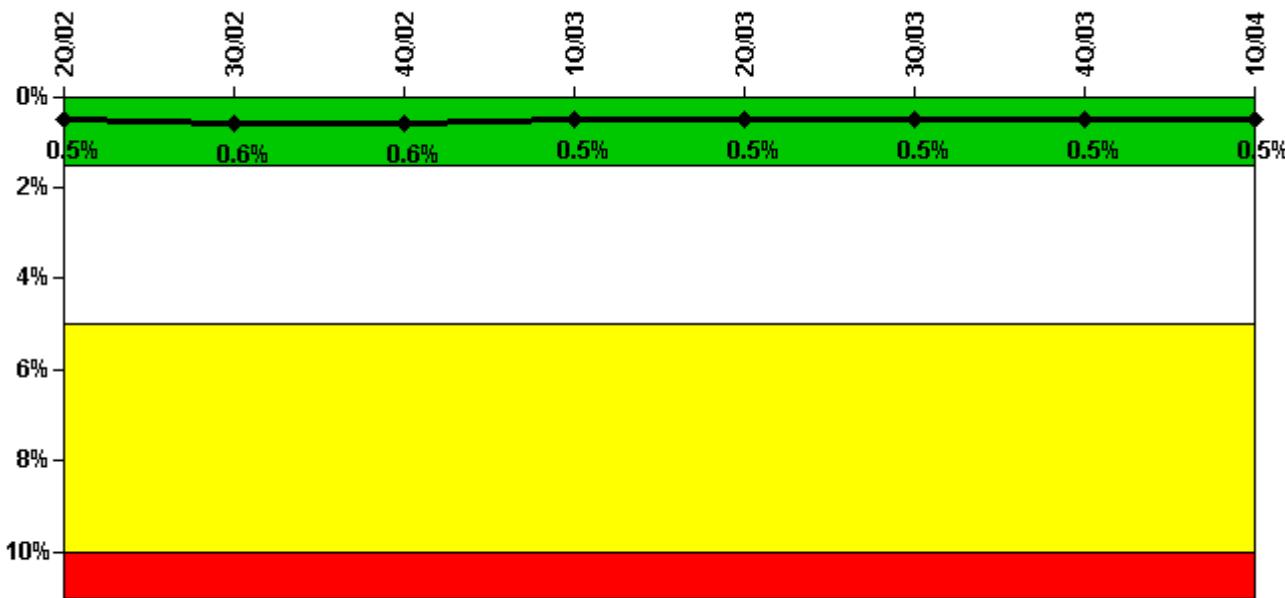
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	14.50	10.50	6.60	0.97	125.40	26.10	29.70	0
Unplanned unavailable hours	0	0	101.90	0	1.40	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 2</b>								
Planned unavailable hours	20.60	14.10	15.10	0.25	0.30	106.20	0.50	34.22
Unplanned unavailable hours	0	8.00	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	13.20	7.80	0.20	0.25	7.40	10.20	3.90	99.10
Unplanned unavailable hours	5.10	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>1.3%</b>	<b>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>

Licensee Comments: none

## **Safety System Unavailability, High Pressure Injection System (HPSI)**



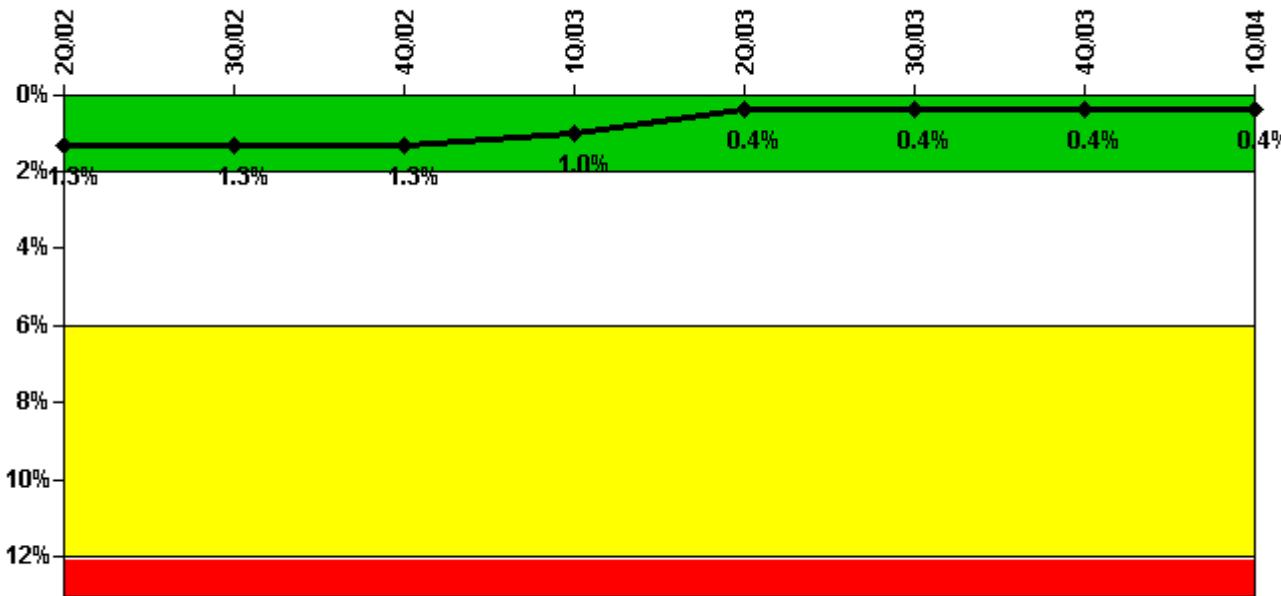
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

<b>Safety System Unavailability, High Pressure Injection System (HPSI)</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>
<b>Train 1</b>									
Planned unavailable hours		2.40	9.60	5.40	3.40	5.40	3.10	4.30	2.10
Unplanned unavailable hours		5.00	0	0	0	0	0	1.20	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92
<b>Train 2</b>									
Planned unavailable hours		4.50	2.30	6.40	13.10	1.50	3.90	5.70	3.40
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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92
<b>Indicator value</b>		<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</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 (AFW)



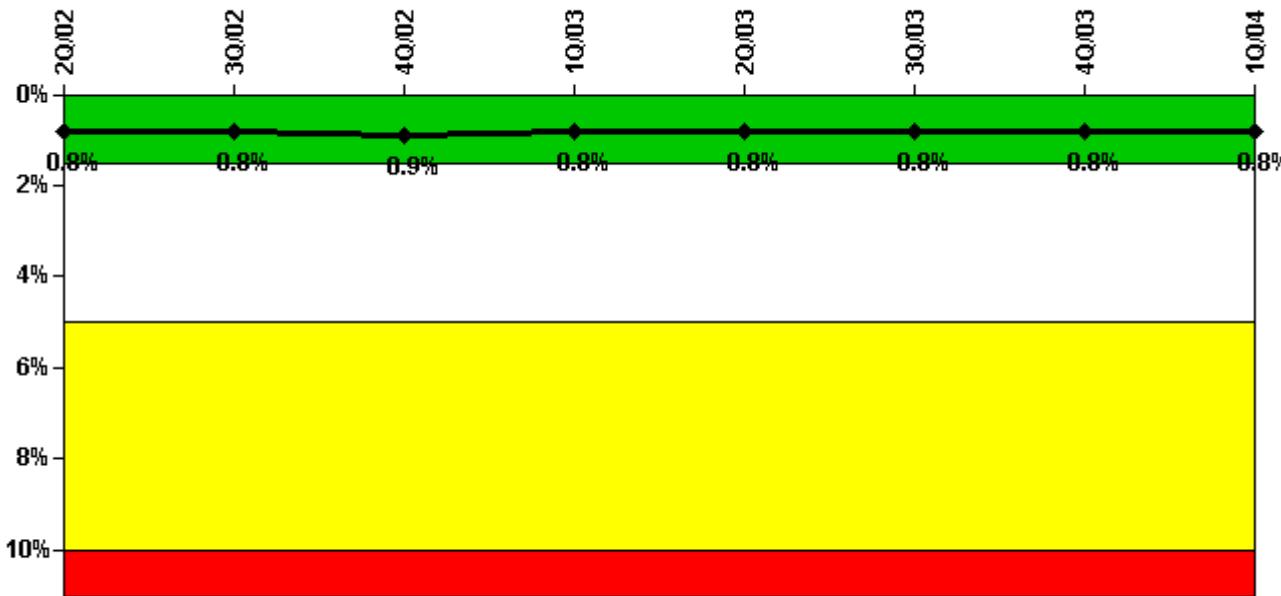
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	2.40	10.10	5.40	3.96	5.40	3.60	7.20	2.10
Unplanned unavailable hours	5.00	0	0	0	0	0	1.20	1.20
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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92
<b>Train 2</b>								
Planned unavailable hours	5.10	2.80	9.40	11.91	1.50	5.50	5.70	3.40
Unplanned unavailable hours	0	0	0	1.50	0	2.50	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92
<b>Train 3</b>								
Planned unavailable hours	5.40	3.20	2.80	2.73	2.60	1.80	0.60	1.80
Unplanned unavailable hours	0	0	0.40	0	37.50	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92
<b>Indicator value</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</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

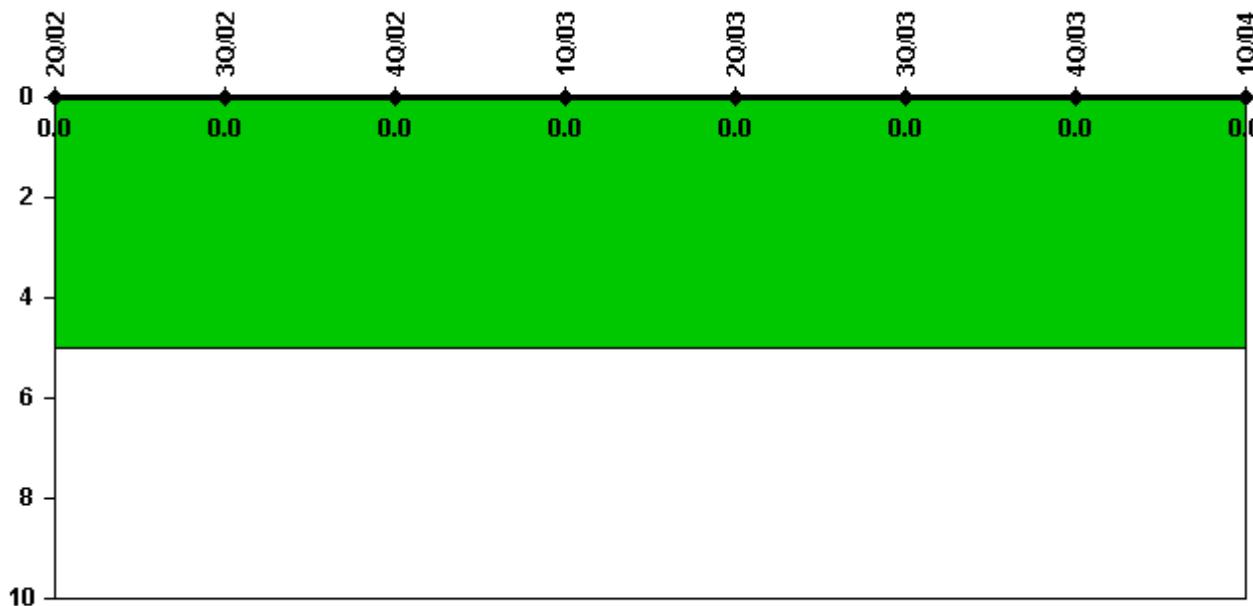


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
<b>Train 1</b>								
Planned unavailable hours	28.30	10.50	16.60	4.70	21.90	27.10	5.20	17.30
Unplanned unavailable hours	5.00	0	0	10.50	0	0	1.20	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	17.30	6.60	12.60	13.60	13.00	4.80	19.40	3.70
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>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

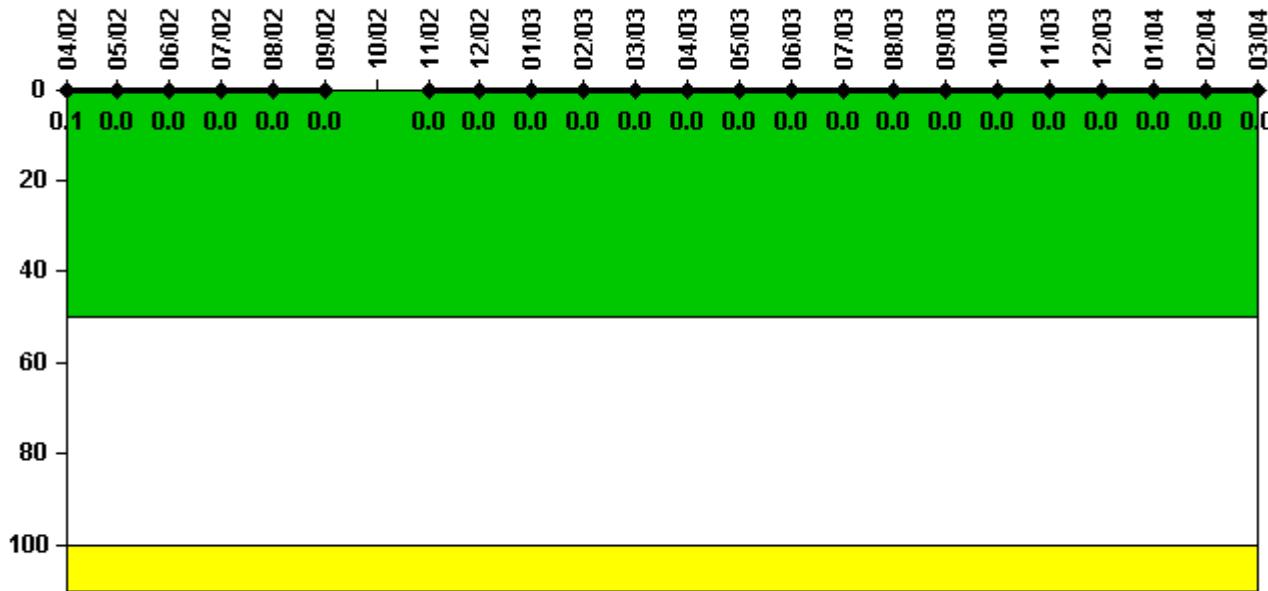
Thresholds: White > 5.0

**Notes**

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

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

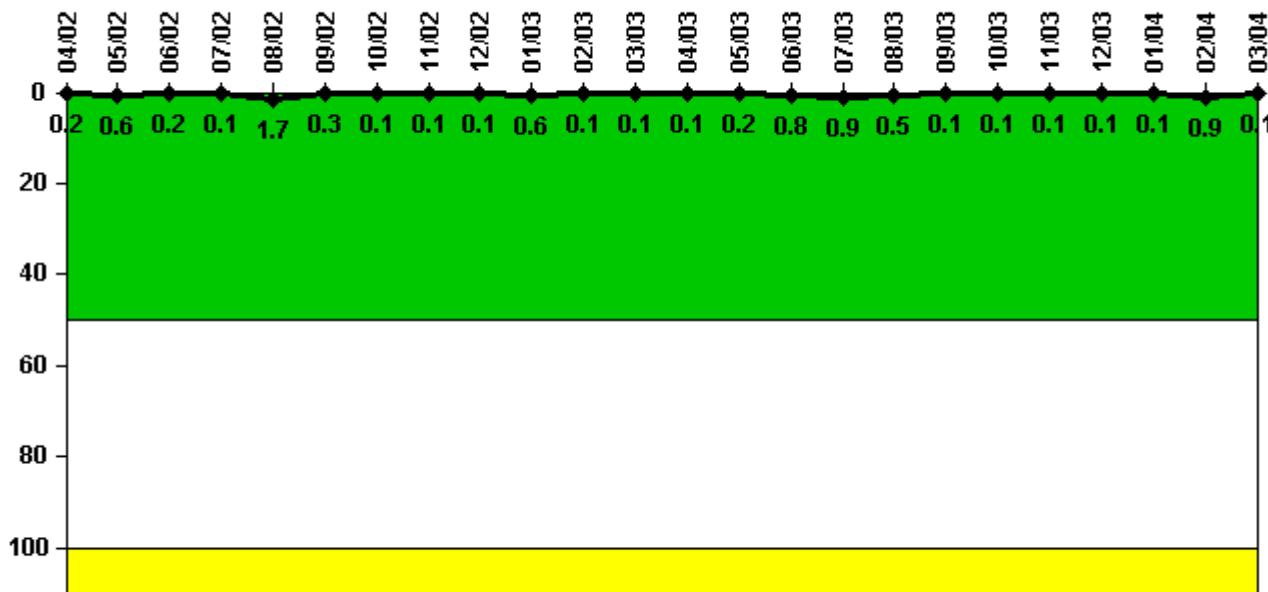
Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000262	0.000124	0.000124	0.000127	0.000168	0.000172	N/A	0.000069	0.000065	0.000093	0.000095	0.000103
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	<b>0.1</b>	0	0	0	0	0	N/A	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	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101	0.000099	0.000133	0.000096
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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

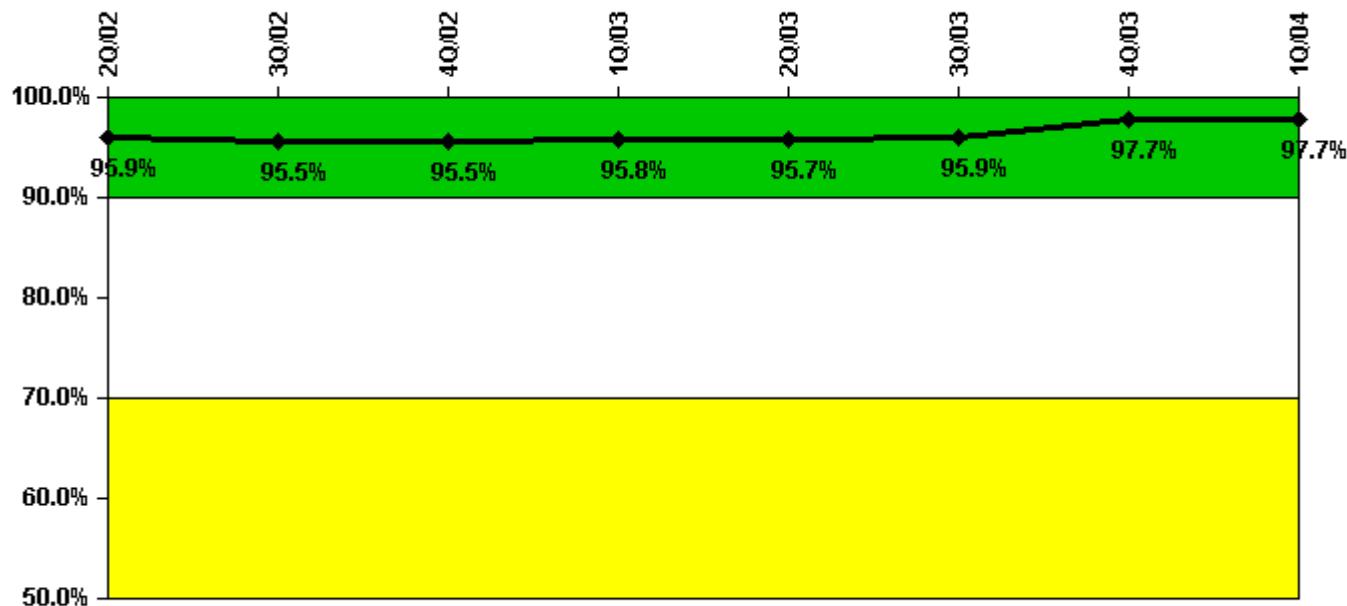
### Notes

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	0.018	0.058	0.024	0.012	0.170	0.033	0.010	0.011	0.012	0.060	0.012	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.6</b>	<b>0.2</b>	<b>0.1</b>	<b>1.7</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.6</b>	<b>0.1</b>	<b>0.1</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	0.012	0.017	0.079	0.093	0.050	0.010	0.009	0.014	0.009	0.009	0.093	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.2</b>	<b>0.8</b>	<b>0.9</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.1</b>

Licensee Comments: none

**Drill/Exercise Performance**

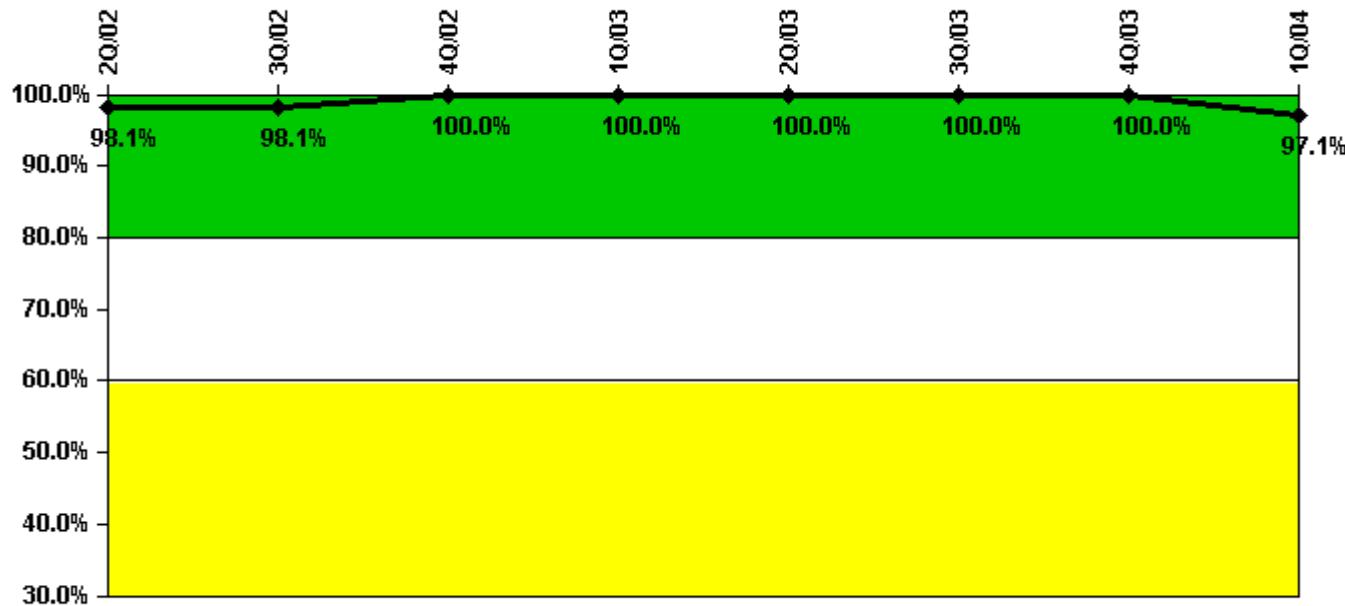
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	79.0	56.0	8.0	8.0	8.0	33.0	102.0	0
Total opportunities	82.0	58.0	8.0	8.0	8.0	34.0	103.0	0
Indicator value	95.9%	95.5%	95.5%	95.8%	95.7%	95.9%	97.7%	97.7%

Licensee Comments: none

### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

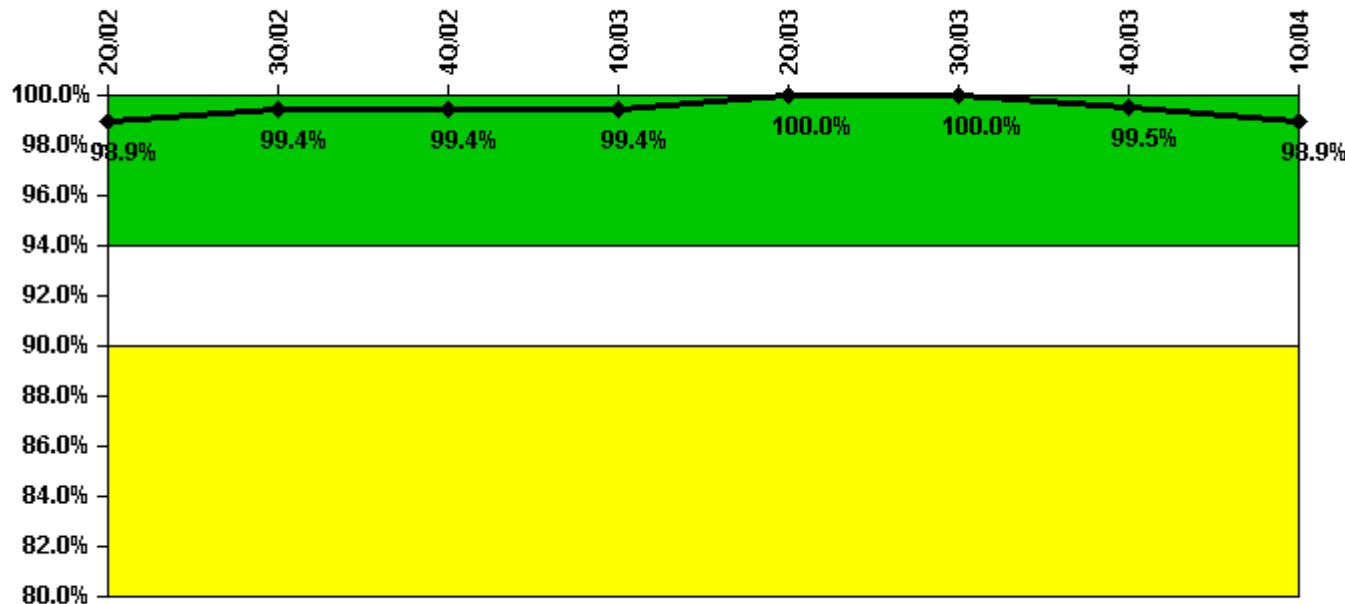
#### **Notes**

<b>ERO Drill Participation</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>
Participating Key personnel	106.0	101.0	104.0	102.0	101.0	100.0	108.0	100.0
Total Key personnel	108.0	103.0	104.0	102.0	101.0	100.0	108.0	103.0
<b>Indicator value</b>	<b>98.1%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>97.1%</b>

Licensee Comments: none

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## Alert & Notification System



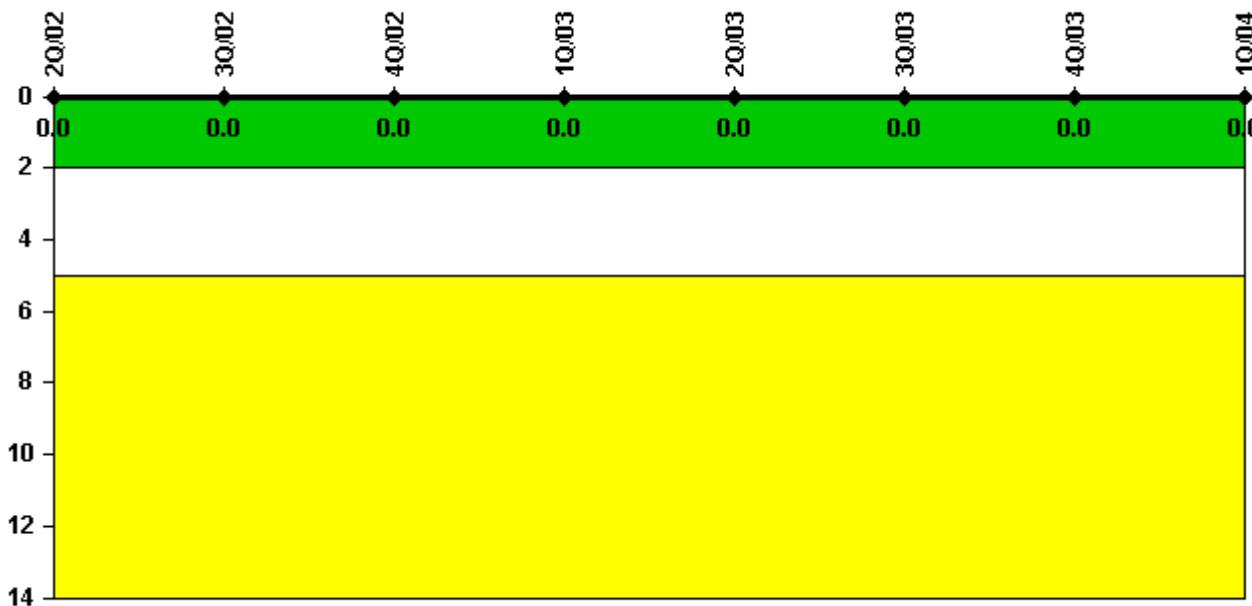
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	44	45	42	48	45	45	47	47
Total sirens-tests	45	45	42	48	45	45	48	48
Indicator value	98.9%	99.4%	99.4%	99.4%	100.0%	100.0%	99.5%	98.9%

Licensee Comments: none

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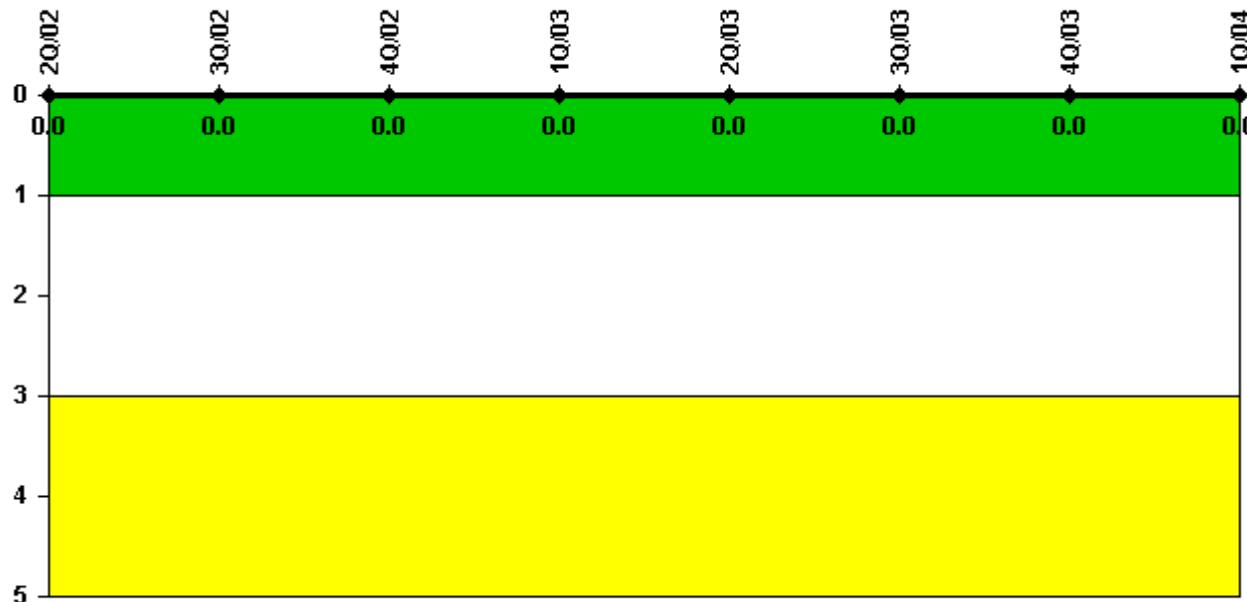
**Occupational Exposure Control Effectiveness**

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**

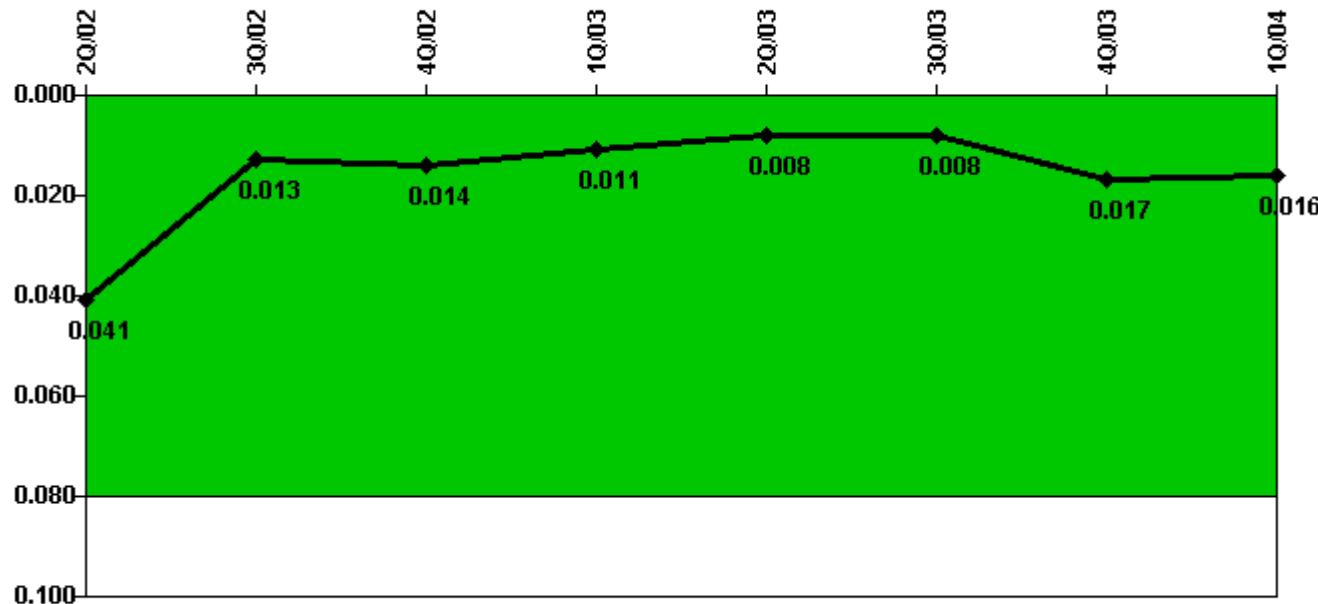
Thresholds: White > 1.0 Yellow > 3.0

**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

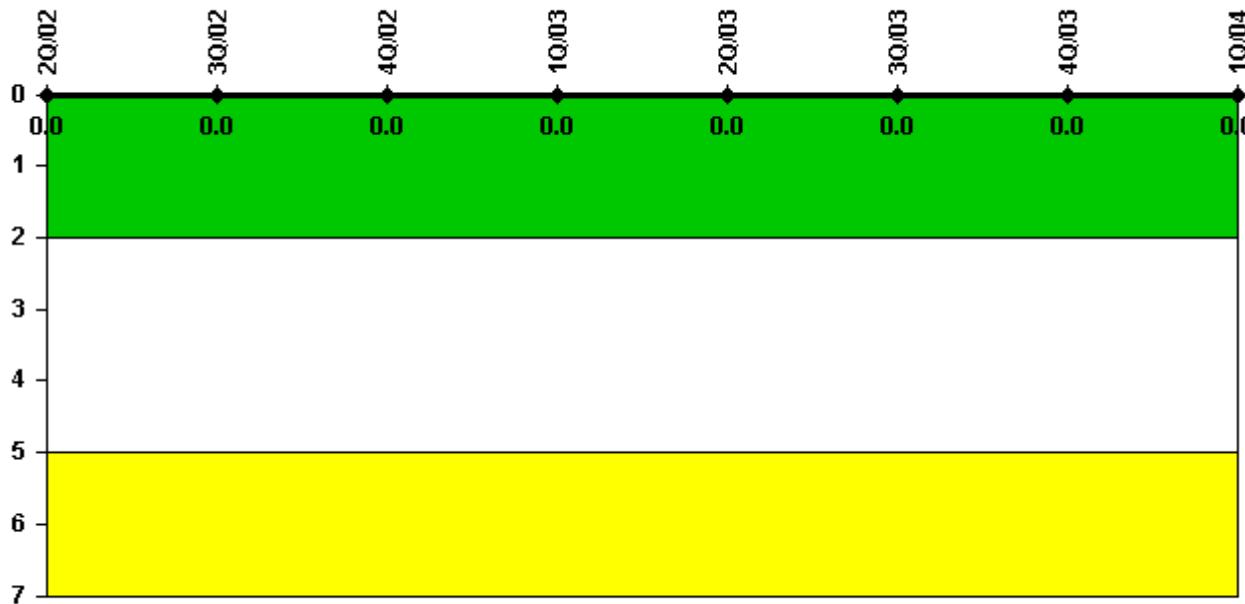


Thresholds: White > 0.080

### 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	104.00	27.90	110.90	15.60	73.13	21.04	131.40	7.60
CCTV compensatory hours	29.8	12.0	0.1	1.9	0	0	149.7	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.041</b>	<b>0.013</b>	<b>0.014</b>	<b>0.011</b>	<b>0.008</b>	<b>0.008</b>	<b>0.017</b>	<b>0.016</b>

Licensee Comments: none

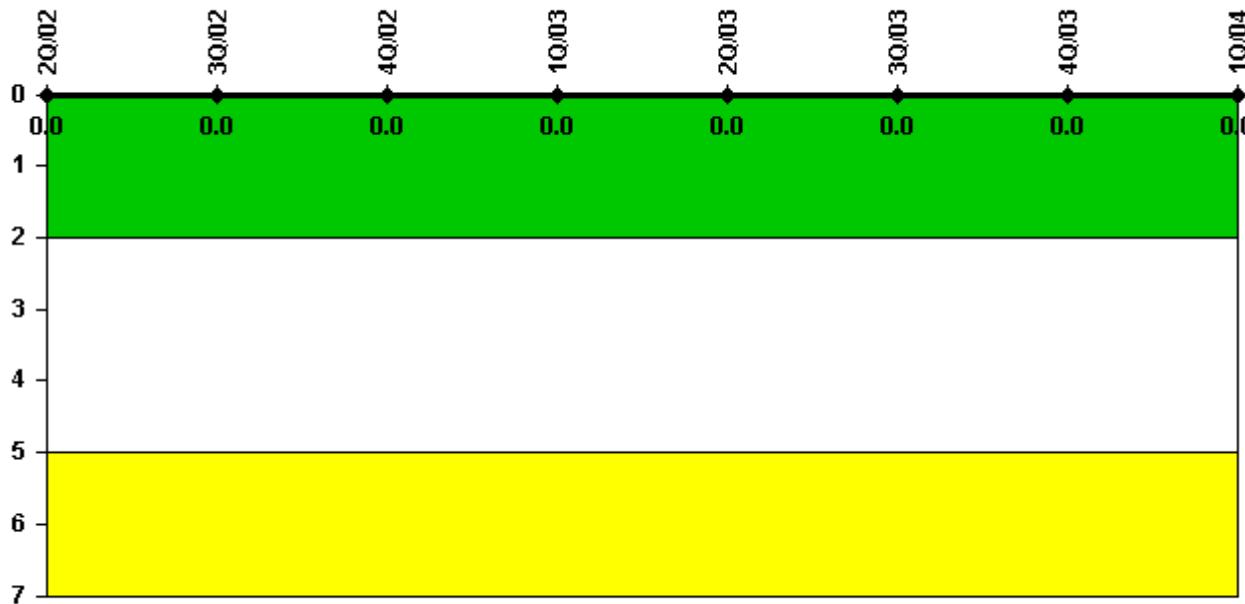
**Personnel Screening Program**

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	<b>0</b>							

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

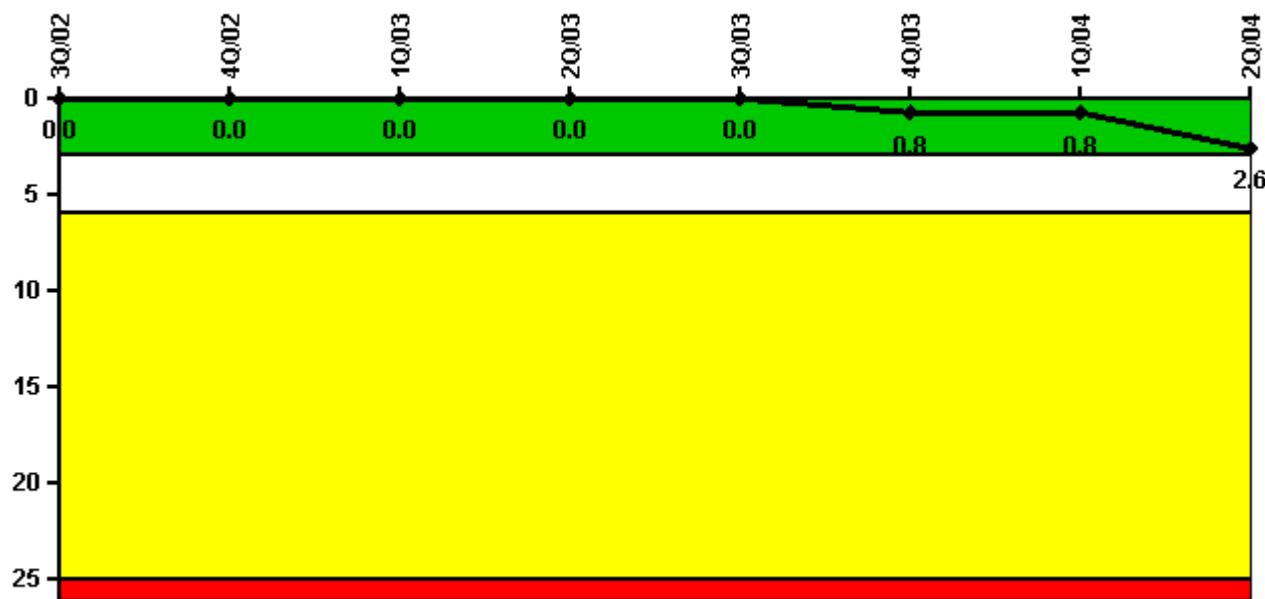


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 22, 2004

**Farley 2****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	1.0	0	2.0
Critical hours	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8
<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>2.6</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



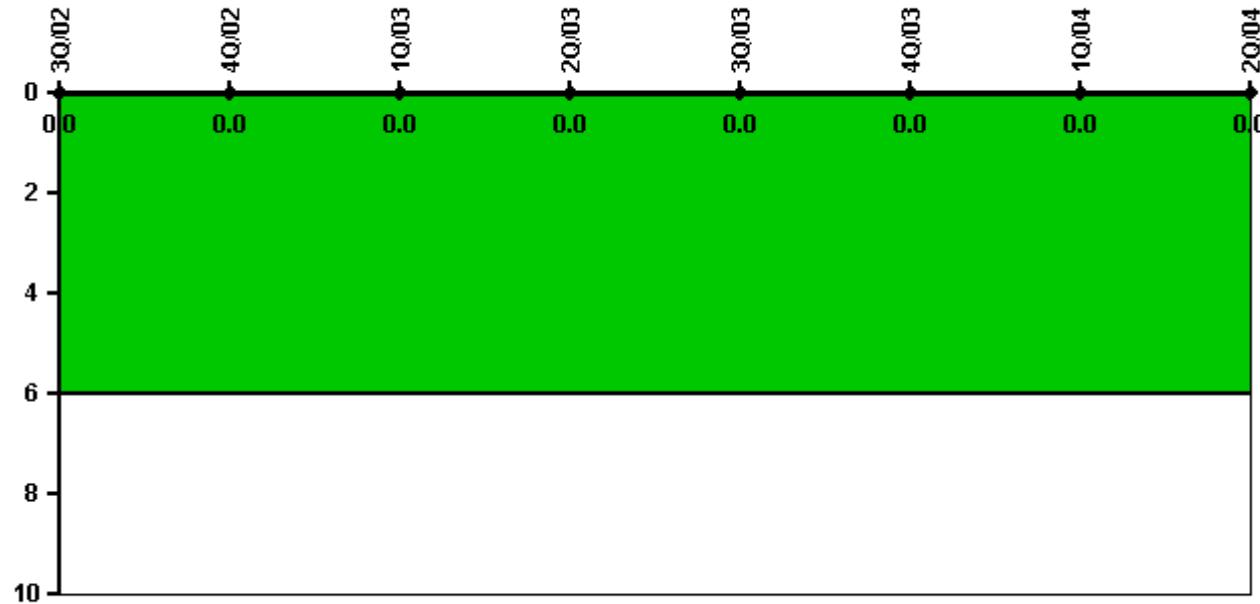
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



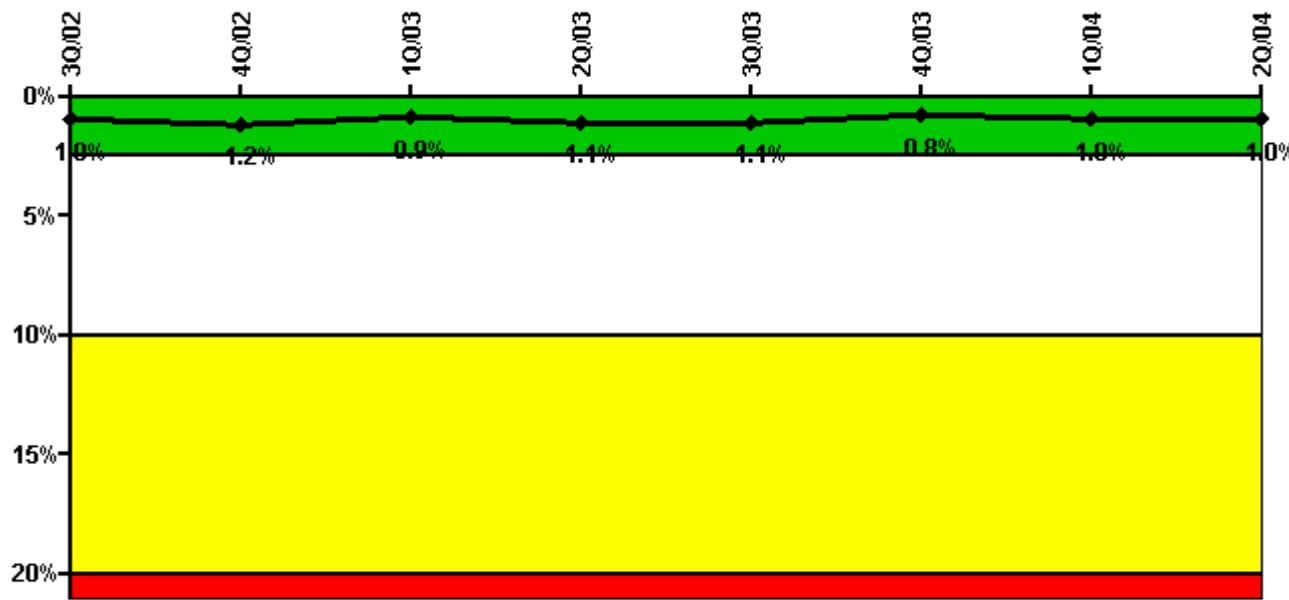
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1801.1	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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



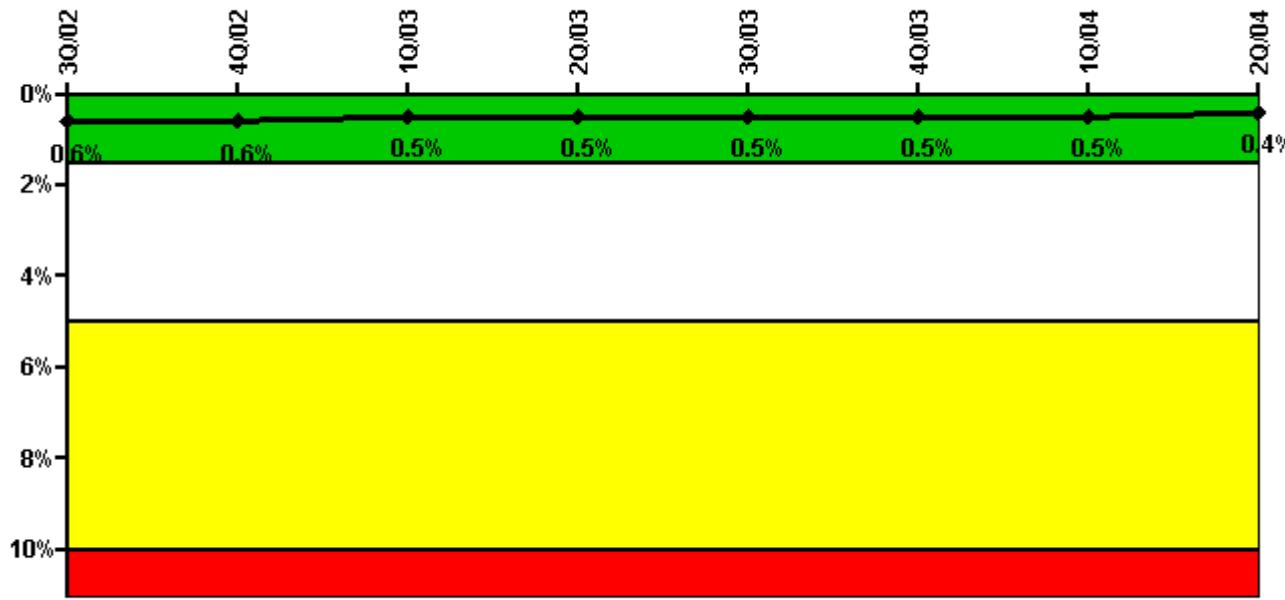
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	10.50	6.60	0.97	125.40	26.10	29.70	0	43.00
Unplanned unavailable hours	0	101.90	0	1.40	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 2</b>								
Planned unavailable hours	14.10	15.10	0.25	0.30	106.20	0.50	34.22	0
Unplanned unavailable hours	8.00	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	7.80	0.20	0.25	7.40	10.20	3.90	99.10	39.60
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>1.0%</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>

Licensee Comments: none

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



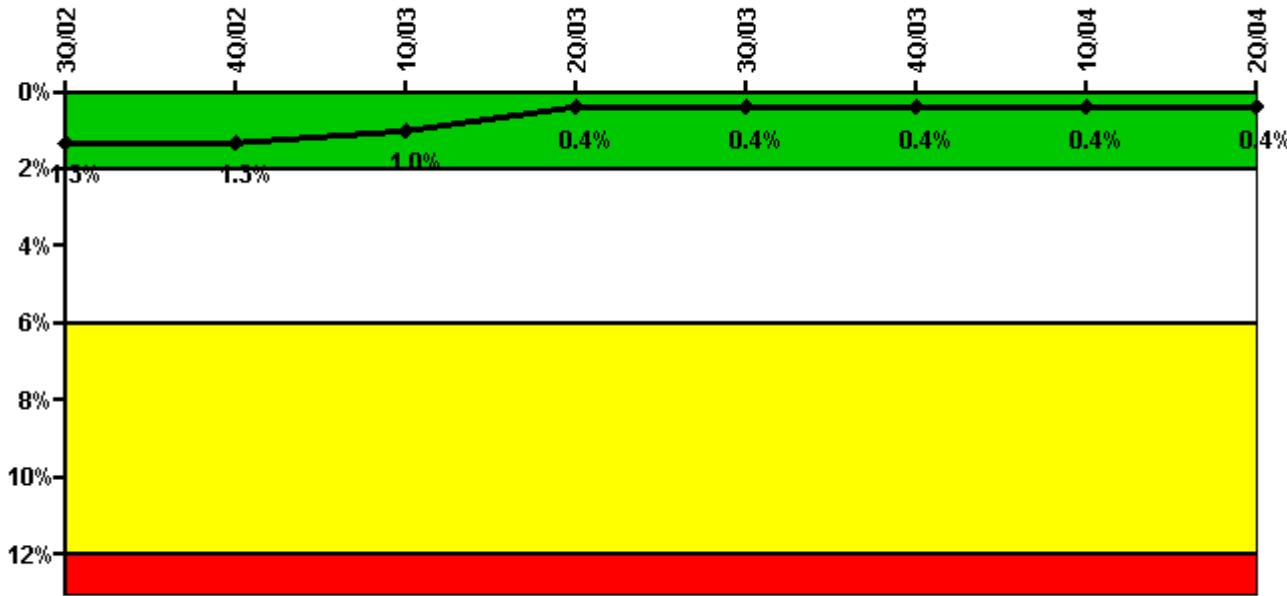
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>									
Planned unavailable hours		9.60	5.40	3.40	5.40	3.10	4.30	2.10	1.90
Unplanned unavailable hours		0	0	0	0	0	1.20	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		1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83
<b>Train 2</b>									
Planned unavailable hours		2.30	6.40	13.10	1.50	3.90	5.70	3.40	51.20
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		1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83
<b>Indicator value</b>		<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>

Licensee Comments: none

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



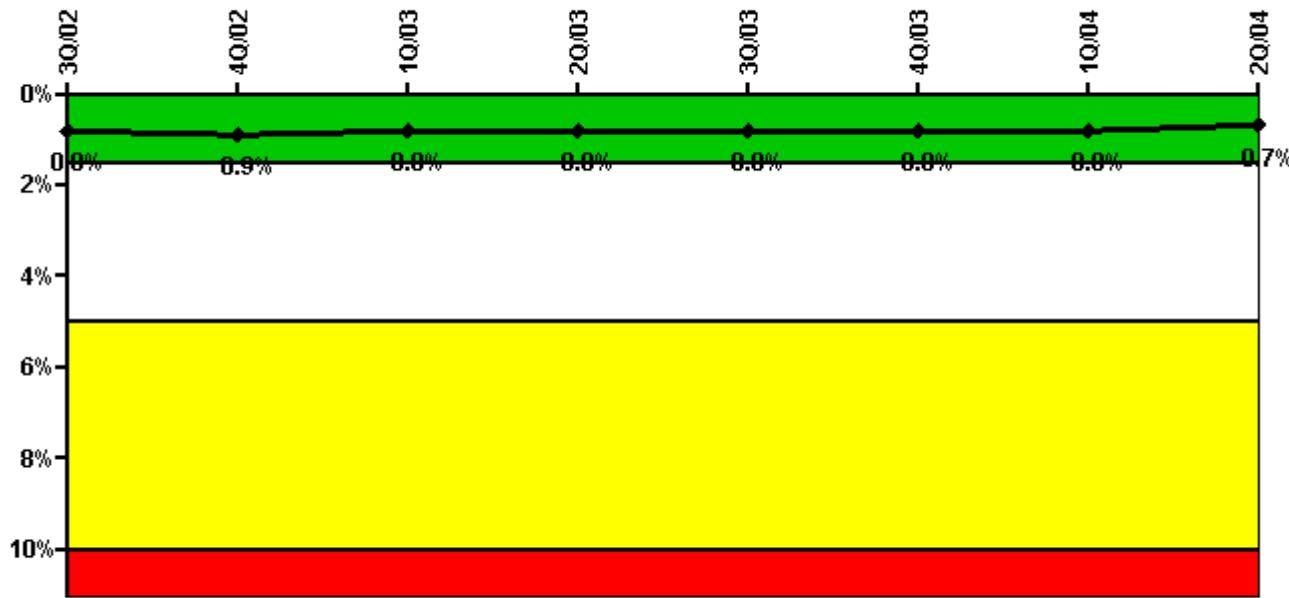
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	10.10	5.40	3.96	5.40	3.60	7.20	2.10	1.90
Unplanned unavailable hours	0	0	0	0	0	1.20	1.20	12.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83
<b>Train 2</b>								
Planned unavailable hours	2.80	9.40	11.91	1.50	5.50	5.70	3.40	44.00
Unplanned unavailable hours	0	0	1.50	0	2.50	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	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83
<b>Train 3</b>								
Planned unavailable hours	3.20	2.80	2.73	2.60	1.80	0.60	1.80	10.00
Unplanned unavailable hours	0	0.40	0	37.50	0	0	0	23.30
Fault exposure hours	0	0	0	0	0	0	0	14.30
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1801.10	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83
<b>Indicator value</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</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

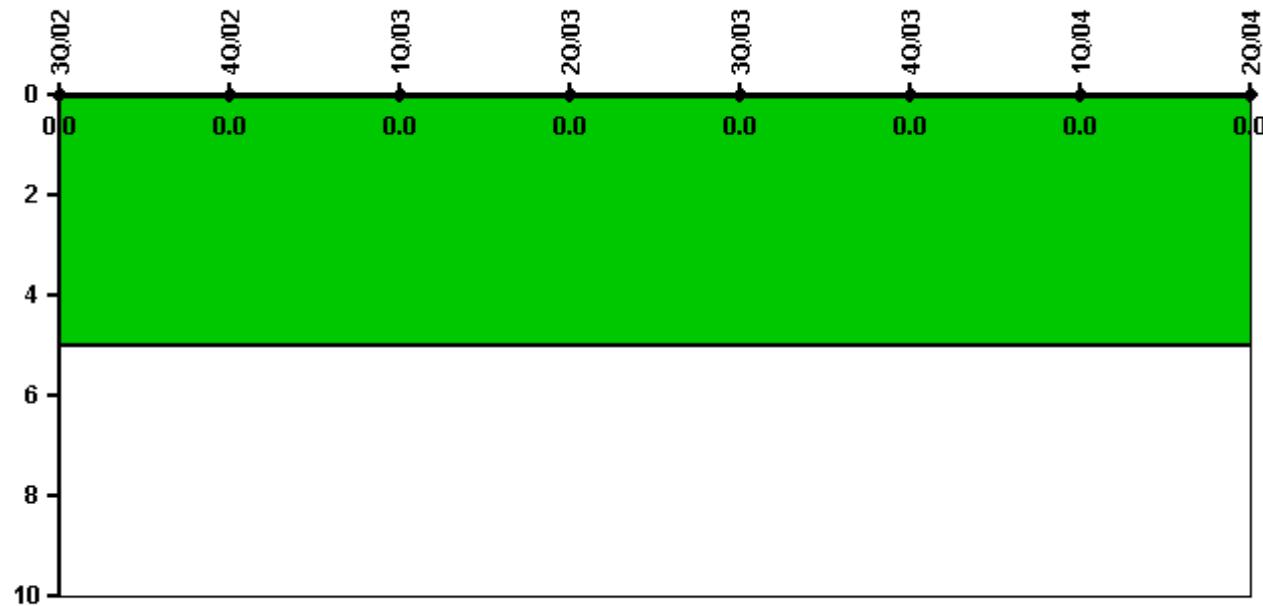


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
<b>Train 1</b>								
Planned unavailable hours	10.50	16.60	4.70	21.90	27.10	5.20	17.30	2.70
Unplanned unavailable hours	0	0	10.50	0	0	1.20	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	6.60	12.60	13.60	13.00	4.80	19.40	3.70	44.20
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>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

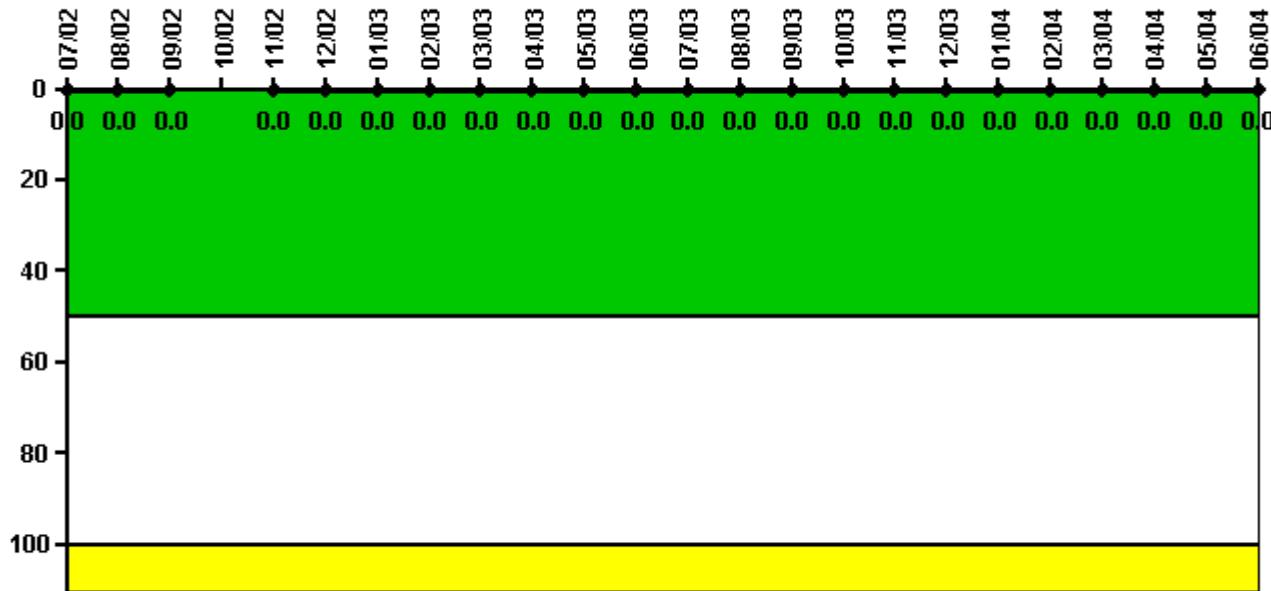
Thresholds: White > 5.0

**Notes**

Safety System Functional Failures (PWR)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
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

## Reactor Coolant System Activity



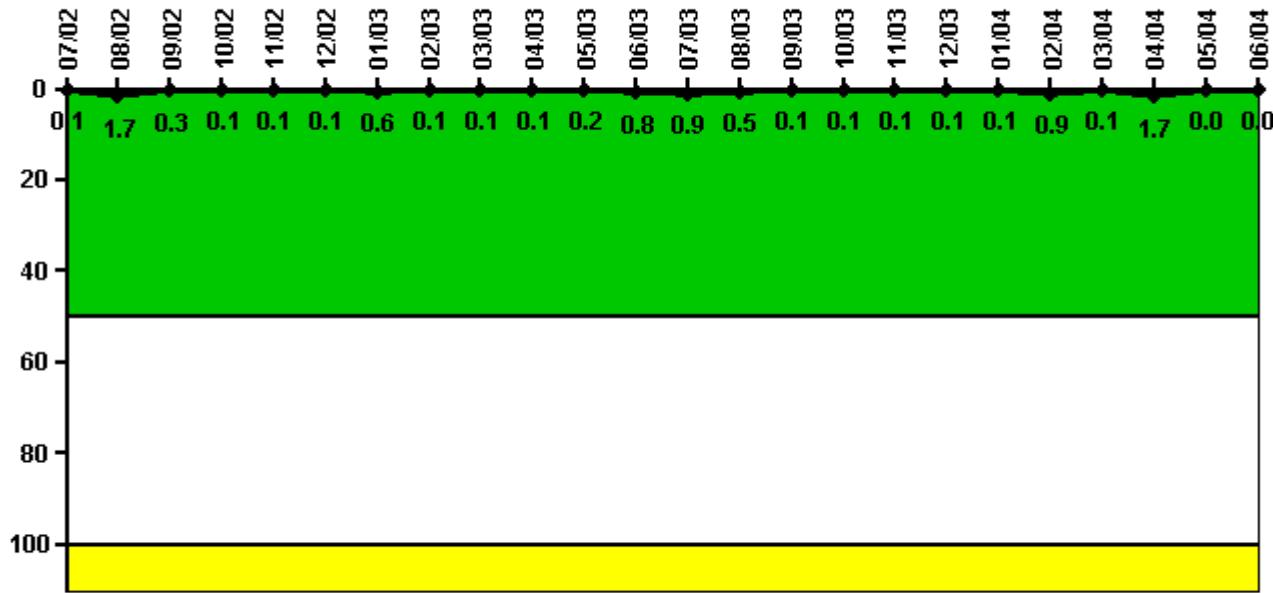
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000127	0.000168	0.000172	N/A	0.000069	0.000065	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</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	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101	0.000099	0.000133	0.000096	0.000053	0.000052	0.000082
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<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



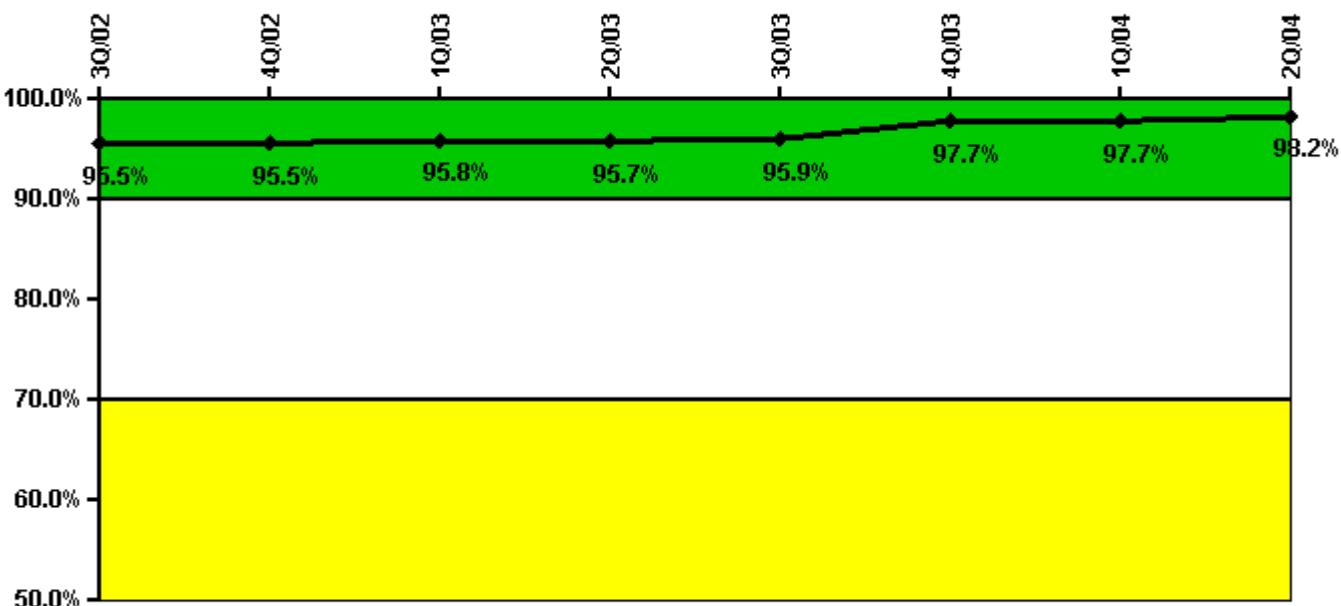
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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	0.012	0.170	0.033	0.010	0.011	0.012	0.060	0.012	0.012	0.012	0.017	0.079
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.1</b>	<b>1.7</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.8</b>
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	0.093	0.050	0.010	0.009	0.014	0.009	0.009	0.093	0.012	0.165	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.1</b>	<b>1.7</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Drill/Exercise Performance



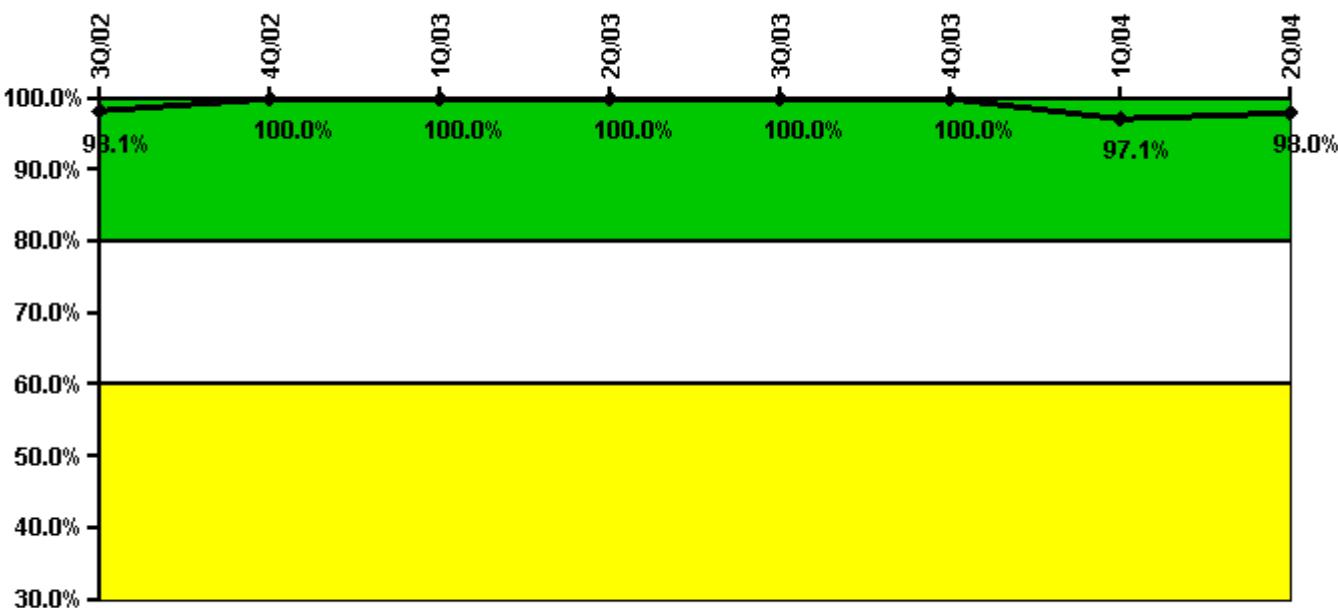
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	56.0	8.0	8.0	8.0	33.0	102.0	0	2.0
Total opportunities	58.0	8.0	8.0	8.0	34.0	103.0	0	2.0
<b>Indicator value</b>	<b>95.5%</b>	<b>95.5%</b>	<b>95.8%</b>	<b>95.7%</b>	<b>95.9%</b>	<b>97.7%</b>	<b>97.7%</b>	<b>98.2%</b>

Licensee Comments: none

### ERO Drill Participation



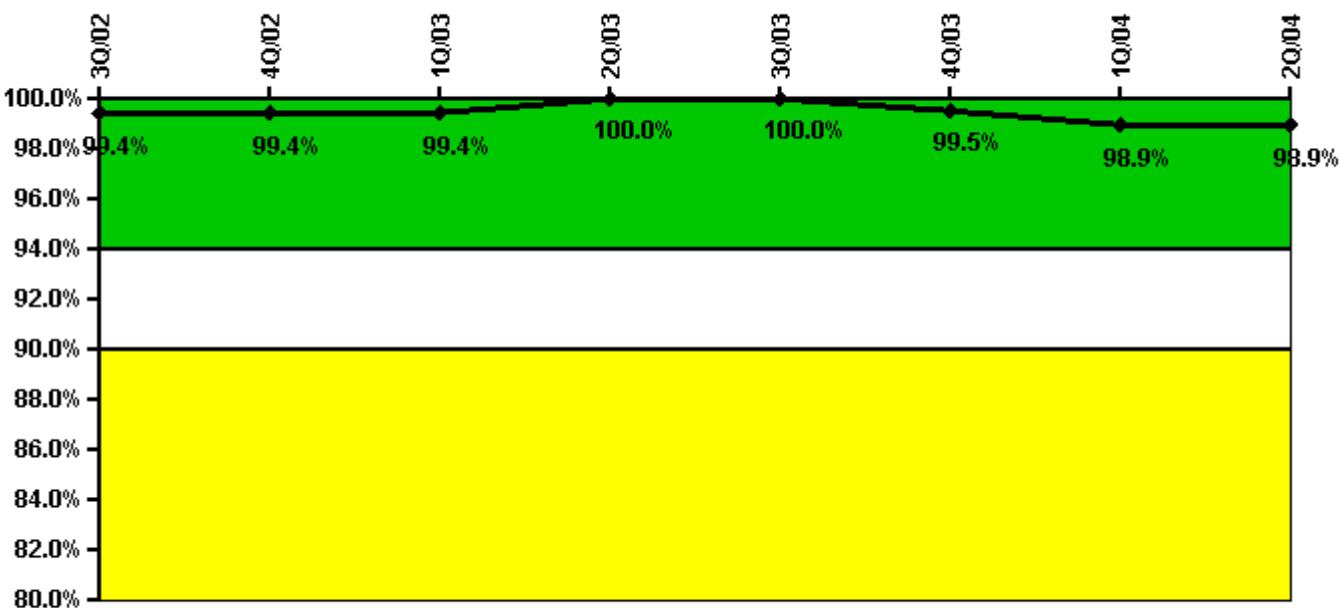
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	101.0	104.0	102.0	101.0	100.0	108.0	100.0	97.0
Total Key personnel	103.0	104.0	102.0	101.0	100.0	108.0	103.0	99.0
<b>Indicator value</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>97.1%</b>	<b>98.0%</b>

Licensee Comments: none

## Alert & Notification System



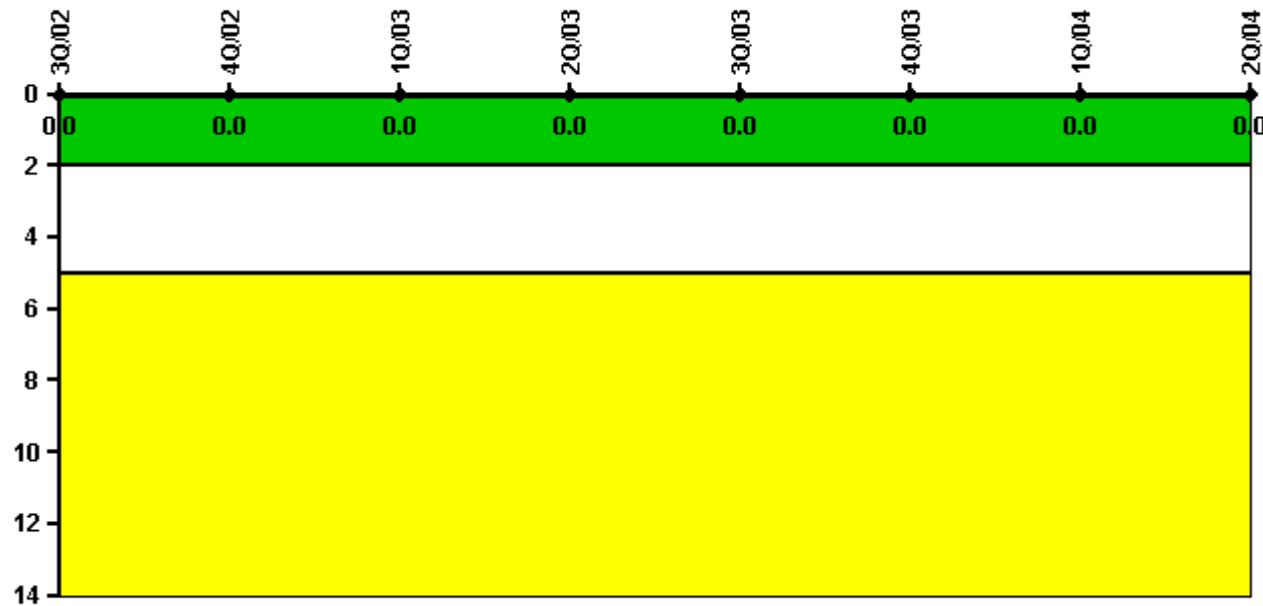
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	45	42	48	45	45	47	47	45
Total sirens-tests	45	42	48	45	45	48	48	45
<b>Indicator value</b>	<b>99.4%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.9%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness

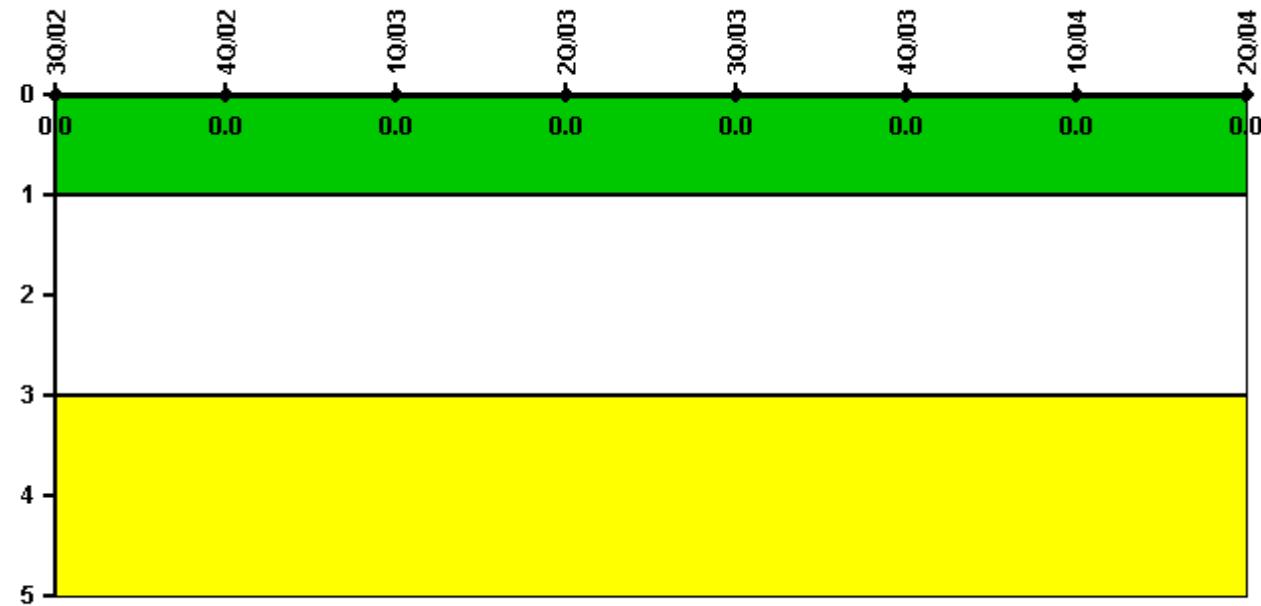


Thresholds: White > 2.0 Yellow > 5.0

### 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.

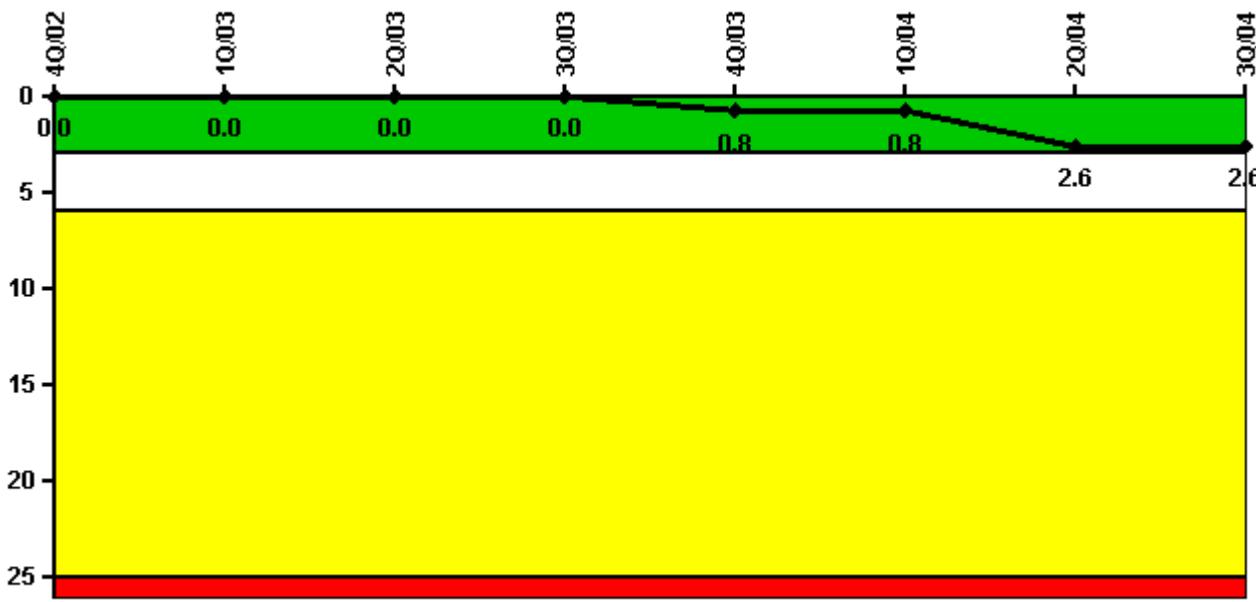


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: September 8, 2004

**Farley 2****3Q/2004 Performance Indicators**

Licensee's General Comments: none

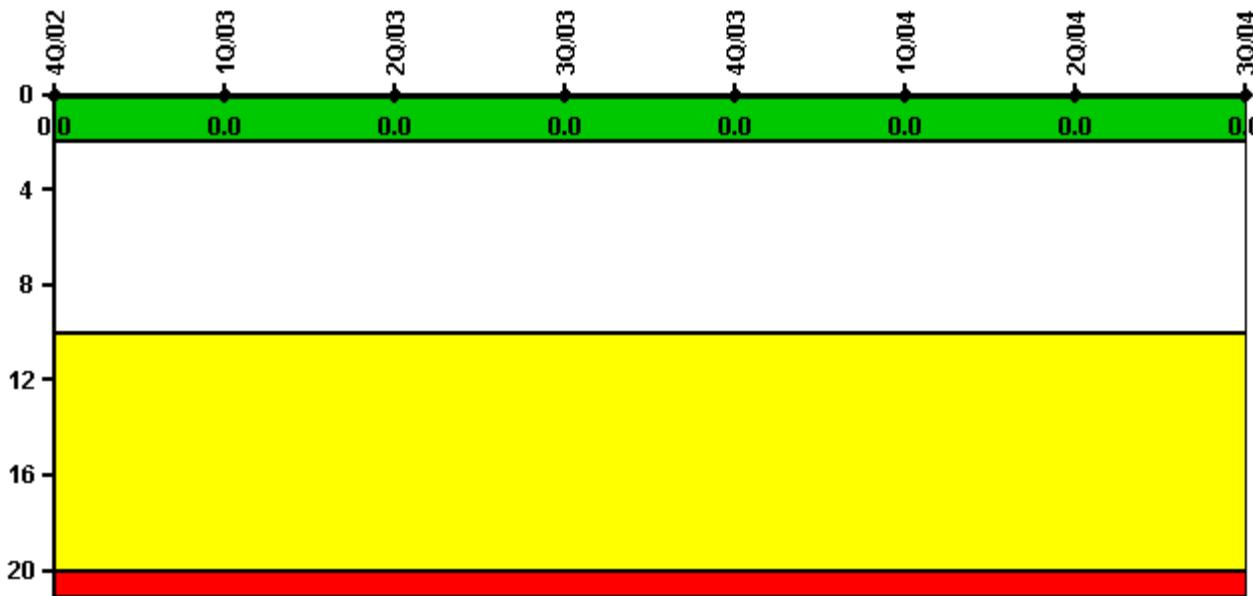
**Unplanned Scrams per 7000 Critical Hrs**

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	1.0	0	2.0	0
Critical hours	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

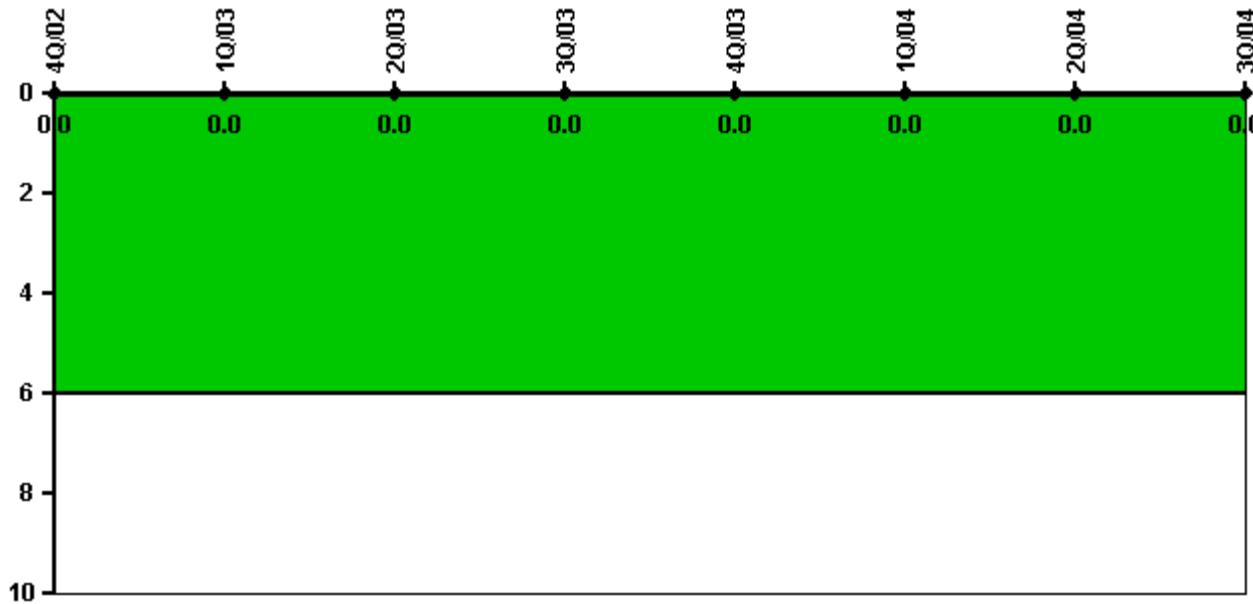
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	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	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

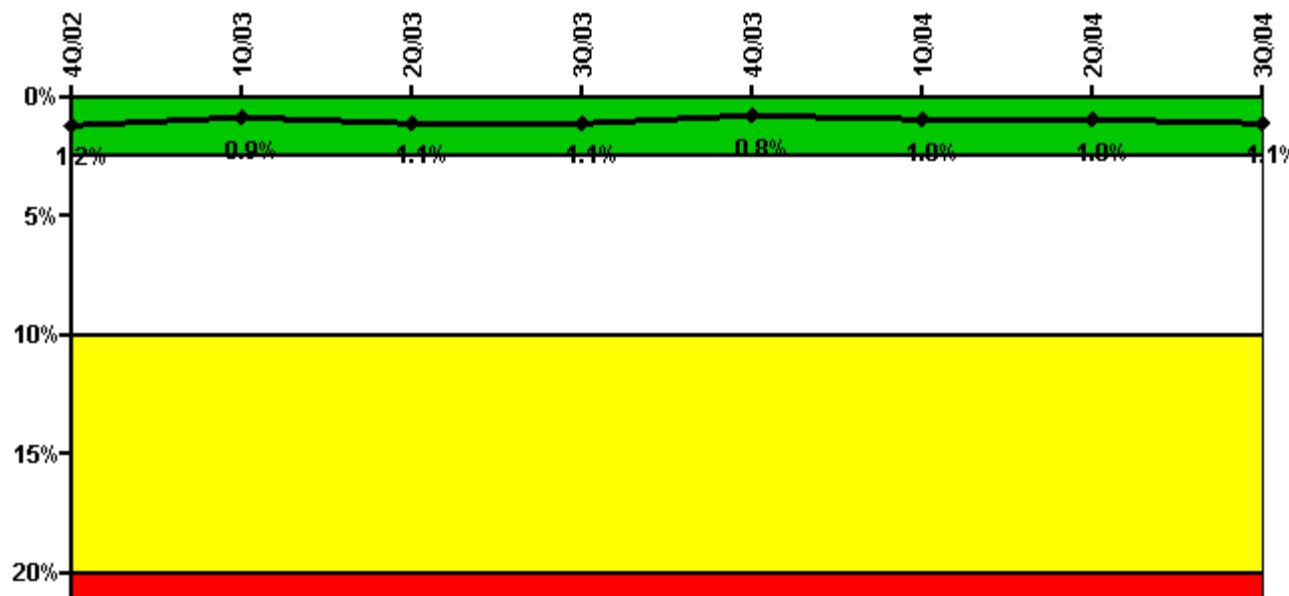
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1558.6	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0
Indicator value	<b>0</b>							

Licensee Comments: none

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



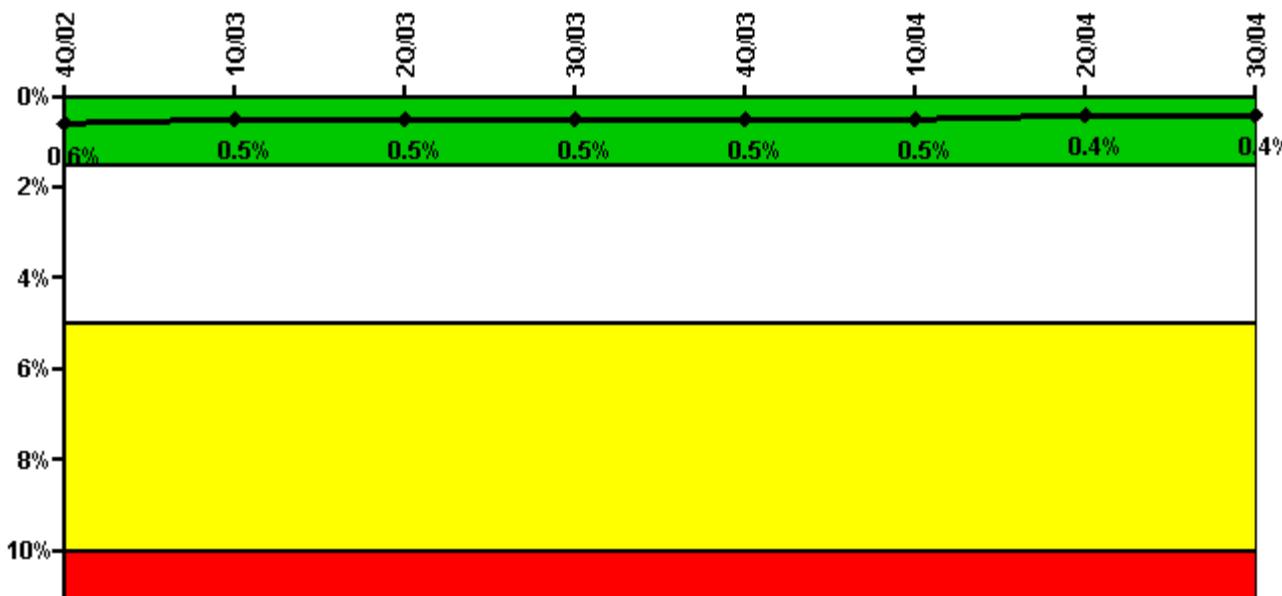
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	6.60	0.97	125.40	26.10	29.70	0	43.00	0
Unplanned unavailable hours	101.90	0	1.40	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 2</b>								
Planned unavailable hours	15.10	0.25	0.30	106.20	0.50	34.22	0	23.20
Unplanned unavailable hours	0	0	0	0	0	0	0	11.60
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	0.20	0.25	7.40	10.20	3.90	99.10	39.60	34.00
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>1.2%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>

Licensee Comments: none

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



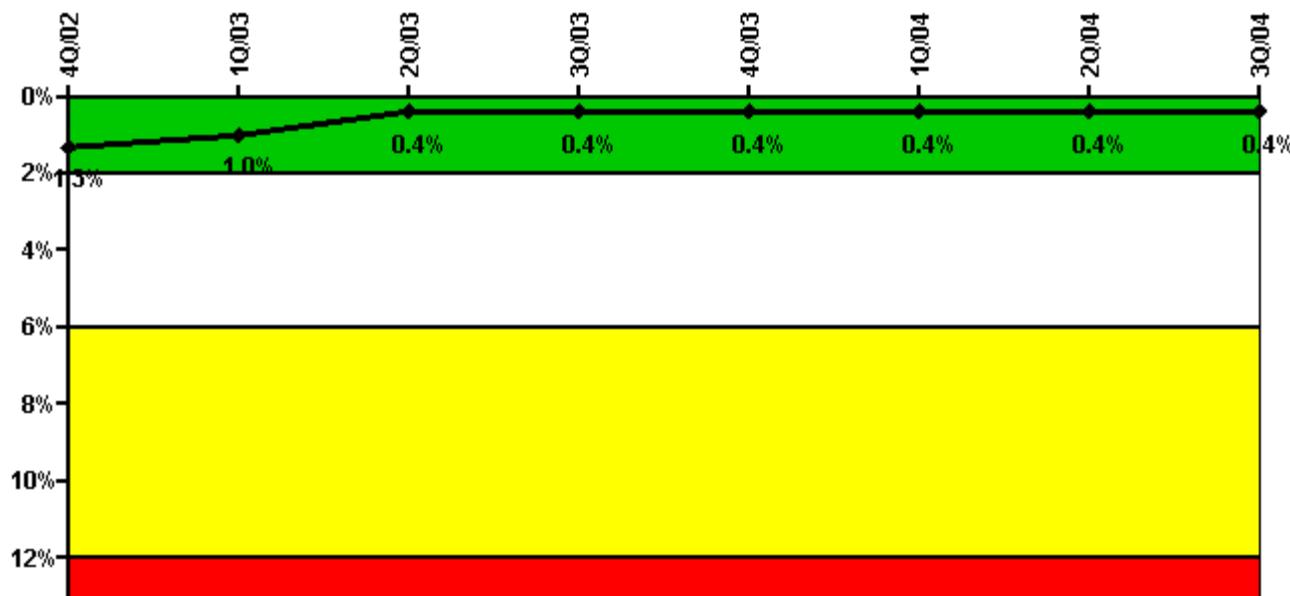
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	5.40	3.40	5.40	3.10	4.30	2.10	1.90	5.60
Unplanned unavailable hours	0	0	0	0	1.20	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	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00
<b>Train 2</b>								
Planned unavailable hours	6.40	13.10	1.50	3.90	5.70	3.40	51.20	2.20
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	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.5%</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 Unavailability, Heat Removal System (AFW)



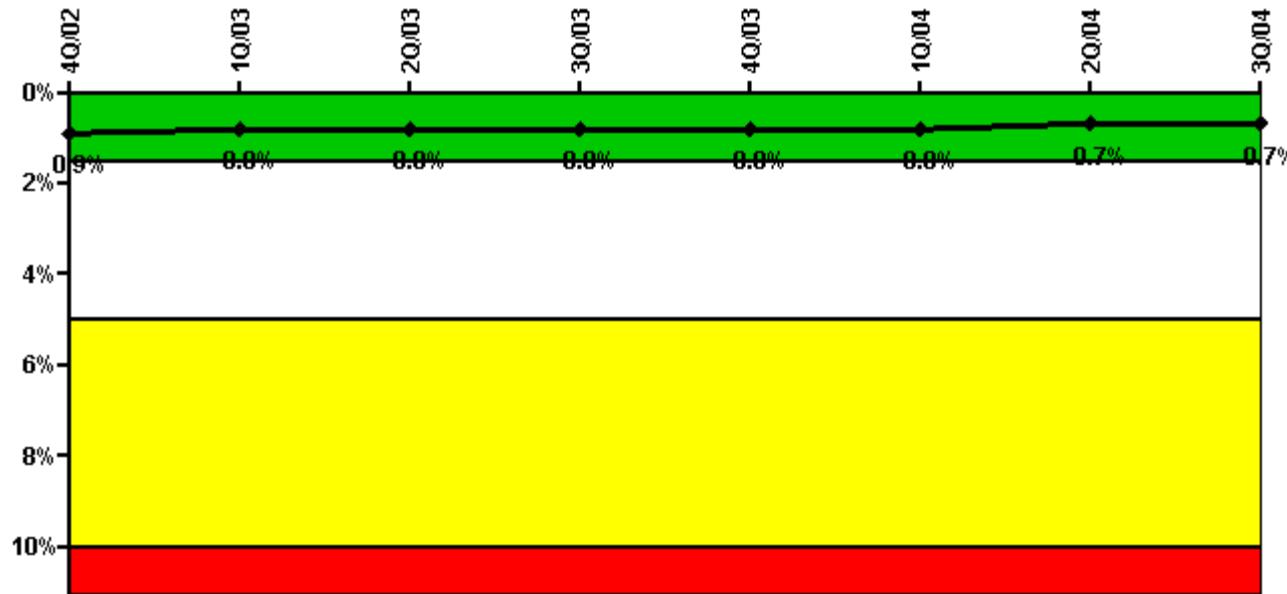
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	5.40	3.96	5.40	3.60	7.20	2.10	1.90	6.00
Unplanned unavailable hours	0	0	0	0	1.20	1.20	12.00	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	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00
<b>Train 2</b>								
Planned unavailable hours	9.40	11.91	1.50	5.50	5.70	3.40	44.00	3.60
Unplanned unavailable hours	0	1.50	0	2.50	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	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00
<b>Train 3</b>								
Planned unavailable hours	2.80	2.73	2.60	1.80	0.60	1.80	10.00	12.90
Unplanned unavailable hours	0.40	0	37.50	0	0	0	23.30	0
Fault exposure hours	0	0	0	0	0	0	14.30	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1558.60	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00
<b>Indicator value</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.4%</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**

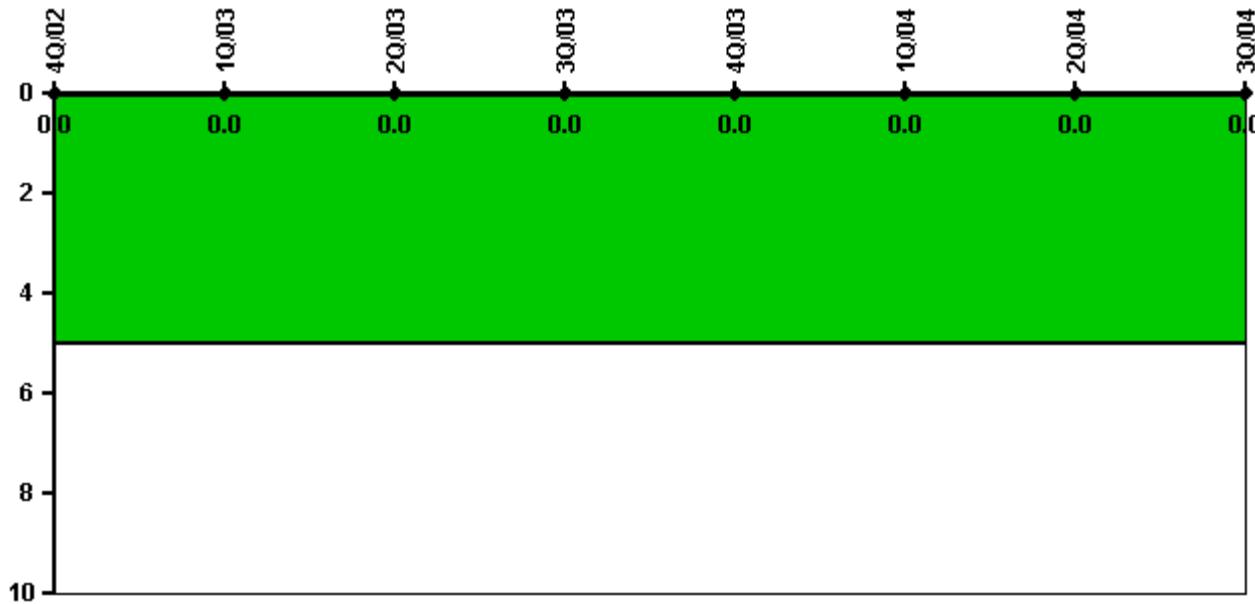


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	16.60	4.70	21.90	27.10	5.20	17.30	2.70	16.60
Unplanned unavailable hours	0	10.50	0	0	1.20	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	12.60	13.60	13.00	4.80	19.40	3.70	44.20	16.20
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>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

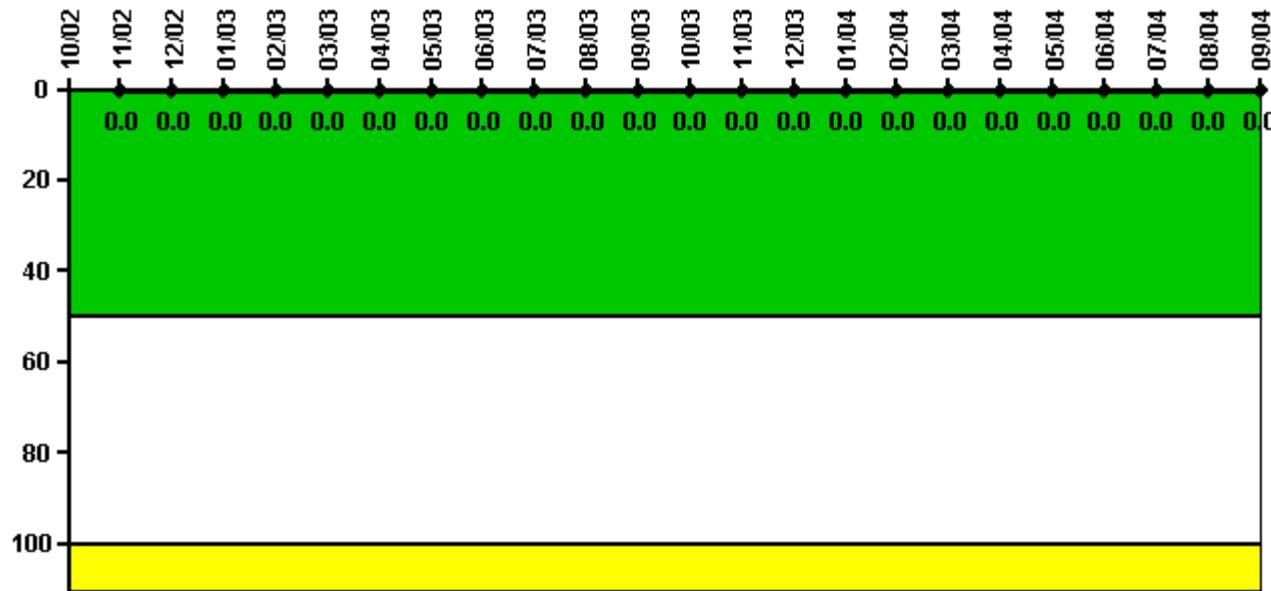
**Notes**

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

Licensee Comments: none

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## Reactor Coolant System Activity



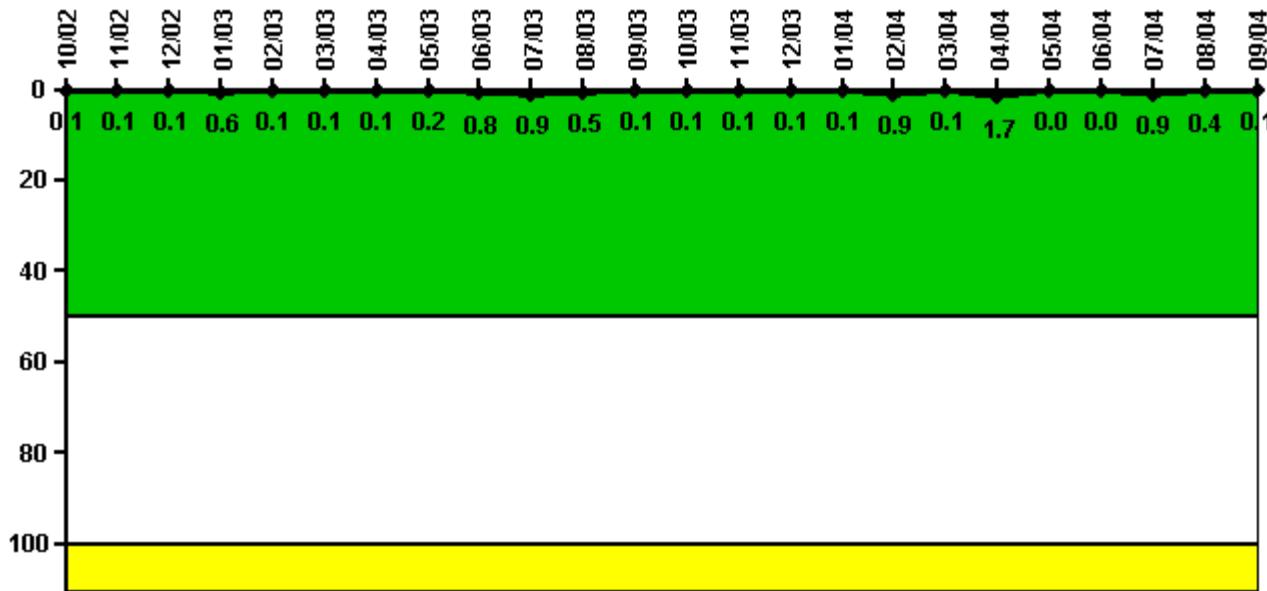
Thresholds: White > 50.0 Yellow > 100.0

### 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		N/A	0.000069	0.000065	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094
Technical specification limit		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value		N/A	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		0.000101	0.000092	0.000101	0.000099	0.000133	0.000096	0.000053	0.000052	0.000082	0.000066	0.000069	0.000078
Technical specification limit		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value		0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



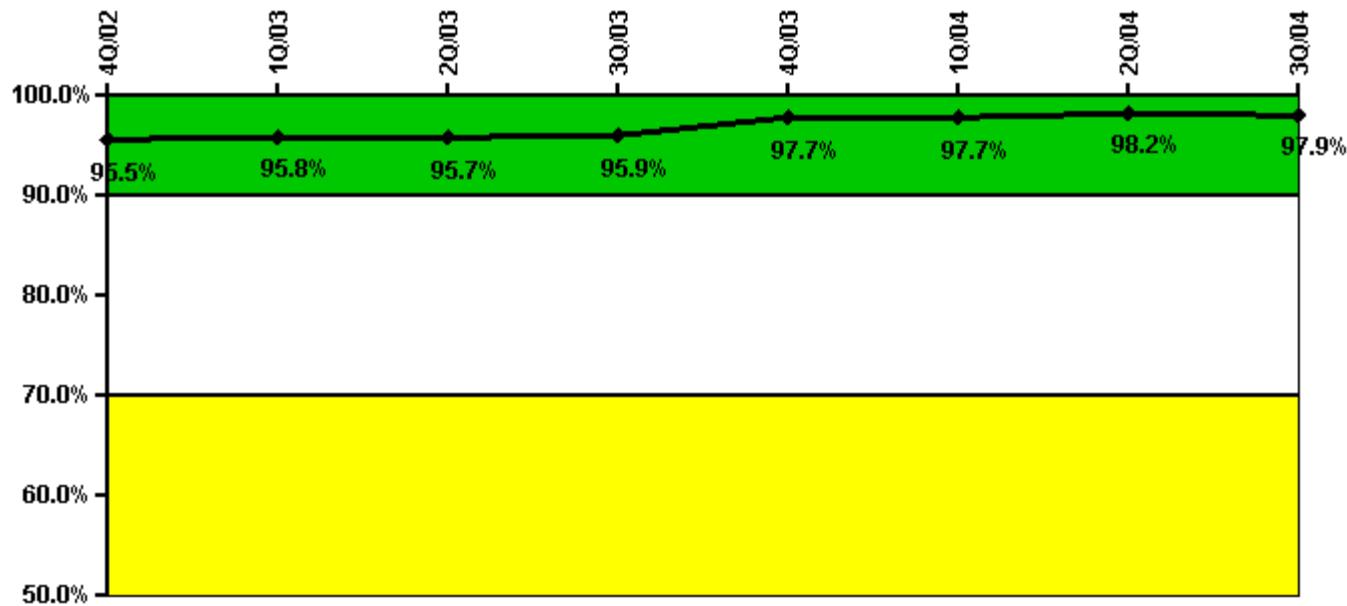
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.010	0.011	0.012	0.060	0.012	0.012	0.012	0.017	0.079	0.093	0.050	0.010
Indicator value	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.2	0.8	0.9	0.5	0.1
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	0.009	0.014	0.009	0.009	0.093	0.012	0.165	0	0	0.088	0.044	0.006
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.1	0.1	0.9	0.1	1.7	0	0	0.9	0.4	0.1

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

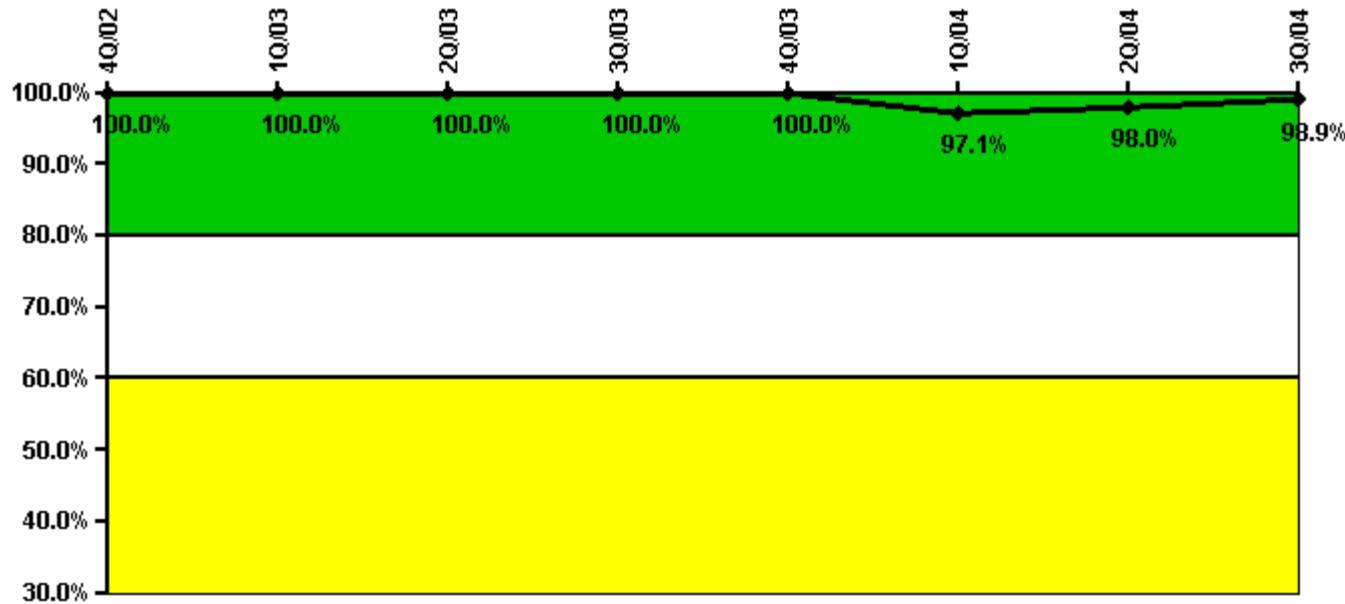
#### Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	8.0	8.0	8.0	33.0	102.0	0	2.0	71.0
Total opportunities	8.0	8.0	8.0	34.0	103.0	0	2.0	74.0
Indicator value	95.5%	95.8%	95.7%	95.9%	97.7%	97.7%	98.2%	97.9%

Licensee Comments: none

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### ERO Drill Participation



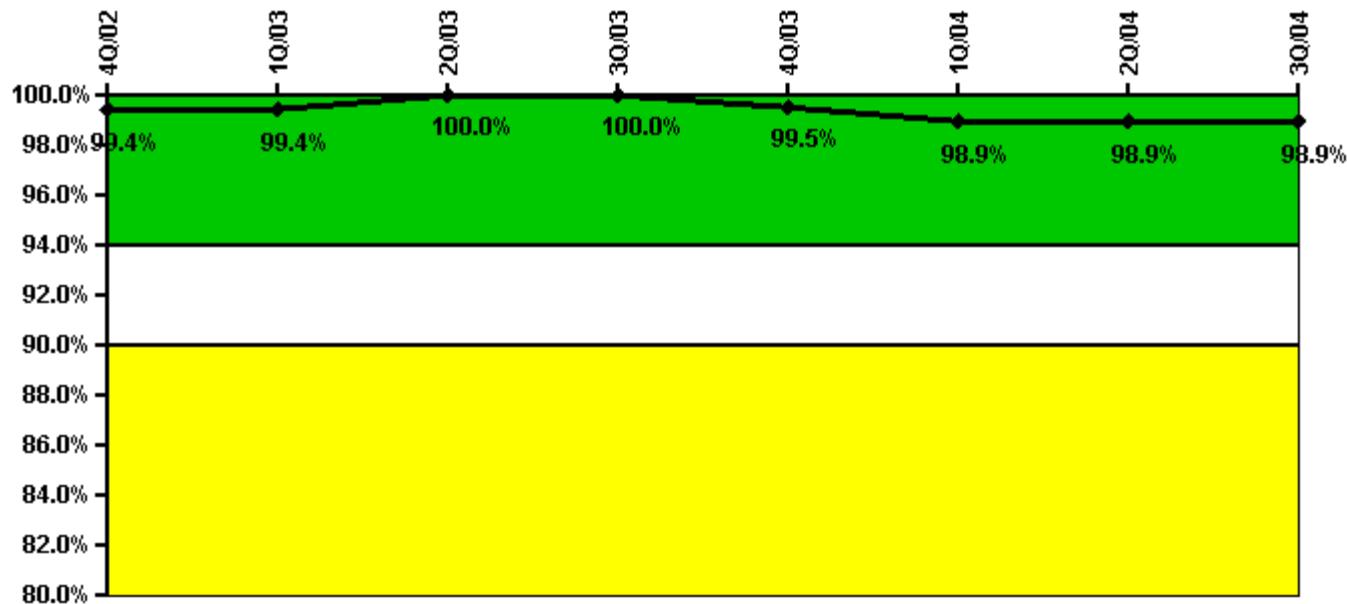
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	104.0	102.0	101.0	100.0	108.0	100.0	97.0	89.0
Total Key personnel	104.0	102.0	101.0	100.0	108.0	103.0	99.0	90.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>97.1%</b>	<b>98.0%</b>	<b>98.9%</b>

Licensee Comments: none

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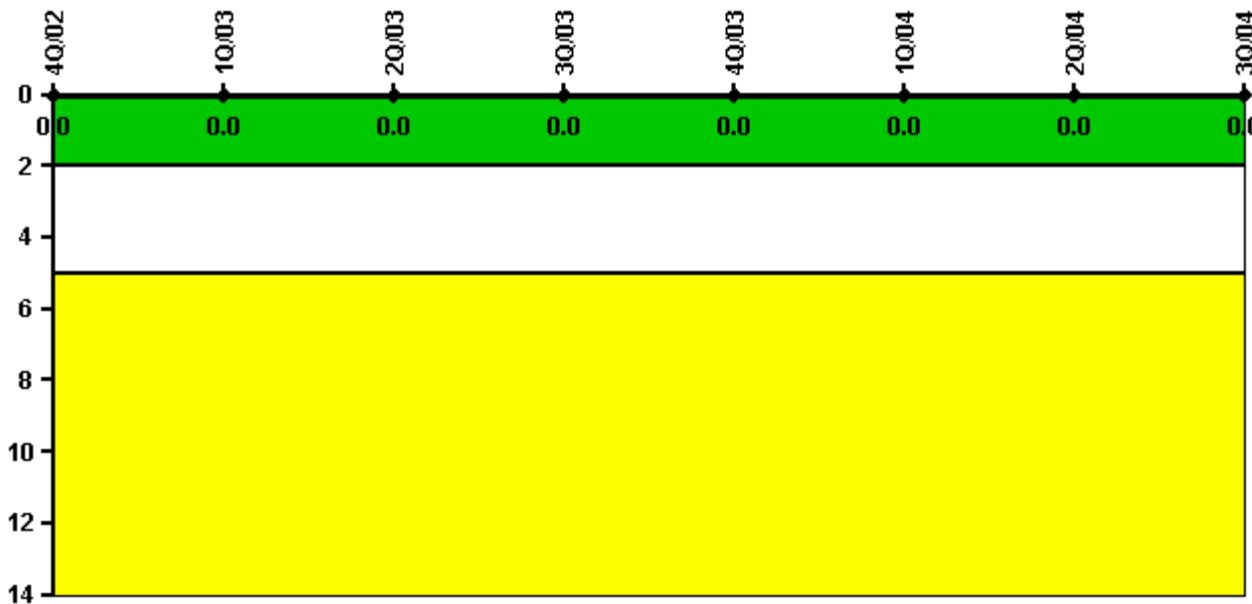
**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

**Notes**

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	42	48	45	45	47	47	45	45
Total sirens-tests	42	48	45	45	48	48	45	45
Indicator value	99.4%	99.4%	100.0%	100.0%	99.5%	98.9%	98.9%	98.9%

Licensee Comments: none

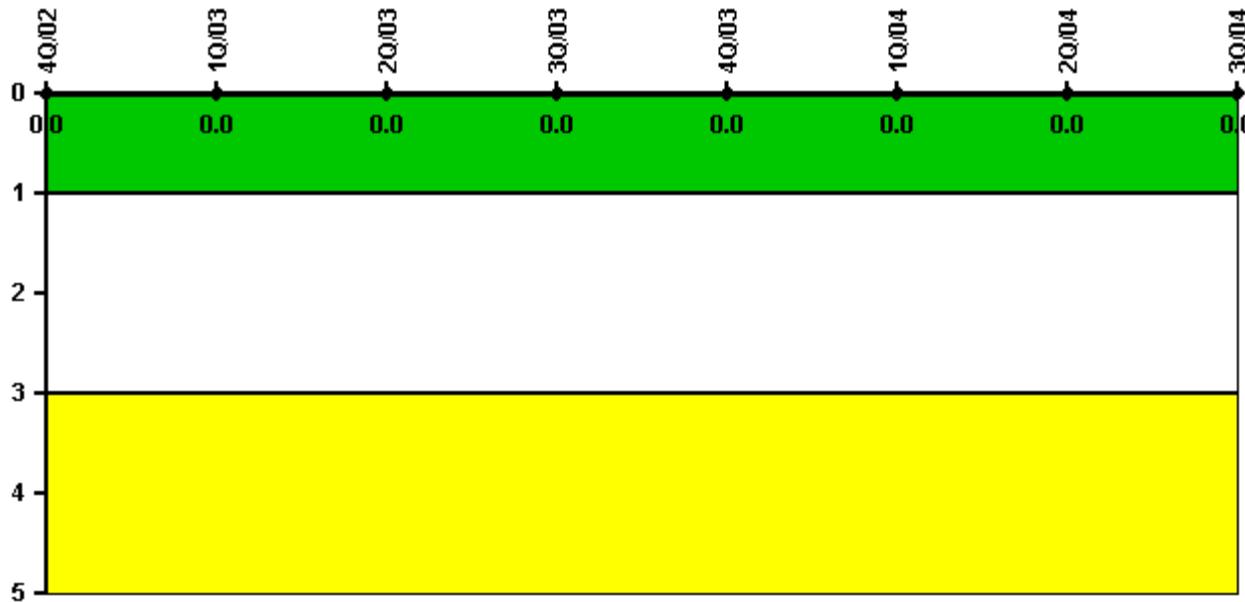
**Occupational Exposure Control Effectiveness**

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

**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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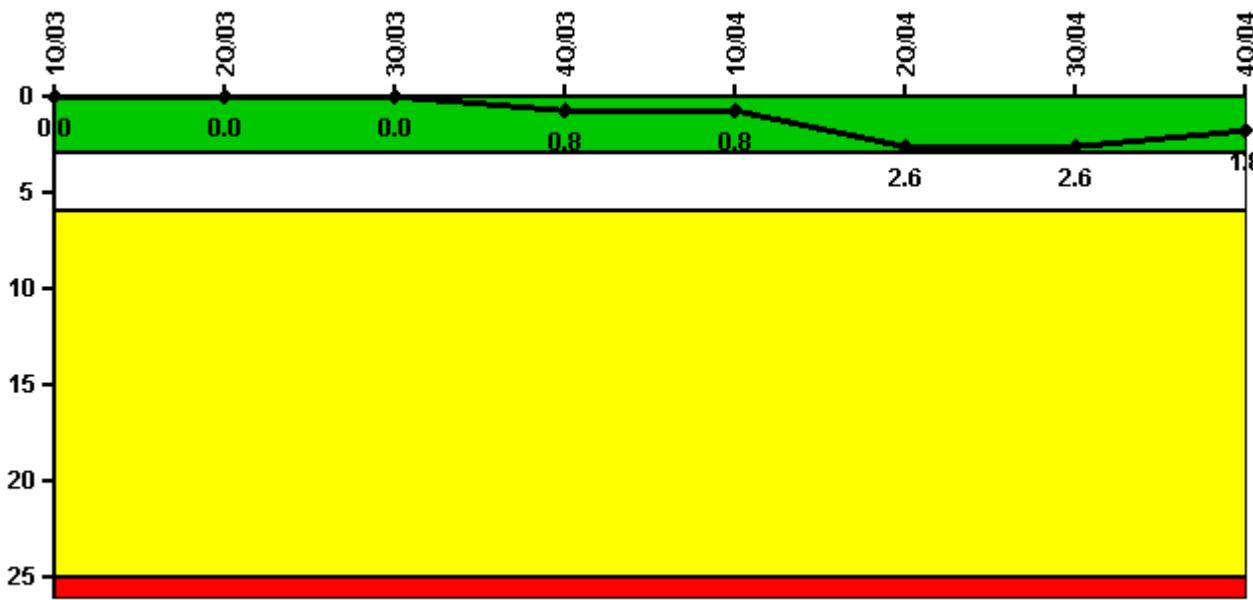


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2004

**Farley 2****4Q/2004 Performance Indicators**

Licensee's General Comments: none

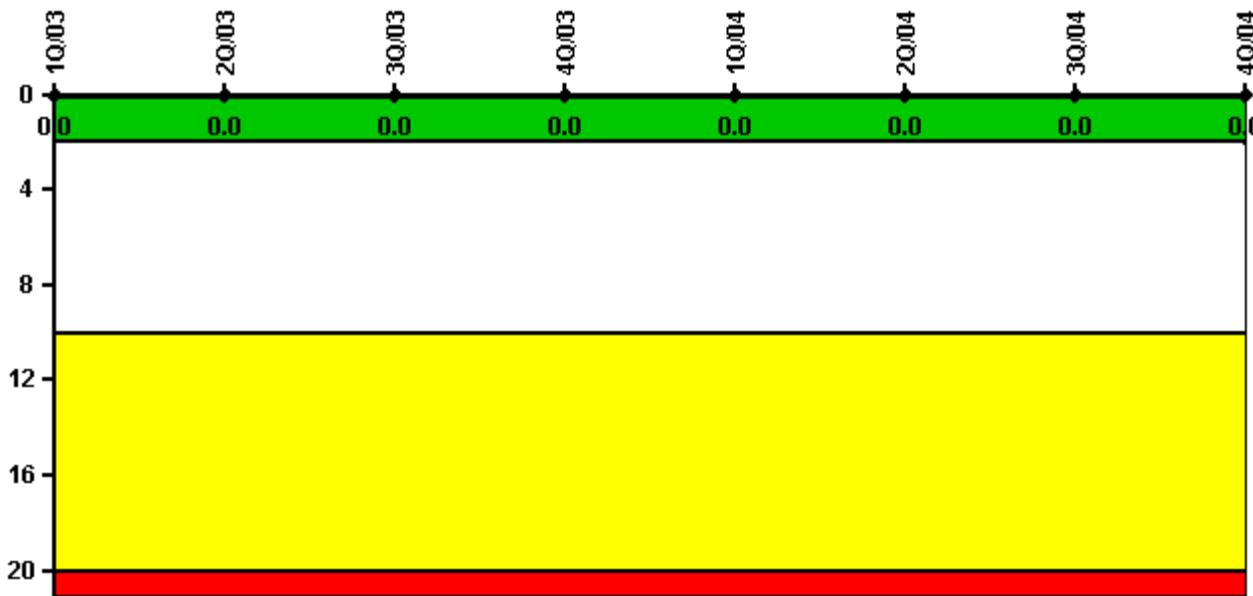
**Unplanned Scrams per 7000 Critical Hrs**

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

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	1.0	0	2.0	0	0
Critical hours	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>	<b>1.8</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

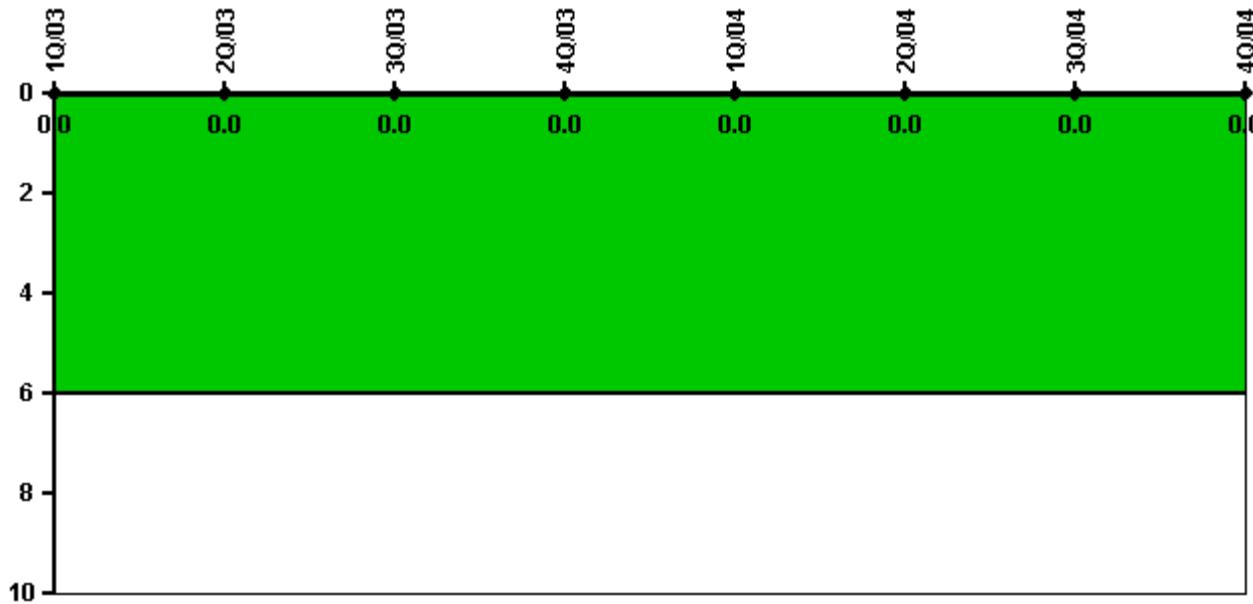
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/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	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

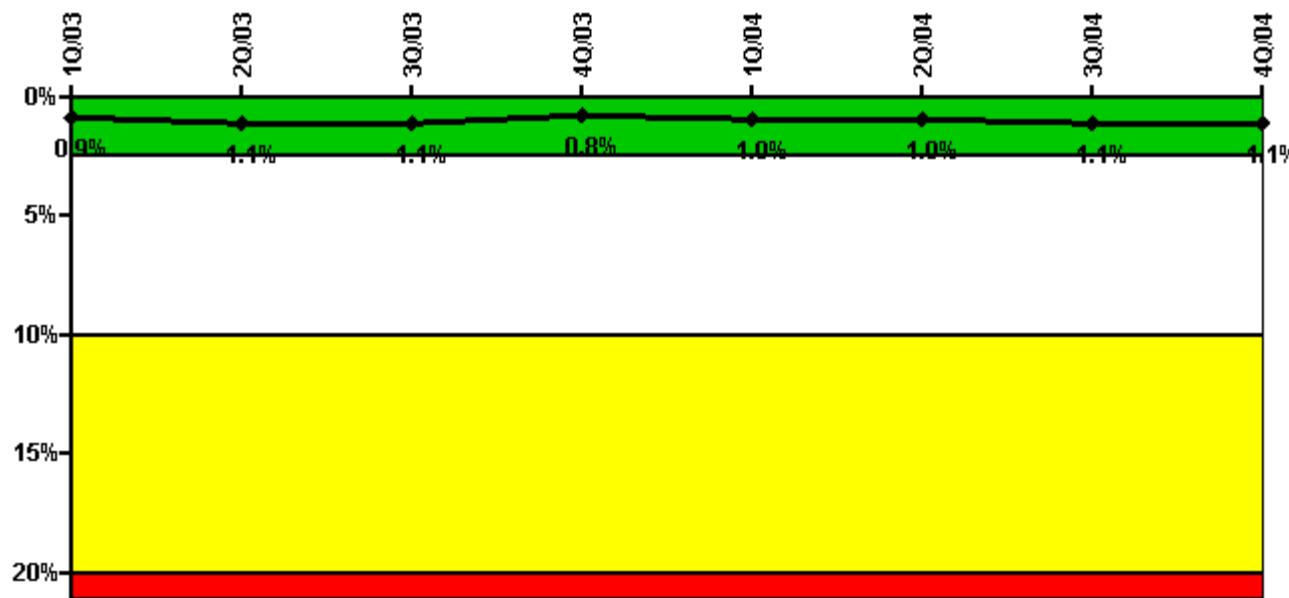
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0
Indicator value	<b>0</b>							

Licensee Comments: none

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



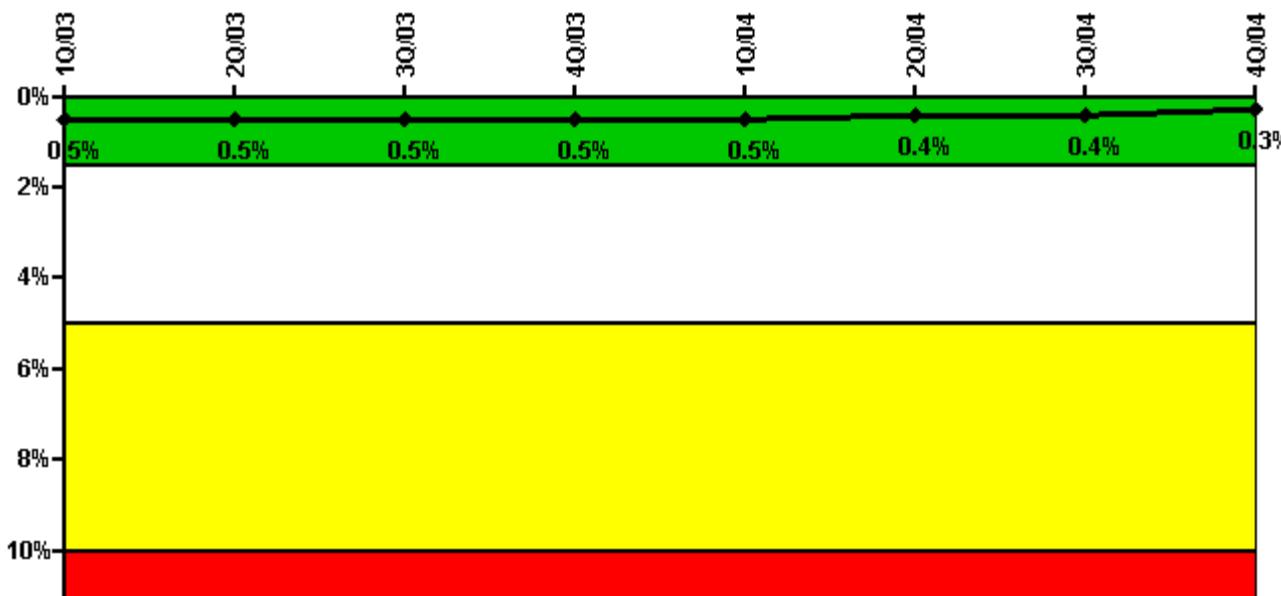
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	0.97	125.40	26.10	29.70	0	43.00	0	3.50
Unplanned unavailable hours	0	1.40	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>Train 2</b>								
Planned unavailable hours	0.25	0.30	106.20	0.50	34.22	0	23.20	0.30
Unplanned unavailable hours	0	0	0	0	0	0	11.60	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 3</b>								
Planned unavailable hours	0.25	7.40	10.20	3.90	99.10	39.60	34.00	9.50
Unplanned unavailable hours	0	0	0	0	0	0	0	1.20
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>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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



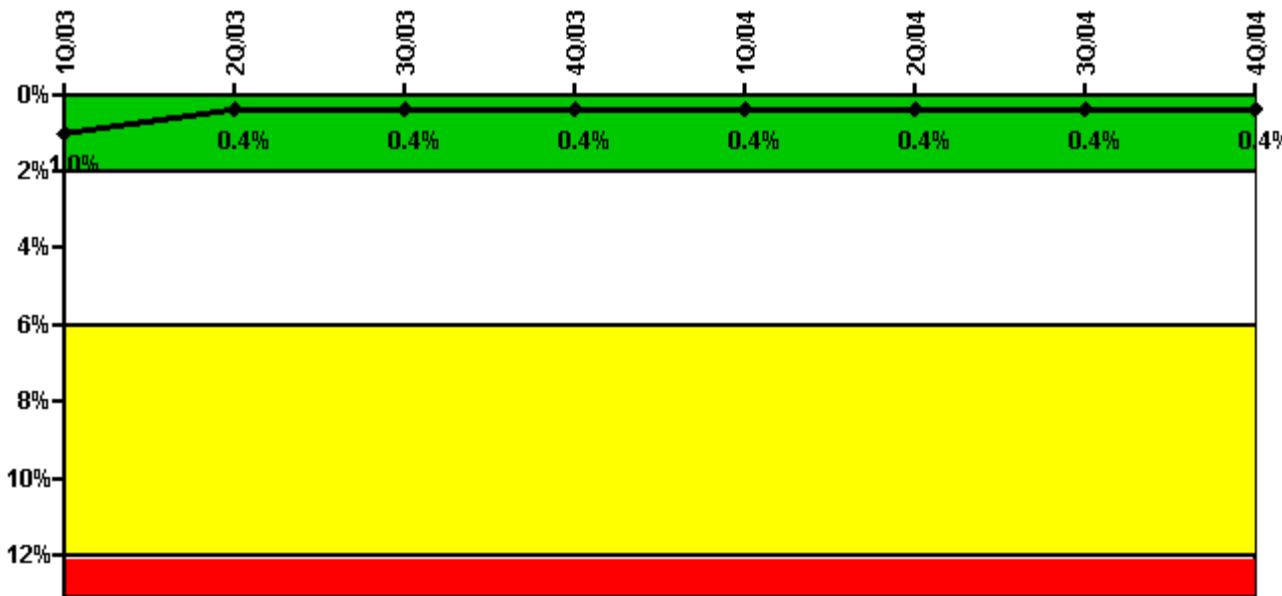
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	3.40	5.40	3.10	4.30	2.10	1.90	5.60	5.70
Unplanned unavailable hours	0	0	0	1.20	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	2179.50	1728.92	1847.83	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	13.10	1.50	3.90	5.70	3.40	51.20	2.20	5.80
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	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00	2209.00
<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>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>

Licensee Comments: none

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



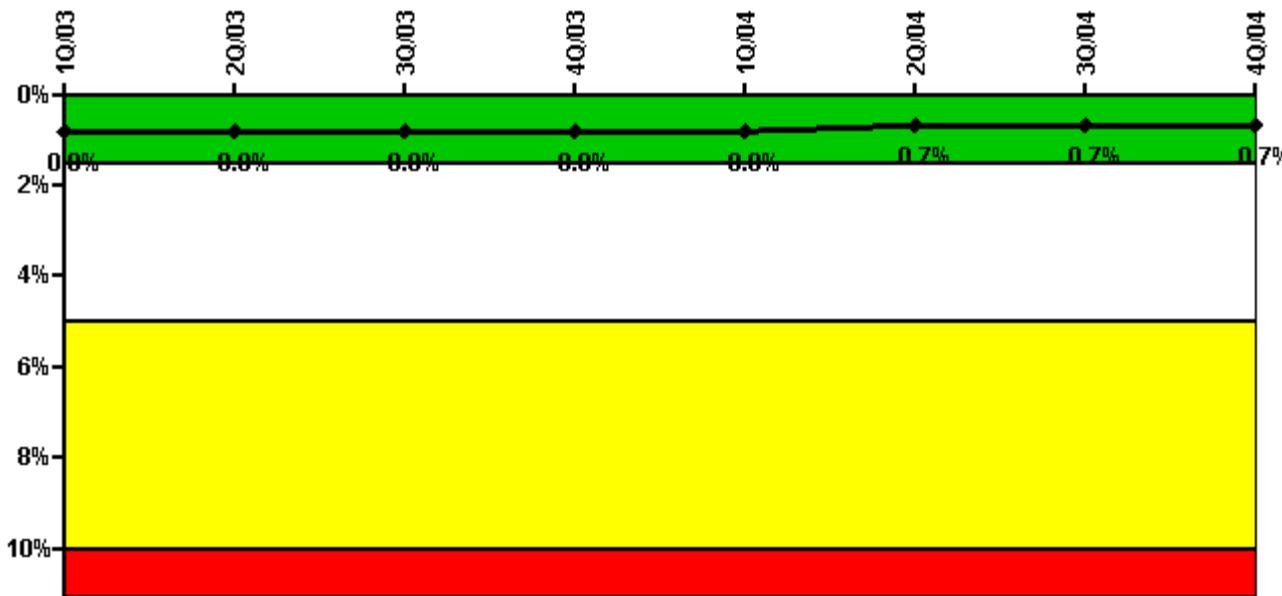
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	3.96	5.40	3.60	7.20	2.10	1.90	6.00	6.30
Unplanned unavailable hours	0	0	0	1.20	1.20	12.00	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	2179.50	1728.92	1847.83	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	11.91	1.50	5.50	5.70	3.40	44.00	3.60	6.20
Unplanned unavailable hours	1.50	0	2.50	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	2179.50	1728.92	1847.83	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	2.73	2.60	1.80	0.60	1.80	10.00	12.90	3.50
Unplanned unavailable hours	0	37.50	0	0	0	23.30	0	4.80
Fault exposure hours	0	0	0	0	0	14.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00	2209.00
<b>Indicator value</b>	<b>1.0%</b>	<b>0.4%</b>						

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

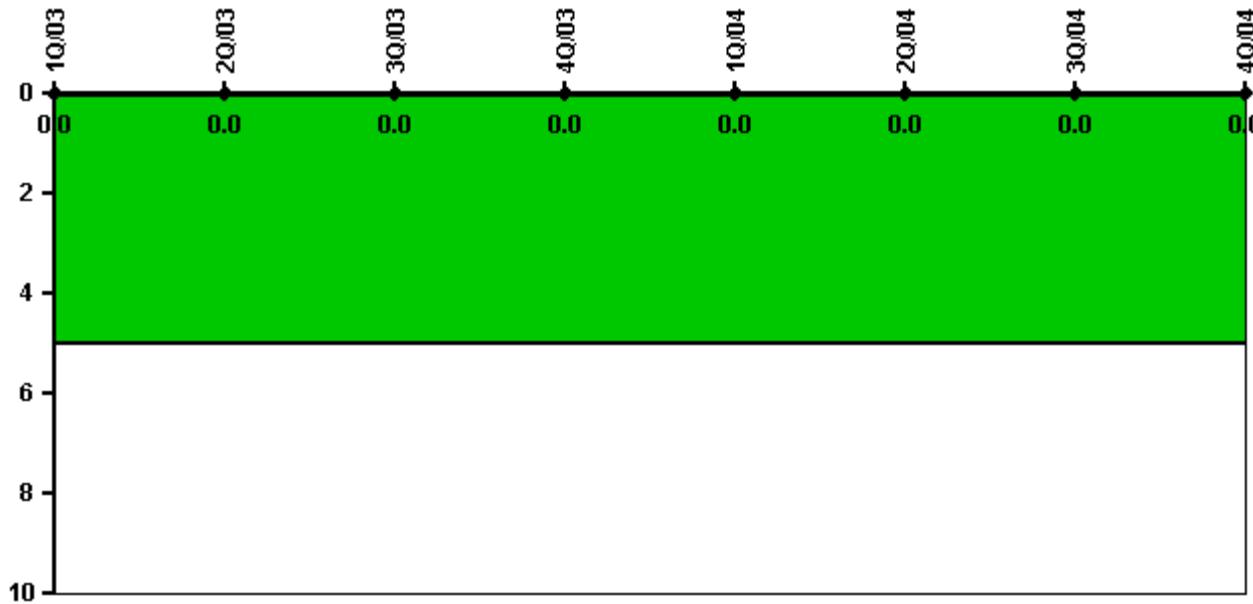


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	4.70	21.90	27.10	5.20	17.30	2.70	16.60	6.20
Unplanned unavailable hours	10.50	0	0	1.20	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	13.60	13.00	4.80	19.40	3.70	44.20	16.20	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

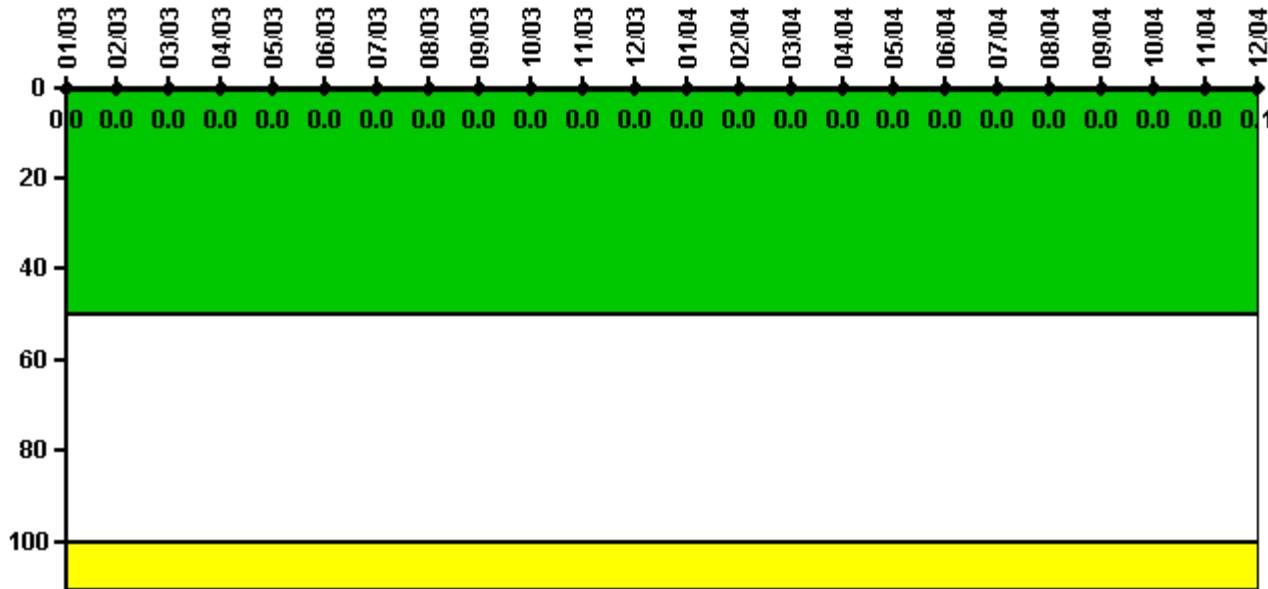
**Notes**

Safety System Functional Failures (PWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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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## Reactor Coolant System Activity



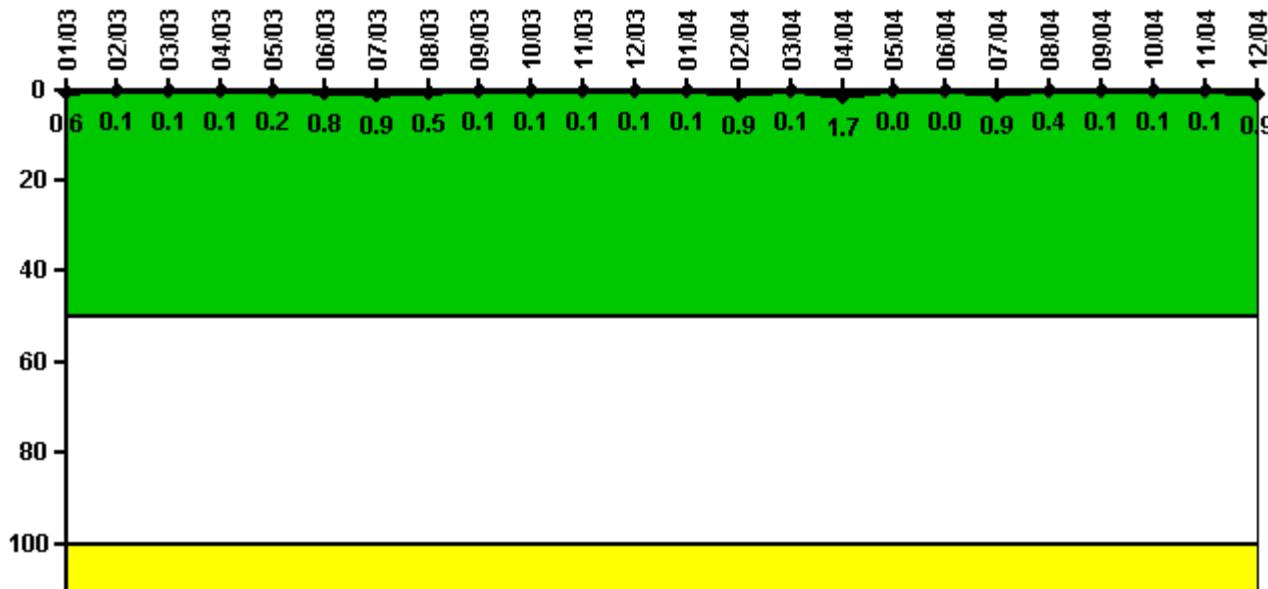
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000093	0.000095	0.000103	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000099	0.000133	0.000096	0.000053	0.000052	0.000082	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0.1

Licensee Comments: none

## Reactor Coolant System Leakage



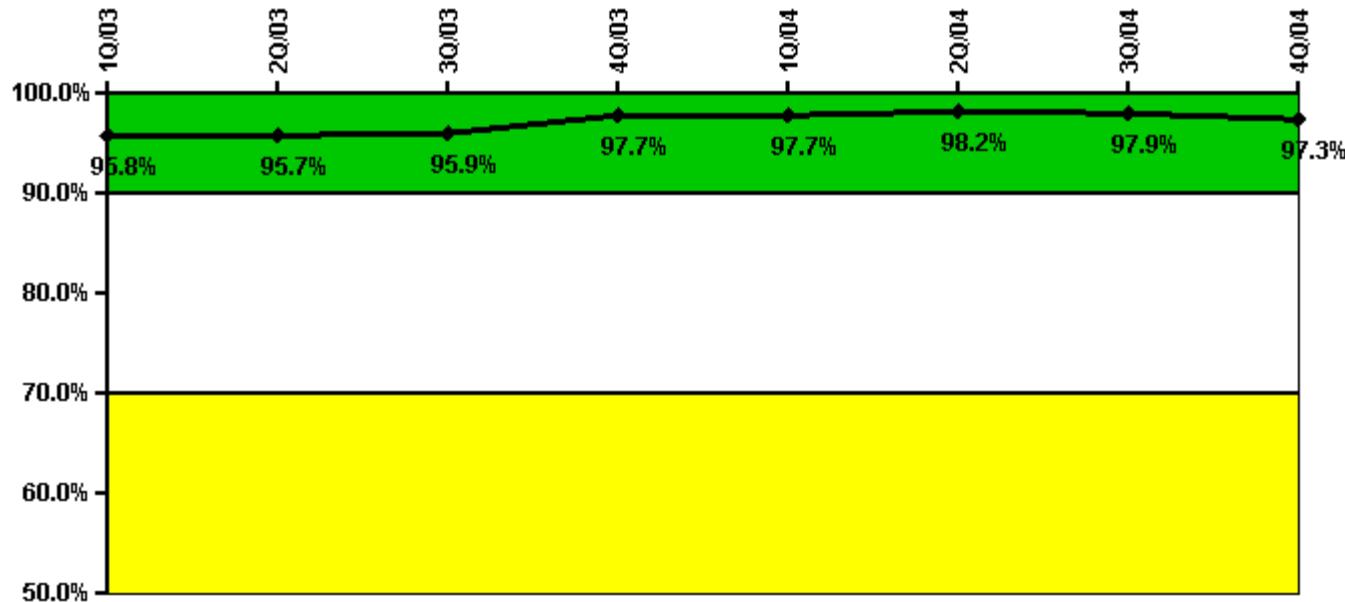
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.060	0.012	0.012	0.012	0.017	0.079	0.093	0.050	0.010	0.009	0.014	0.009
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.1	0.1	0.1	0.2	0.8	0.9	0.5	0.1	0.1	0.1	0.1
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	0.009	0.093	0.012	0.165	0	0	0.088	0.044	0.006	0.010	0.010	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.9	0.1	1.7	0	0	0.9	0.4	0.1	0.1	0.1	0.9

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

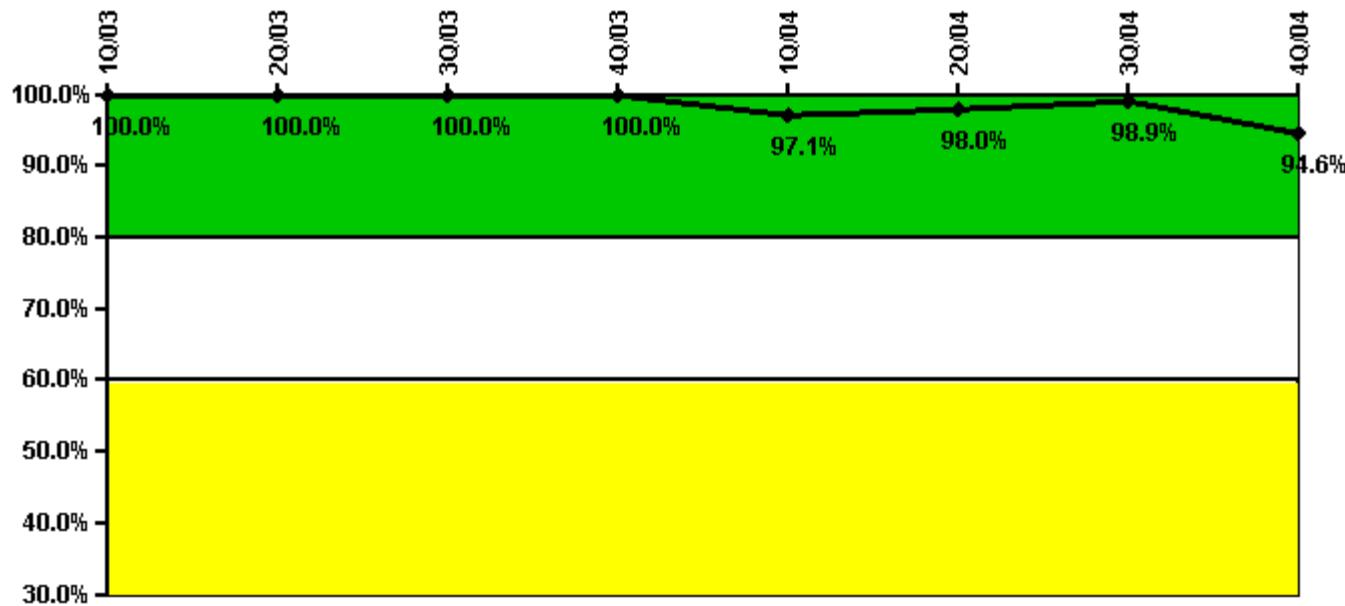
#### Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	8.0	8.0	33.0	102.0	0	2.0	71.0	32.0
Total opportunities	8.0	8.0	34.0	103.0	0	2.0	74.0	34.0
Indicator value	95.8%	95.7%	95.9%	97.7%	97.7%	98.2%	97.9%	97.3%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

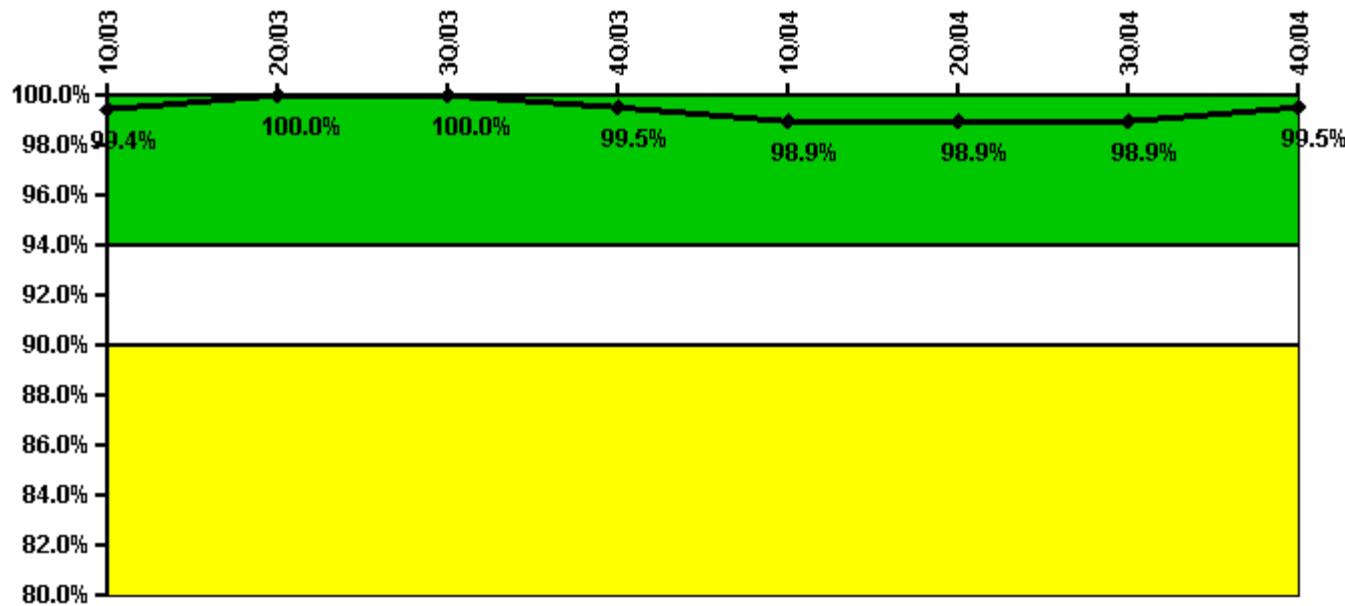
#### Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	102.0	101.0	100.0	108.0	100.0	97.0	89.0	87.0
Total Key personnel	102.0	101.0	100.0	108.0	103.0	99.0	90.0	92.0
Indicator value	100.0%	100.0%	100.0%	100.0%	97.1%	98.0%	98.9%	94.6%

Licensee Comments: none

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## Alert & Notification System



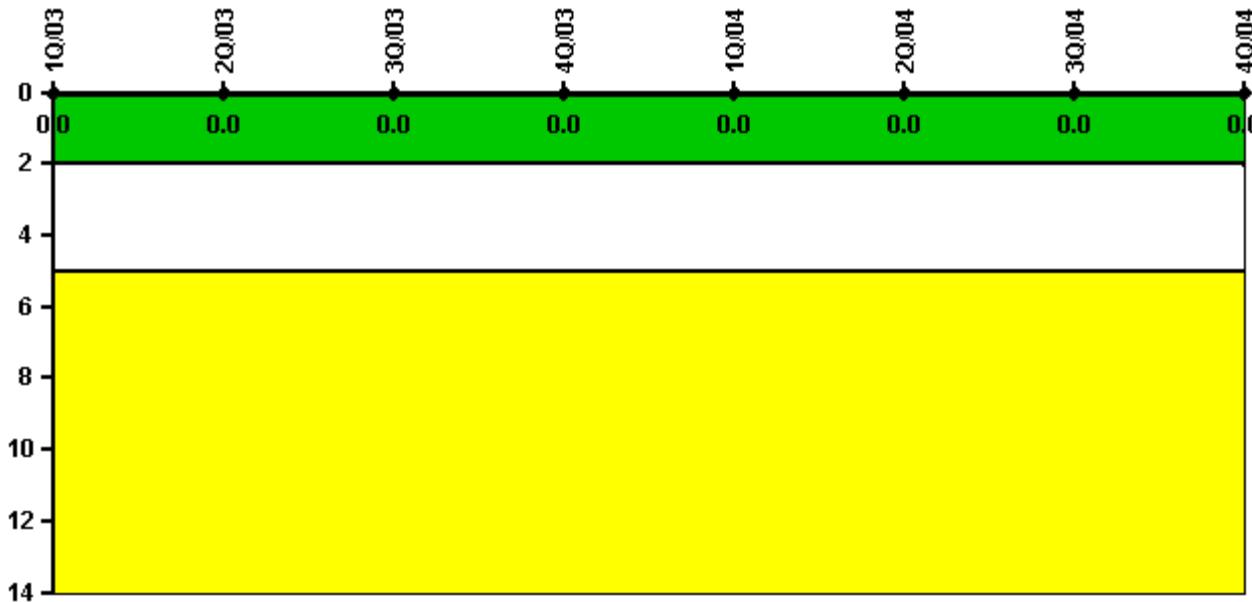
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	48	45	45	47	47	45	45	51
Total sirens-tests	48	45	45	48	48	45	45	51
<b>Indicator value</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>

Licensee Comments: none

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**Occupational Exposure Control Effectiveness**

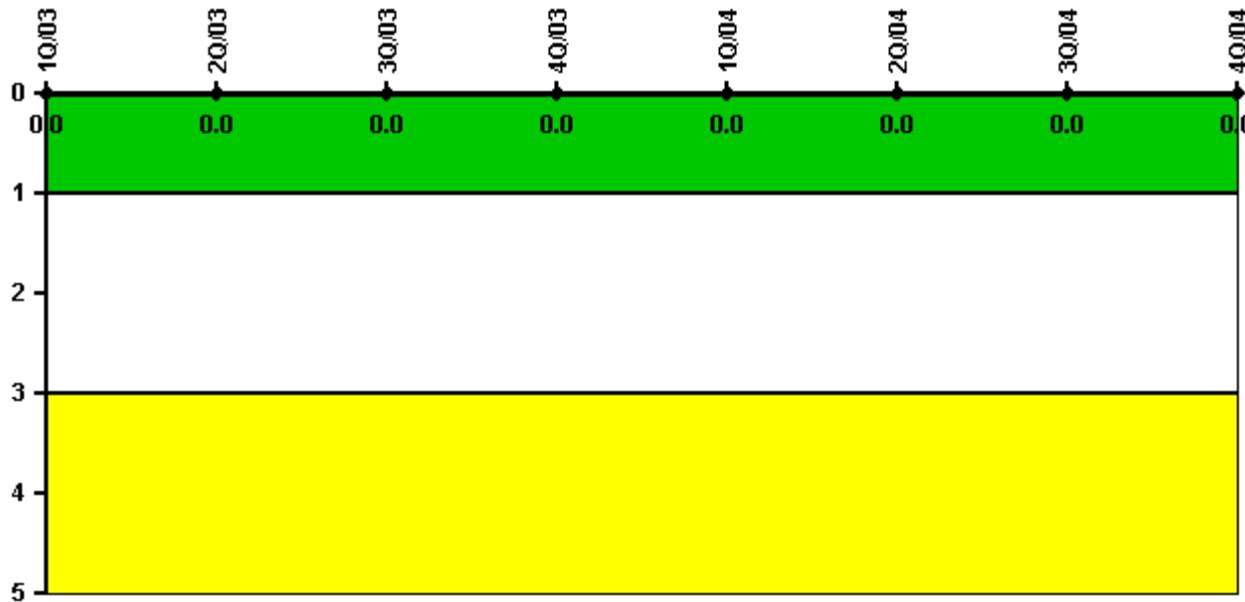
Thresholds: White > 2.0 Yellow > 5.0

**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	<b>0</b>							

Licensee Comments: none

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

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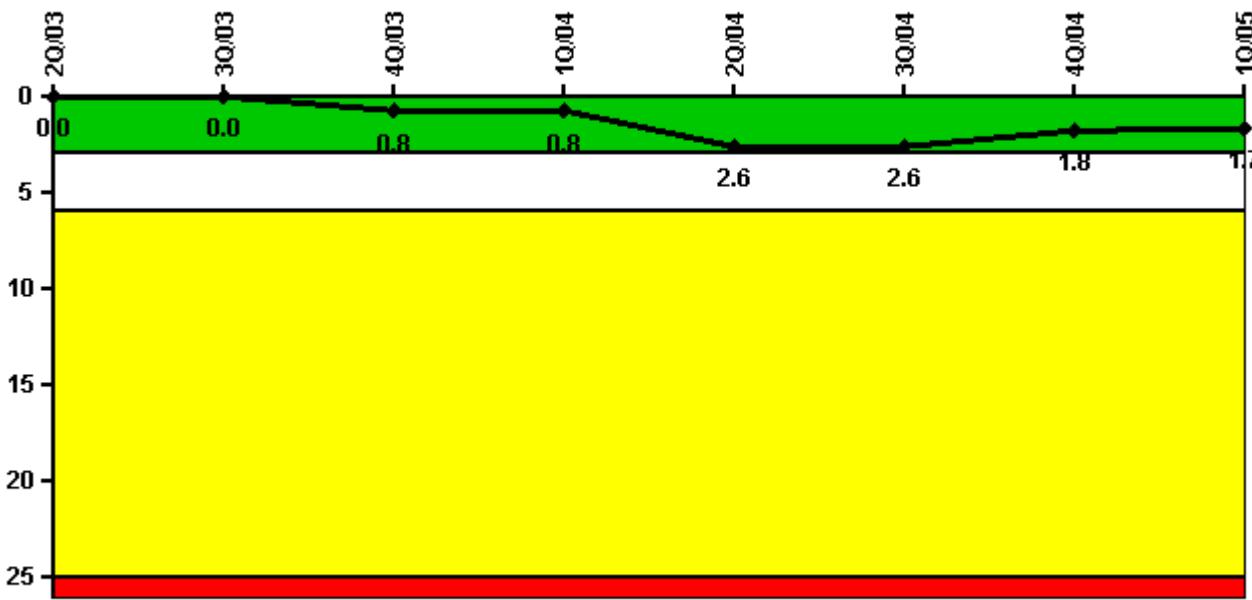


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 9, 2005

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

Licensee's General Comments: none

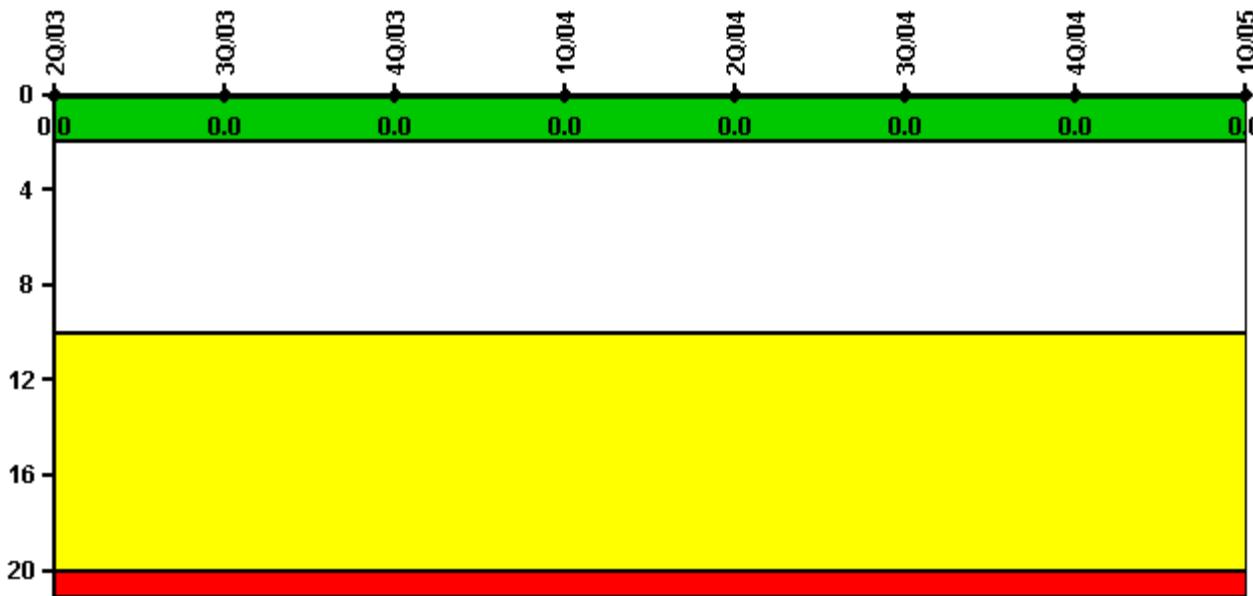
**Unplanned Scrams per 7000 Critical Hrs**

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	1.0	0	2.0	0	0	0
Critical hours	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0
Indicator value	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>	<b>1.8</b>	<b>1.7</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

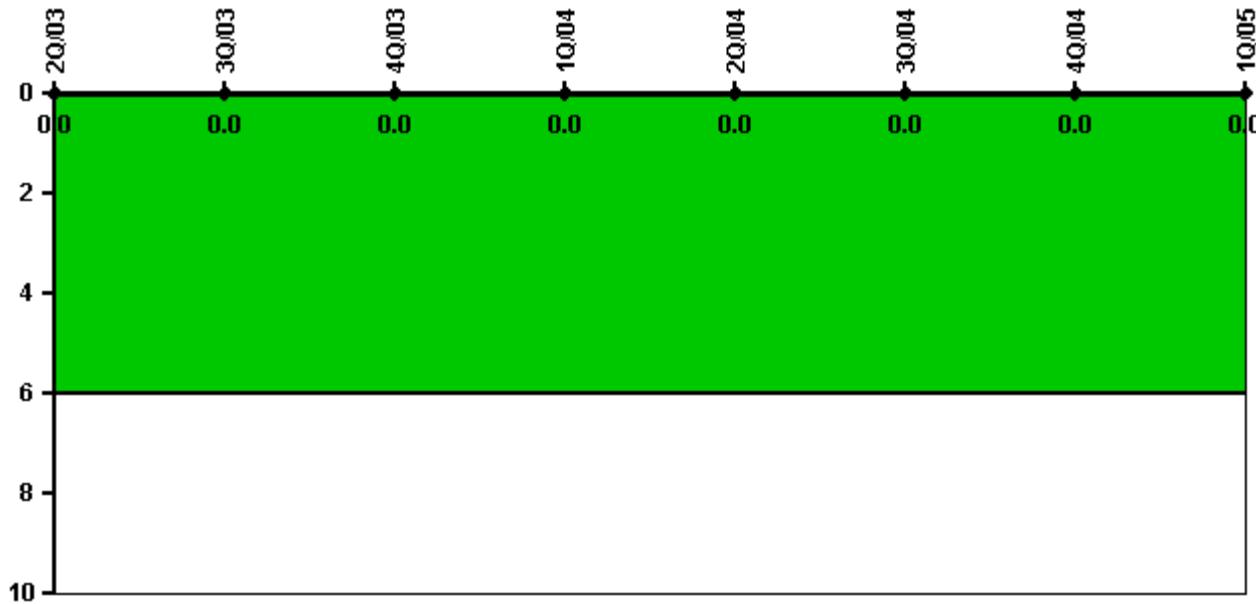
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	2Q/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	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

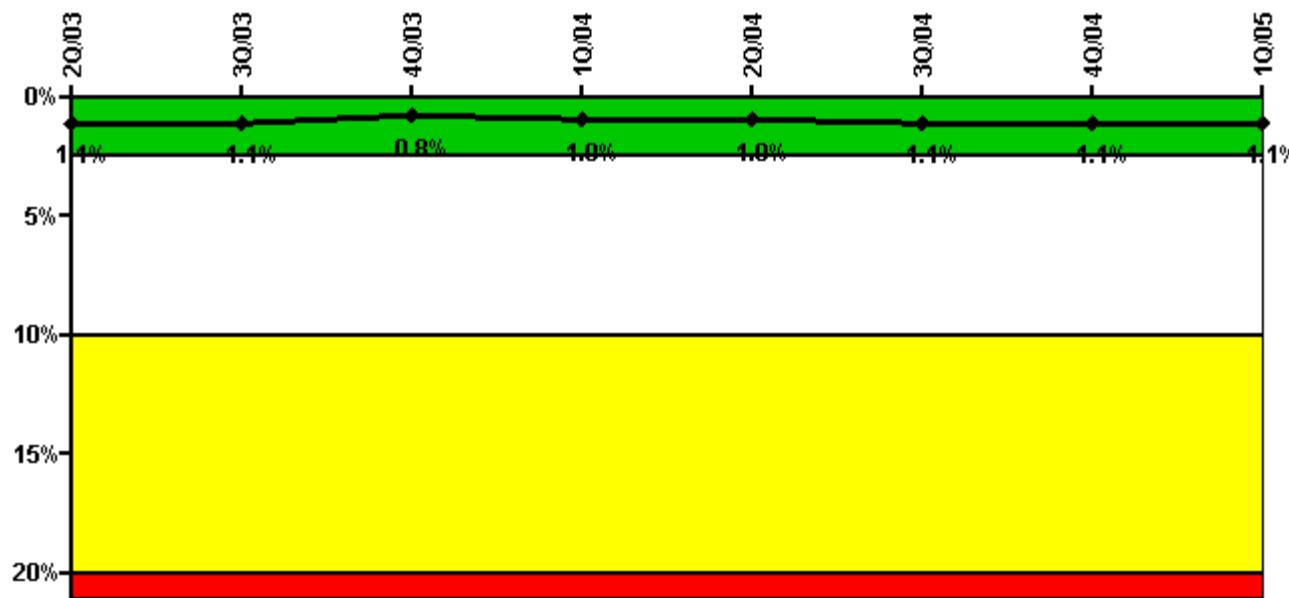
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0
Indicator value	<b>0</b>							

Licensee Comments: none

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



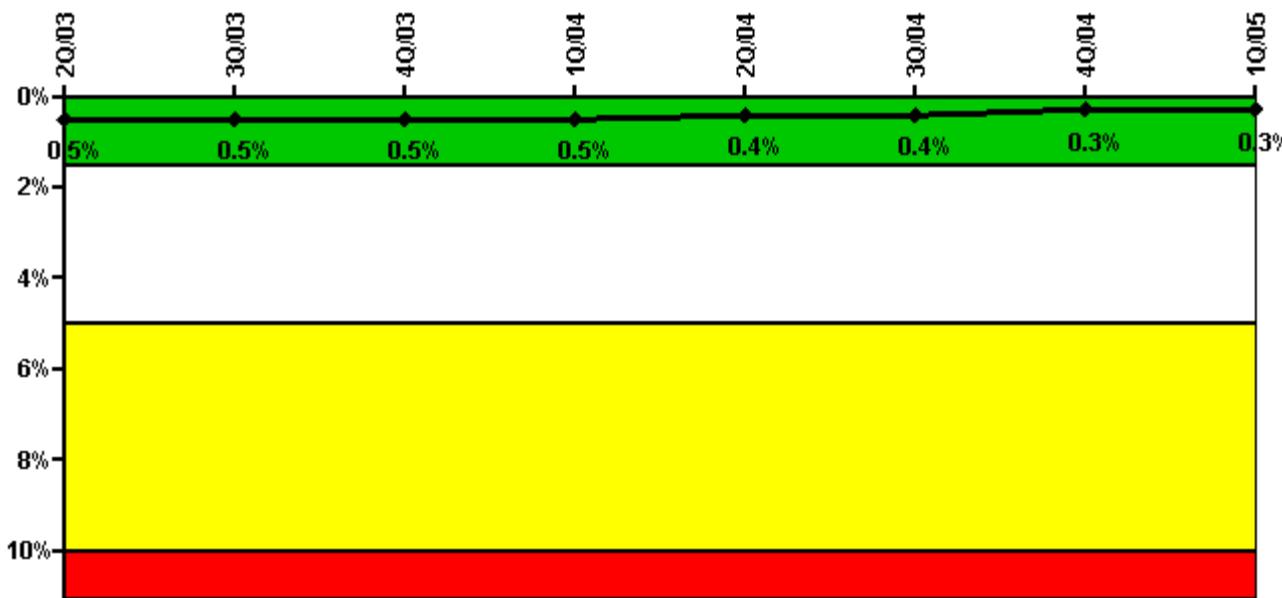
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	125.40	26.10	29.70	0	43.00	0	3.50	4.30
Unplanned unavailable hours	1.40	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>Train 2</b>								
Planned unavailable hours	0.30	106.20	0.50	34.22	0	23.20	0.30	0
Unplanned unavailable hours	0	0	0	0	0	11.60	0	2.10
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	7.40	10.20	3.90	99.10	39.60	34.00	9.50	12.20
Unplanned unavailable hours	0	0	0	0	0	0	1.20	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>1.1%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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



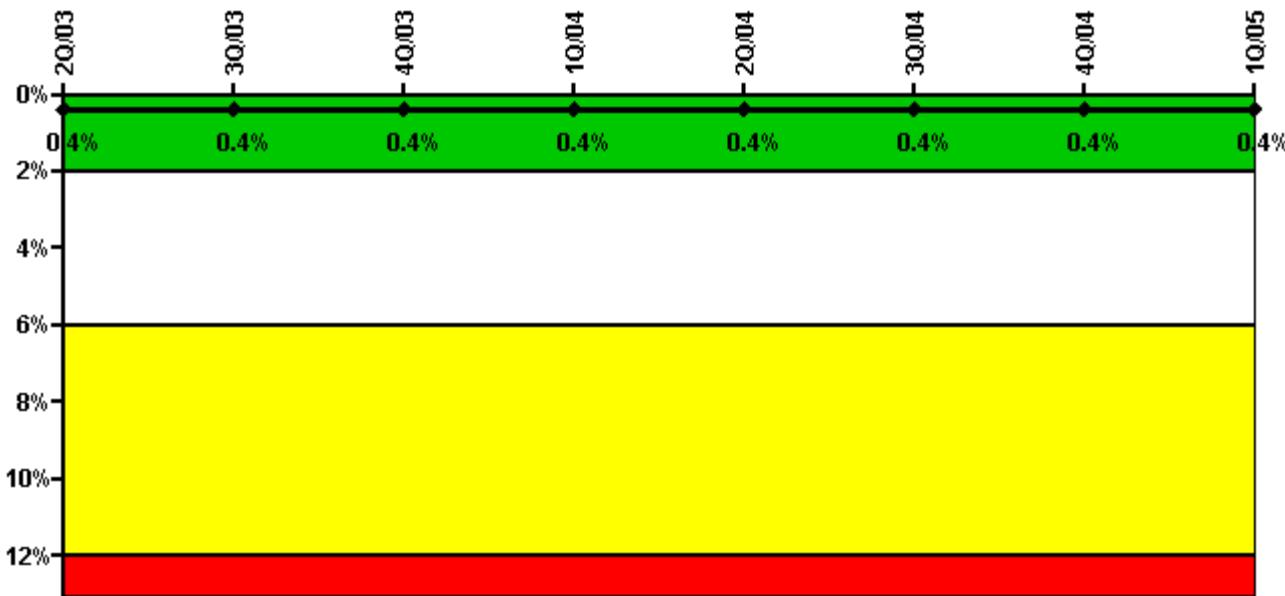
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	5.40	3.10	4.30	2.10	1.90	5.60	5.70	2.70
Unplanned unavailable hours	0	0	1.20	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	1.50	3.90	5.70	3.40	51.20	2.20	5.80	5.20
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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

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



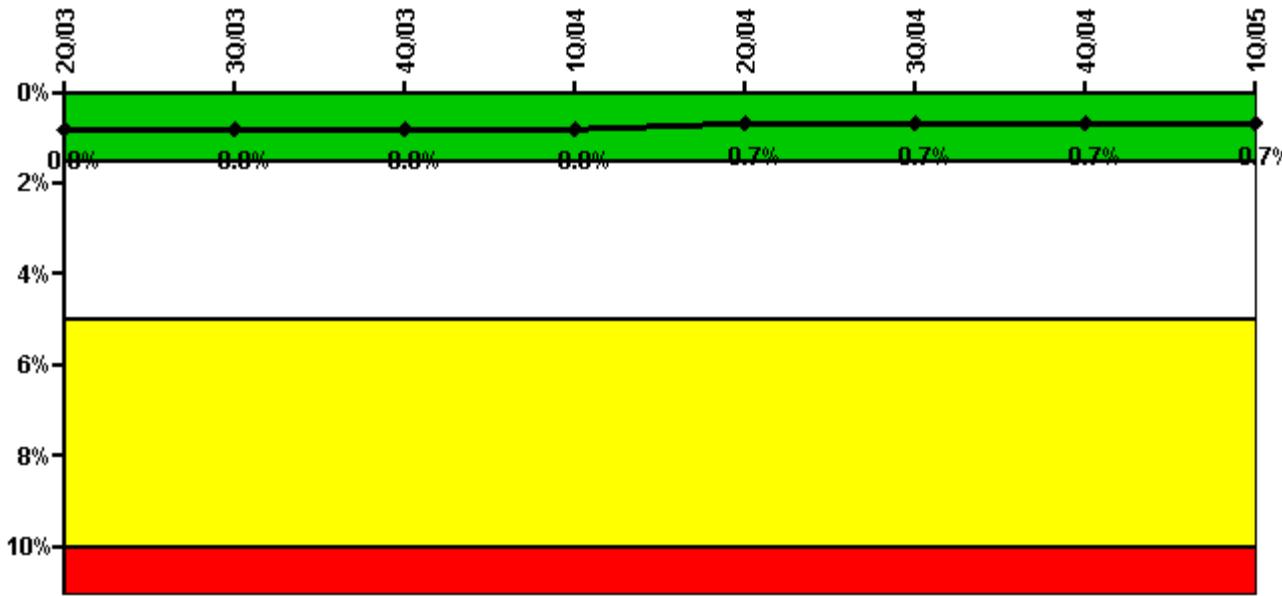
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	5.40	3.60	7.20	2.10	1.90	6.00	6.30	4.00
Unplanned unavailable hours	0	0	1.20	1.20	12.00	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	1.50	5.50	5.70	3.40	44.00	3.60	6.20	5.80
Unplanned unavailable hours	0	2.50	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	2.60	1.80	0.60	1.80	10.00	12.90	3.50	2.80
Unplanned unavailable hours	37.50	0	0	0	23.30	0	4.80	0
Fault exposure hours	0	0	0	0	14.30	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.4%</b>							

Licensee Comments: none

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

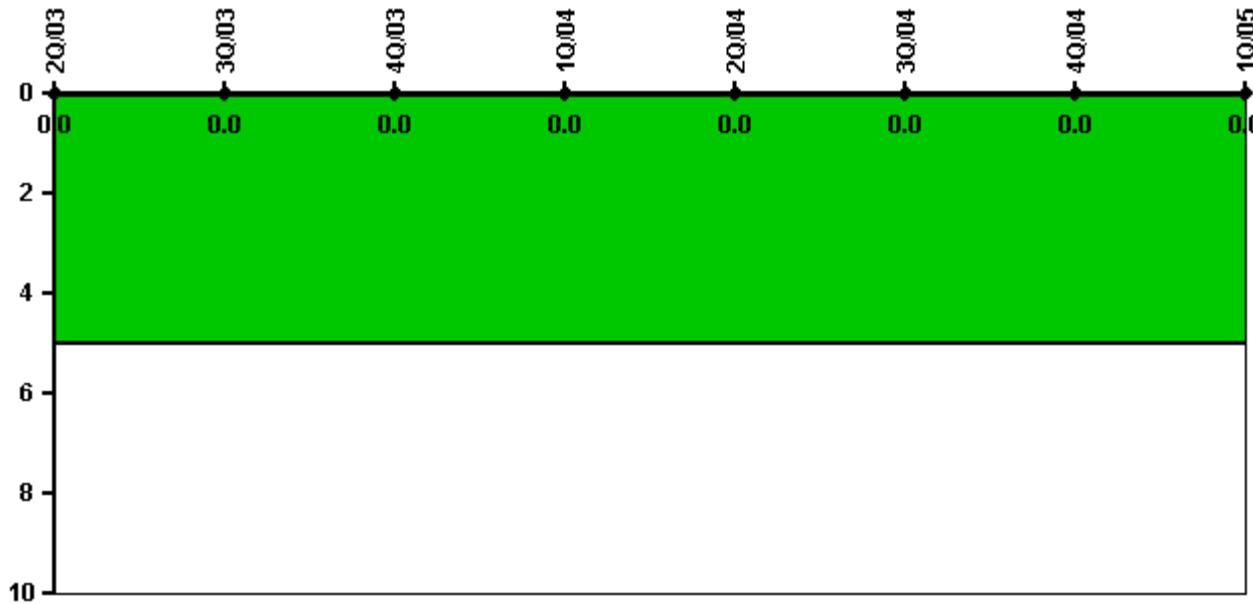


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	21.90	27.10	5.20	17.30	2.70	16.60	6.20	15.70
Unplanned unavailable hours	0	0	1.20	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	13.00	4.80	19.40	3.70	44.20	16.20	7.10	16.90
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>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

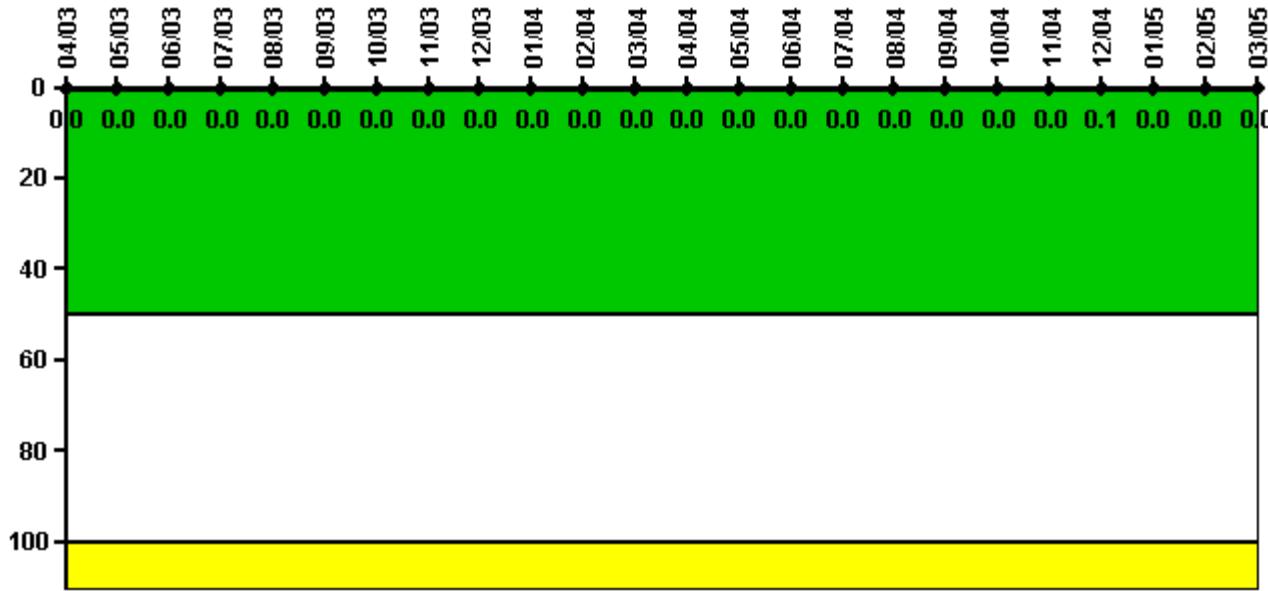
**Notes**

Safety System Functional Failures (PWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
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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## Reactor Coolant System Activity



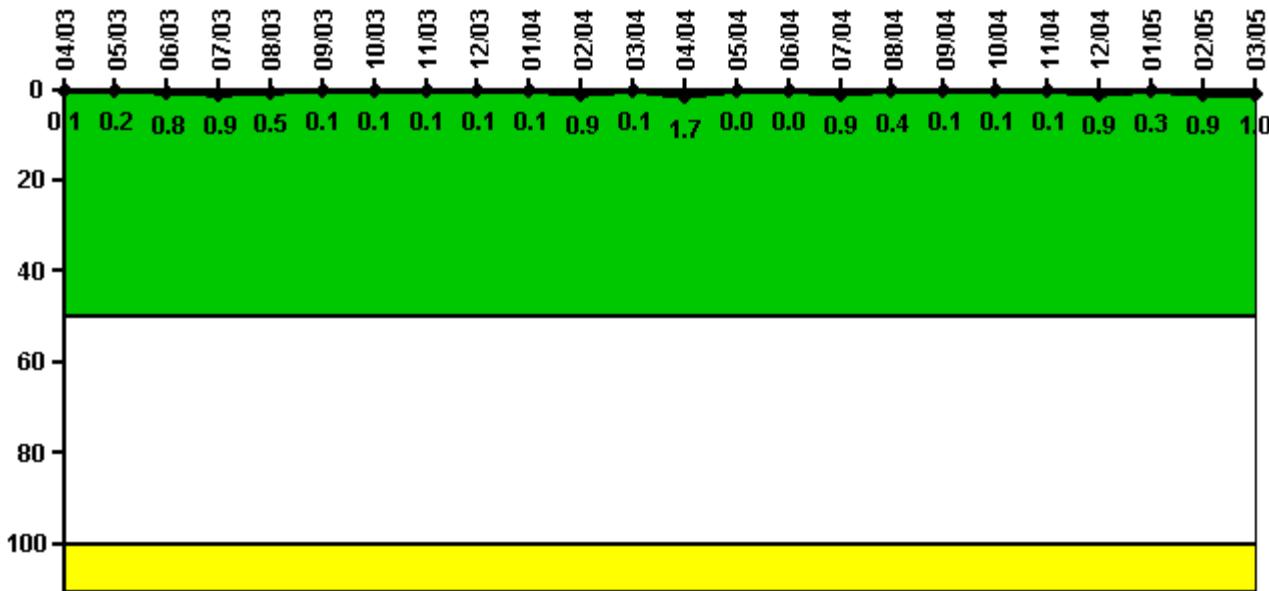
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000102	0.000094	0.000095	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101	0.000099	0.000133	0.000096
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000053	0.000052	0.000082	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301	0.000126	0.000131	0.000133
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0.1	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



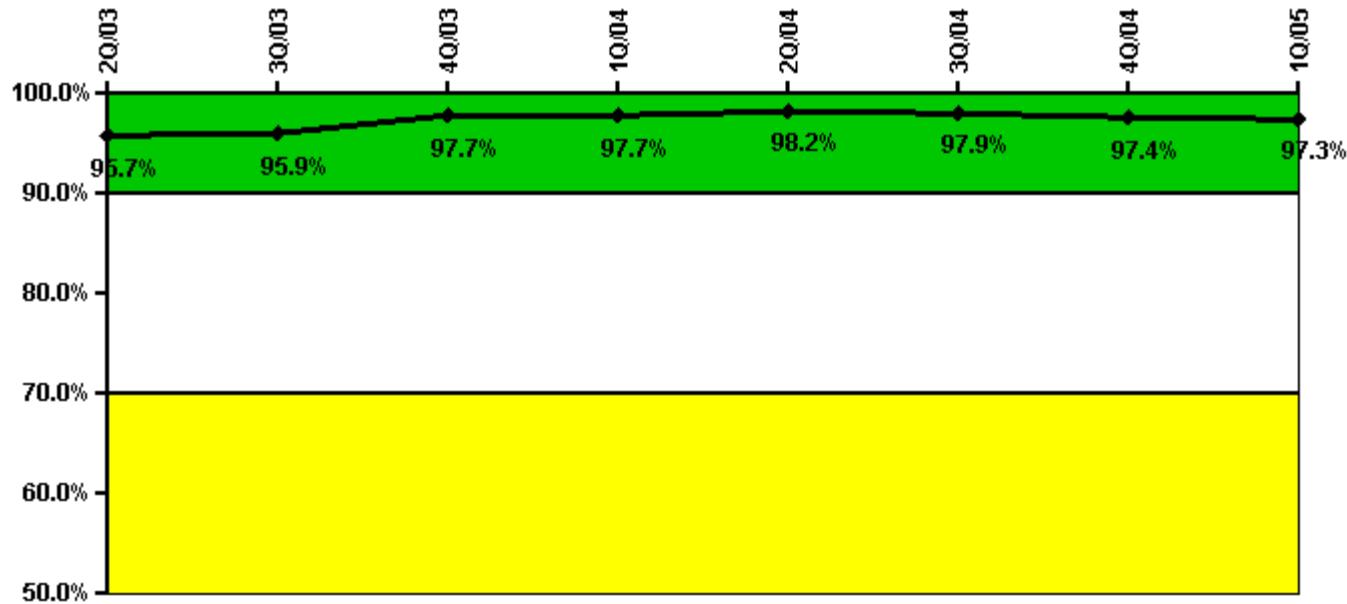
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.012	0.017	0.079	0.093	0.050	0.010	0.009	0.014	0.009	0.009	0.093	0.012
Indicator value	0.1	0.2	0.8	0.9	0.5	0.1	0.1	0.1	0.1	0.1	0.9	0.1
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	0.165	0	0	0.088	0.044	0.006	0.010	0.010	0.090	0.030	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	0	0	0.9	0.4	0.1	0.1	0.1	0.9	0.3	0.9	1.0

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

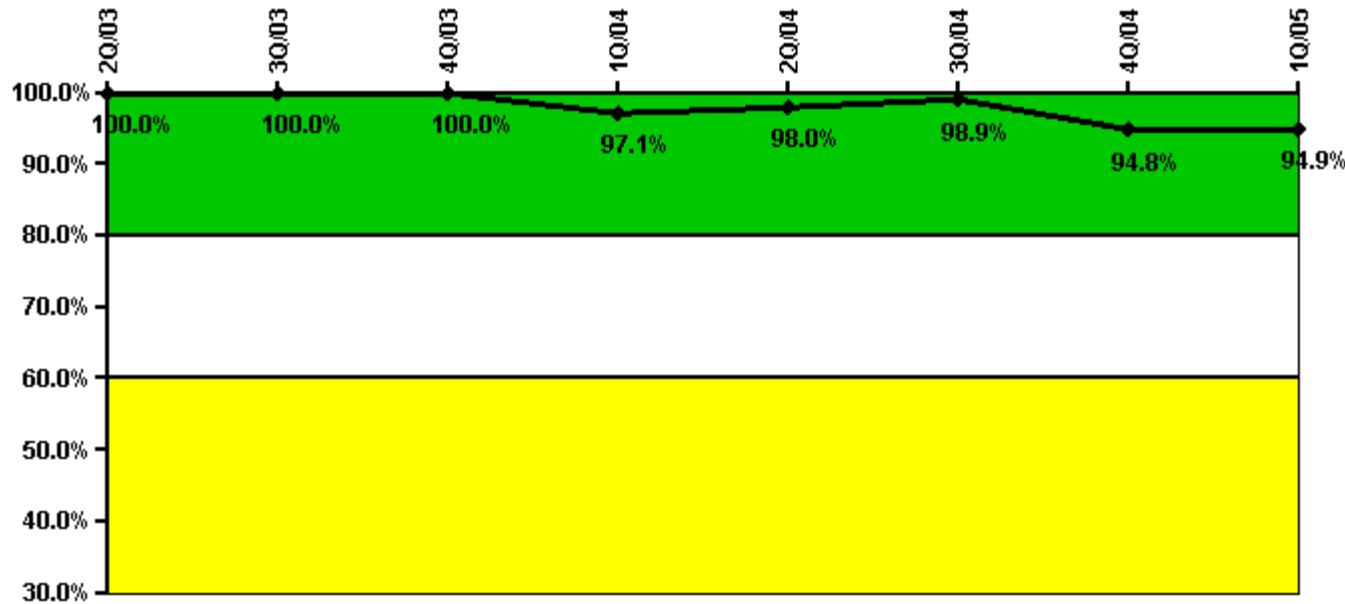
#### Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	8.0	33.0	102.0	0	2.0	71.0	34.0	0
Total opportunities	8.0	34.0	103.0	0	2.0	74.0	36.0	0
Indicator value	95.7%	95.9%	97.7%	97.7%	98.2%	97.9%	97.4%	97.3%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

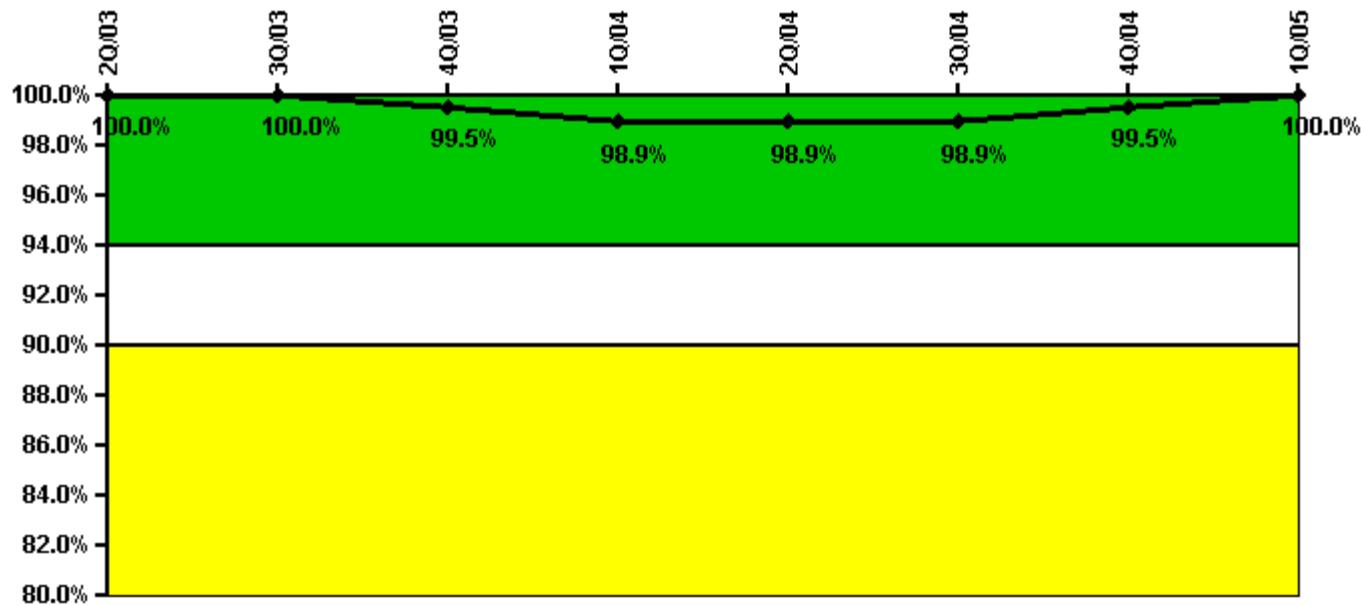
ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	101.0	100.0	108.0	100.0	97.0	91.0	91.0	93.0
Total Key personnel	101.0	100.0	108.0	103.0	99.0	92.0	96.0	98.0
Indicator value	100.0%	100.0%	100.0%	97.1%	98.0%	98.9%	94.8%	94.9%

Licensee Comments:

4Q/04: September through December 2004 drill participation and exercise performance data slightly revised for individuals on special assignment/illness. Training and EP databases linkages enhanced to ensure proper tracking. Color unaffected.

3Q/04: September through December 2004 drill participation and exercise performance data slightly revised for individuals on special assignment/illness. Training and EP databases linkages enhanced to ensure proper tracking. Color unaffected.

## Alert & Notification System



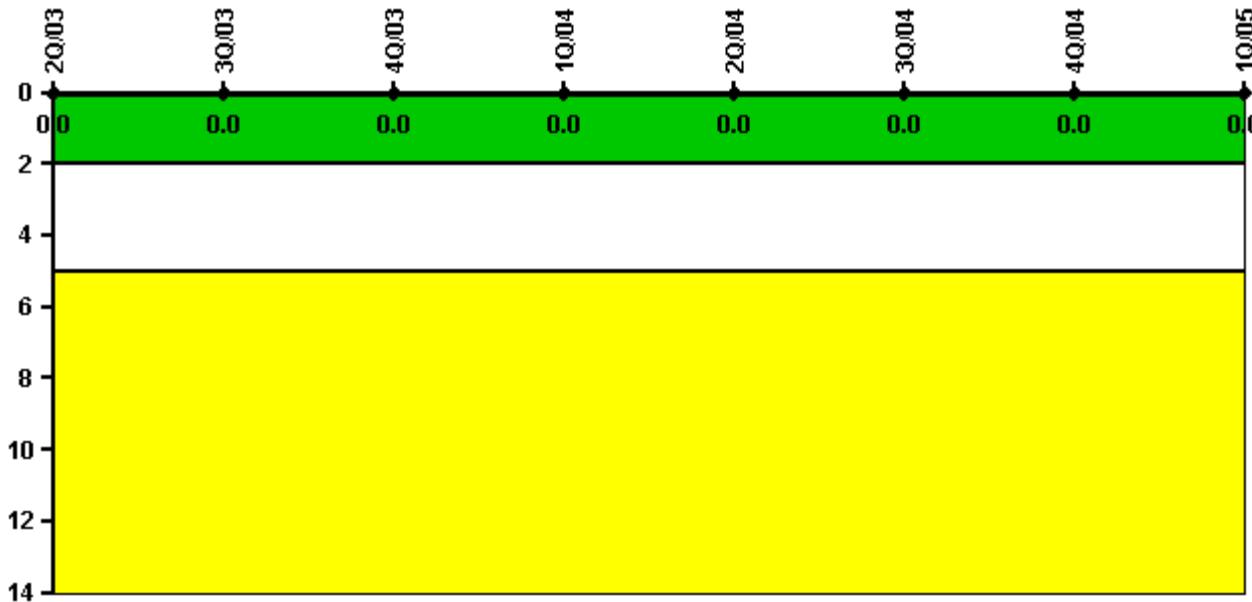
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	45	45	47	47	45	45	51	48
Total sirens-tests	45	45	48	48	45	45	51	48
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>

Licensee Comments: none

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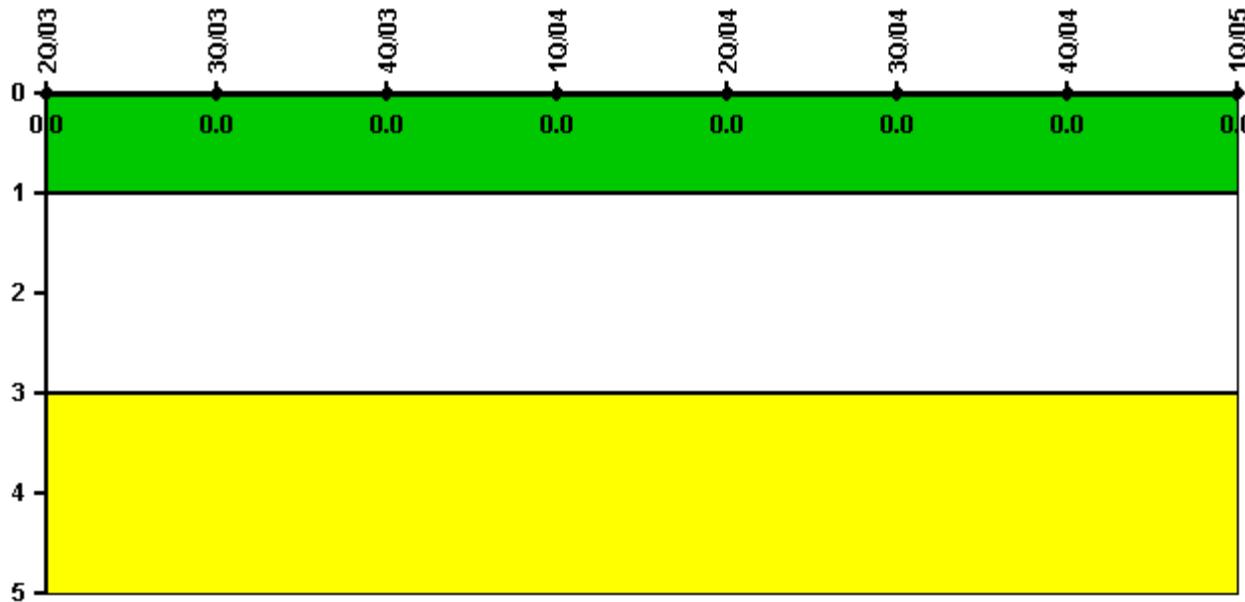
**Occupational Exposure Control Effectiveness**

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	<b>0</b>							

Licensee Comments: none

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

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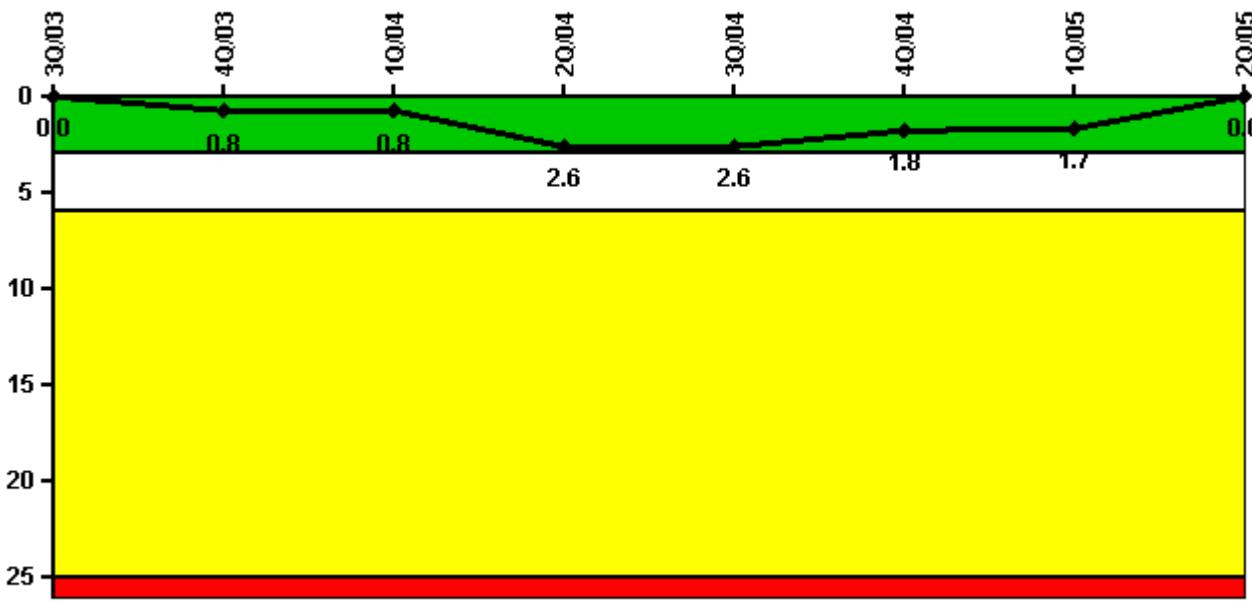


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 17, 2005

**Farley 2****2Q/2005 Performance Indicators**

Licensee's General Comments: none

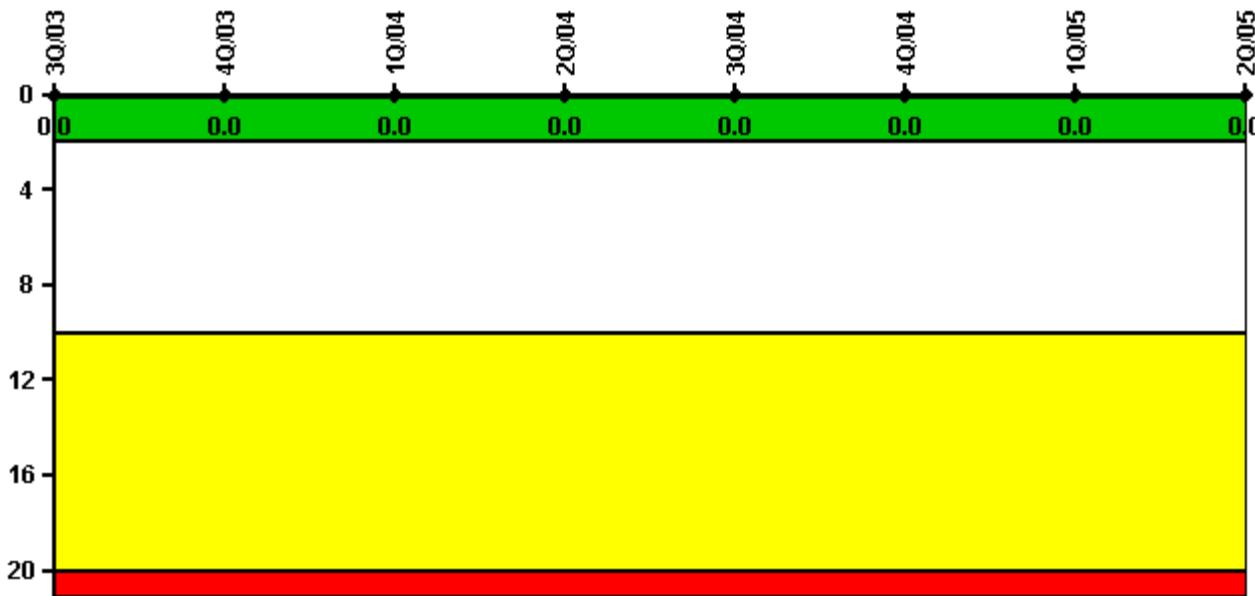
**Unplanned Scrams per 7000 Critical Hrs**

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	1.0	0	2.0	0	0	0	0
Critical hours	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0
Indicator value	<b>0</b>	<b>0.8</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

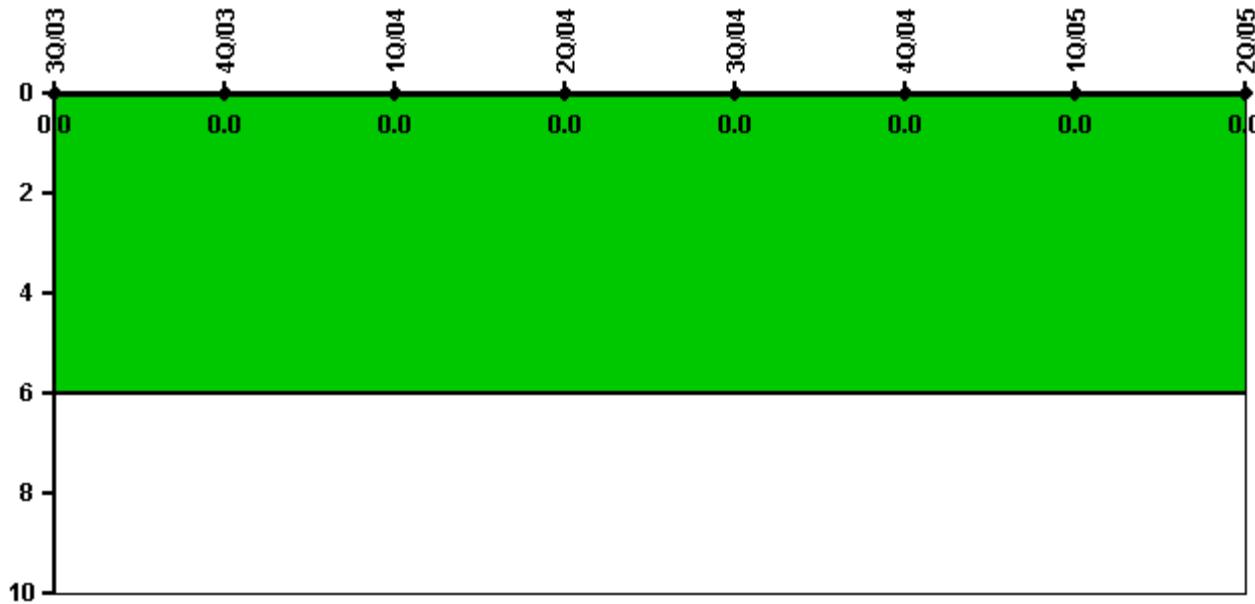
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	3Q/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

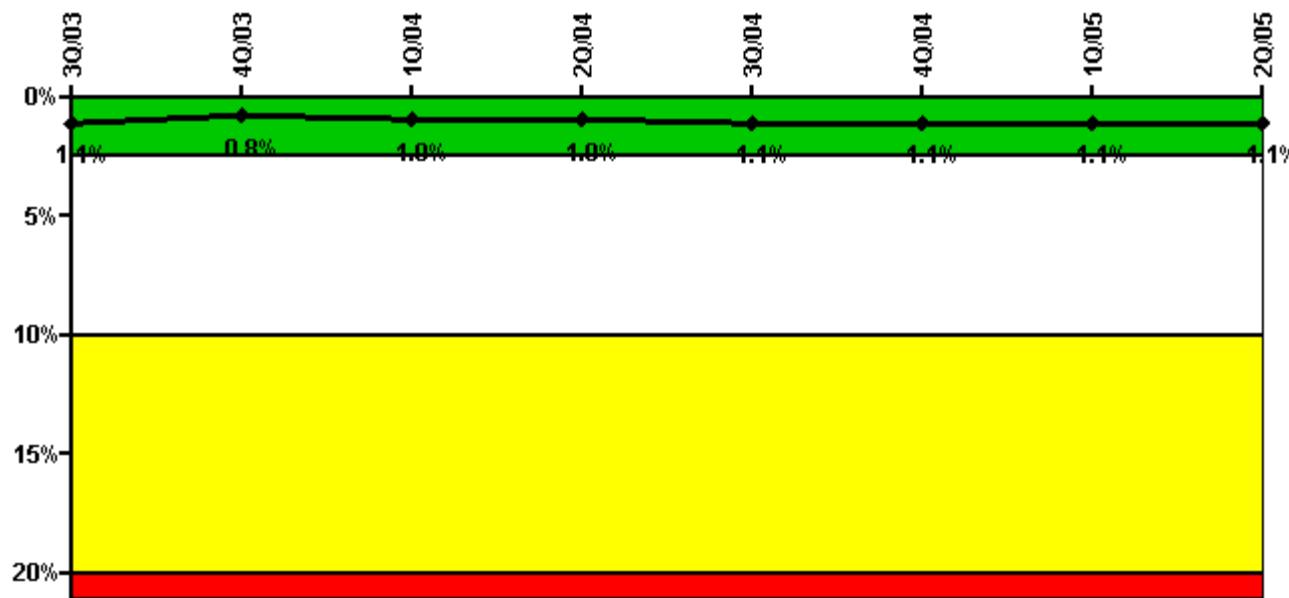
**Notes**

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	0	0	0	0	0	0	0
Critical hours	2208.0	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0
Indicator value	<b>0</b>							

Licensee Comments: none

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



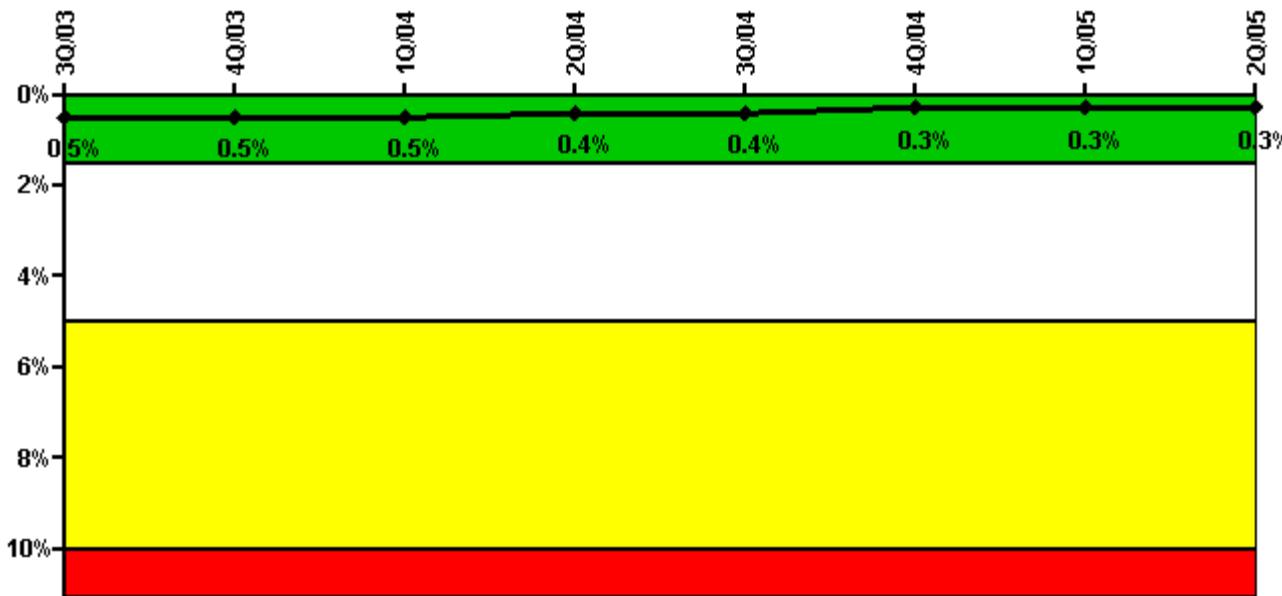
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	26.10	29.70	0	43.00	0	3.50	4.30	48.90
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>Train 2</b>								
Planned unavailable hours	106.20	0.50	34.22	0	23.20	0.30	0	1.90
Unplanned unavailable hours	0	0	0	0	11.60	0	2.10	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 3</b>								
Planned unavailable hours	10.20	3.90	99.10	39.60	34.00	9.50	12.20	44.20
Unplanned unavailable hours	0	0	0	0	0	1.20	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>1.1%</b>	<b>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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



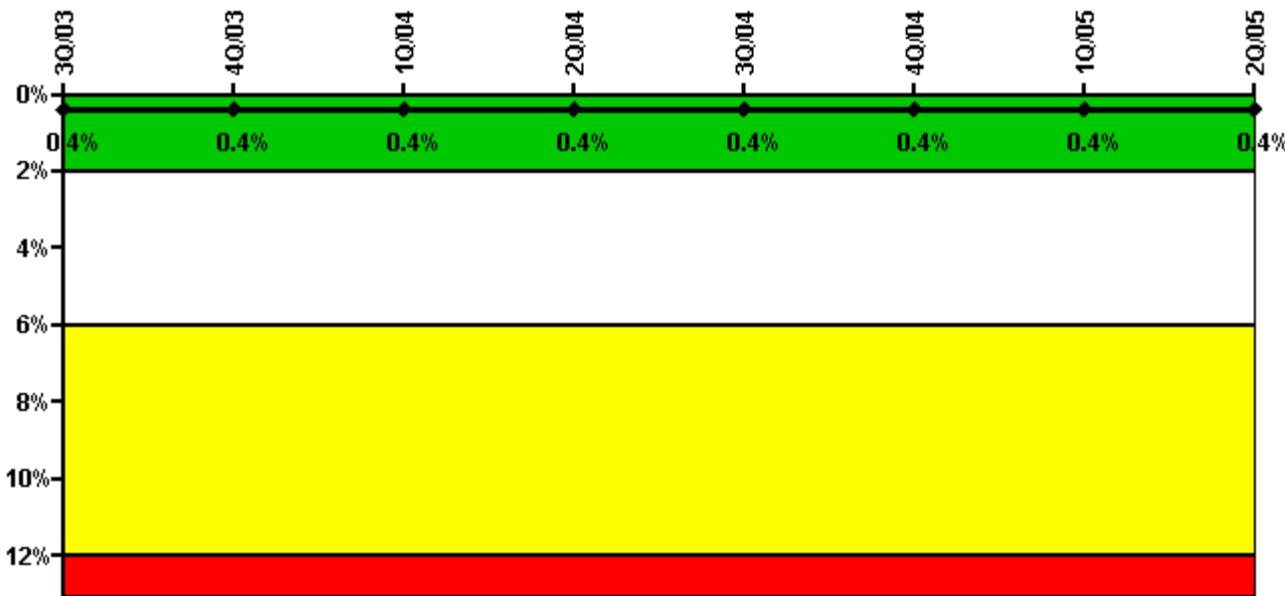
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	3.10	4.30	2.10	1.90	5.60	5.70	2.70	6.40
Unplanned unavailable hours	0	1.20	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	3.90	5.70	3.40	51.20	2.20	5.80	5.20	2.70
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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

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



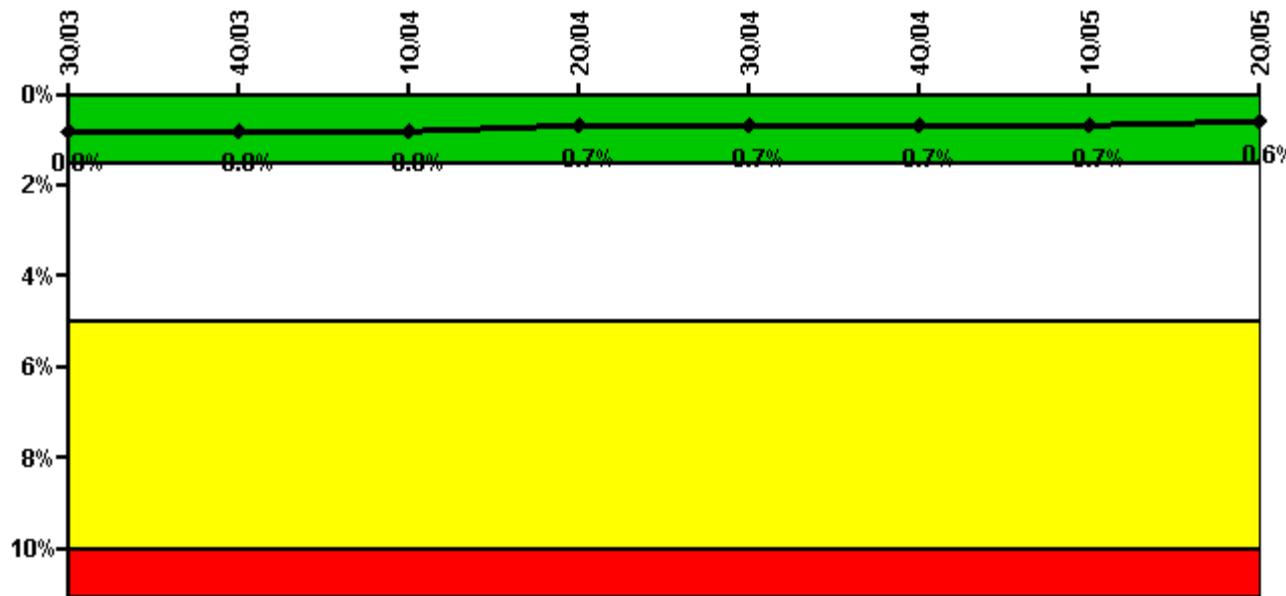
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	3.60	7.20	2.10	1.90	6.00	6.30	4.00	6.80
Unplanned unavailable hours	0	1.20	1.20	12.00	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	5.50	5.70	3.40	44.00	3.60	6.20	5.80	3.20
Unplanned unavailable hours	2.50	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00
<b>Train 3</b>								
Planned unavailable hours	1.80	0.60	1.80	10.00	12.90	3.50	2.80	5.40
Unplanned unavailable hours	0	0	0	23.30	0	4.80	0	0
Fault exposure hours	0	0	0	14.30	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.4%</b>							

Licensee Comments: none

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

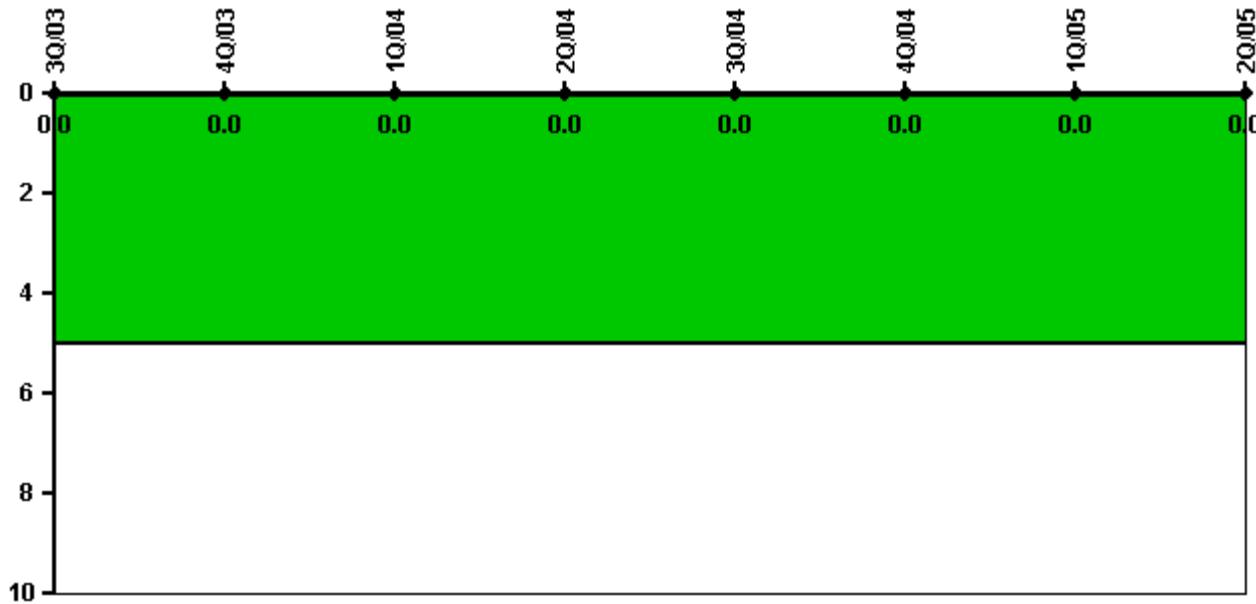


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	27.10	5.20	17.30	2.70	16.60	6.20	15.70	7.30
Unplanned unavailable hours	0	1.20	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	4.80	19.40	3.70	44.20	16.20	7.10	16.90	3.30
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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

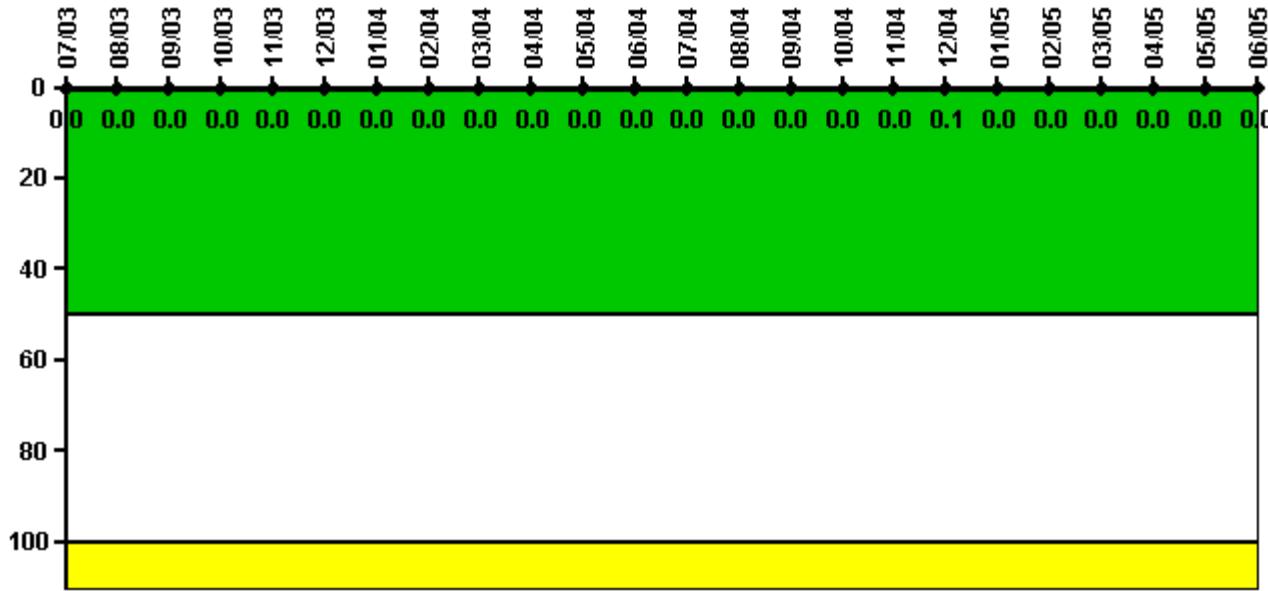
**Notes**

Safety System Functional Failures (PWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
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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## Reactor Coolant System Activity



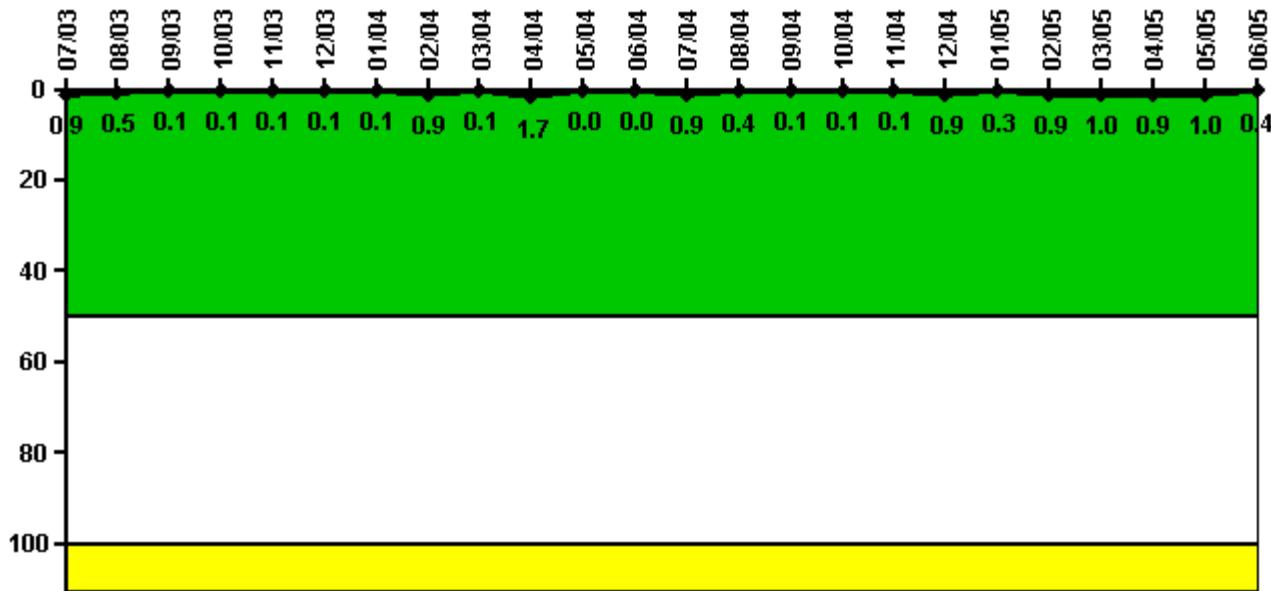
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000101	0.000095	0.000094	0.000101	0.000092	0.000101	0.000099	0.000133	0.000096	0.000053	0.000052	0.000082
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301	0.000126	0.000131	0.000133	0.000127	0.000126	0.000124
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0.1	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

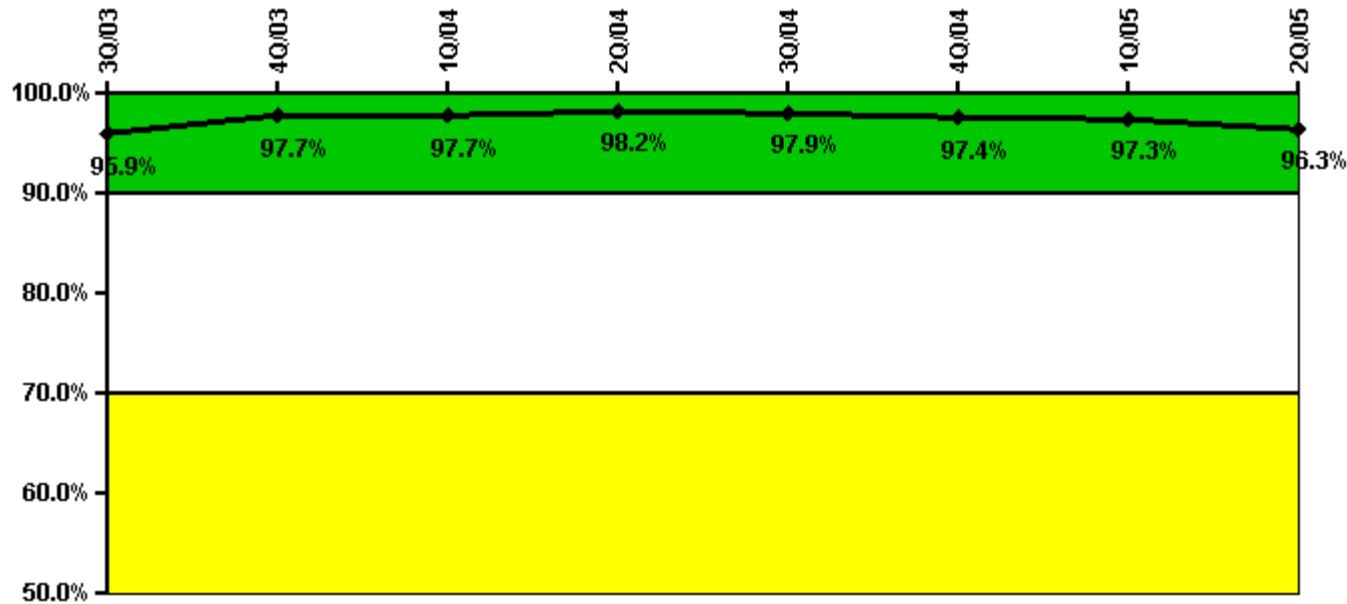
Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.093	0.050	0.010	0.009	0.014	0.009	0.009	0.093	0.012	0.165	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.1</b>	<b>1.7</b>	<b>0</b>	<b>0</b>

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	0.088	0.044	0.006	0.010	0.010	0.090	0.030	0.090	0.100	0.090	0.100	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

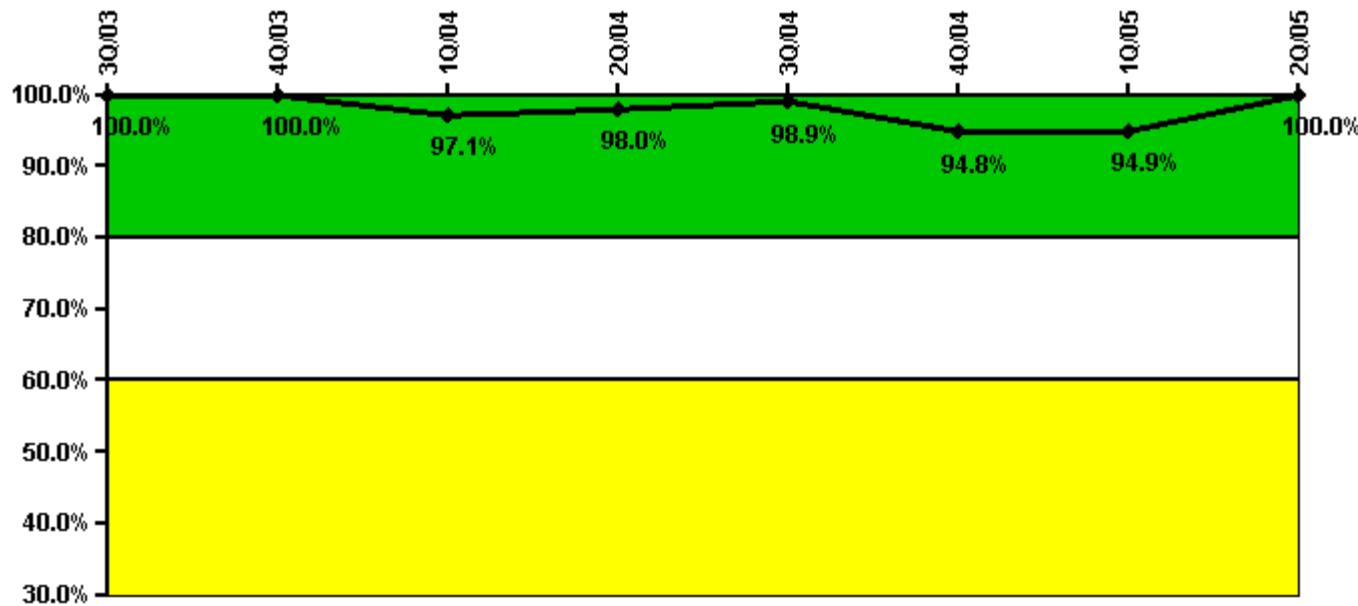
#### Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	33.0	102.0	0	2.0	71.0	34.0	0	67.0
Total opportunities	34.0	103.0	0	2.0	74.0	36.0	0	72.0
Indicator value	95.9%	97.7%	97.7%	98.2%	97.9%	97.4%	97.3%	96.3%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

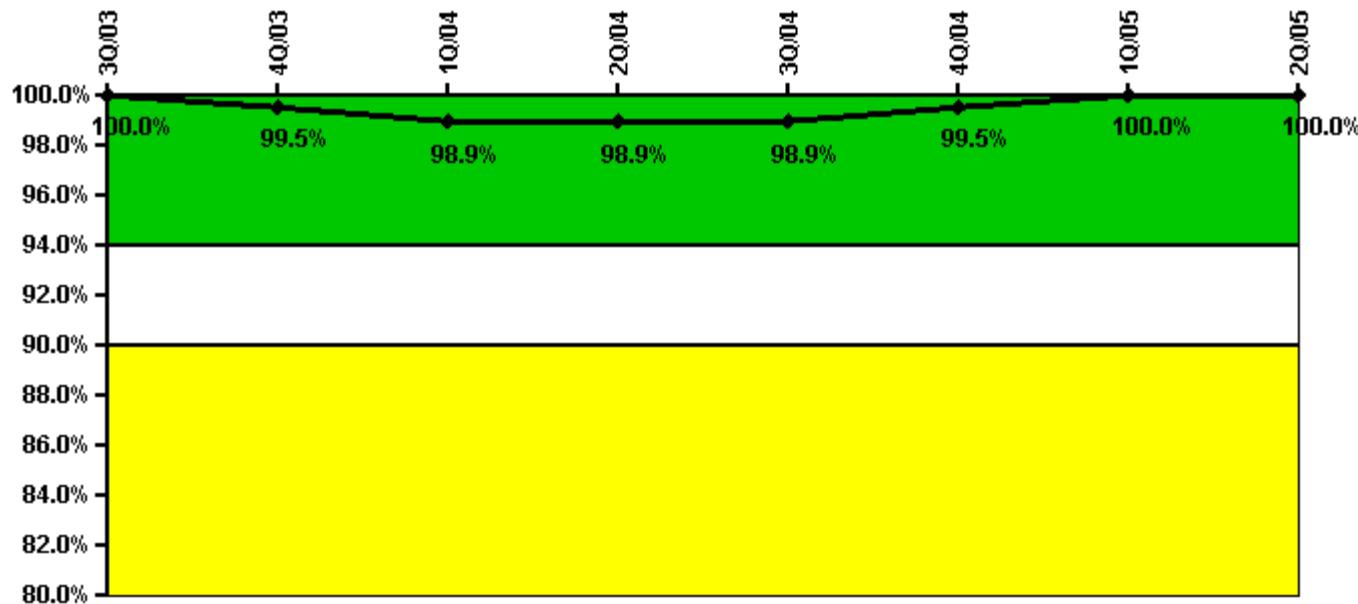
#### Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	100.0	108.0	100.0	97.0	91.0	91.0	93.0	108.0
Total Key personnel	100.0	108.0	103.0	99.0	92.0	96.0	98.0	108.0
Indicator value	<b>100.0%</b>	<b>100.0%</b>	<b>97.1%</b>	<b>98.0%</b>	<b>98.9%</b>	<b>94.8%</b>	<b>94.9%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



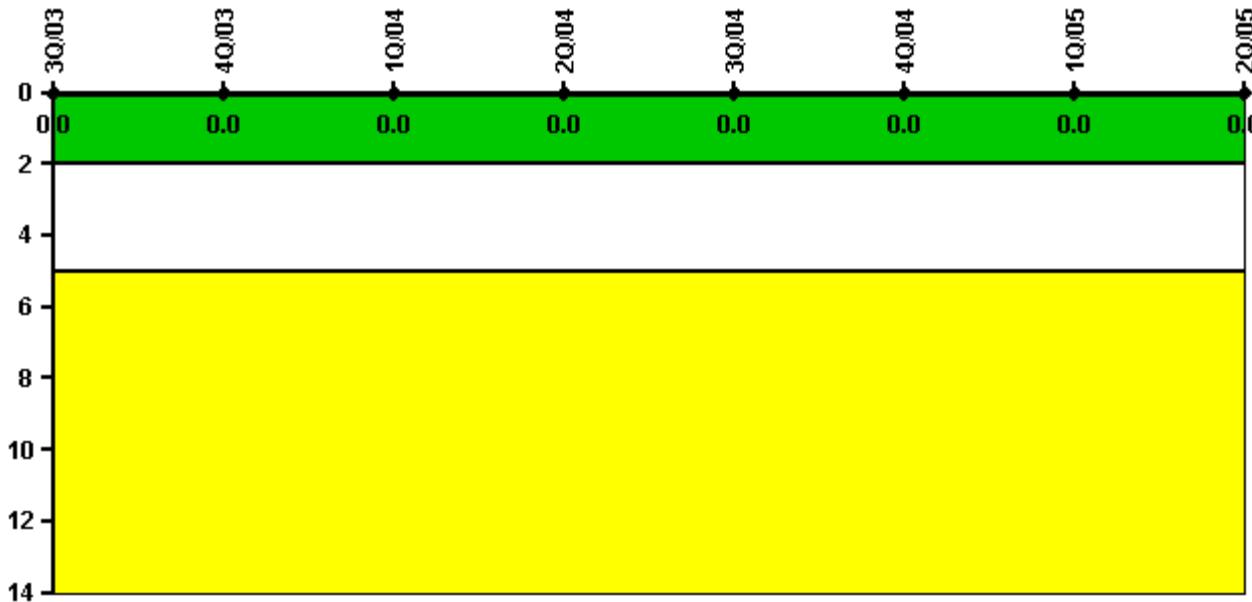
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	45	47	47	45	45	51	48	48
Total sirens-tests	45	48	48	45	45	51	48	48
<b>Indicator value</b>	<b>100.0%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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**Occupational Exposure Control Effectiveness**

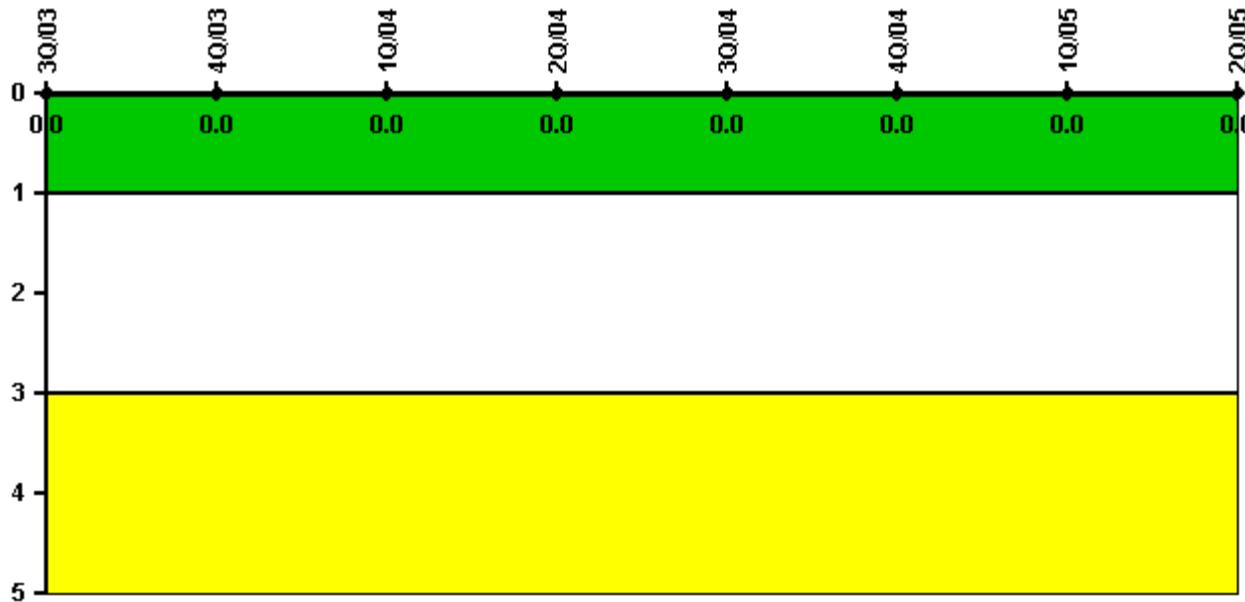
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/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	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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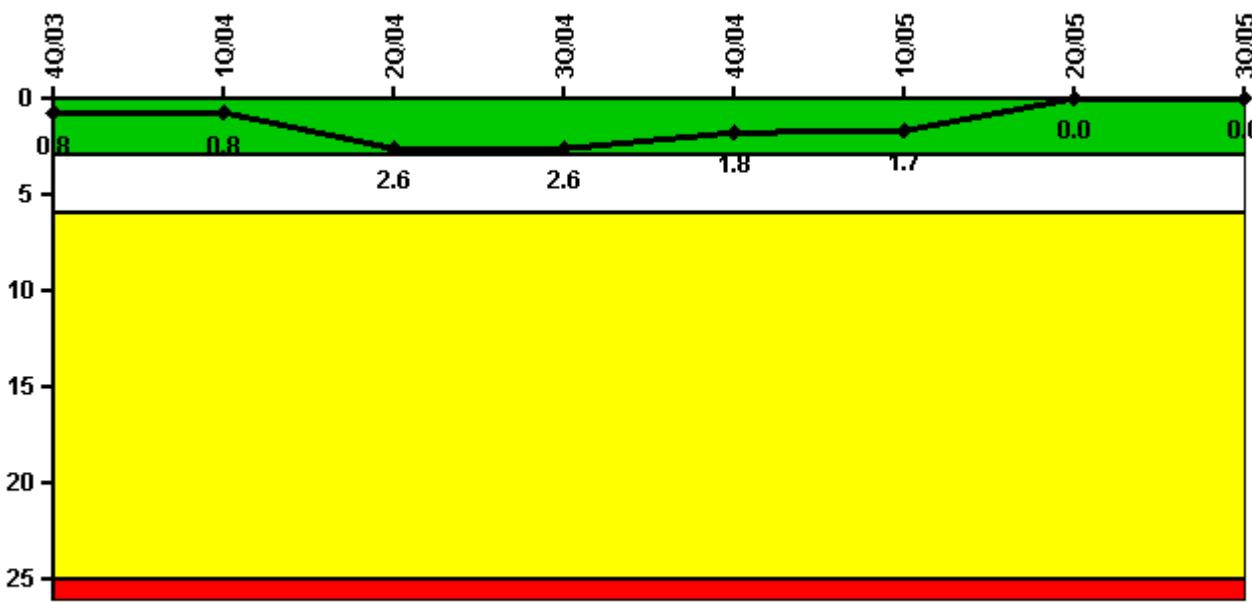


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 3, 2005

**Farley 2****3Q/2005 Performance Indicators**

Licensee's General Comments: none

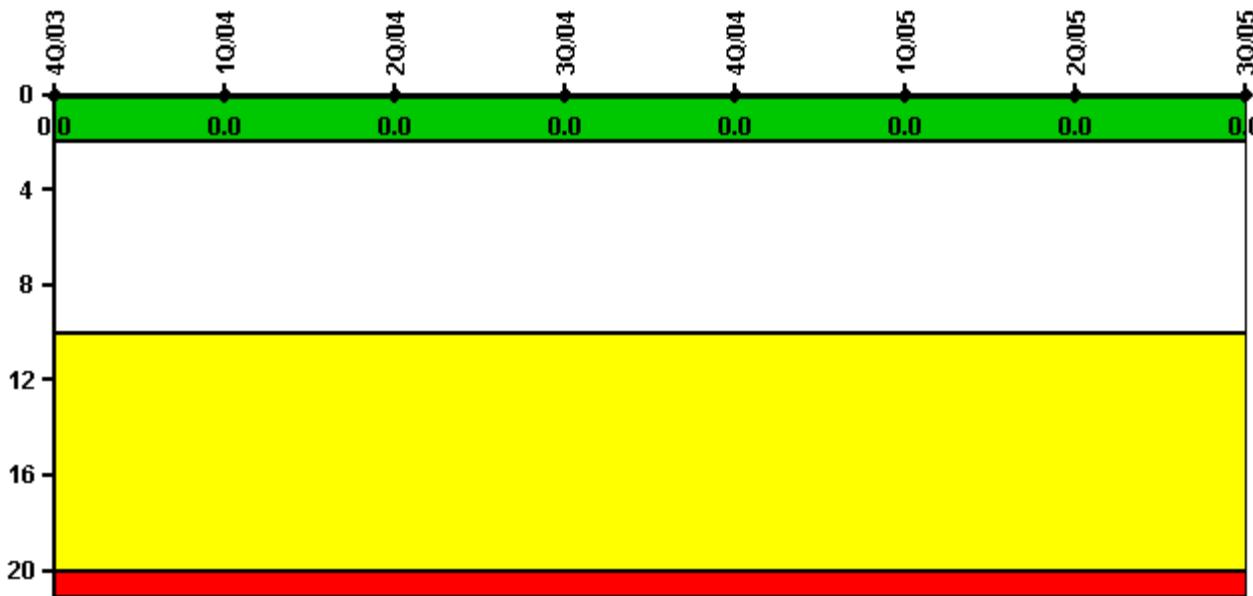
**Unplanned Scrams per 7000 Critical Hrs**

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	1.0	0	2.0	0	0	0	0	0
Critical hours	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	<b>0.8</b>	<b>0.8</b>	<b>2.6</b>	<b>2.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

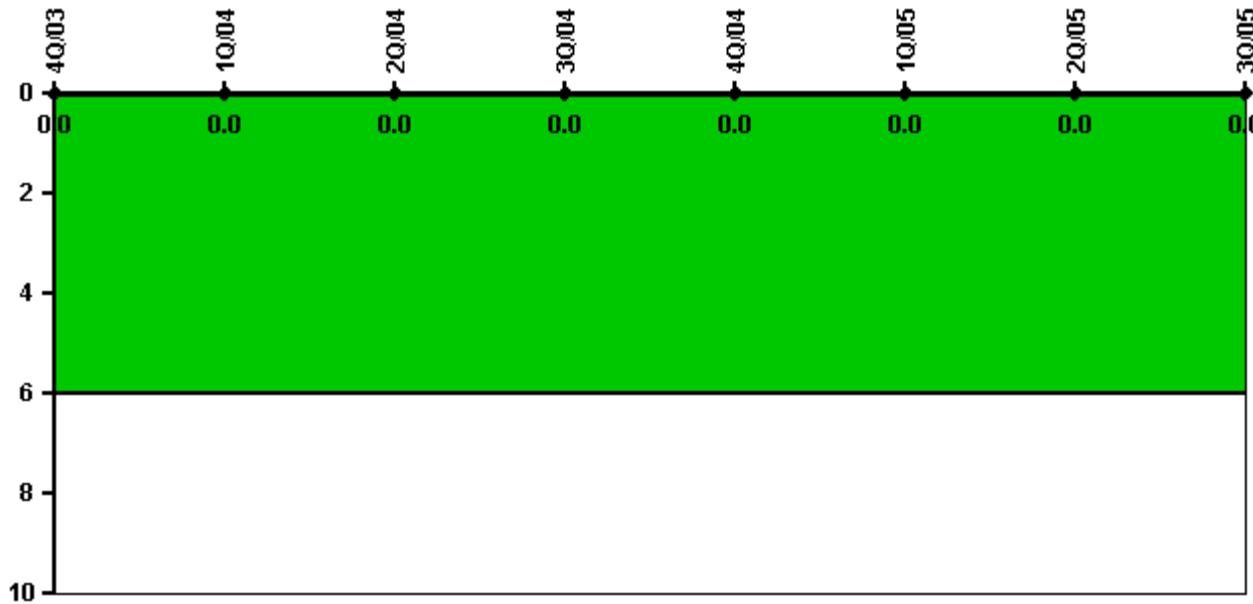
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	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

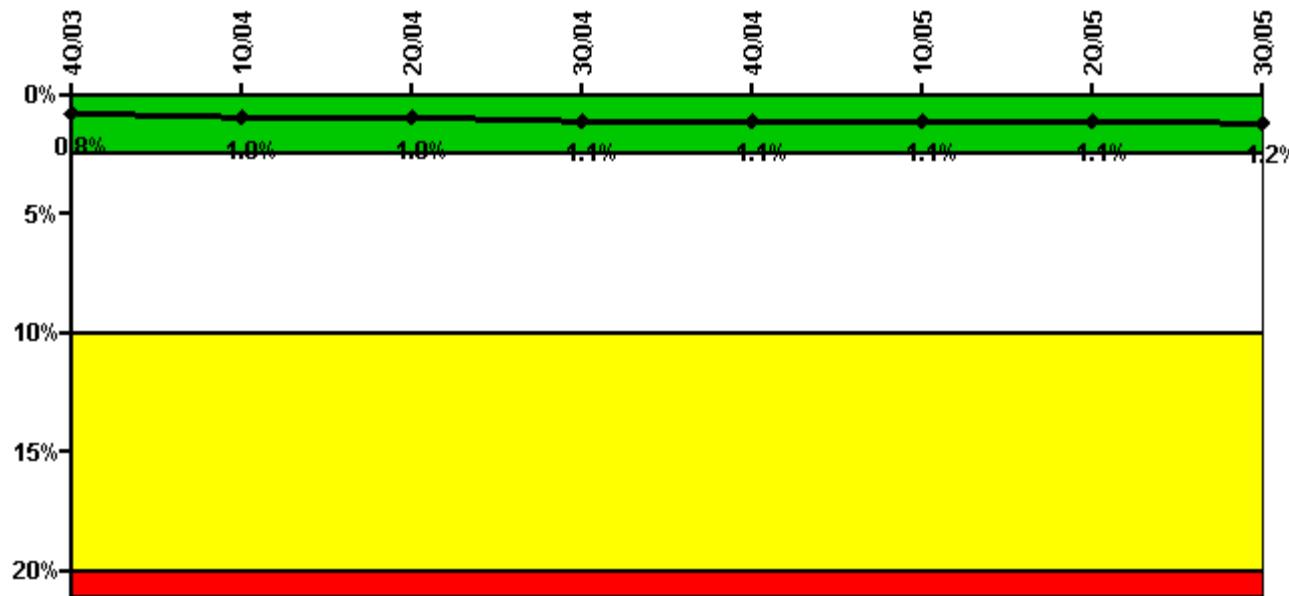
**Notes**

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	0	0	0	0	0	0	0	0
Critical hours	2179.5	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	<b>0</b>							

Licensee Comments: none

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



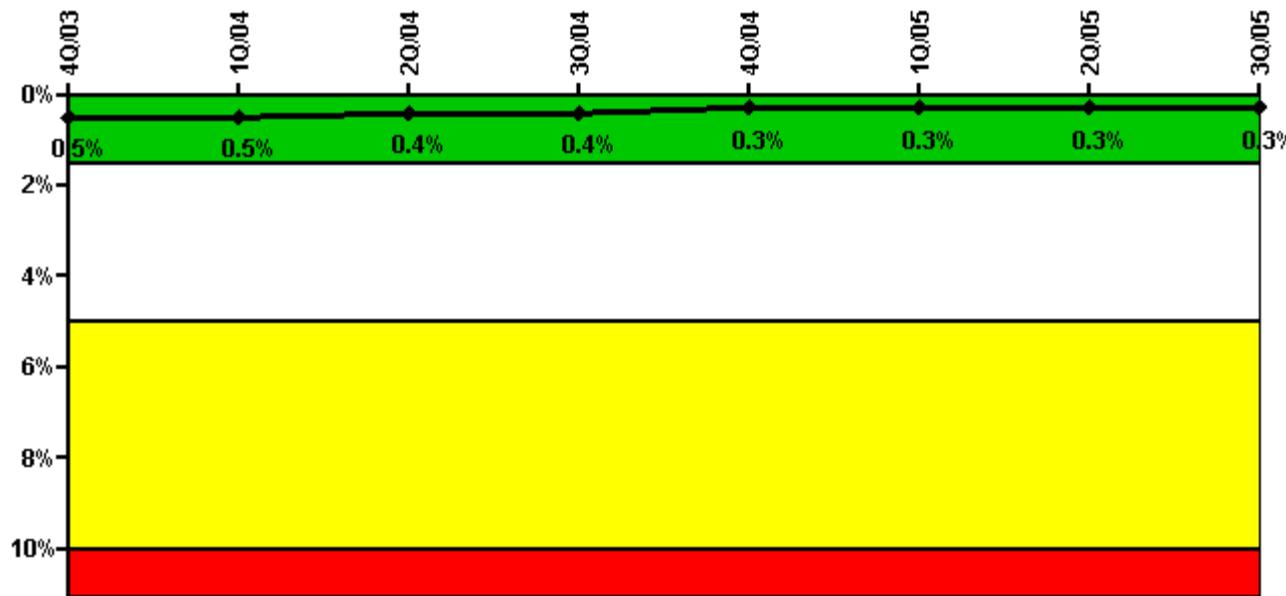
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	29.70	0	43.00	0	3.50	4.30	48.90	43.30
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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0.50	34.22	0	23.20	0.30	0	1.90	21.80
Unplanned unavailable hours	0	0	0	11.60	0	2.10	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	3.90	99.10	39.60	34.00	9.50	12.20	44.20	7.80
Unplanned unavailable hours	0	0	0	0	1.20	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>0.8%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.2%</b>

Licensee Comments: none

## **Safety System Unavailability, High Pressure Injection System (HPSI)**



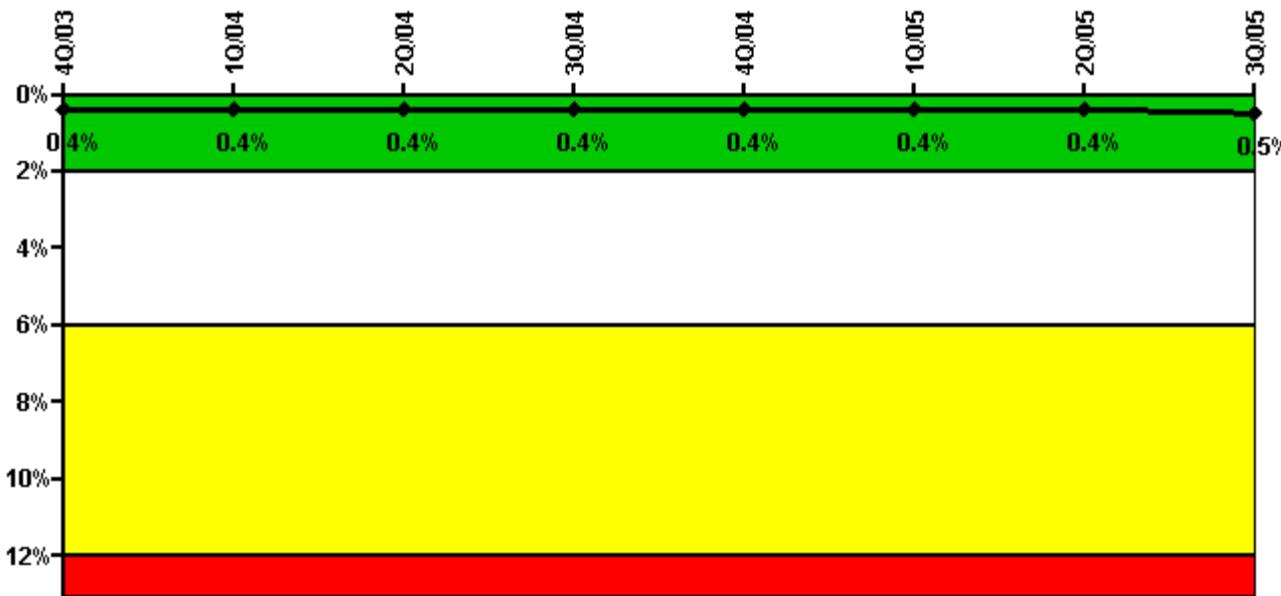
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	4.30	2.10	1.90	5.60	5.70	2.70	6.40	5.90
Unplanned unavailable hours	1.20	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	5.70	3.40	51.20	2.20	5.80	5.20	2.70	5.70
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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.4%</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 Unavailability, Heat Removal System (AFW)



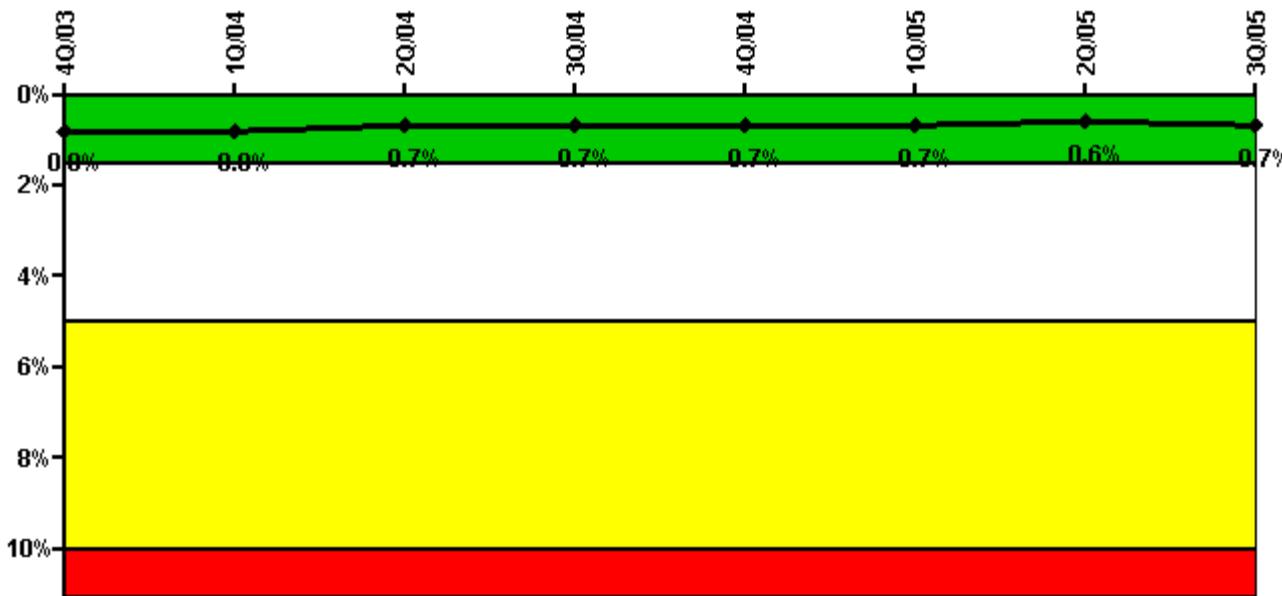
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	7.20	2.10	1.90	6.00	6.30	4.00	6.80	10.20
Unplanned unavailable hours	1.20	1.20	12.00	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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	5.70	3.40	44.00	3.60	6.20	5.80	3.20	7.40
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	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	0.60	1.80	10.00	12.90	3.50	2.80	5.40	58.10
Unplanned unavailable hours	0	0	23.30	0	4.80	0	0	0
Fault exposure hours	0	0	14.30	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2179.50	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>						

Licensee Comments: none

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

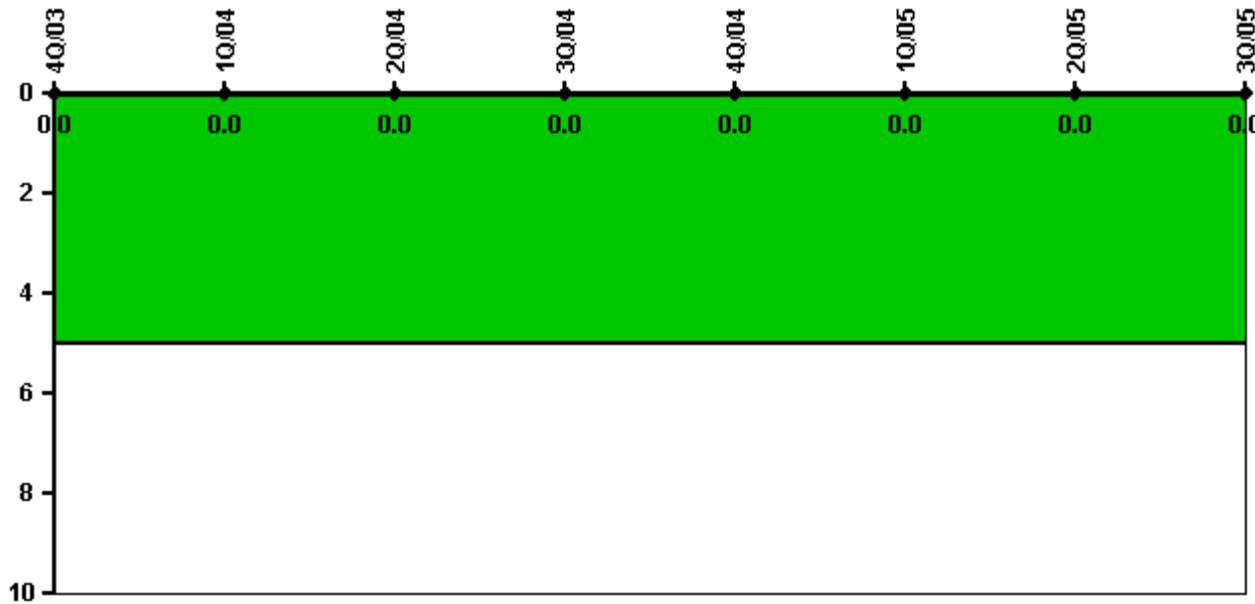


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	5.20	17.30	2.70	16.60	6.20	15.70	7.30	23.80
Unplanned unavailable hours	1.20	0	0	0	0	0	0	3.80
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	19.40	3.70	44.20	16.20	7.10	16.90	3.30	14.40
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>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

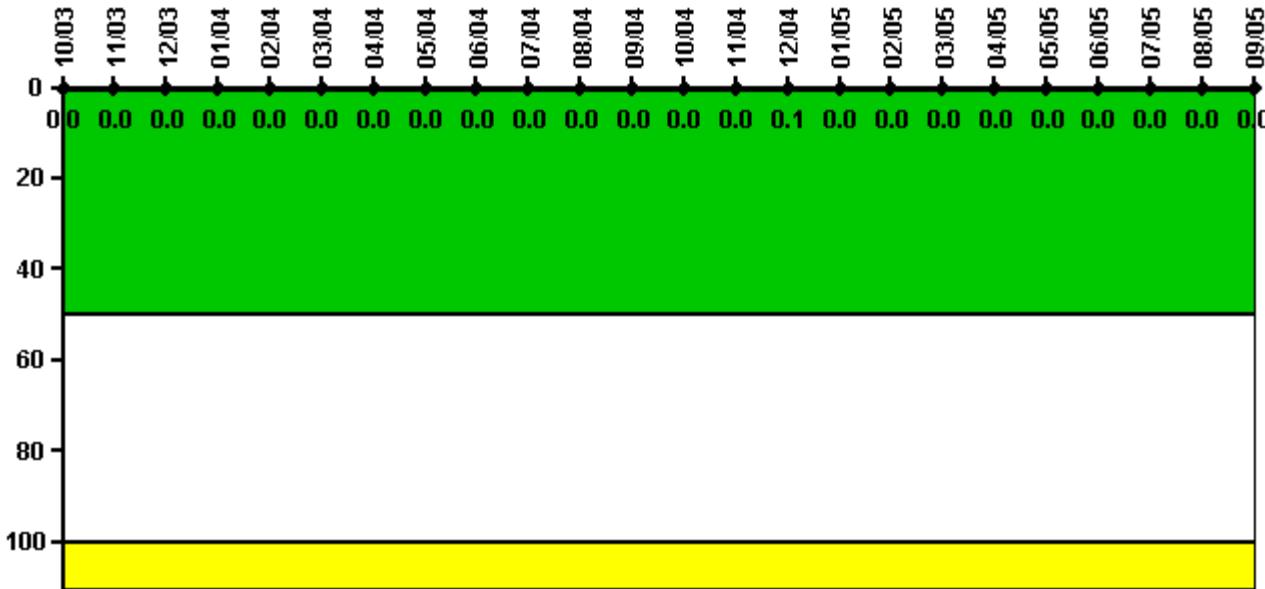
**Notes**

Safety System Functional Failures (PWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
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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## **Reactor Coolant System Activity**

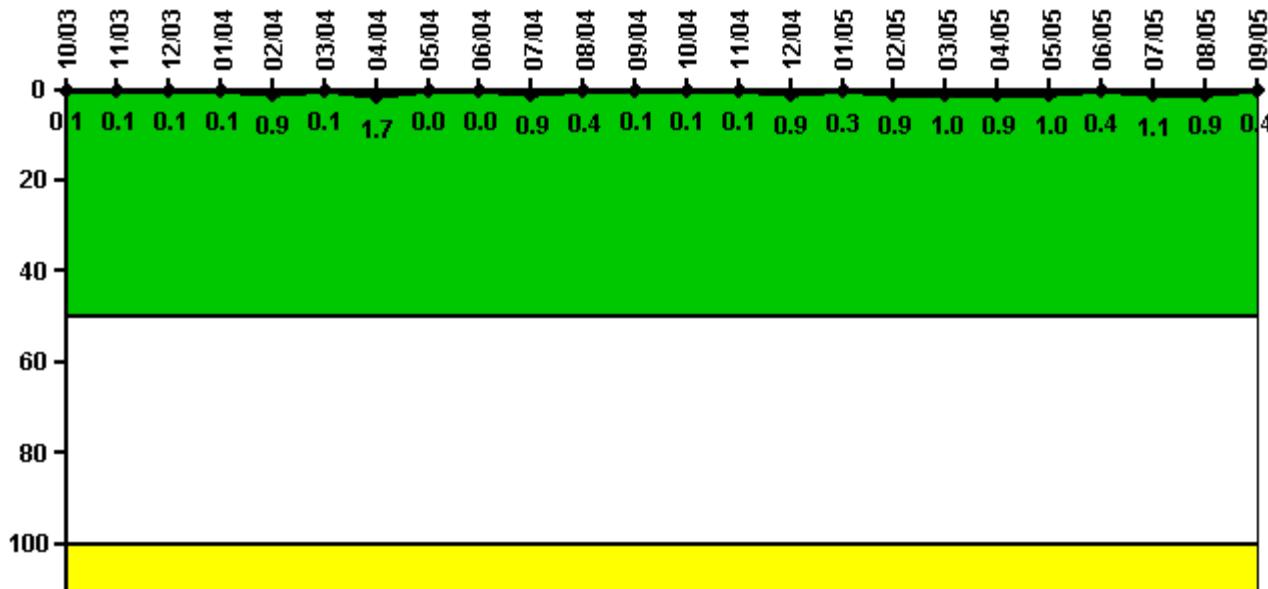


**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

Licensee Comments: none

## Reactor Coolant System Leakage



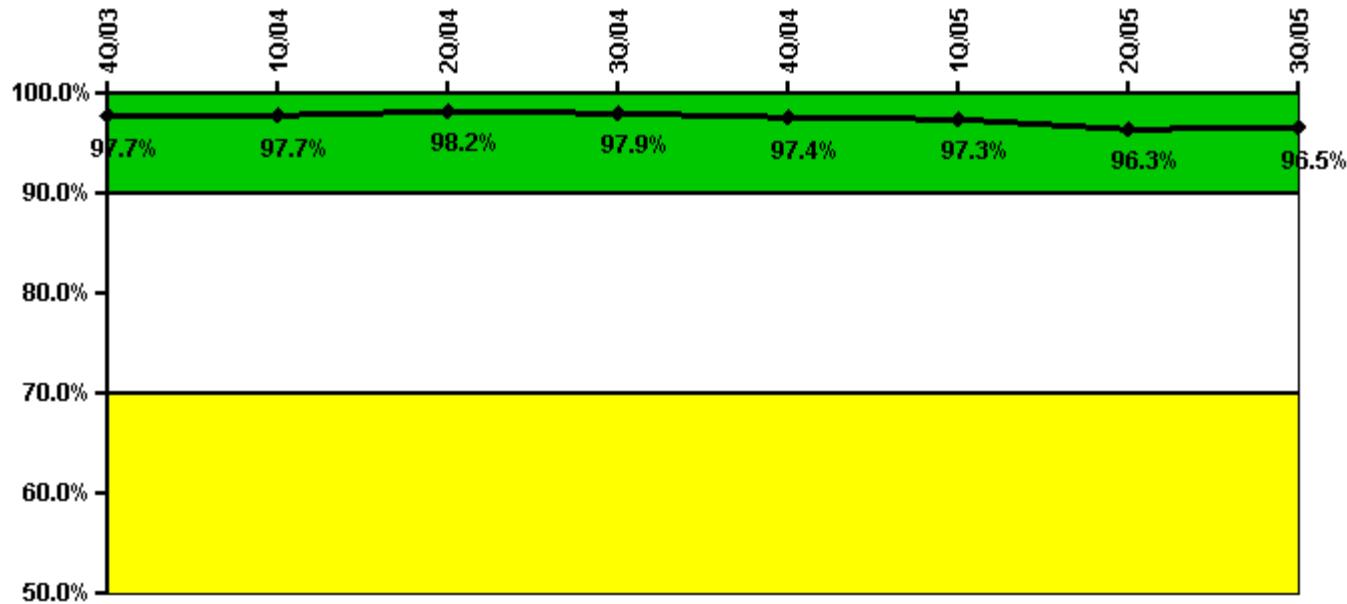
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.009	0.014	0.009	0.009	0.093	0.012	0.165	0	0	0.088	0.044	0.006
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.1</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>
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	0.010	0.010	0.090	0.030	0.090	0.100	0.090	0.100	0.040	0.110	0.090	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

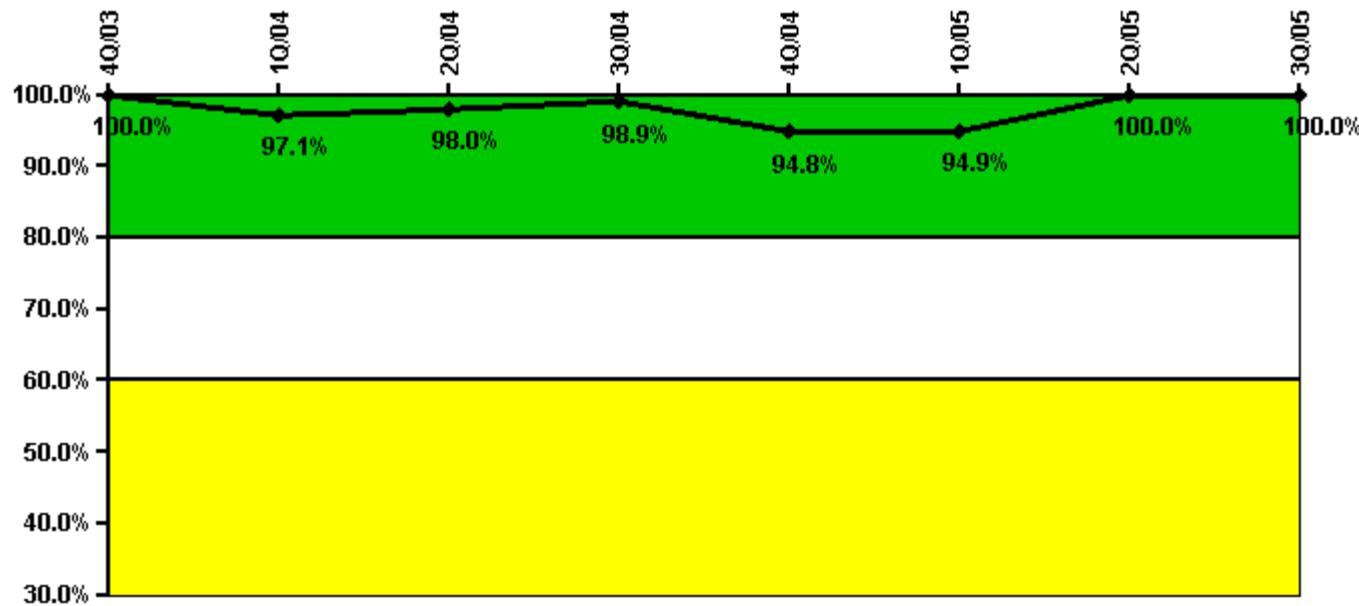
#### Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	102.0	0	2.0	71.0	34.0	0	67.0	59.0
Total opportunities	103.0	0	2.0	74.0	36.0	0	72.0	60.0
Indicator value	97.7%	97.7%	98.2%	97.9%	97.4%	97.3%	96.3%	96.5%

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

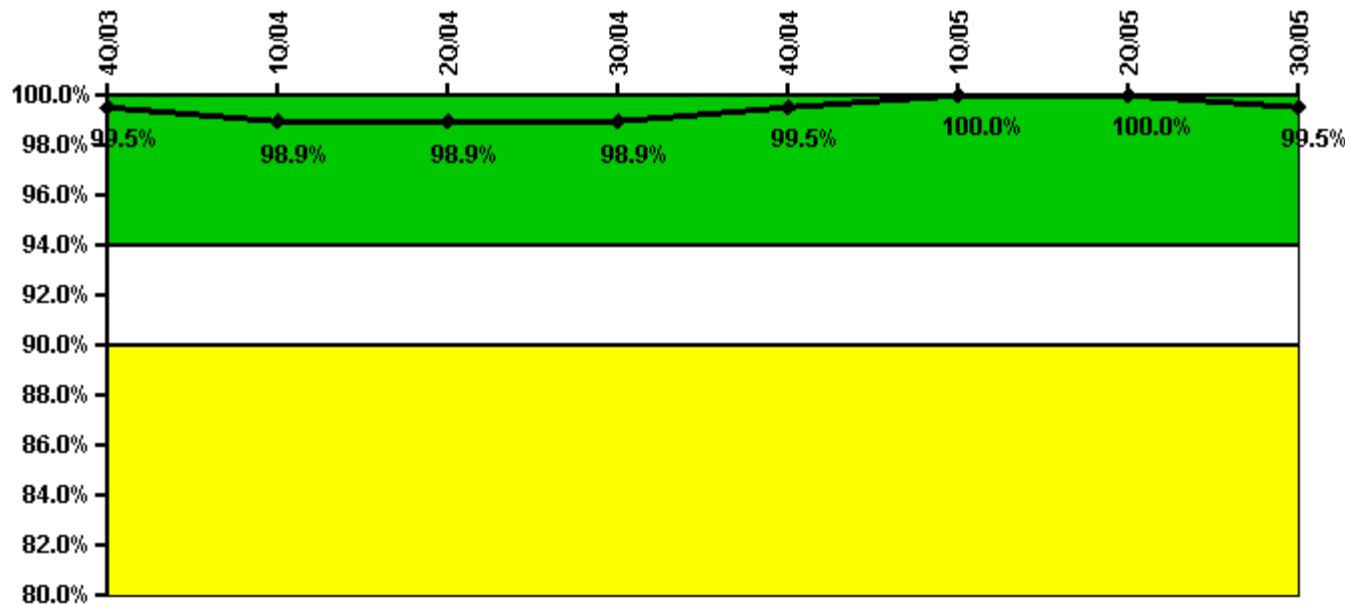
#### Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	108.0	100.0	97.0	91.0	91.0	93.0	108.0	106.0
Total Key personnel	108.0	103.0	99.0	92.0	96.0	98.0	108.0	106.0
Indicator value	<b>100.0%</b>	<b>97.1%</b>	<b>98.0%</b>	<b>98.9%</b>	<b>94.8%</b>	<b>94.9%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



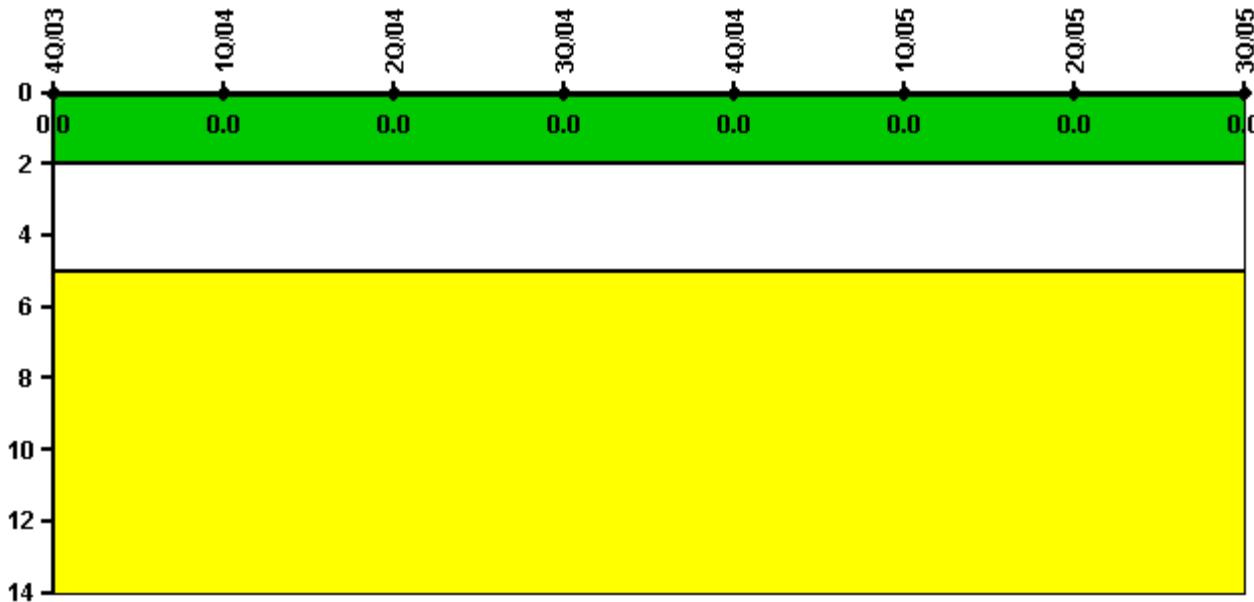
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	47	47	45	45	51	48	48	47
Total sirens-tests	48	48	45	45	51	48	48	48
<b>Indicator value</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>

Licensee Comments: none

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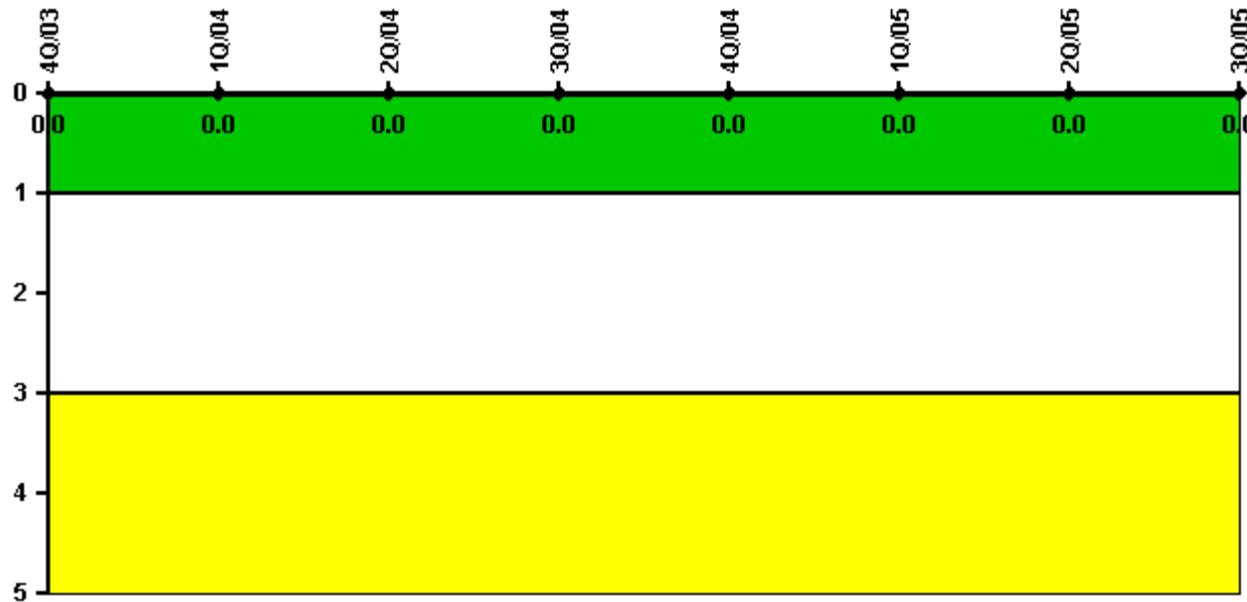
**Occupational Exposure Control Effectiveness**

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	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/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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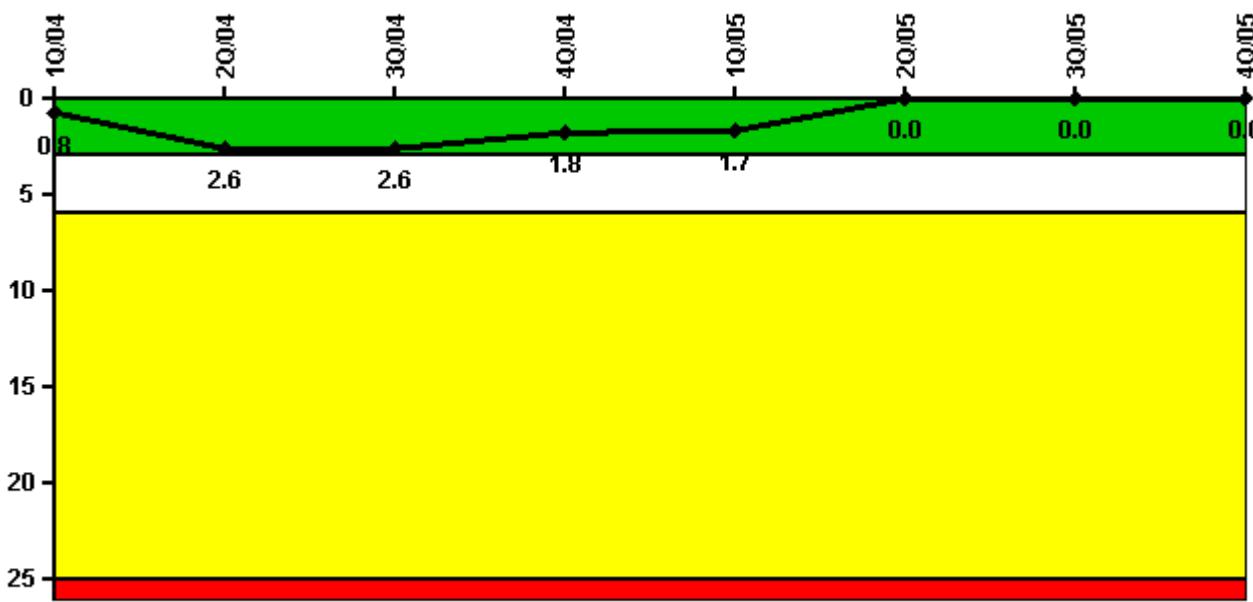


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: November 3, 2005

**Farley 2****4Q/2005 Performance Indicators**

Licensee's General Comments: none

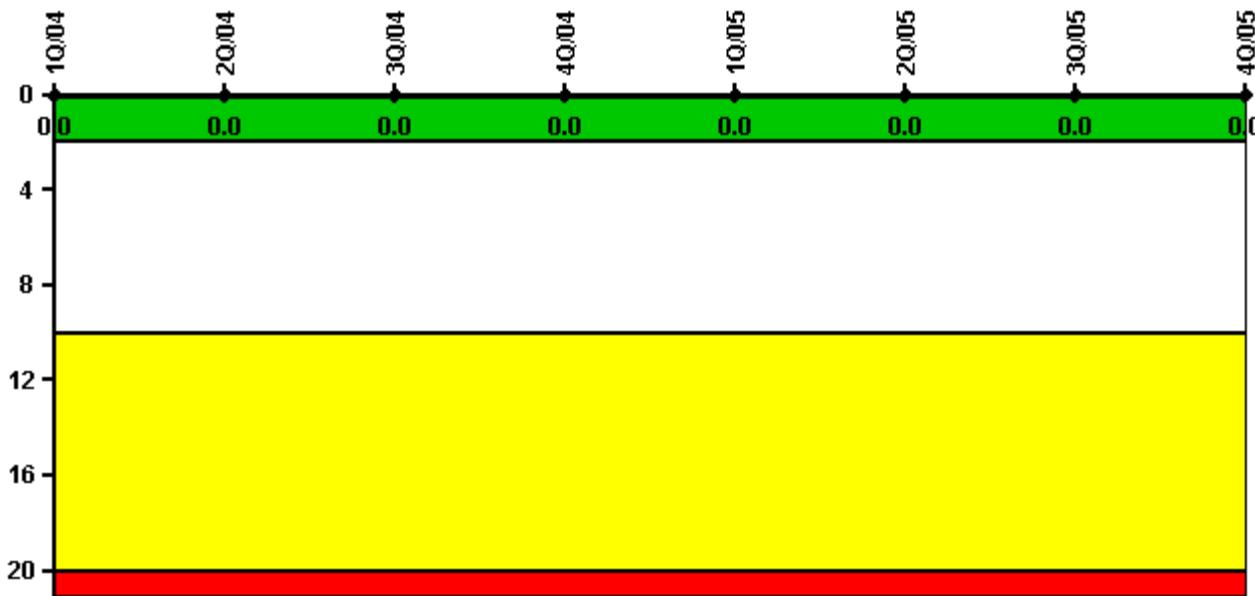
**Unplanned Scrams per 7000 Critical Hrs**

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	2.0	0	0	0	0	0	0
Critical hours	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2
Indicator value	0.8	2.6	2.6	1.8	1.7	0	0	0

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

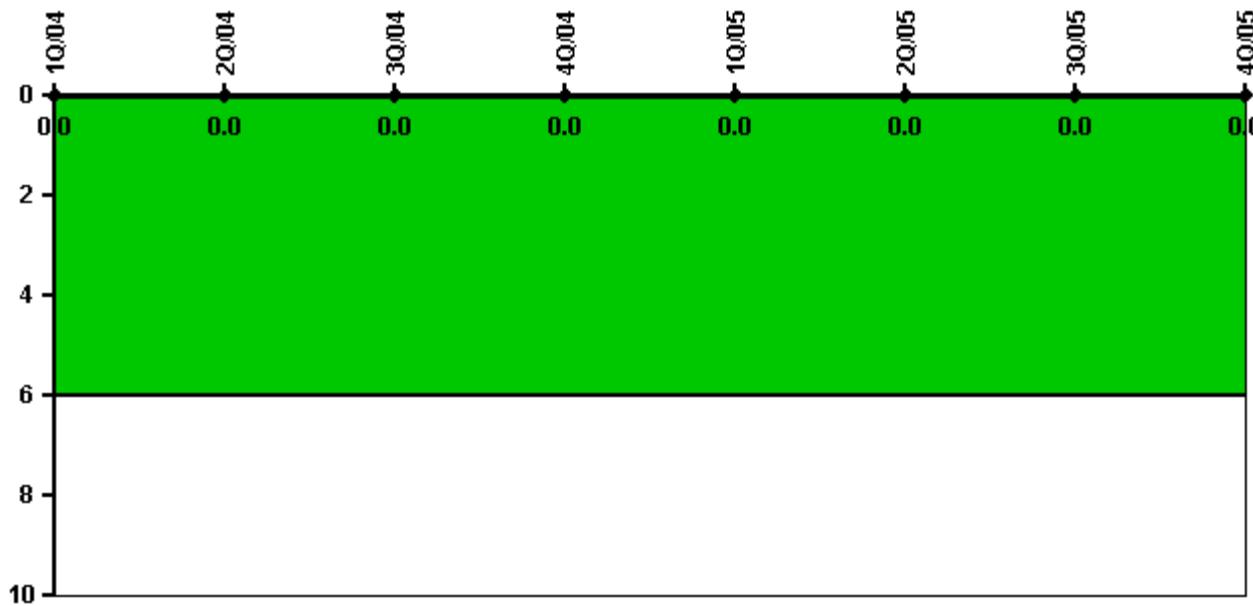
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

**Notes**

Scrams with Loss of Normal Heat Removal	1Q/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

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**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White > 6.0

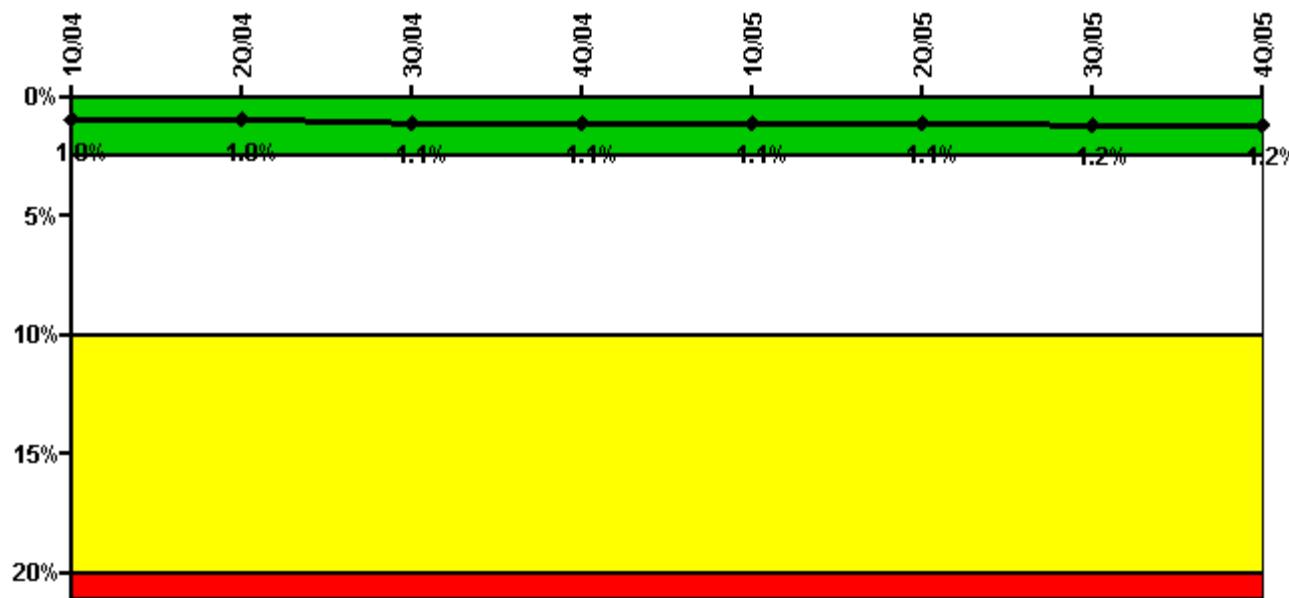
**Notes**

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	0	0	0	0	0	0	0
Critical hours	1728.9	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2
Indicator value	<b>0</b>							

Licensee Comments: none

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



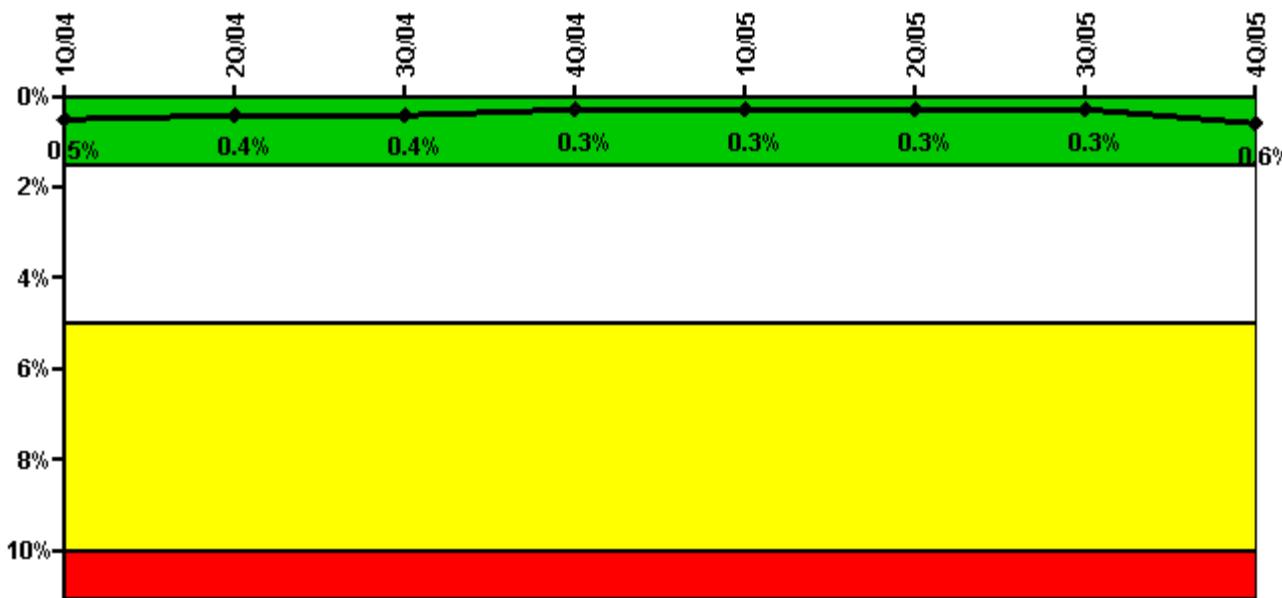
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### 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	43.00	0	3.50	4.30	48.90	43.30	59.90
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	34.22	0	23.20	0.30	0	1.90	21.80	47.40
Unplanned unavailable hours	0	0	11.60	0	2.10	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	99.10	39.60	34.00	9.50	12.20	44.20	7.80	24.50
Unplanned unavailable hours	0	0	0	1.20	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>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.2%</b>

Licensee Comments: none

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



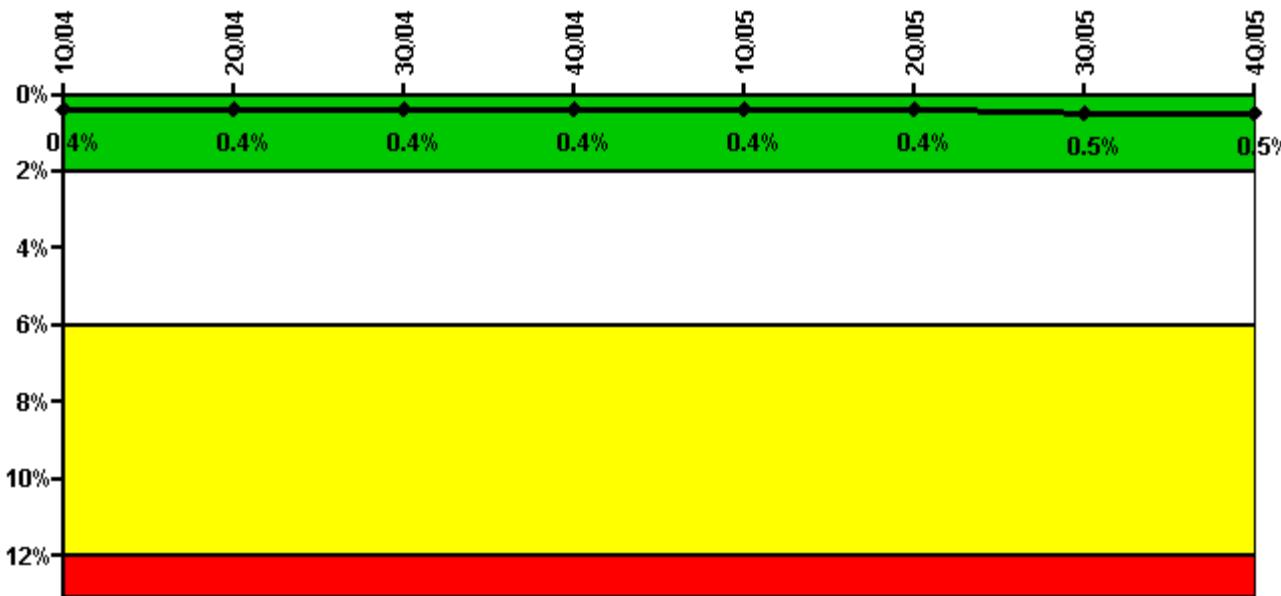
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	2.10	1.90	5.60	5.70	2.70	6.40	5.90	2.30
Unplanned unavailable hours	0	0	0	0	0	0	0	2.60
Fault exposure hours	0	0	0	0	0	0	0	126.70
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20
<b>Train 2</b>								
Planned unavailable hours	3.40	51.20	2.20	5.80	5.20	2.70	5.70	1.70
Unplanned unavailable hours	0	0	0	0	0	0	0	8.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20
<b>Indicator value</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.6%</b>

Licensee Comments: none

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



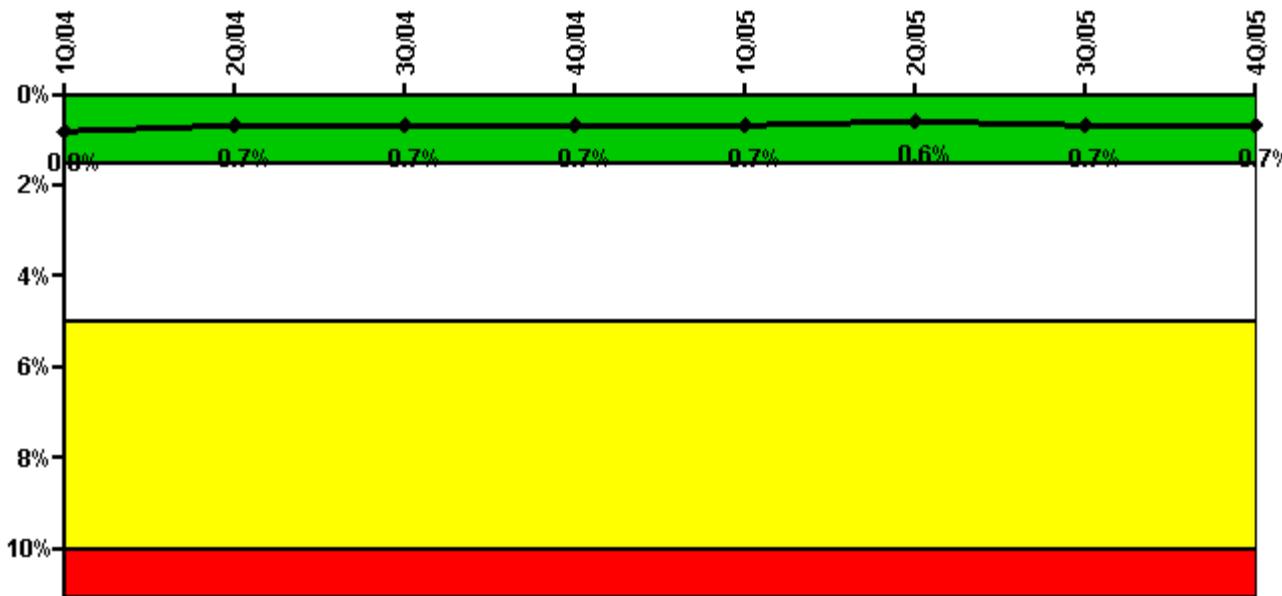
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	2.10	1.90	6.00	6.30	4.00	6.80	10.20	2.30
Unplanned unavailable hours	1.20	12.00	0	0	0	0	0	12.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20
<b>Train 2</b>								
Planned unavailable hours	3.40	44.00	3.60	6.20	5.80	3.20	7.40	1.50
Unplanned unavailable hours	0	0	0	0	0	0	0	8.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20
<b>Train 3</b>								
Planned unavailable hours	1.80	10.00	12.90	3.50	2.80	5.40	58.10	11.40
Unplanned unavailable hours	0	23.30	0	4.80	0	0	0	0
Fault exposure hours	0	14.30	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1728.92	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20
<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>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

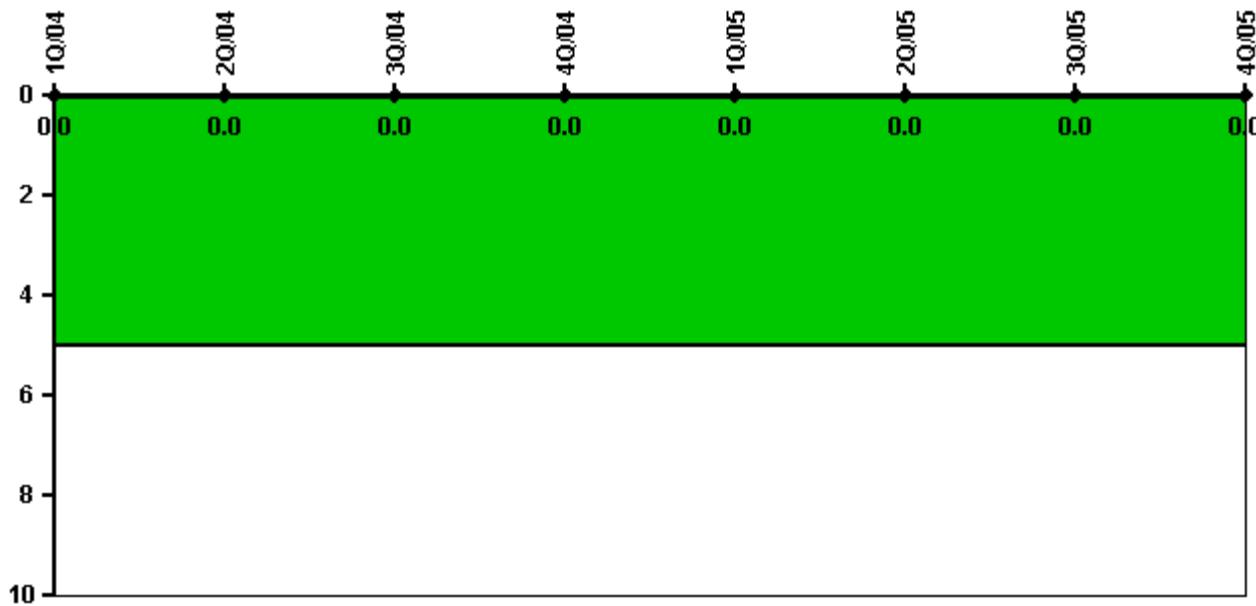


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
<b>Train 1</b>								
Planned unavailable hours	17.30	2.70	16.60	6.20	15.70	7.30	23.80	18.60
Unplanned unavailable hours	0	0	0	0	0	0	3.80	7.10
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	3.70	44.20	16.20	7.10	16.90	3.30	14.40	2.50
Unplanned unavailable hours	0	0	0	0	0	0	0	8.40
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>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

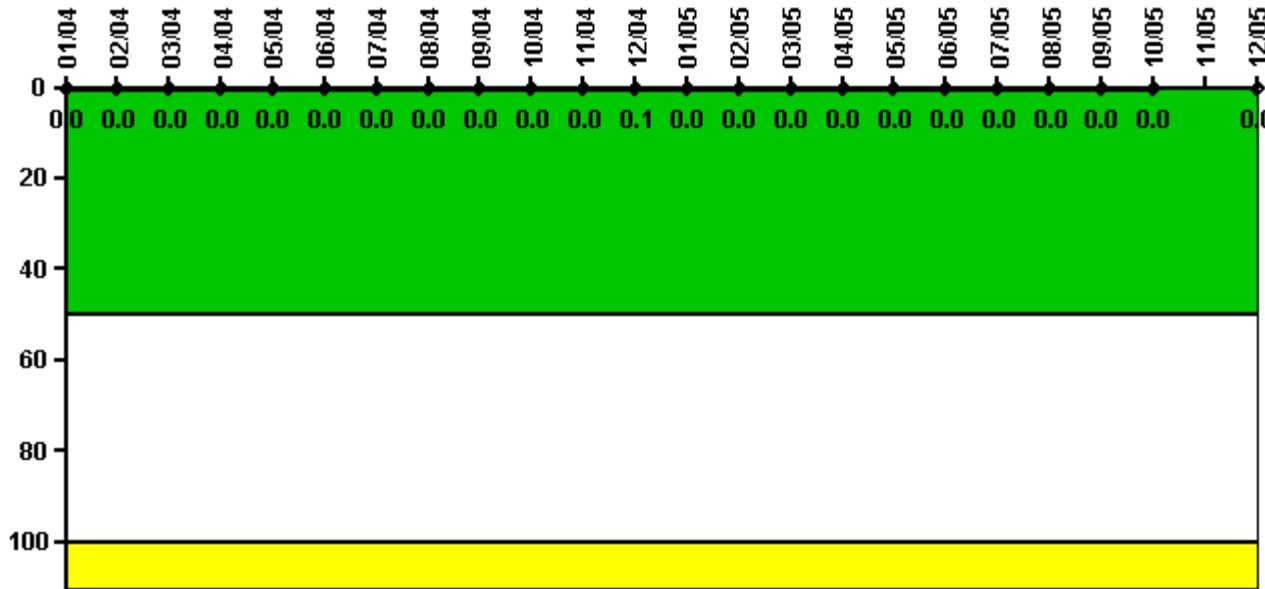
**Notes**

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
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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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

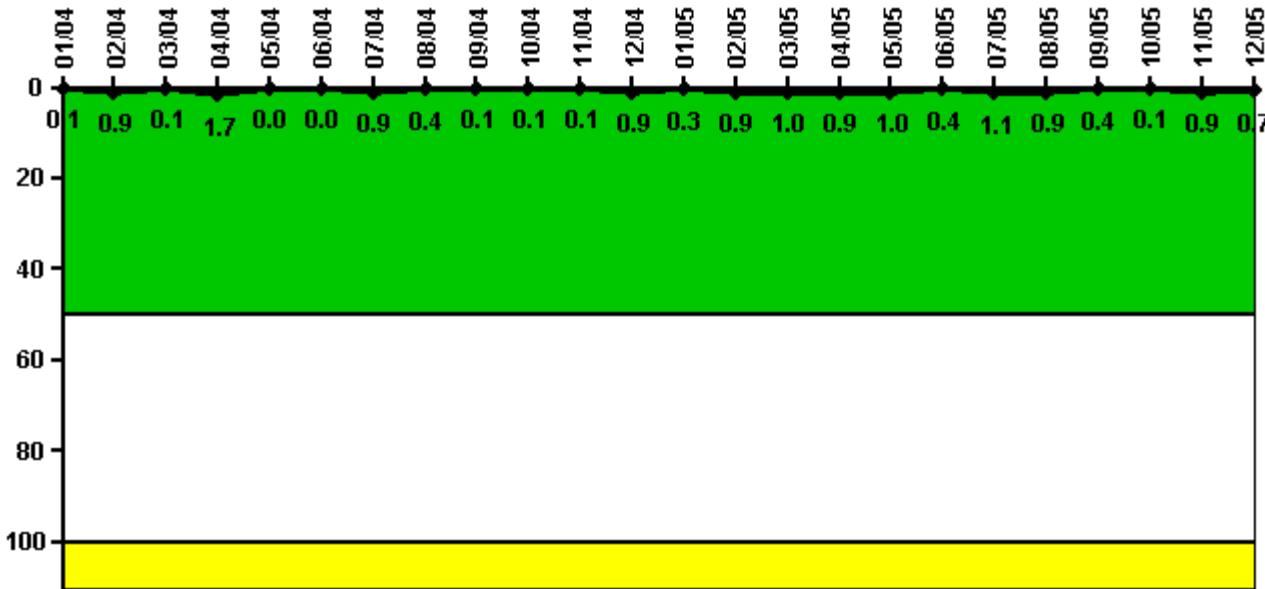
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000099	0.000133	0.000096	0.000053	0.000052	0.000082	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0.1

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	0.000126	0.000131	0.000133	0.000127	0.000126	0.000124	0.000124	0.000137	0.000136	0.000111	N/A	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	N/A	0

Licensee Comments: none

## Reactor Coolant System Leakage



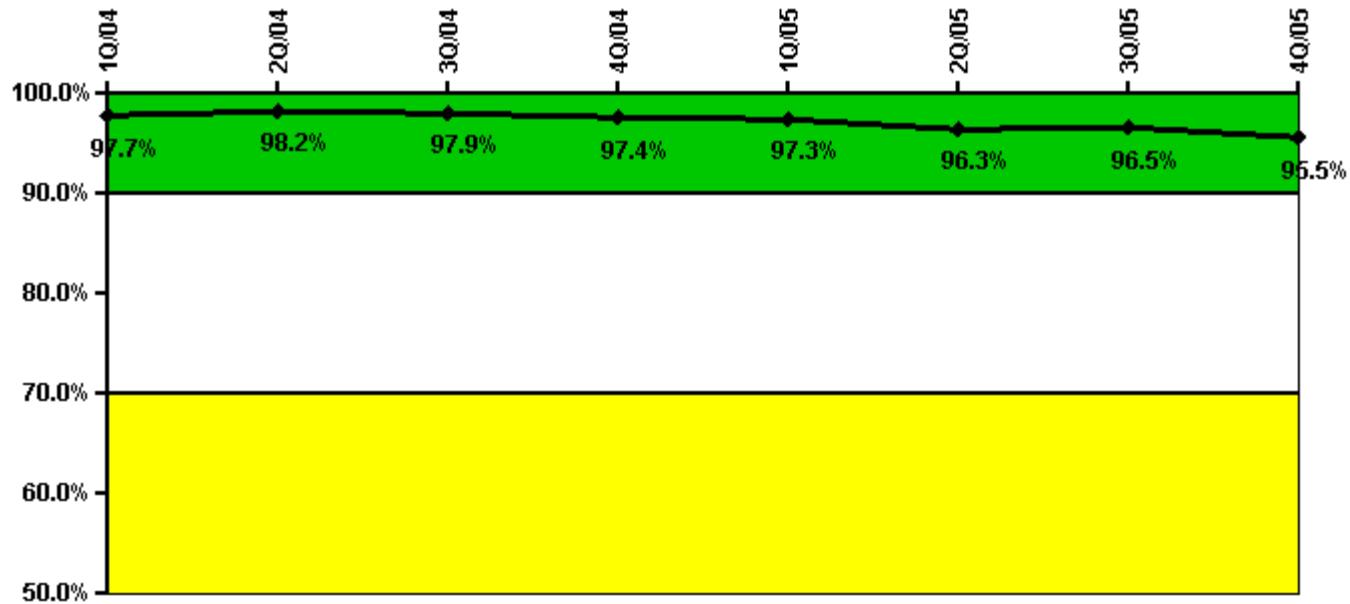
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.009	0.093	0.012	0.165	0	0	0.088	0.044	0.006	0.010	0.010	0.090
Indicator value	0.1	0.9	0.1	1.7	0	0	0.9	0.4	0.1	0.1	0.1	0.9
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	0.030	0.090	0.100	0.090	0.100	0.040	0.110	0.090	0.040	0.010	0.090	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.9	1.0	0.9	1.0	0.4	1.1	0.9	0.4	0.1	0.9	0.7

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

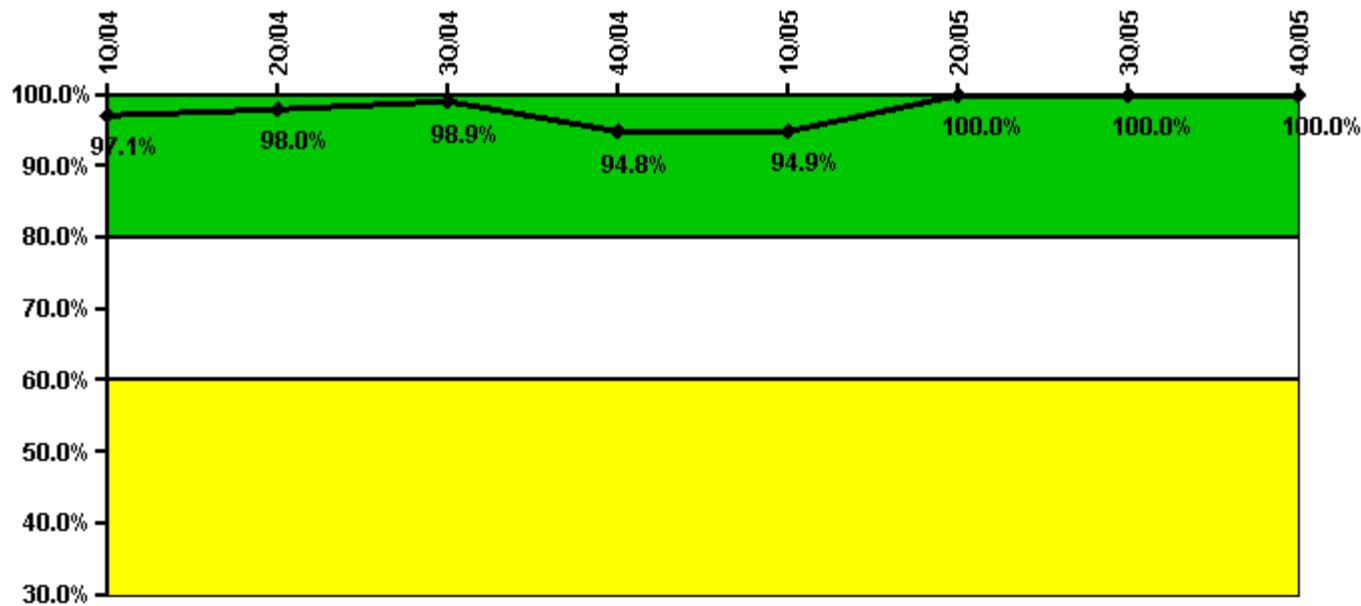
#### Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	0	2.0	71.0	34.0	0	67.0	59.0	2.0
Total opportunities	0	2.0	74.0	36.0	0	72.0	60.0	2.0
<b>Indicator value</b>	<b>97.7%</b>	<b>98.2%</b>	<b>97.9%</b>	<b>97.4%</b>	<b>97.3%</b>	<b>96.3%</b>	<b>96.5%</b>	<b>95.5%</b>

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

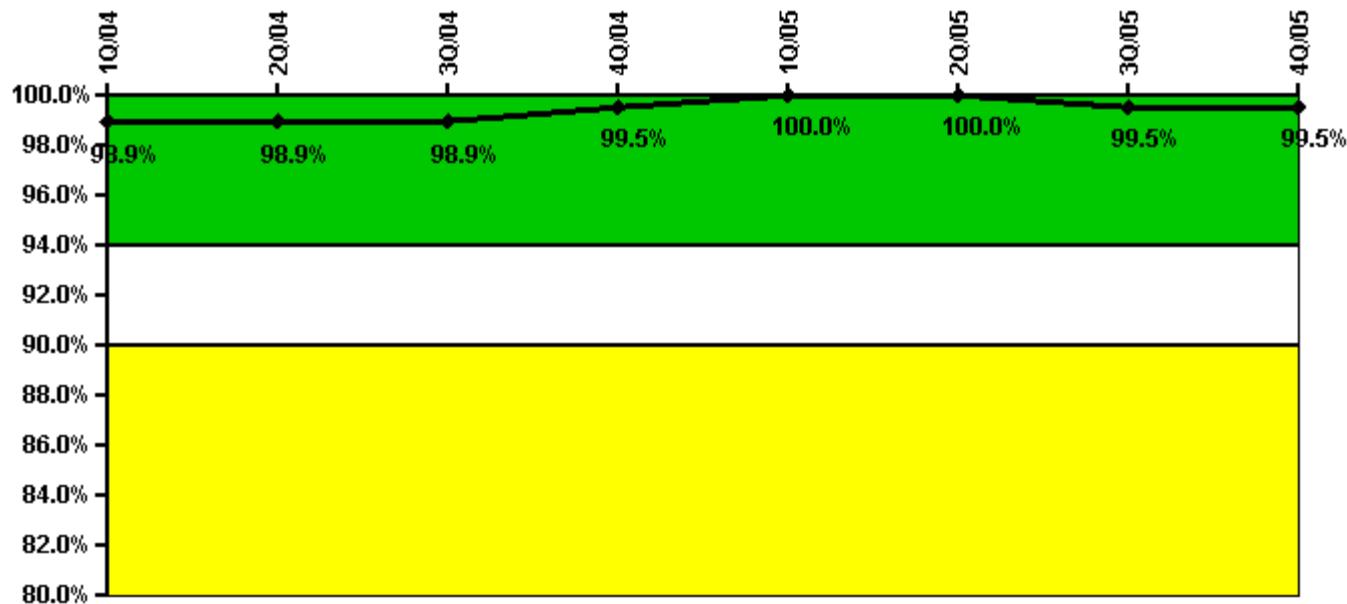
#### Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	100.0	97.0	91.0	91.0	93.0	108.0	106.0	102.0
Total Key personnel	103.0	99.0	92.0	96.0	98.0	108.0	106.0	102.0
Indicator value	97.1%	98.0%	98.9%	94.8%	94.9%	100.0%	100.0%	100.0%

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	47	45	45	51	48	48	47	48
Total sirens-tests	48	45	45	51	48	48	48	48
<b>Indicator value</b>	<b>98.9%</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>99.5%</b>

Licensee Comments: none

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**Occupational Exposure Control Effectiveness**

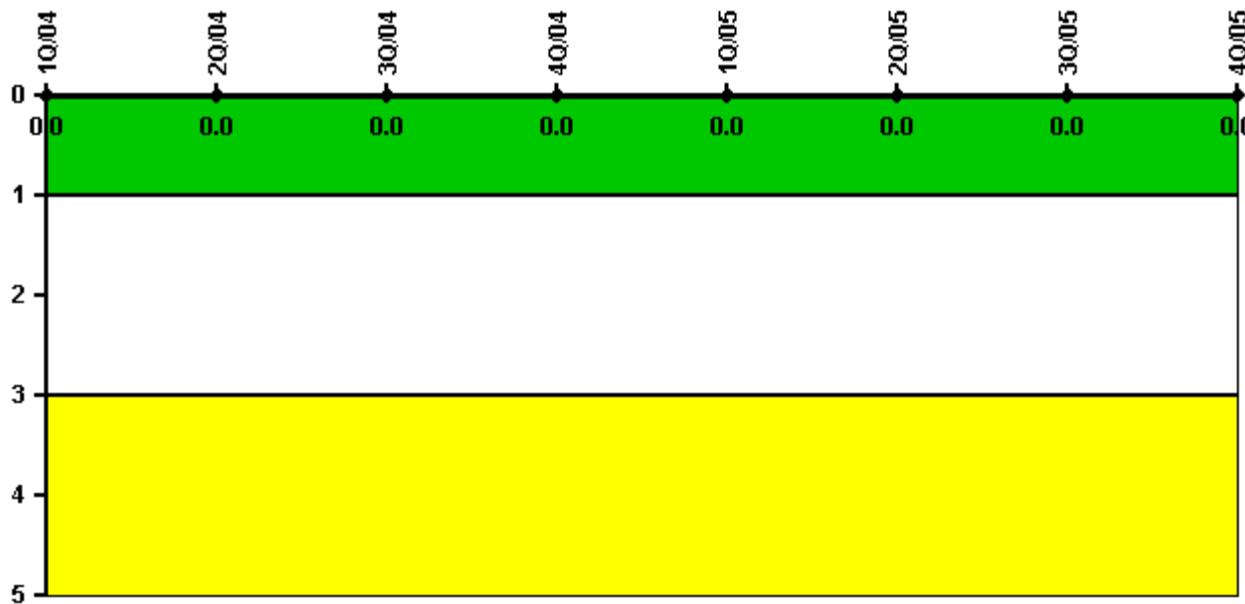
Thresholds: White > 2.0 Yellow > 5.0

**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: none

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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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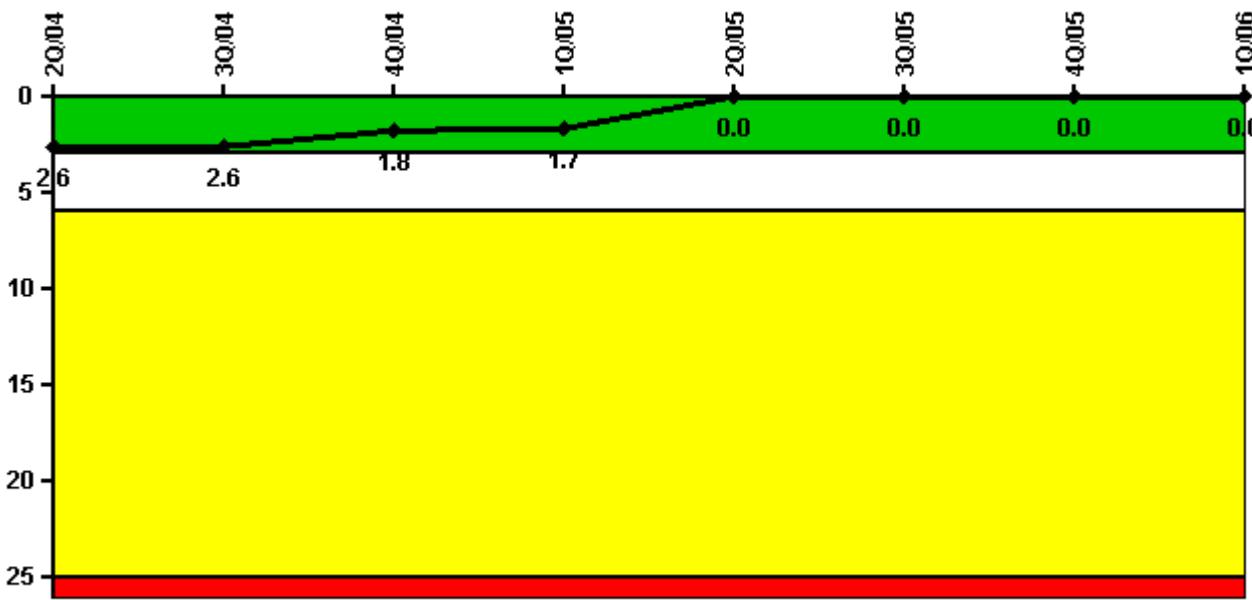


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 30, 2006

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

Licensee's General Comments: none

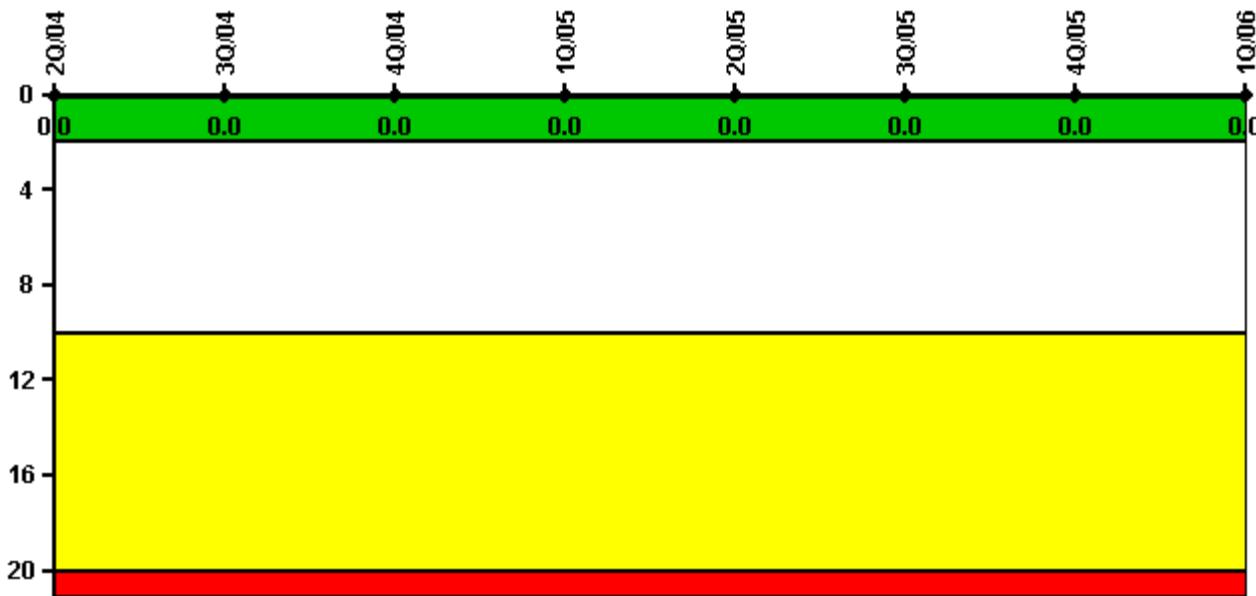
**Unplanned Scrams per 7000 Critical Hrs**

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	2.0	0	0	0	0	0	0	0
Critical hours	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0
Indicator value	<b>2.6</b>	<b>2.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>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

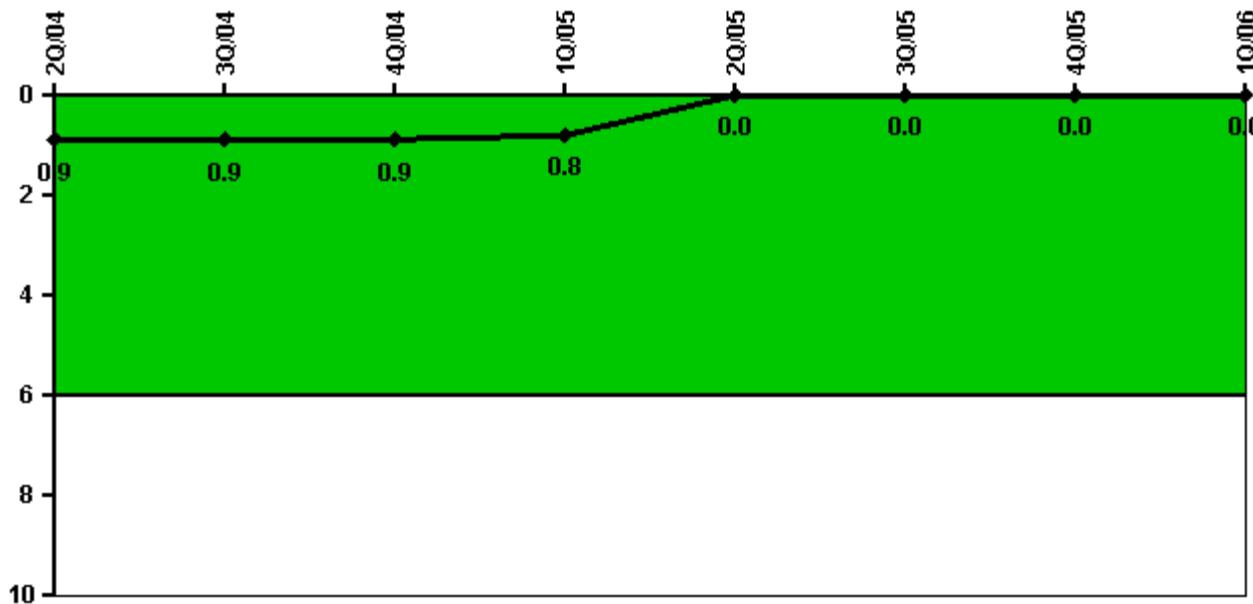
**Notes**

Scrams with Loss of Normal Heat Removal	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

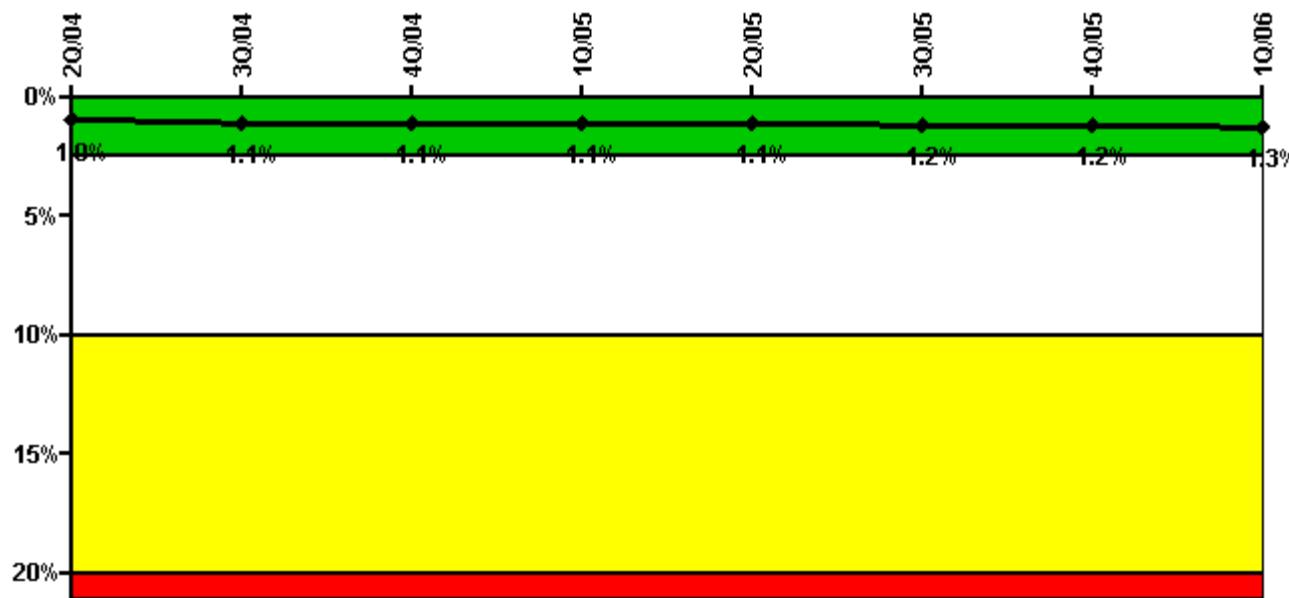
Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1847.8	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0
Indicator value	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

1Q/06: 2004 Q2 unplanned power change data corrected from 0 to 1 with 2006 Q1 report. Color of indicator unaffected.  
Current value of indicator unaffected.

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



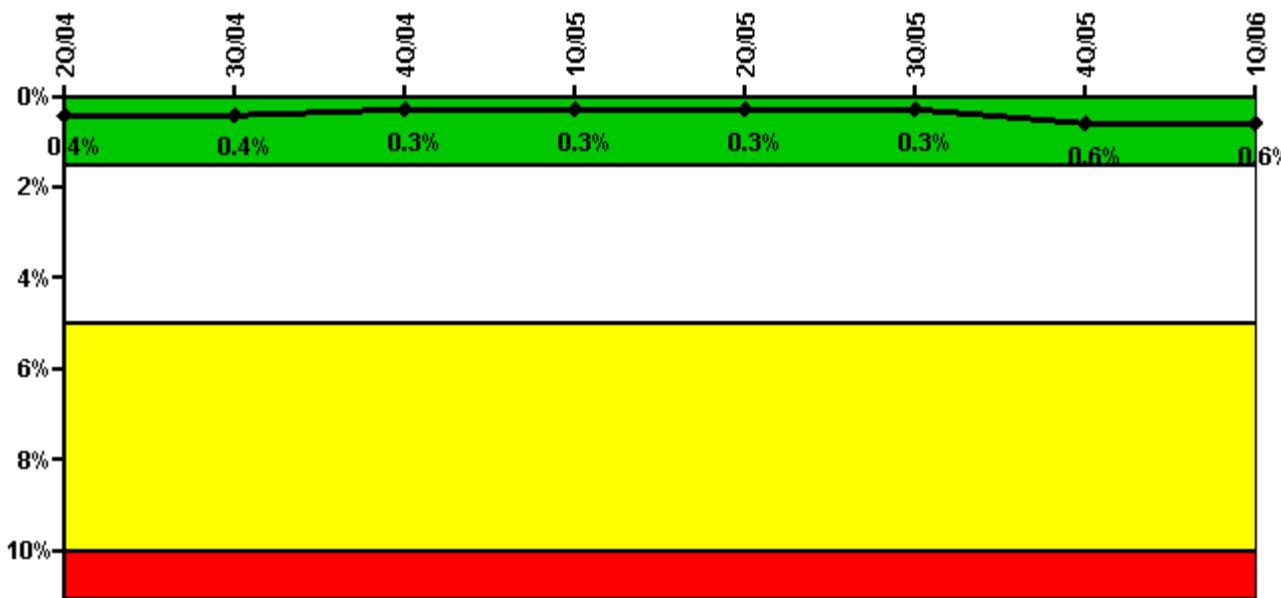
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	43.00	0	3.50	4.30	48.90	43.30	59.90	14.40
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	23.20	0.30	0	1.90	21.80	47.40	42.00
Unplanned unavailable hours	0	11.60	0	2.10	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	39.60	34.00	9.50	12.20	44.20	7.80	24.50	11.30
Unplanned unavailable hours	0	0	1.20	0	0	0	0	48.30
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>1.0%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.3%</b>

Licensee Comments: none

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



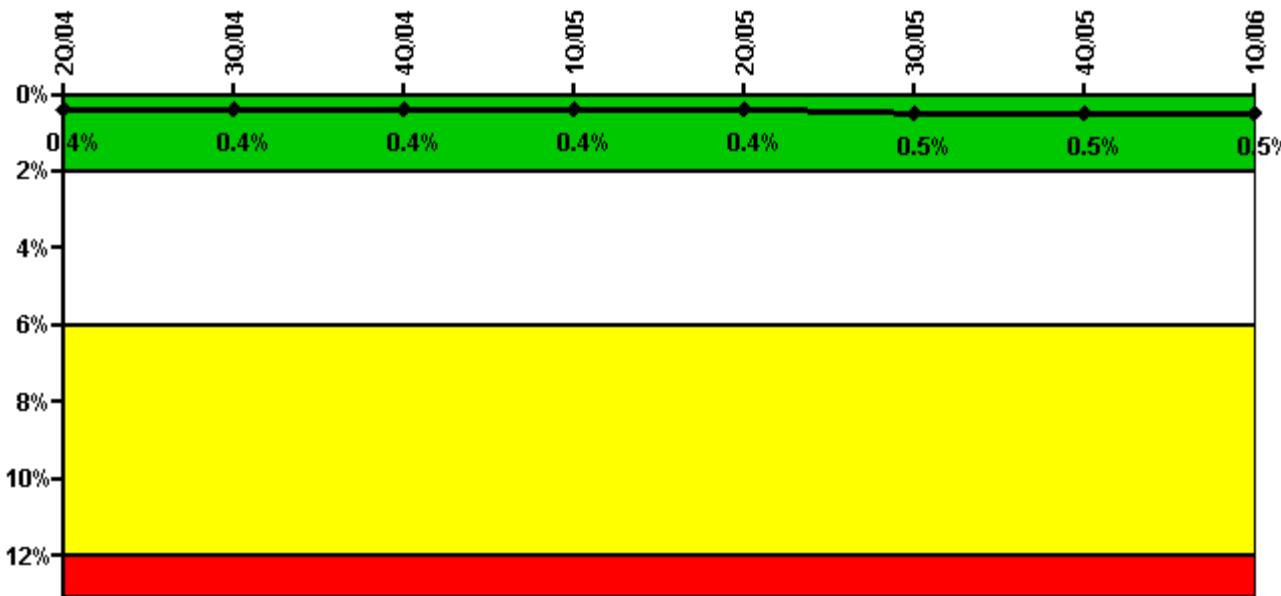
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	1.90	5.60	5.70	2.70	6.40	5.90	2.30	6.80
Unplanned unavailable hours	0	0	0	0	0	0	2.60	0
Fault exposure hours	0	0	0	0	0	0	126.70	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20	2160.00
<b>Train 2</b>								
Planned unavailable hours	51.20	2.20	5.80	5.20	2.70	5.70	1.70	3.10
Unplanned unavailable hours	0	0	0	0	0	0	8.40	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	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20	2160.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

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



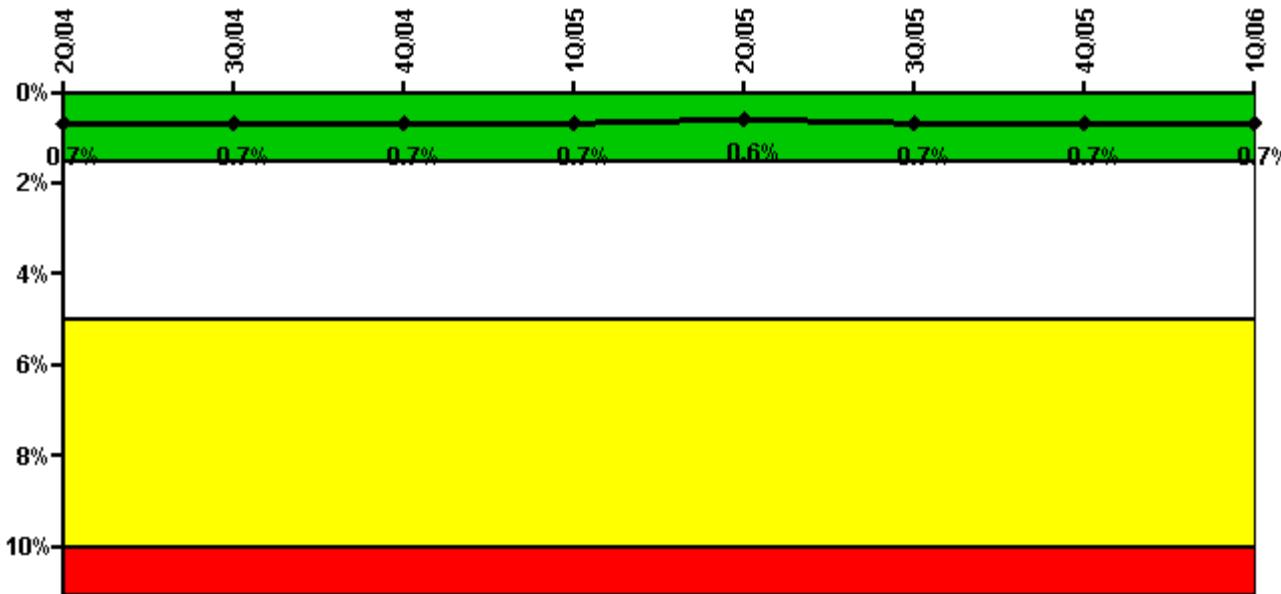
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	1.90	6.00	6.30	4.00	6.80	10.20	2.30	7.40
Unplanned unavailable hours	12.00	0	0	0	0	0	12.10	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	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20	2160.00
<b>Train 2</b>								
Planned unavailable hours	44.00	3.60	6.20	5.80	3.20	7.40	1.50	3.50
Unplanned unavailable hours	0	0	0	0	0	0	8.40	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	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20	2160.00
<b>Train 3</b>								
Planned unavailable hours	10.00	12.90	3.50	2.80	5.40	58.10	11.40	15.30
Unplanned unavailable hours	23.30	0	4.80	0	0	0	0	0
Fault exposure hours	14.30	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1847.83	2208.00	2209.00	2160.00	2183.00	2208.00	1064.20	2160.00
<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>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

Licensee Comments: none

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

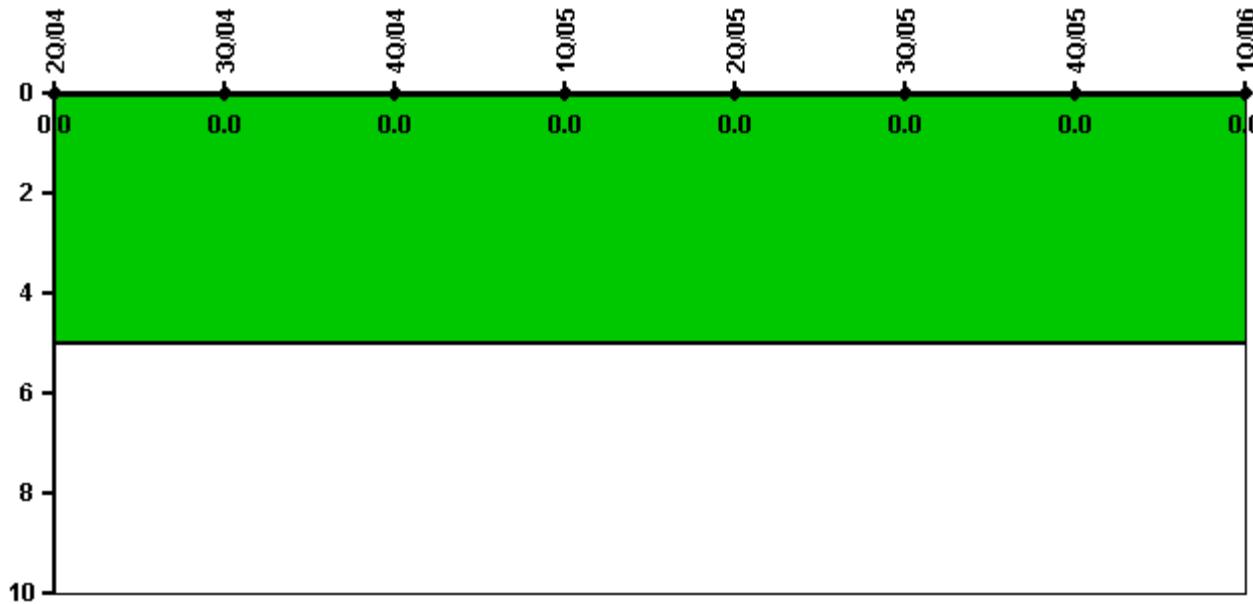


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	2.70	16.60	6.20	15.70	7.30	23.80	18.60	39.40
Unplanned unavailable hours	0	0	0	0	0	3.80	7.10	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	44.20	16.20	7.10	16.90	3.30	14.40	2.50	7.00
Unplanned unavailable hours	0	0	0	0	0	0	8.40	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>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

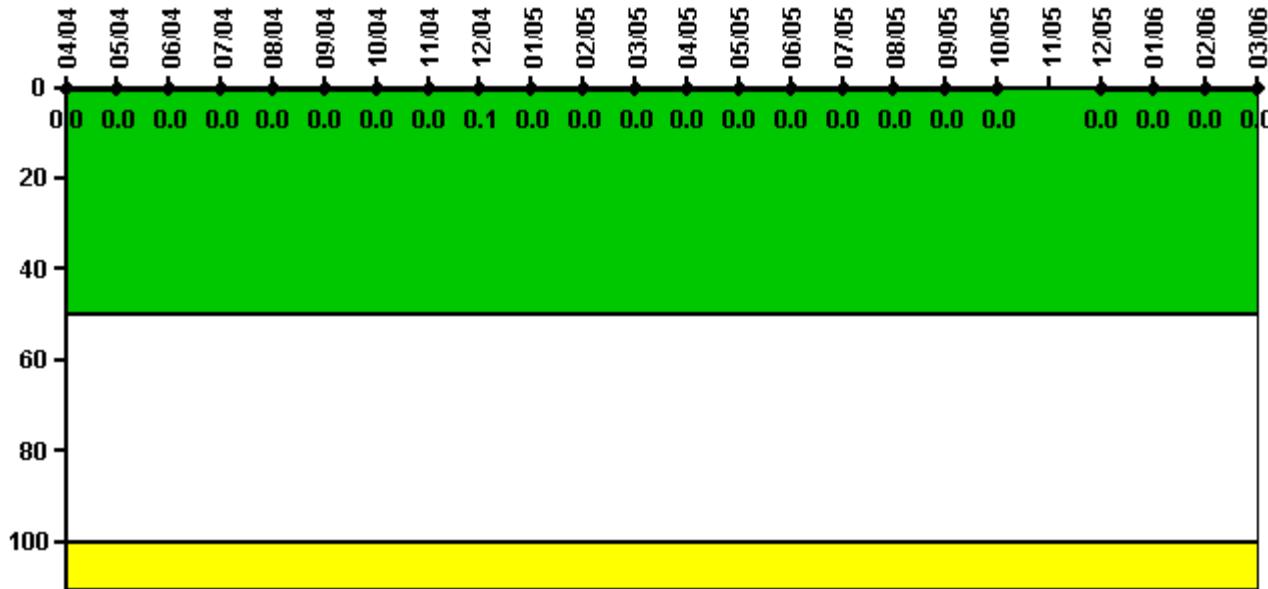
**Notes**

Safety System Functional Failures (PWR)	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	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

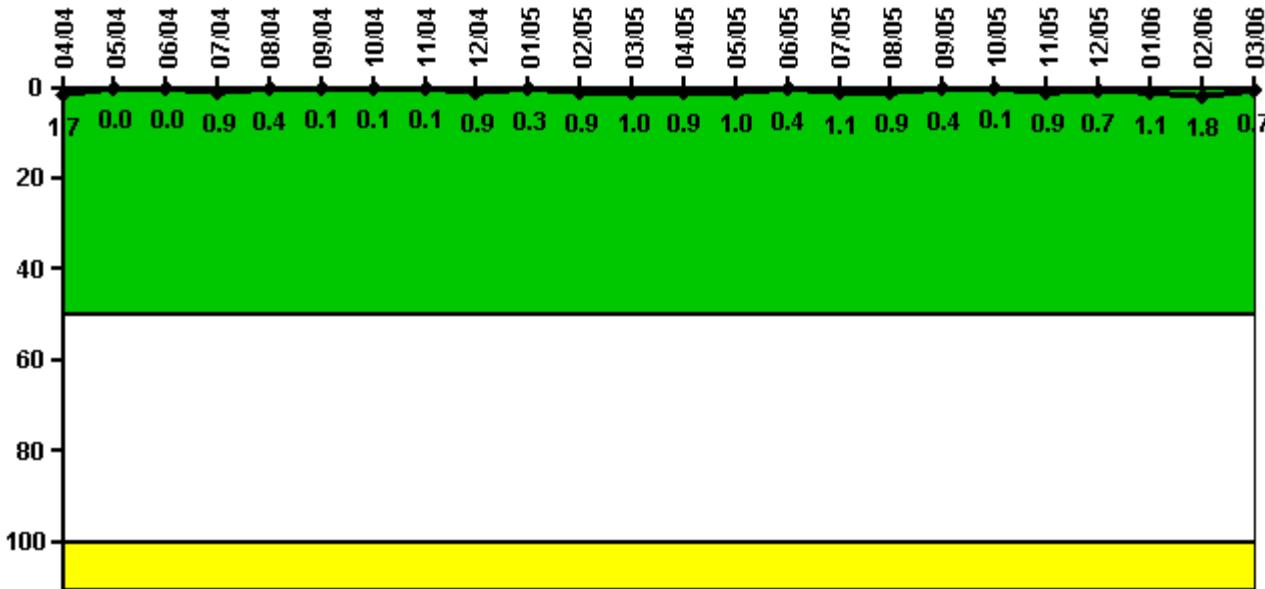
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.000053	0.000052	0.000082	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301	0.000126	0.000131	0.000133
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0.1	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	0.000127	0.000126	0.000124	0.000124	0.000137	0.000136	0.000111	N/A	0.000079	0.000081	0.000086	0.000090
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



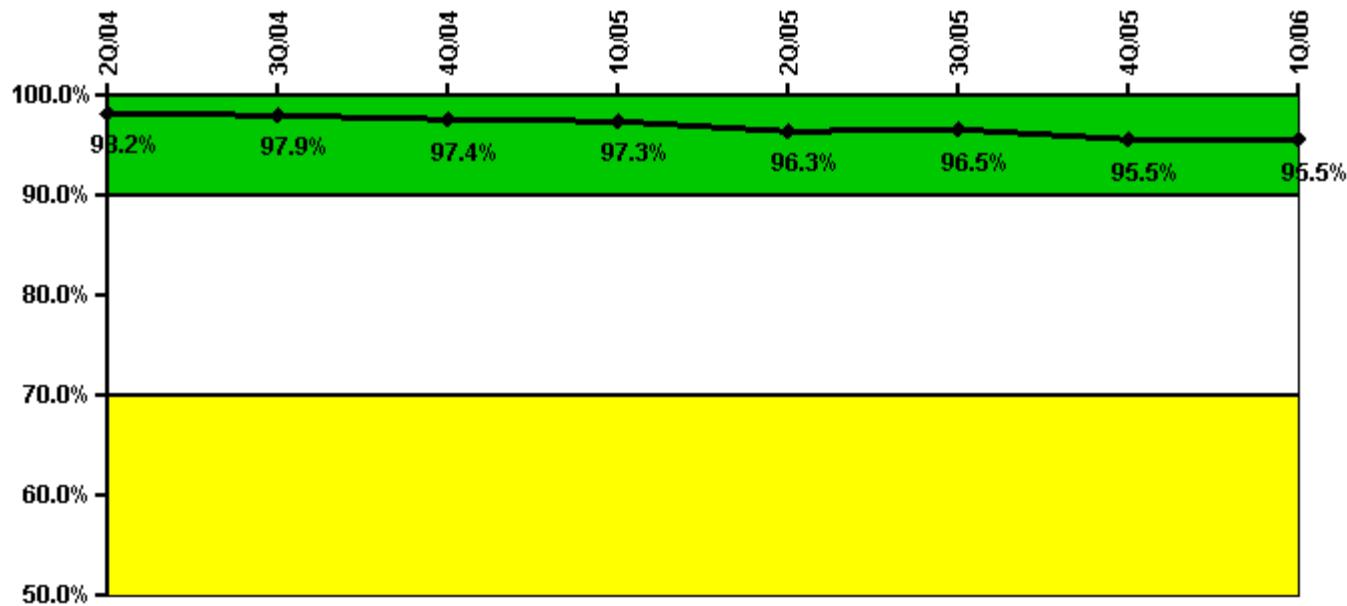
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.165	0	0	0.088	0.044	0.006	0.010	0.010	0.090	0.030	0.090	0.100
Indicator value	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>
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	0.090	0.100	0.040	0.110	0.090	0.040	0.010	0.090	0.070	0.110	0.180	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.9</b>	<b>0.7</b>	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

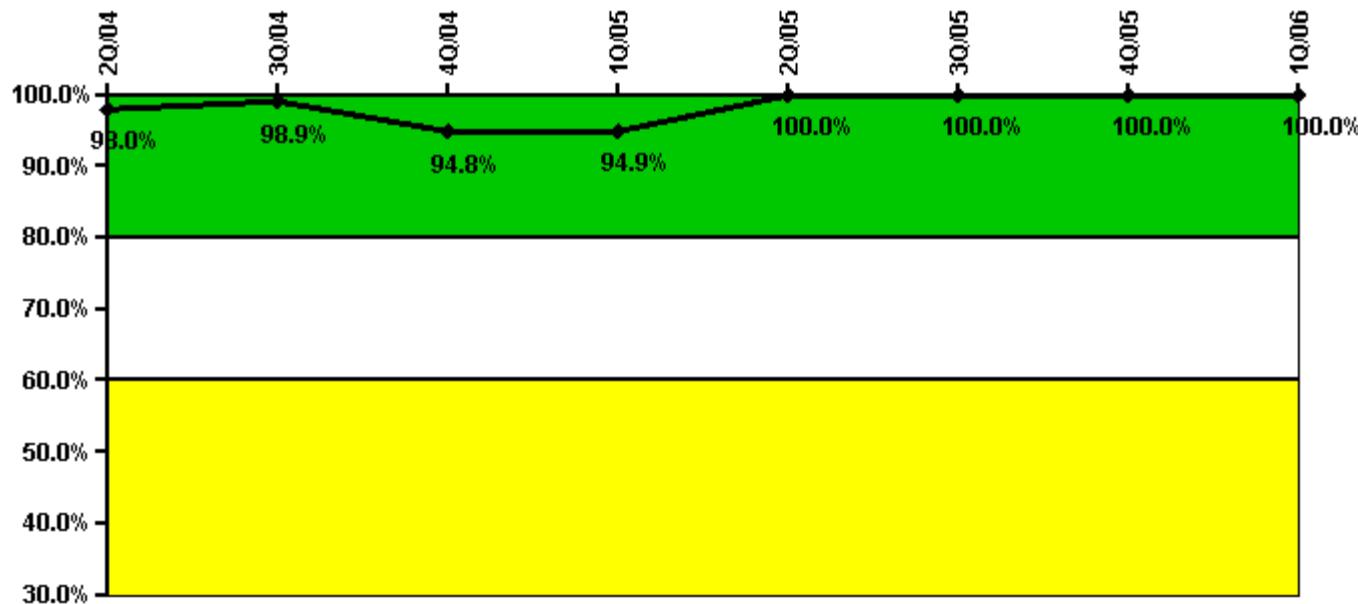
#### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	2.0	71.0	34.0	0	67.0	59.0	2.0	0
Total opportunities	2.0	74.0	36.0	0	72.0	60.0	2.0	0
<b>Indicator value</b>	<b>98.2%</b>	<b>97.9%</b>	<b>97.4%</b>	<b>97.3%</b>	<b>96.3%</b>	<b>96.5%</b>	<b>95.5%</b>	<b>95.5%</b>

Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

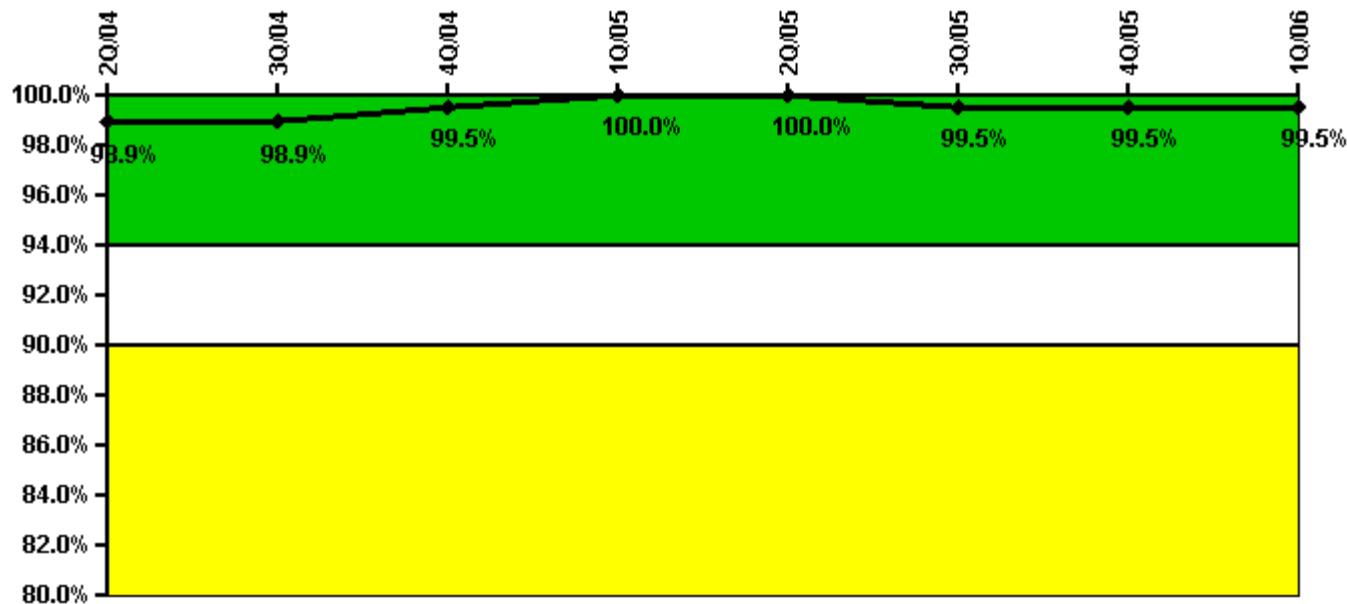
#### Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	97.0	91.0	91.0	93.0	108.0	106.0	102.0	105.0
Total Key personnel	99.0	92.0	96.0	98.0	108.0	106.0	102.0	105.0
Indicator value	<b>98.0%</b>	<b>98.9%</b>	<b>94.8%</b>	<b>94.9%</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



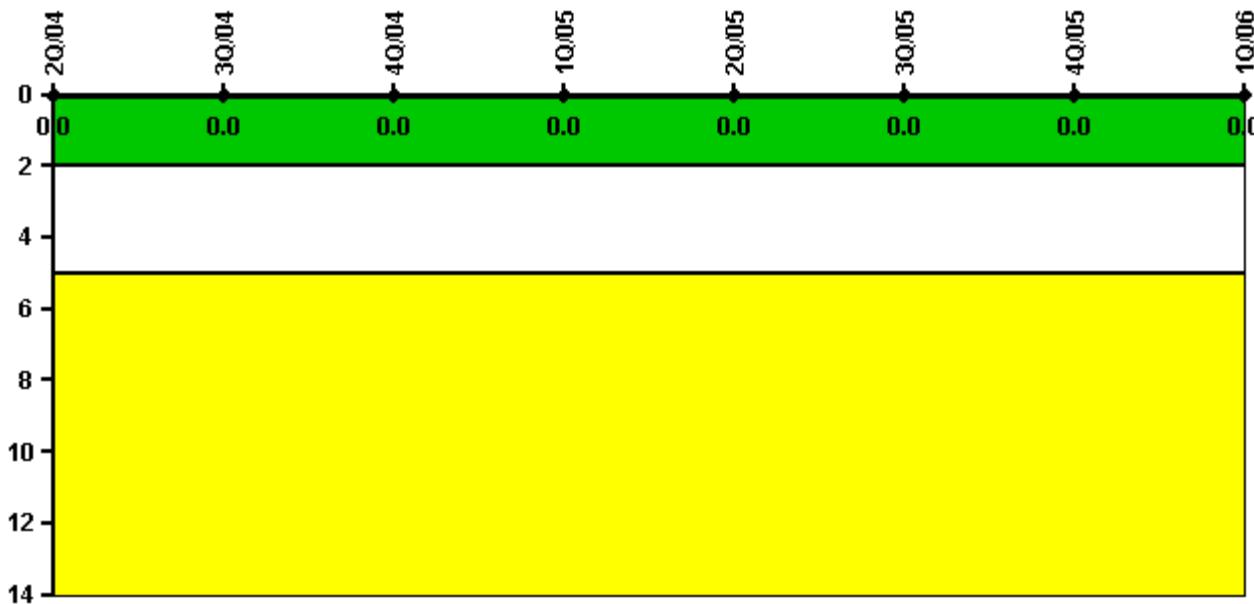
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	45	45	51	48	48	47	48	48
Total sirens-tests	45	45	51	48	48	48	48	48
<b>Indicator value</b>	<b>98.9%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.5%</b>

Licensee Comments: none

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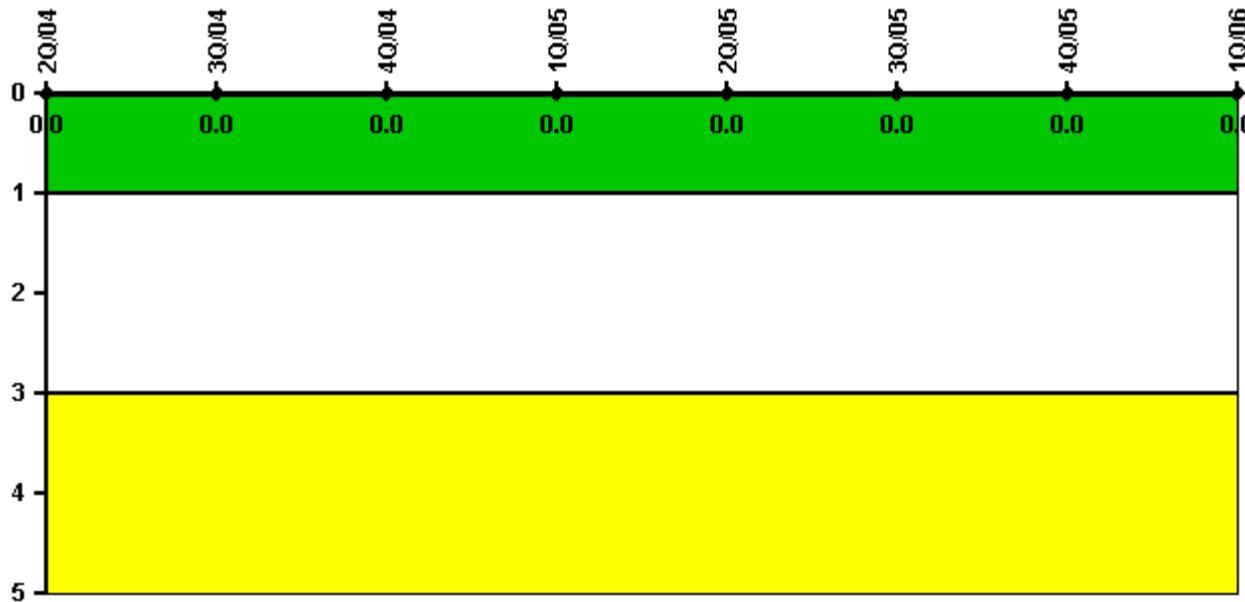
**Occupational Exposure Control Effectiveness**

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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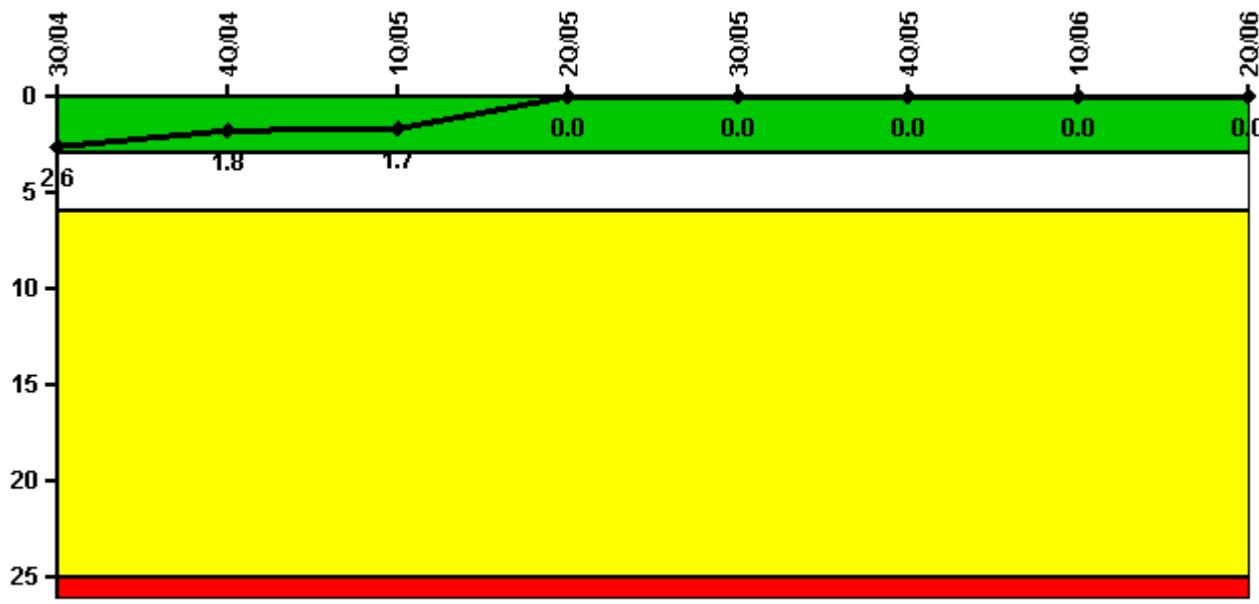


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: May 5, 2006

**Farley 2****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	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0
Indicator value	2.6	1.8	1.7	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

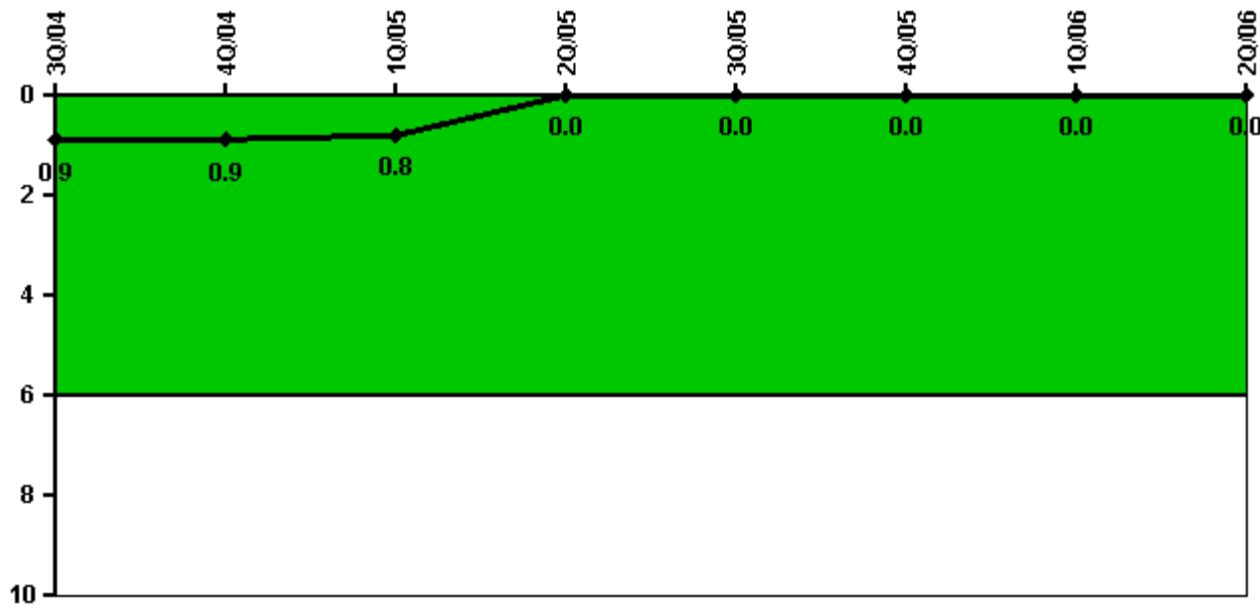
**Notes**

Scrams with Loss of Normal Heat Removal	3Q/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



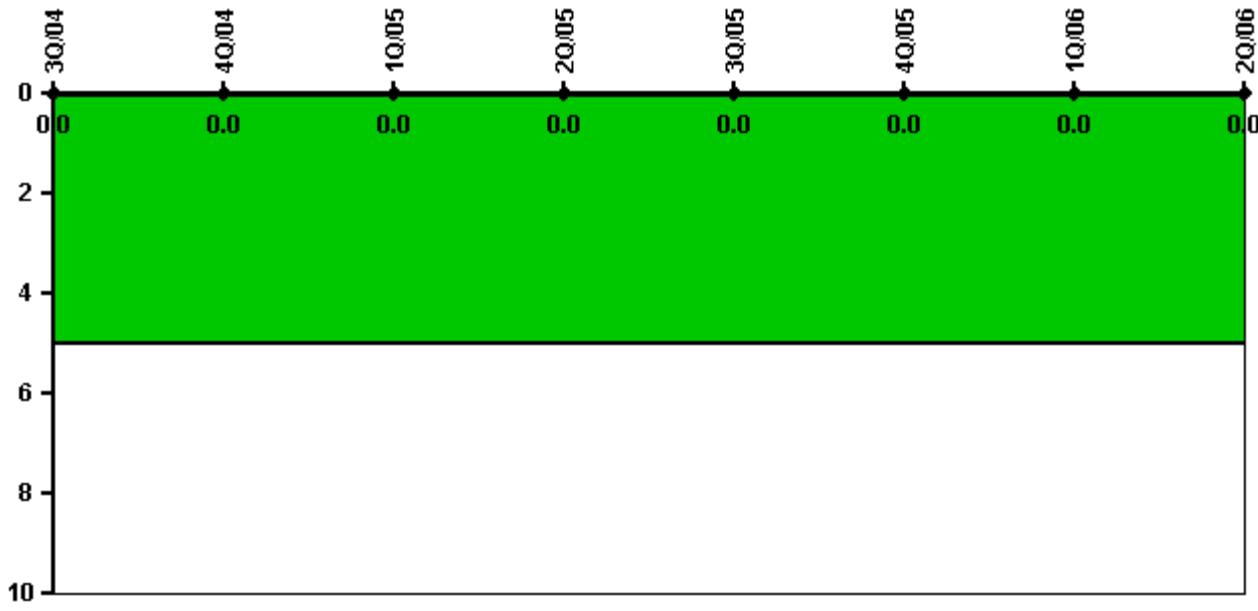
Thresholds: White > 6.0

#### 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	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0
Indicator value	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

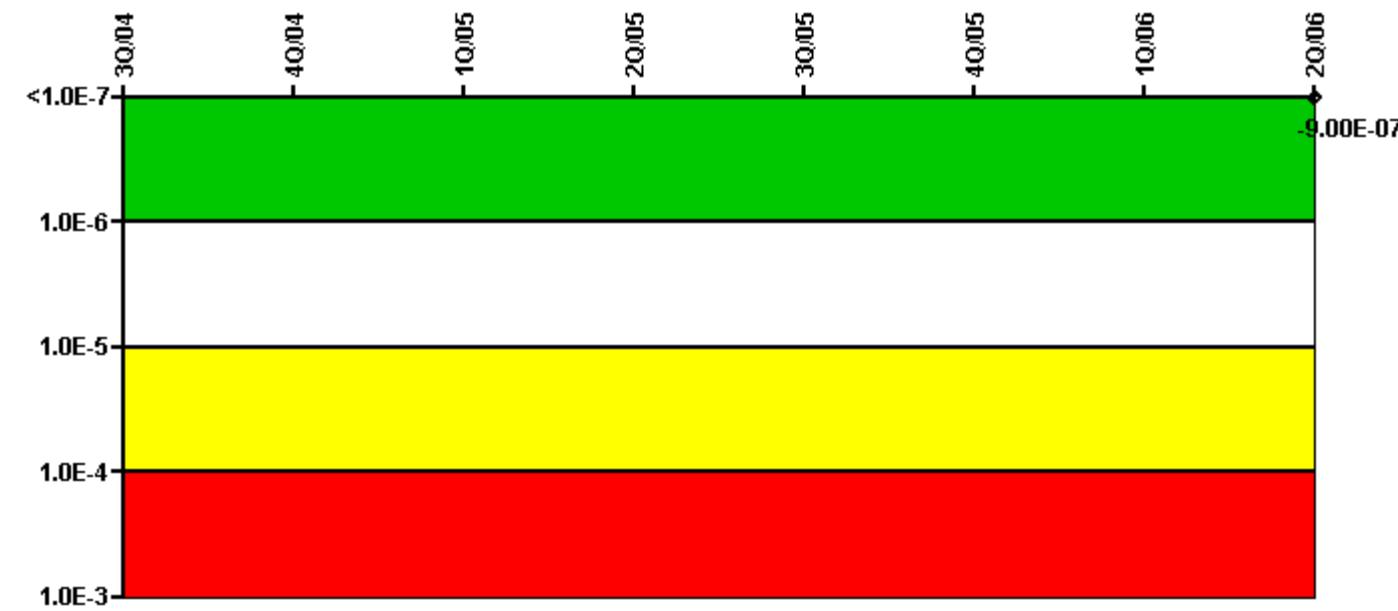
**Notes**

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

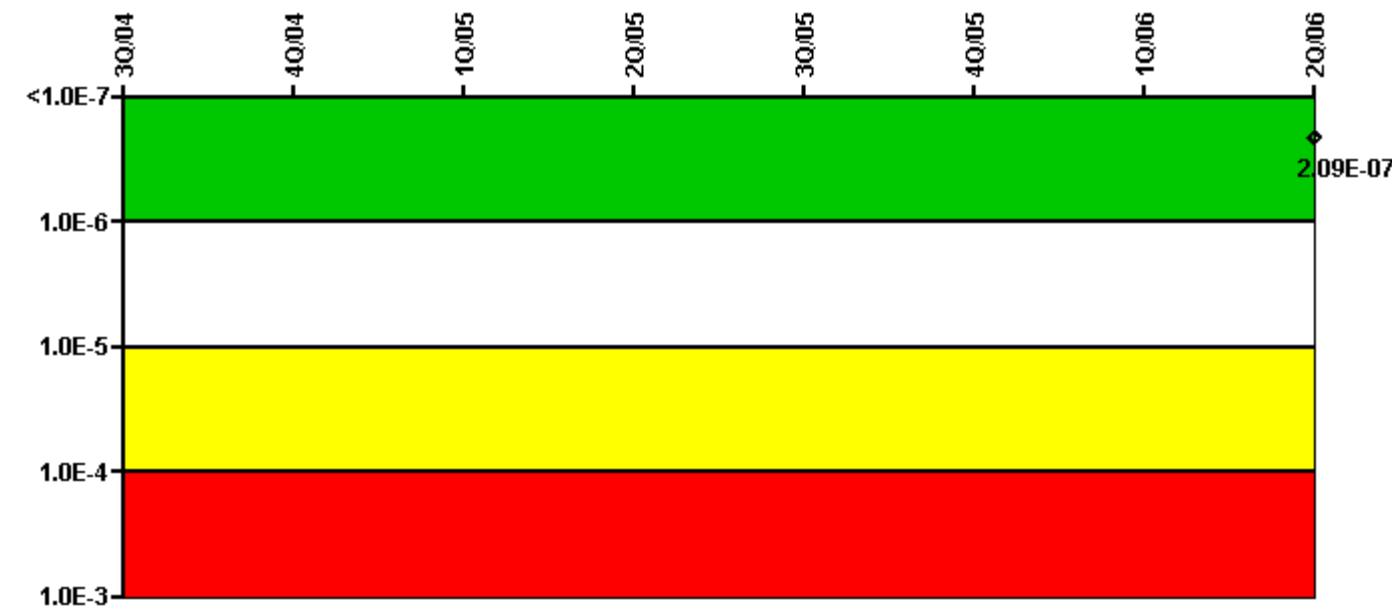
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI ( $\Delta$ CDF)								4.00E-07
URI ( $\Delta$ CDF)								-1.30E-06
PLE								NO
<b>Indicator value</b>								<b>-9.00E-07</b>

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

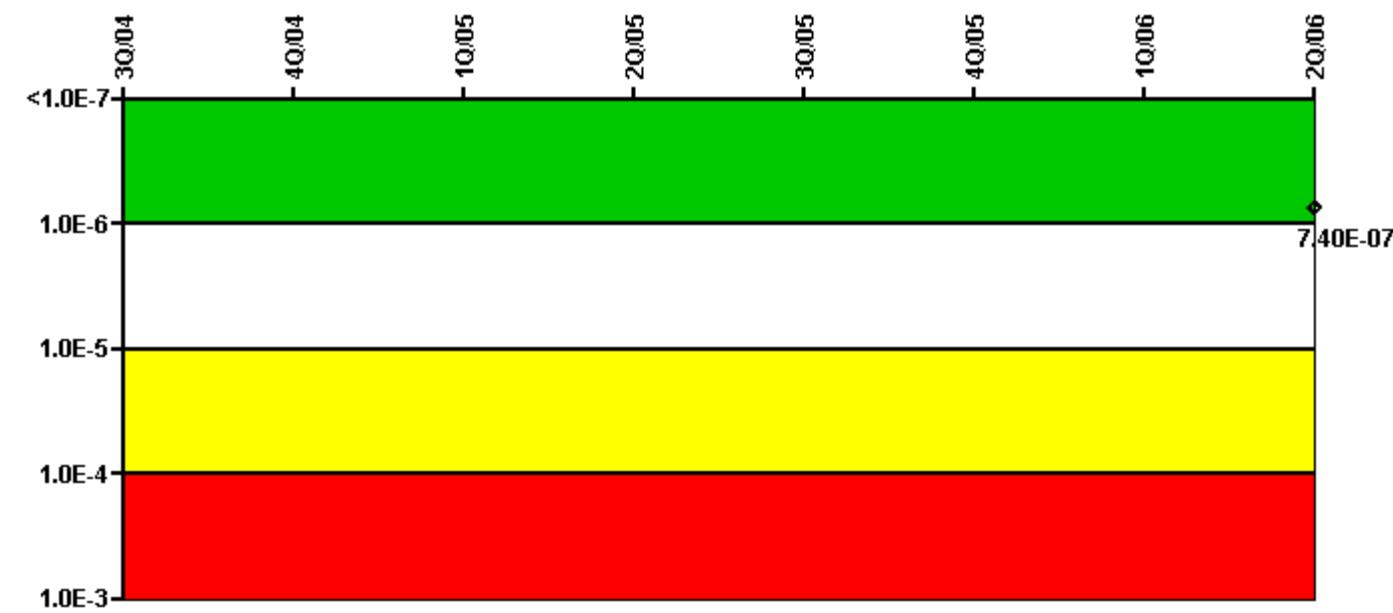
### Notes

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)								-4.10E-08
URI ( $\Delta$ CDF)								2.50E-07
PLE								NO
Indicator value								2.09E-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

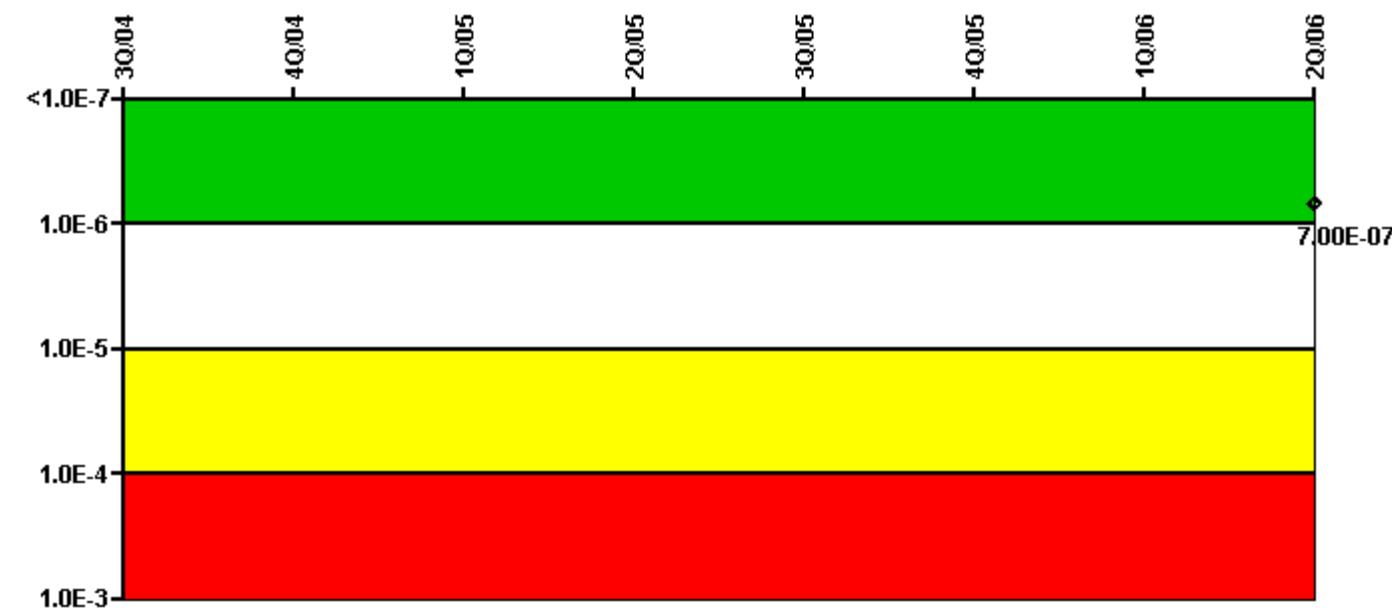
### Notes

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)								2.10E-07
URI ( $\Delta$ CDF)								5.30E-07
PLE								NO
<b>Indicator value</b>								<b>7.40E-07</b>

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)								1.50E-07
URI ( $\Delta$ CDF)								5.50E-07
PLE								NO
Indicator value								7.00E-07

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

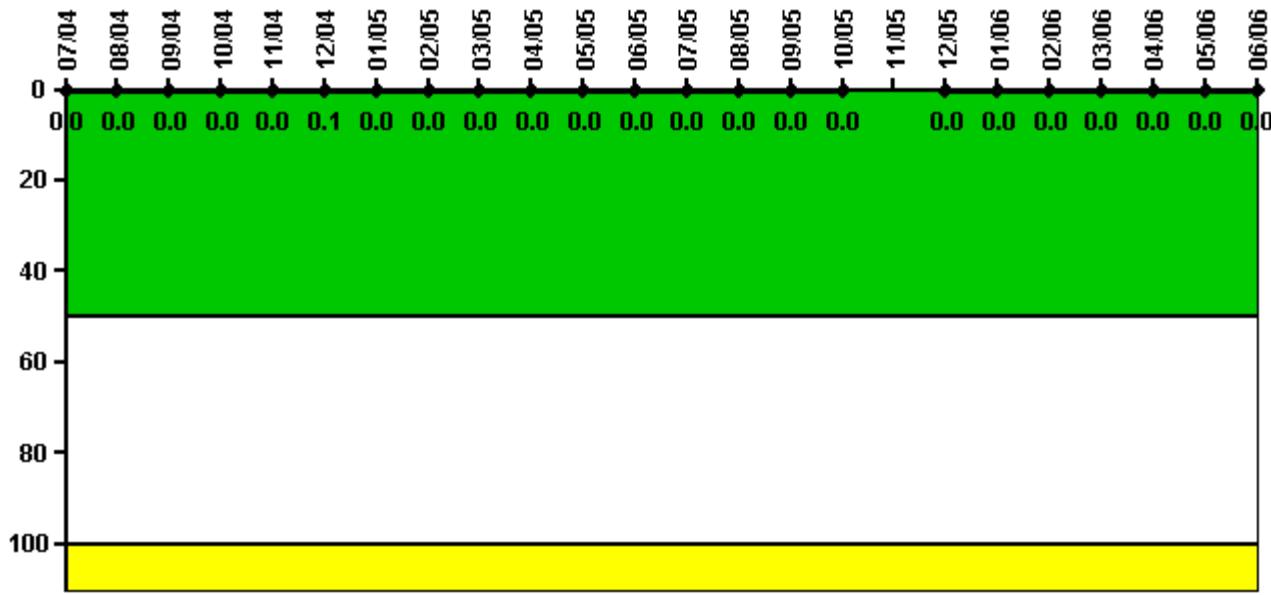
### Notes

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)								1.00E-08
URI ( $\Delta$ CDF)								3.00E-06
PLE								NO
<b>Indicator value</b>								<b>3.01E-06</b>

### Licensee Comments:

2Q/06: Risk Cap Invoked. White threshold exceeded due to combination of PRA model conservatism, plant design, and performance of certain circuit breakers. Indicator may be revised based on clarification of industry guidance.

## Reactor Coolant System Activity



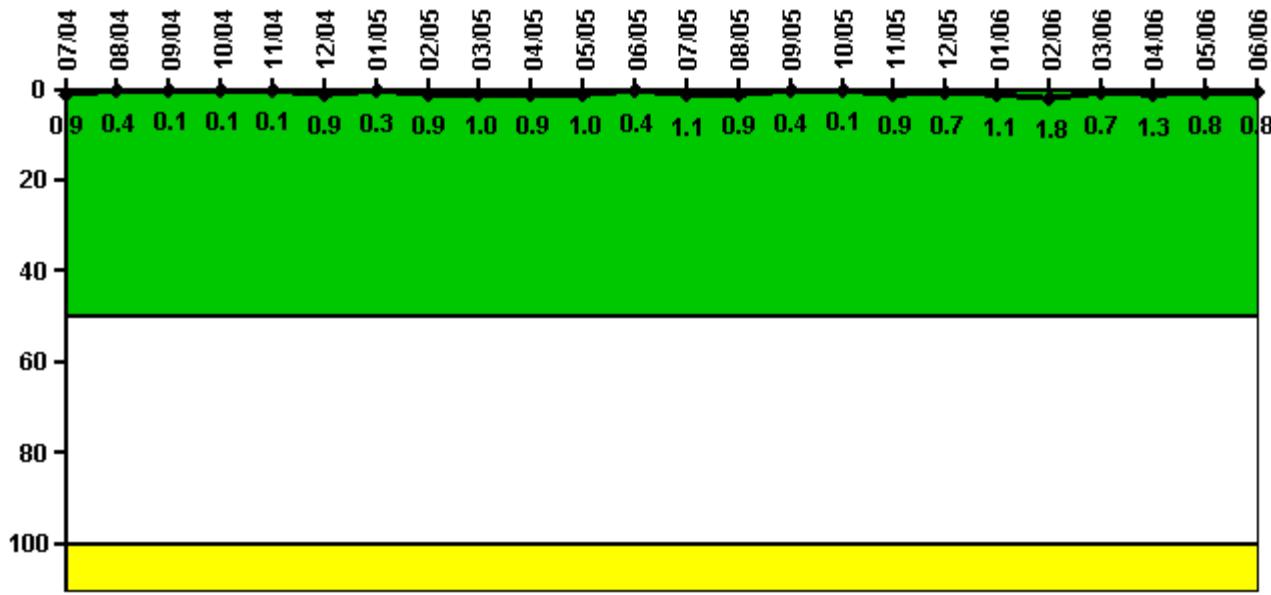
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000066	0.000069	0.000078	0.000087	0.000074	0.000301	0.000126	0.000131	0.000133	0.000127	0.000126	0.000124
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0.1	0	0	0	0	0	0
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	0.000124	0.000137	0.000136	0.000111	N/A	0.000079	0.000081	0.000086	0.000090	0.000099	0.000098	0.000109
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	N/A	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



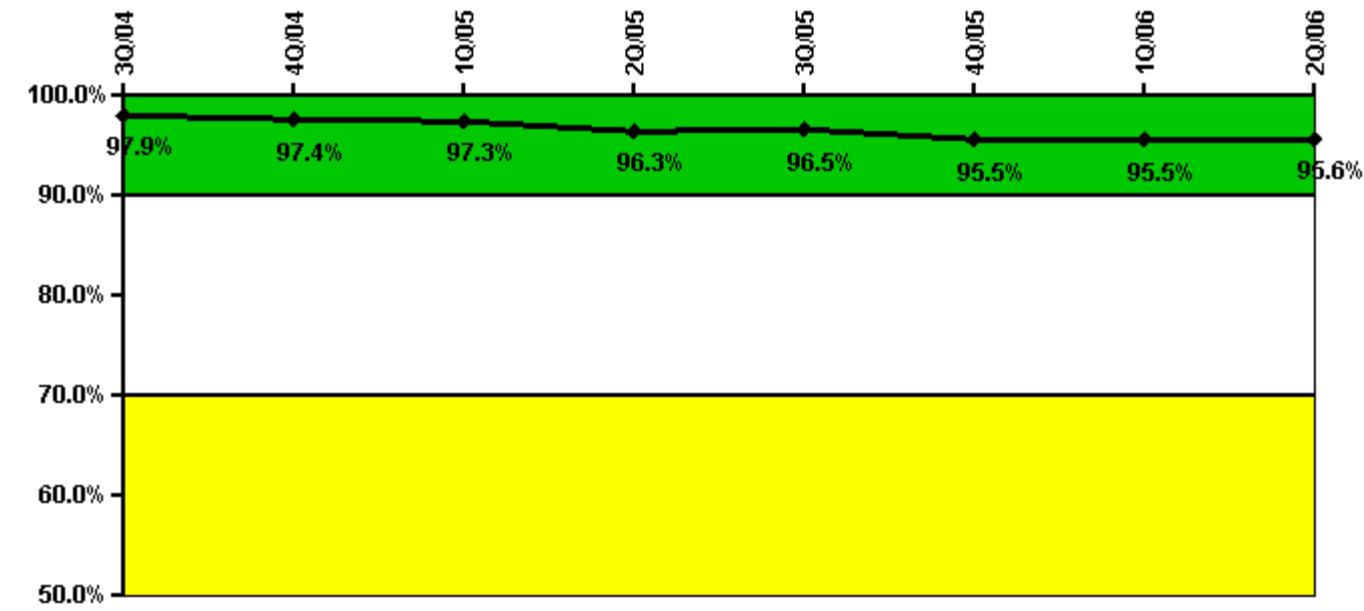
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.088	0.044	0.006	0.010	0.010	0.090	0.030	0.090	0.100	0.090	0.100	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</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	0.110	0.090	0.040	0.010	0.090	0.070	0.110	0.180	0.070	0.130	0.080	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.9</b>	<b>0.7</b>	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>	<b>1.3</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

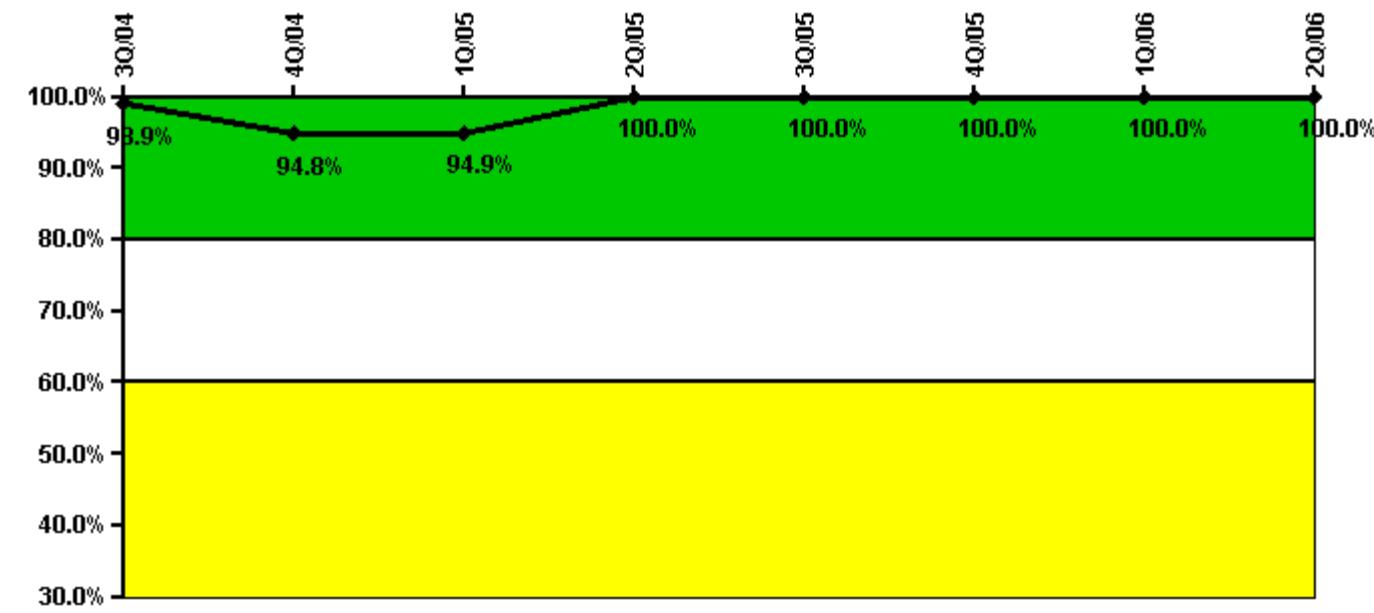
#### Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	71.0	34.0	0	67.0	59.0	2.0	0	6.0
Total opportunities	74.0	36.0	0	72.0	60.0	2.0	0	6.0
Indicator value	97.9%	97.4%	97.3%	96.3%	96.5%	95.5%	95.5%	95.6%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

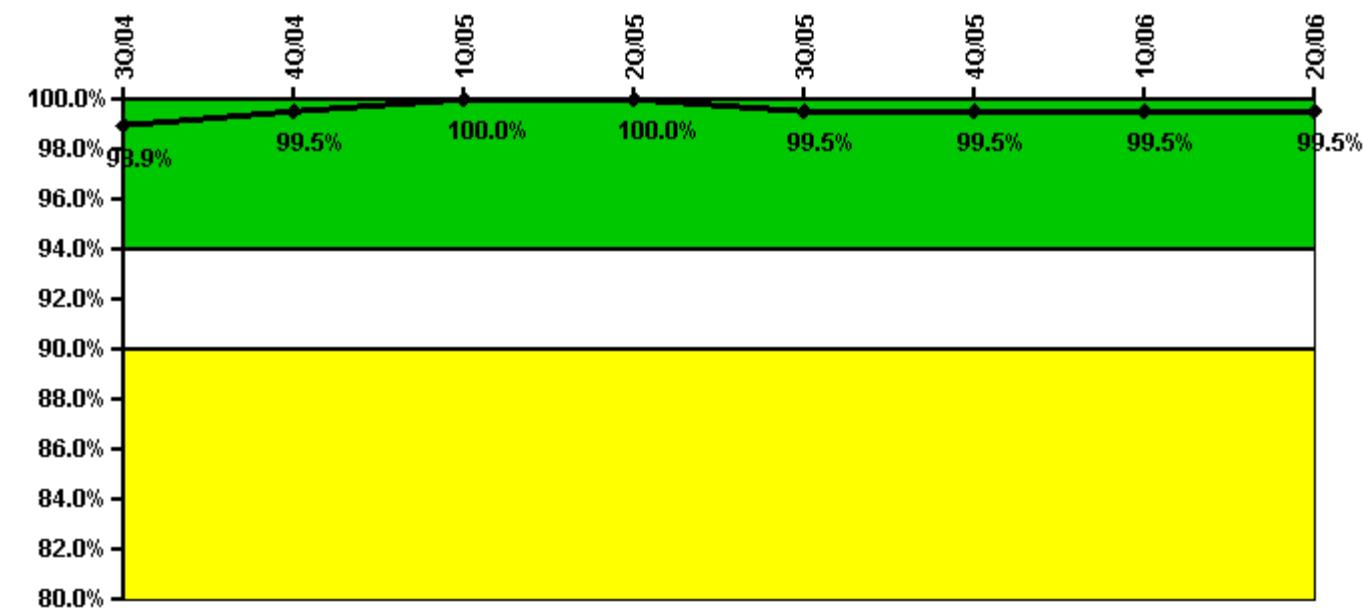
### Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	91.0	91.0	93.0	108.0	106.0	102.0	105.0	106.0
Total Key personnel	92.0	96.0	98.0	108.0	106.0	102.0	105.0	106.0
<b>Indicator value</b>	<b>98.9%</b>	<b>94.8%</b>	<b>94.9%</b>	<b>100.0%</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



Thresholds: White < 94.0% Yellow < 90.0%

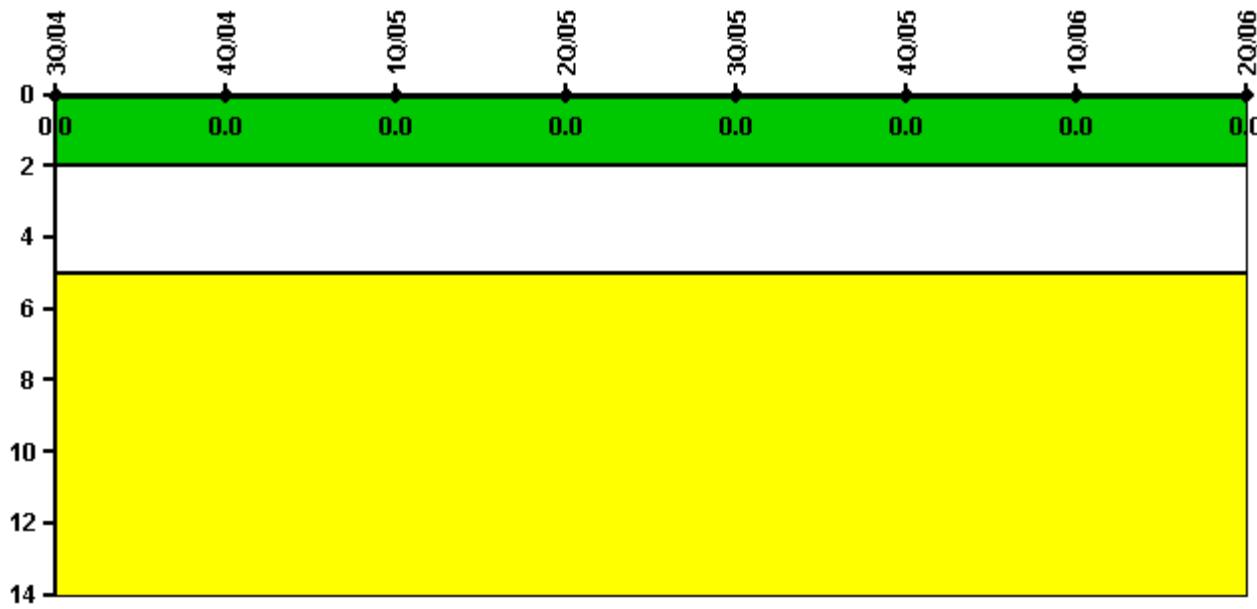
### Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	45	51	48	48	47	48	48	48
Total sirens-tests	45	51	48	48	48	48	48	48
<b>Indicator value</b>	<b>98.9%</b>	<b>99.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.5%</b>

Licensee Comments: none

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### Occupational Exposure Control Effectiveness



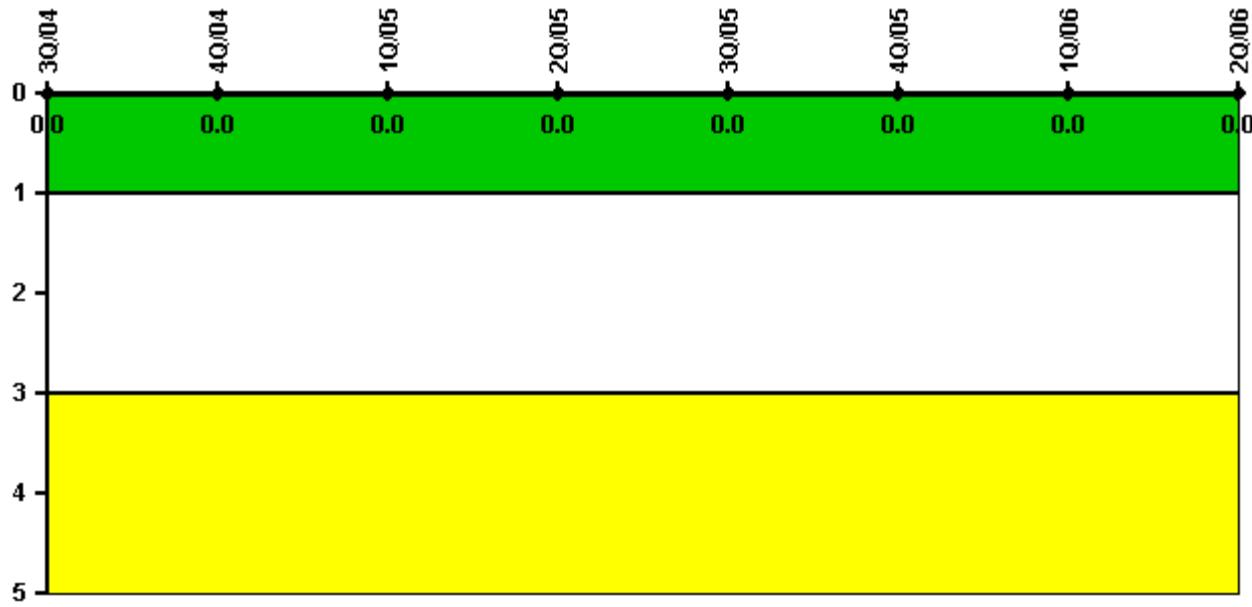
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/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

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**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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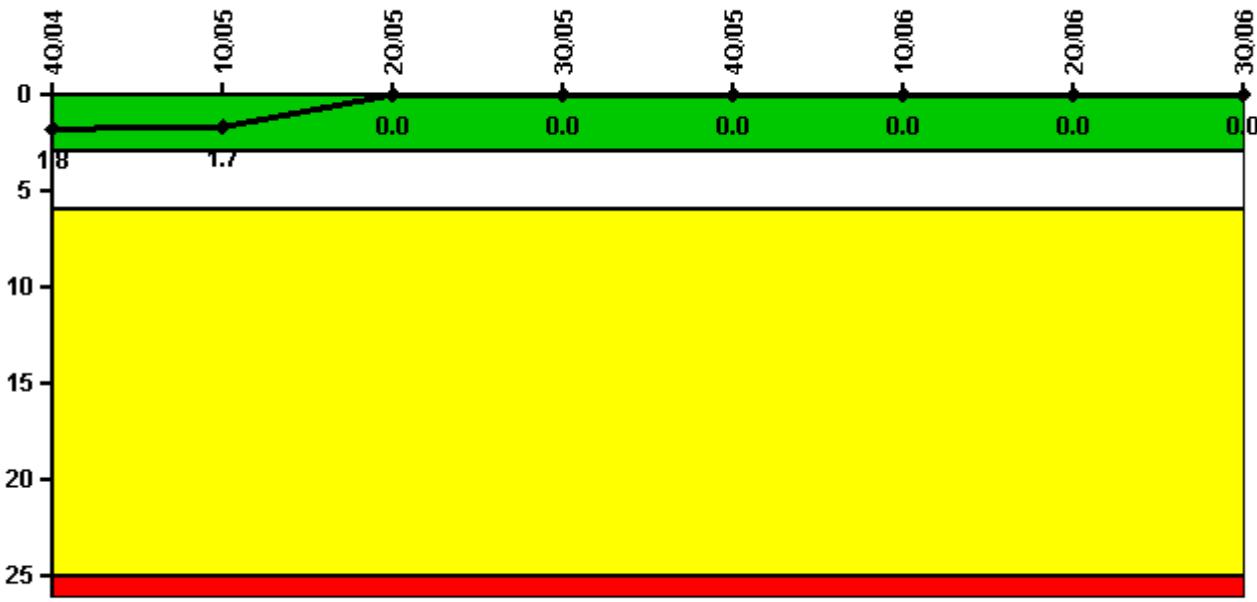


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 2, 2006

**Farley 2****3Q/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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0
<b>Indicator value</b>	<b>1.8</b>	<b>1.7</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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**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

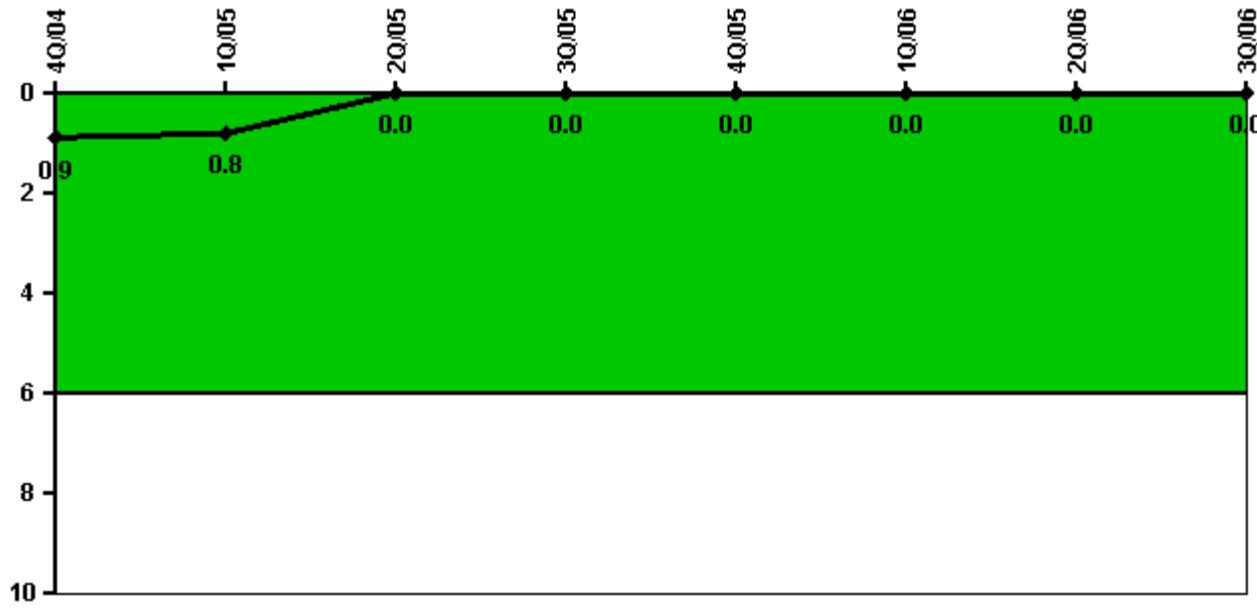
**Notes**

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

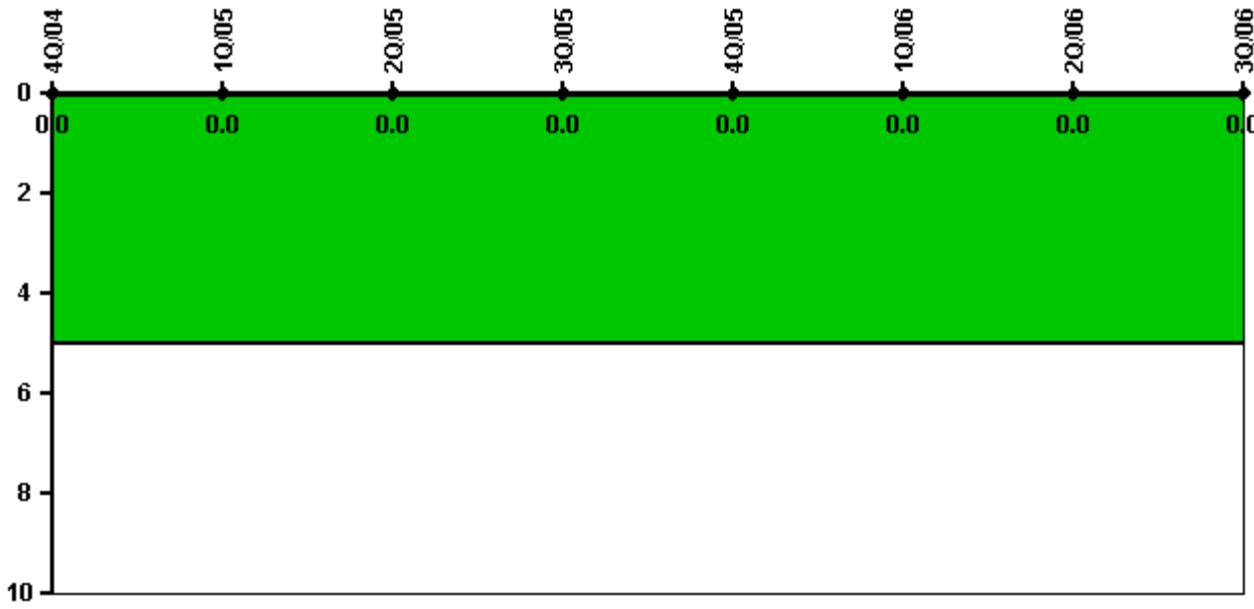


Thresholds: White > 6.0

#### 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	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0
Indicator value	<b>0.9</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

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

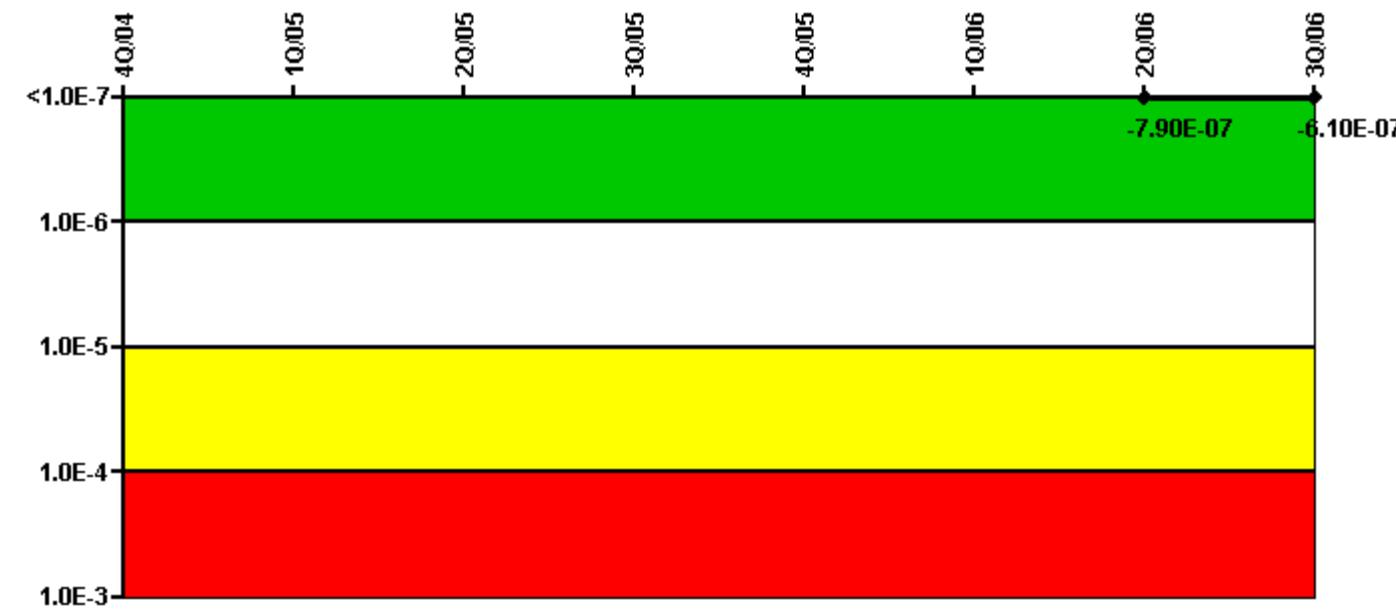
**Notes**

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

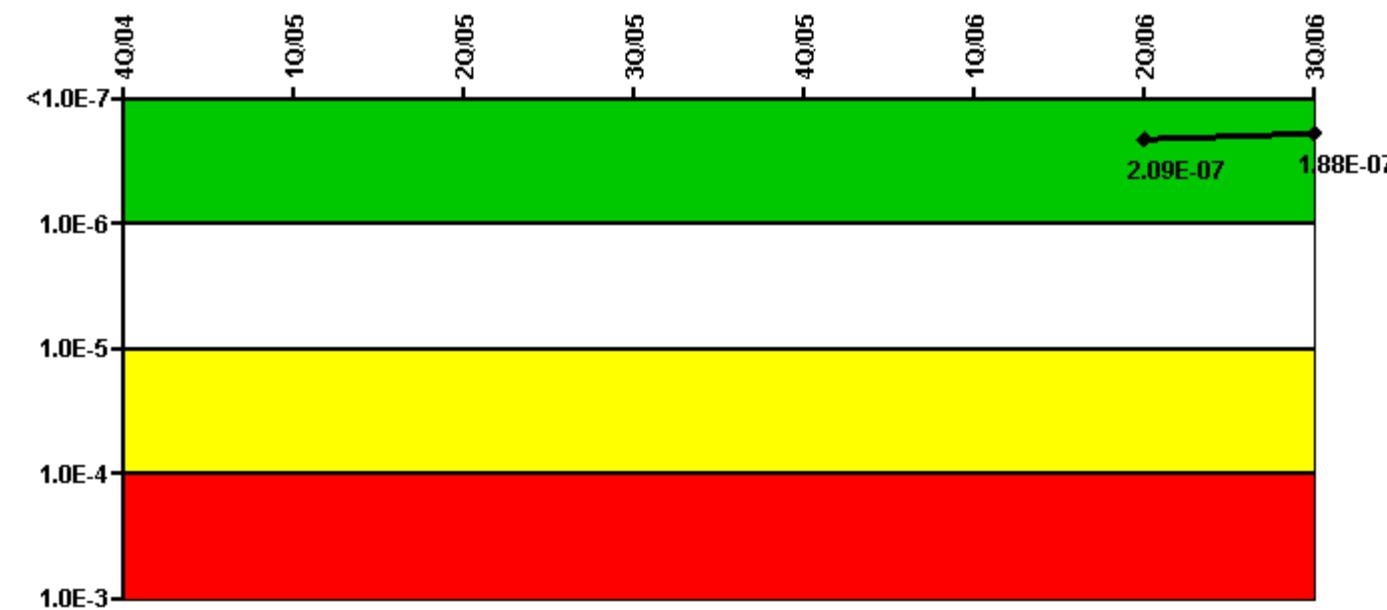
### Notes

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 ( $\Delta$ CDF)							5.10E-07	2.00E-07
URI ( $\Delta$ CDF)							-1.30E-06	-8.10E-07
PLE							NO	NO
<b>Indicator value</b>							<b>-7.90E-07</b>	<b>-6.10E-07</b>

### Licensee Comments:

3Q/06: Corrected data for February 2006 overhaul of Train C EDG which had been inadvertently omitted during the transition to new reporting requirements. Color unaffected.

## Mitigating Systems Performance Index, High Pressure Injection System



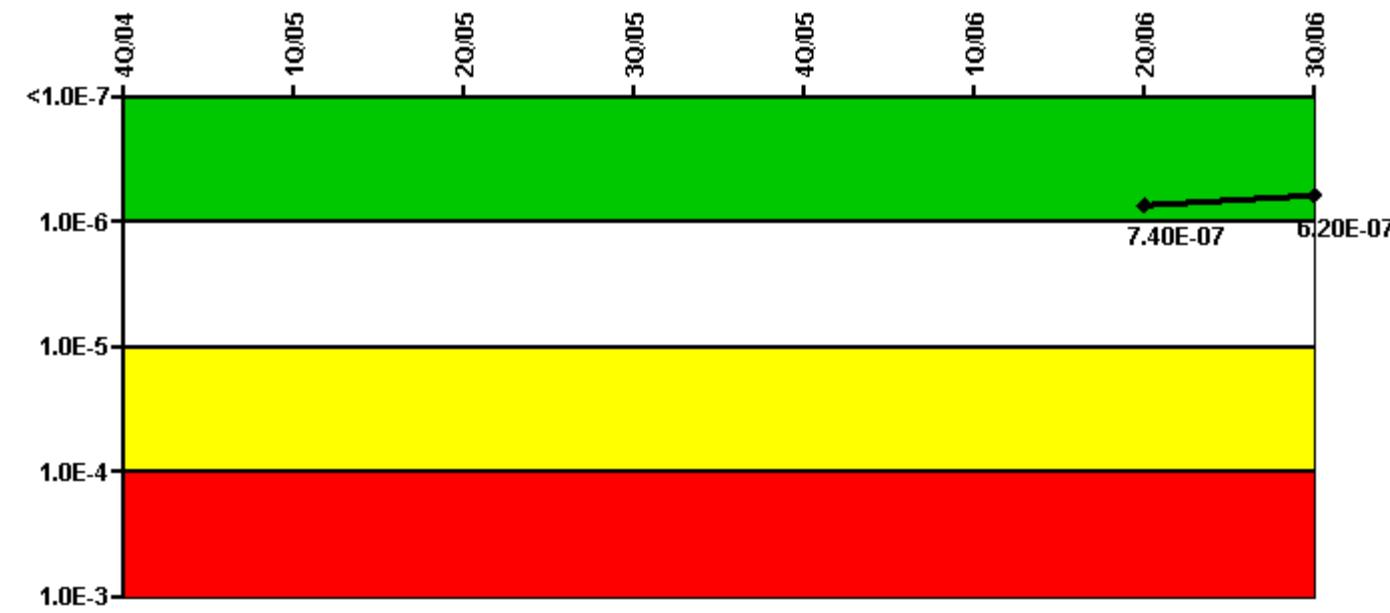
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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 (ΔCDF)							-4.10E-08	-2.20E-08
URI (ΔCDF)							2.50E-07	2.10E-07
PLE							NO	NO
Indicator value							2.09E-07	1.88E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



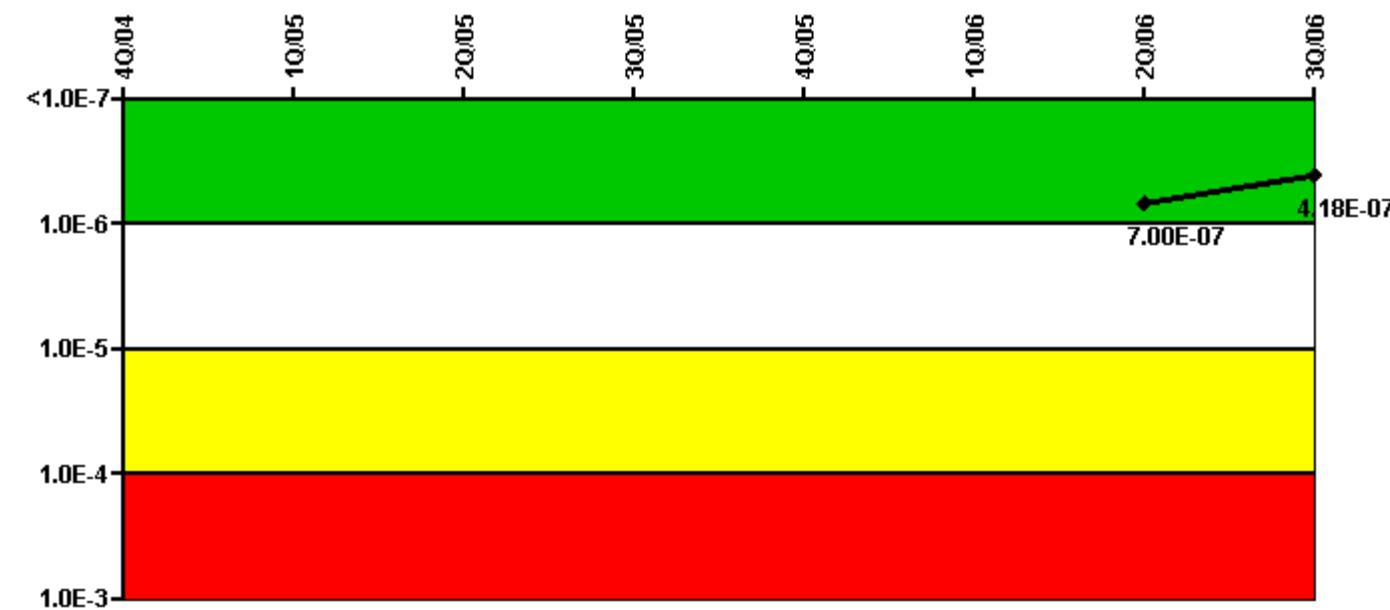
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)							2.10E-07	1.60E-07
URI (ΔCDF)							5.30E-07	4.60E-07
PLE							NO	NO
Indicator value							7.40E-07	6.20E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



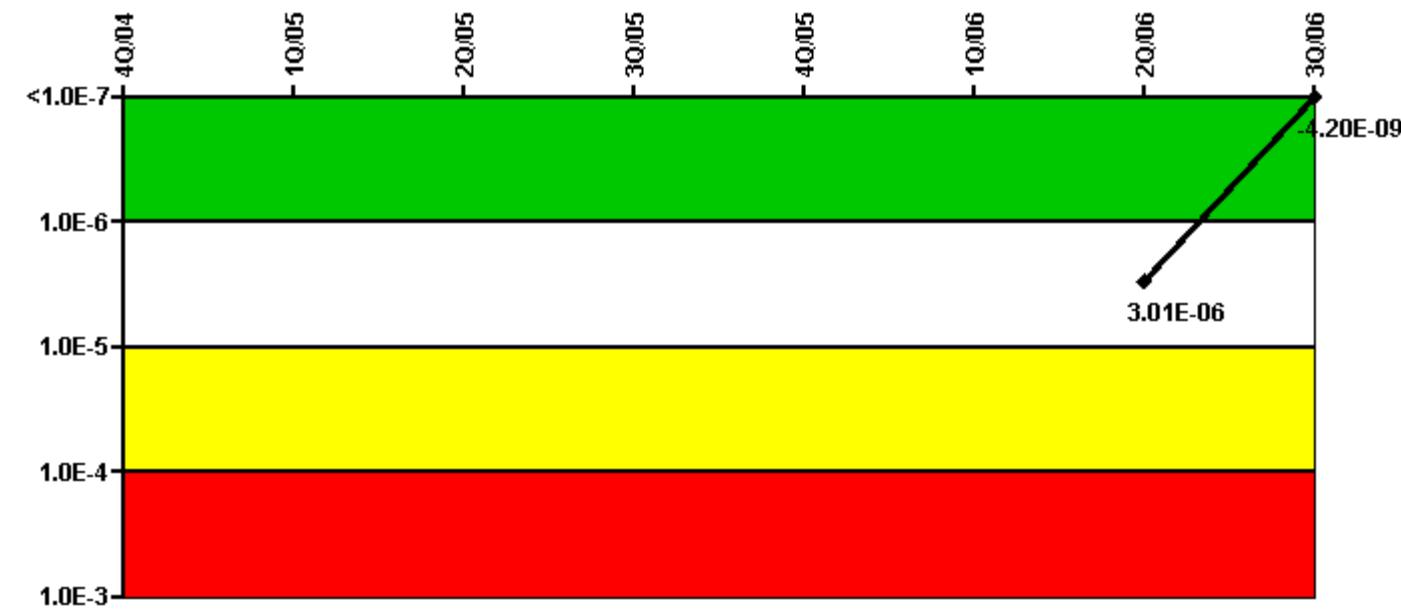
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							1.50E-07	8.10E-09
URI ( $\Delta$ CDF)							5.50E-07	4.10E-07
PLE							NO	NO
<b>Indicator value</b>							<b>7.00E-07</b>	<b>4.18E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



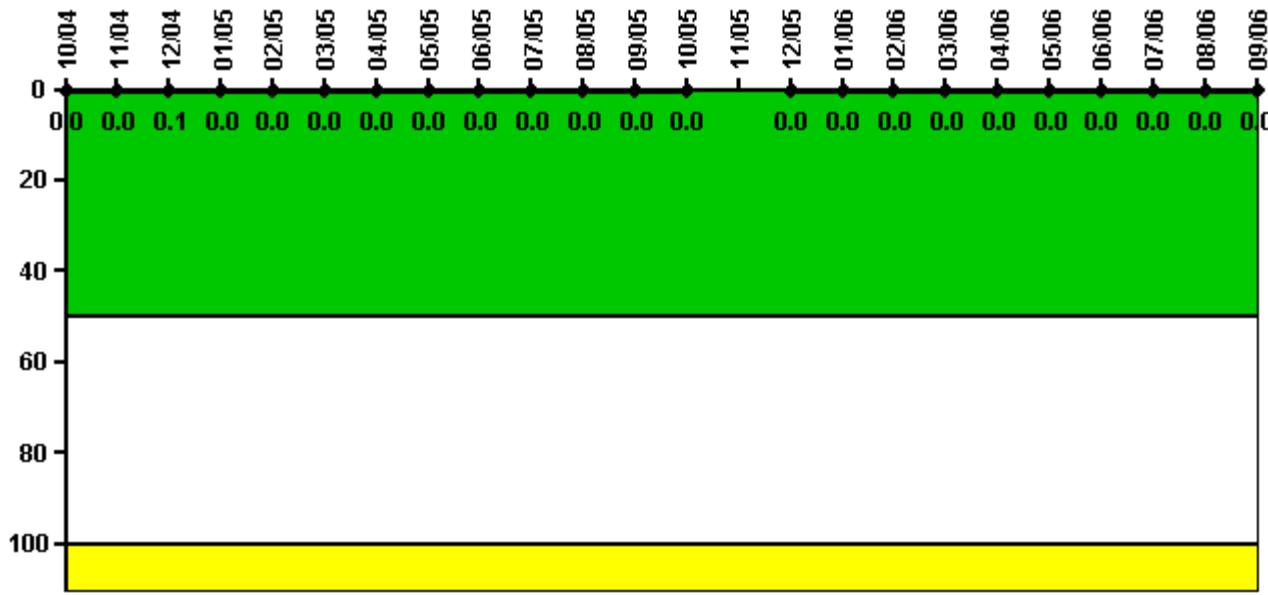
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI ( $\Delta$ CDF)							1.00E-08	-2.70E-09
URI ( $\Delta$ CDF)							3.00E-06	-1.50E-09
PLE							NO	NO
<b>Indicator value</b>							<b>3.01E-06</b>	<b>-4.20E-09</b>

Licensee Comments: none

## Reactor Coolant System Activity



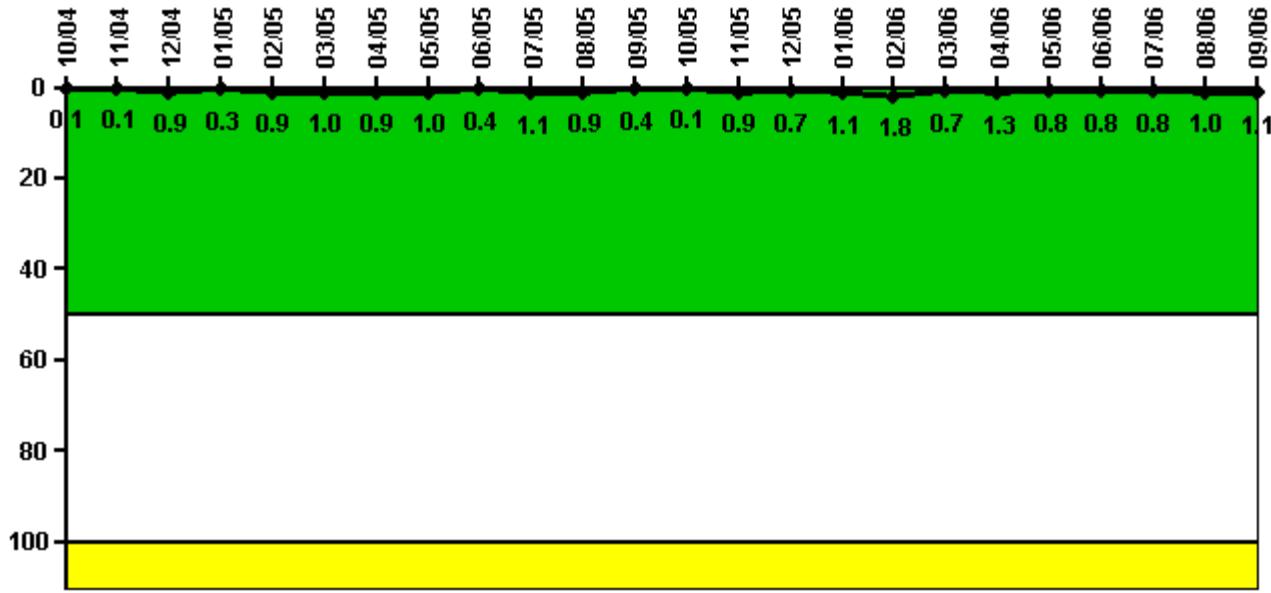
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.0000087	0.0000074	0.000301	0.000126	0.000131	0.000133	0.000127	0.000126	0.000124	0.000124	0.000137	0.000136
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0.1	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	0.000111	N/A	0.000079	0.000081	0.000086	0.000090	0.000099	0.000098	0.000109	0.000093	0.000109	0.000102
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	N/A	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



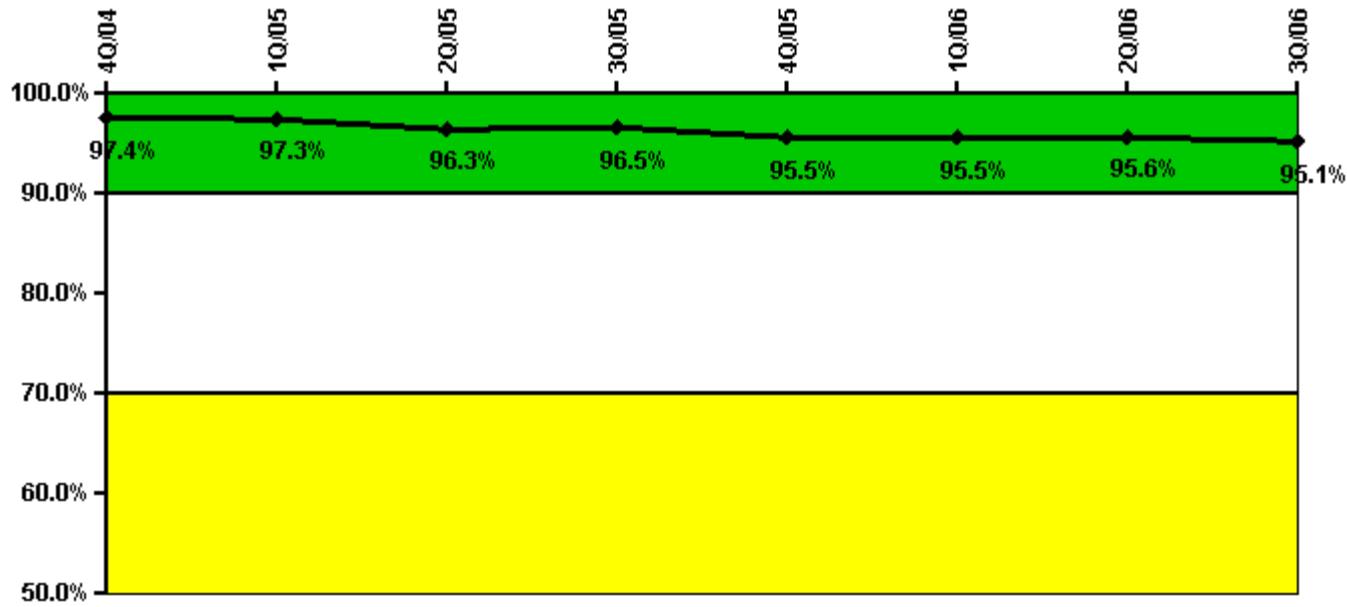
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.010	0.010	0.090	0.030	0.090	0.100	0.090	0.100	0.040	0.110	0.090	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>
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	0.010	0.090	0.070	0.110	0.180	0.070	0.130	0.080	0.080	0.080	0.100	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.9</b>	<b>0.7</b>	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>	<b>1.3</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>1.1</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

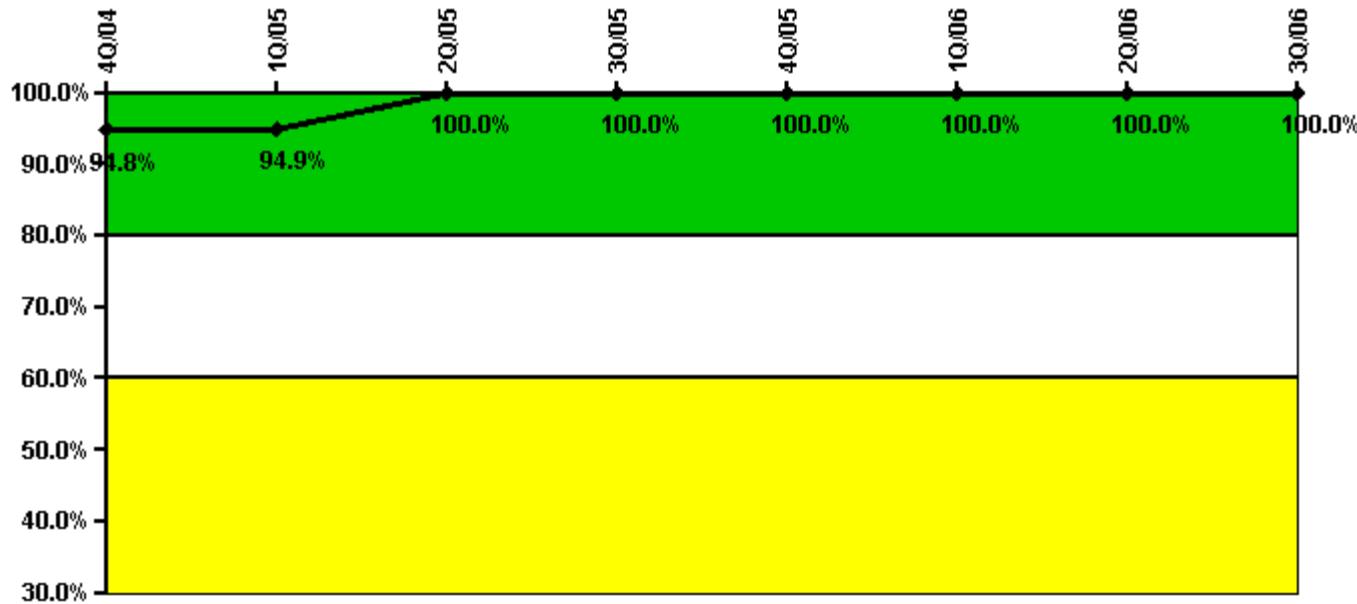
#### Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	34.0	0	67.0	59.0	2.0	0	6.0	65.0
Total opportunities	36.0	0	72.0	60.0	2.0	0	6.0	69.0
Indicator value	97.4%	97.3%	96.3%	96.5%	95.5%	95.5%	95.6%	95.1%

Licensee Comments: none

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## ERO Drill Participation

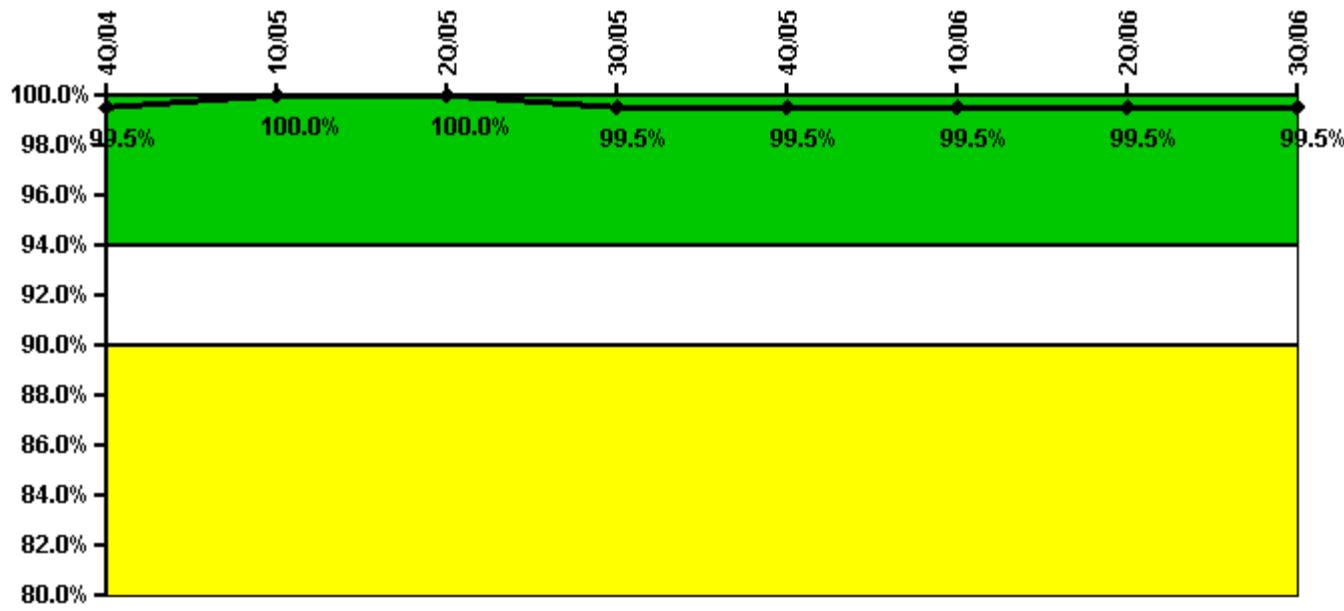


### Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	91.0	93.0	108.0	106.0	102.0	105.0	106.0	104.0
Total Key personnel	96.0	98.0	108.0	106.0	102.0	105.0	106.0	104.0
Indicator value	94.8%	94.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

## Alert & Notification System



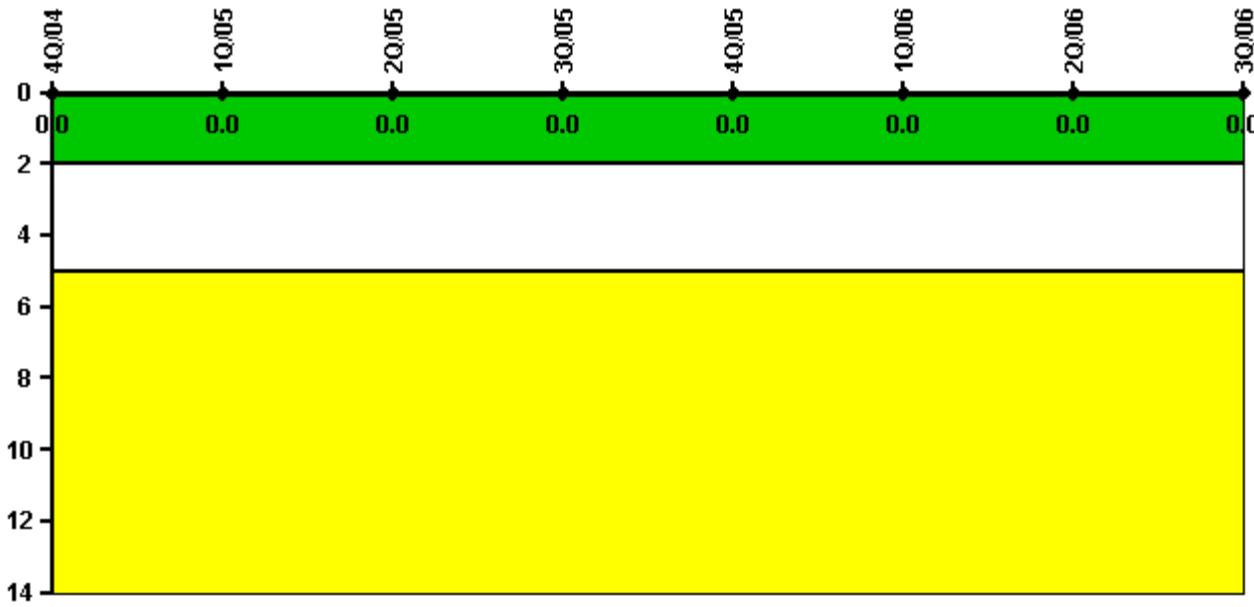
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	51	48	48	47	48	48	48	44
Total sirens-tests	51	48	48	48	48	48	48	45
Indicator value	99.5%	100.0%	100.0%	99.5%	99.5%	99.5%	99.5%	99.5%

Licensee Comments: none

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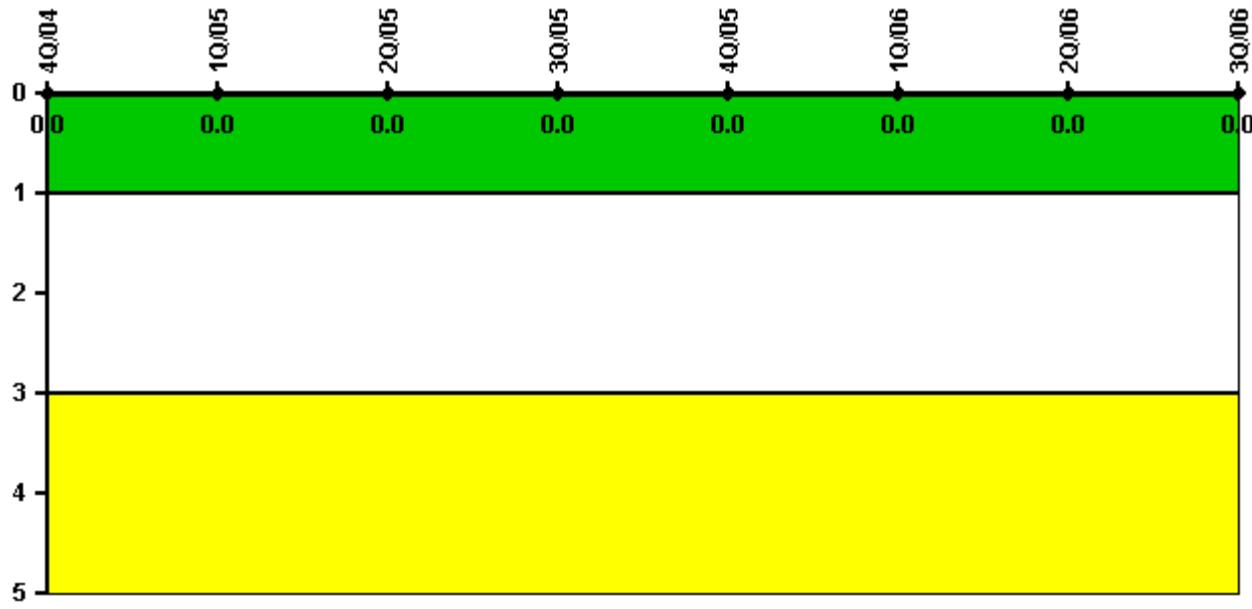
**Occupational Exposure Control Effectiveness**

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

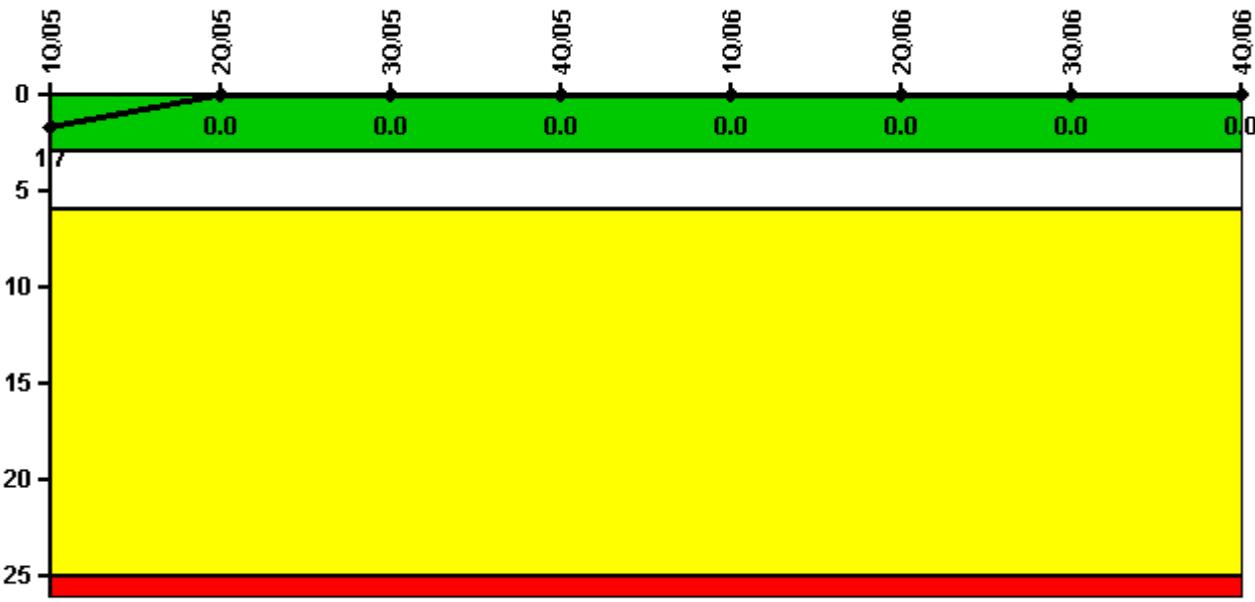
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[Physical Protection](#) information not publicly available.

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**Farley 2****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**

<b>Unplanned Scrams per 7000 Critical Hrs</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>
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0
<b>Indicator value</b>	<b>1.7</b>	<b>0</b>						

Licensee Comments: none

**Scrams with Loss of Normal Heat Removal**

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

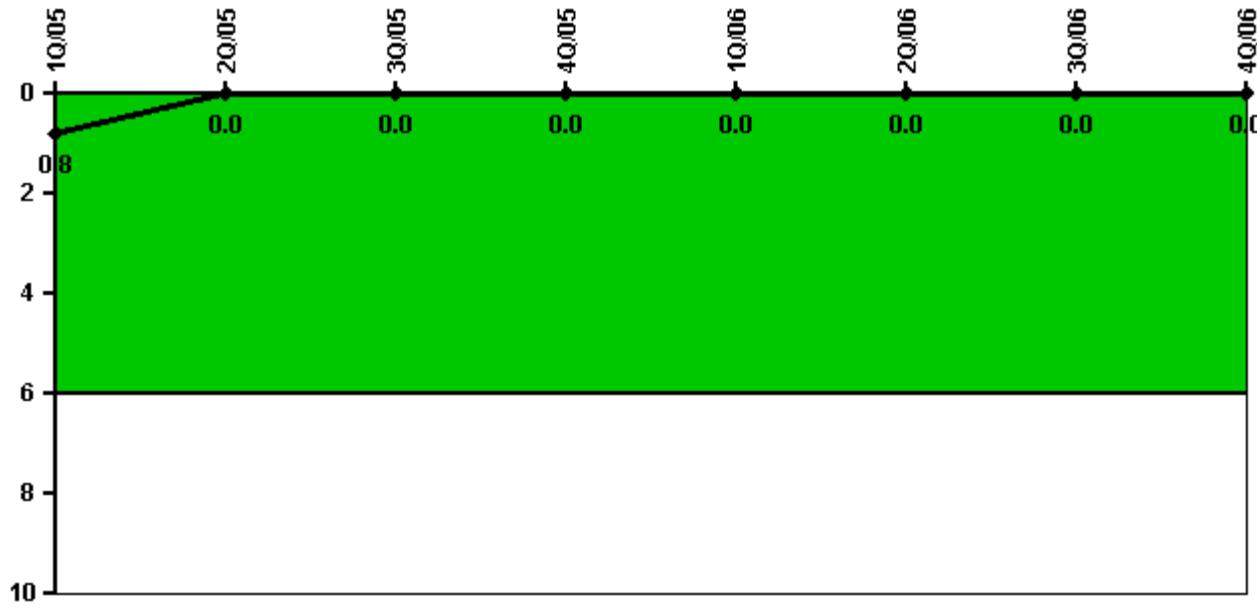
**Notes**

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



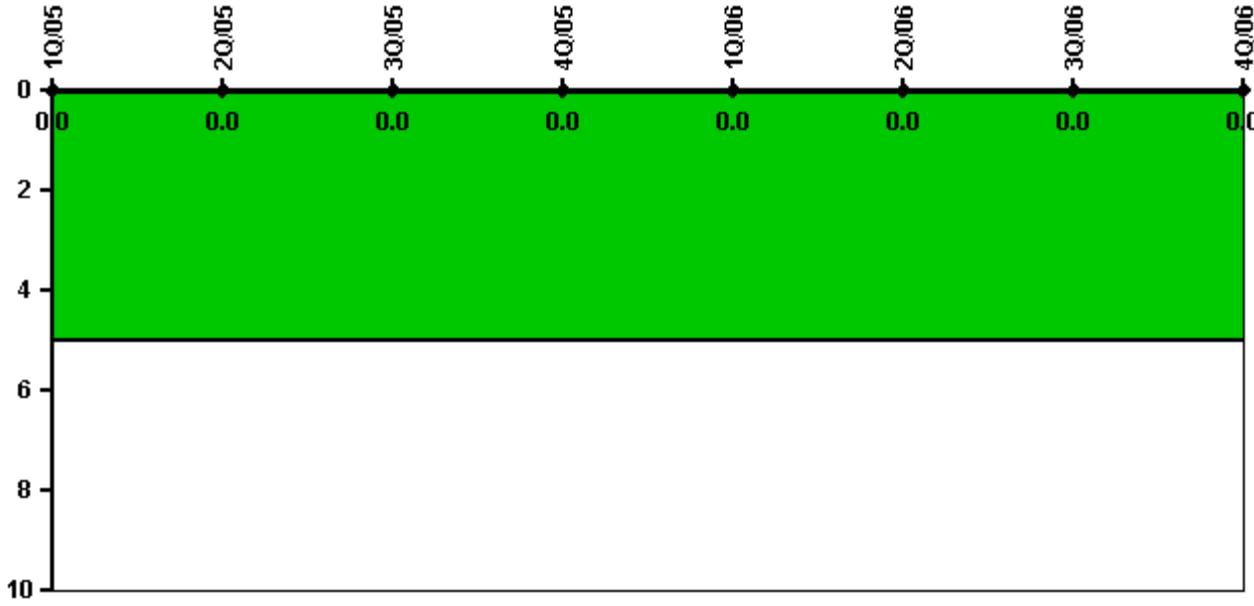
Thresholds: White > 6.0

#### 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	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0
Indicator value	<b>0.8</b>	<b>0</b>						

Licensee Comments: none

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**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

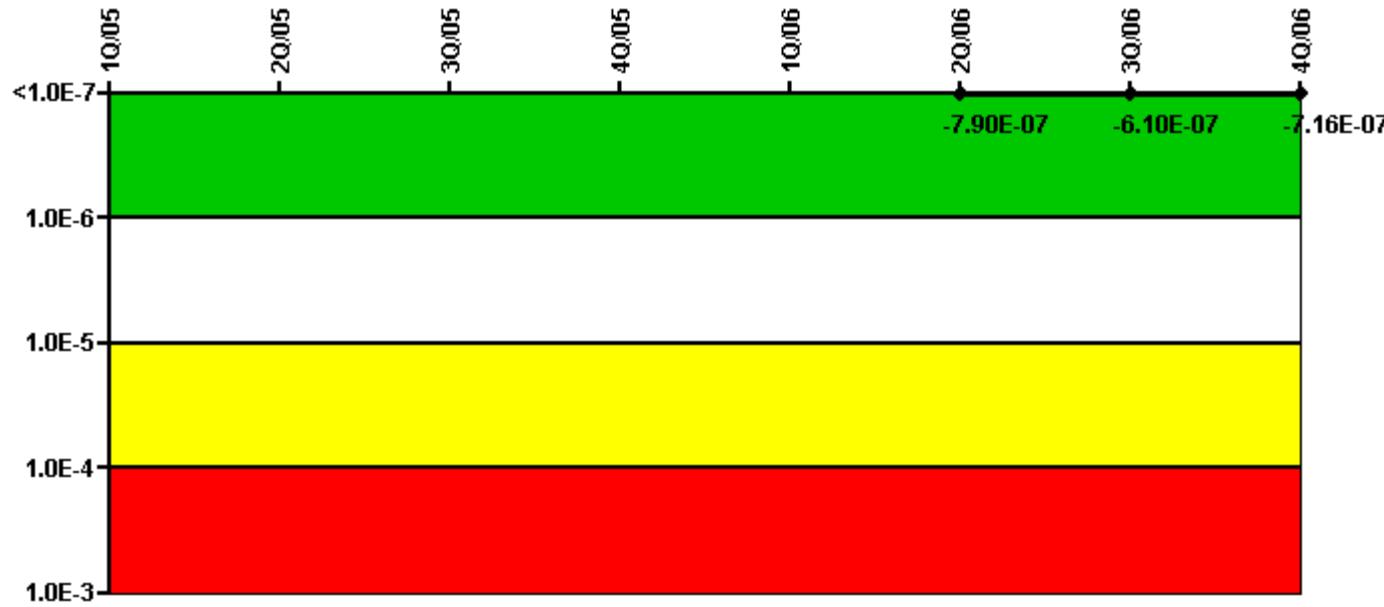
**Notes**

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



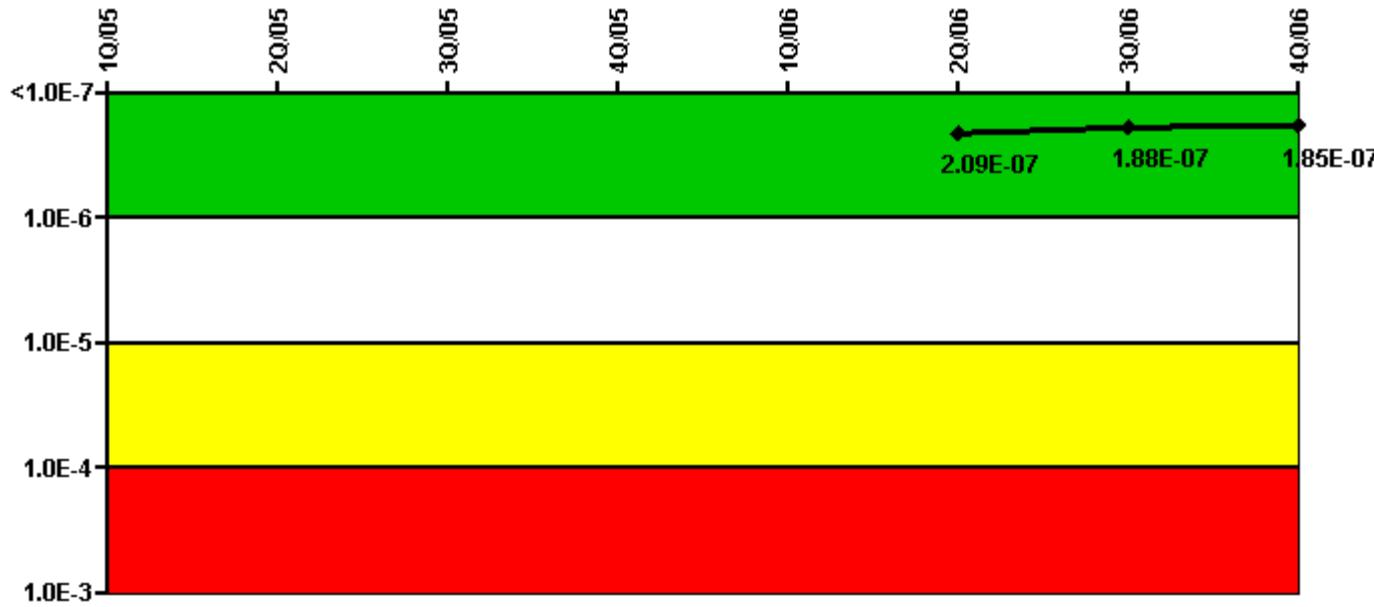
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)						5.10E-07	2.00E-07	9.40E-08
URI ( $\Delta$ CDF)						-1.30E-06	-8.10E-07	-8.10E-07
PLE						NO	NO	NO
Indicator value						-7.90E-07	-6.10E-07	-7.16E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



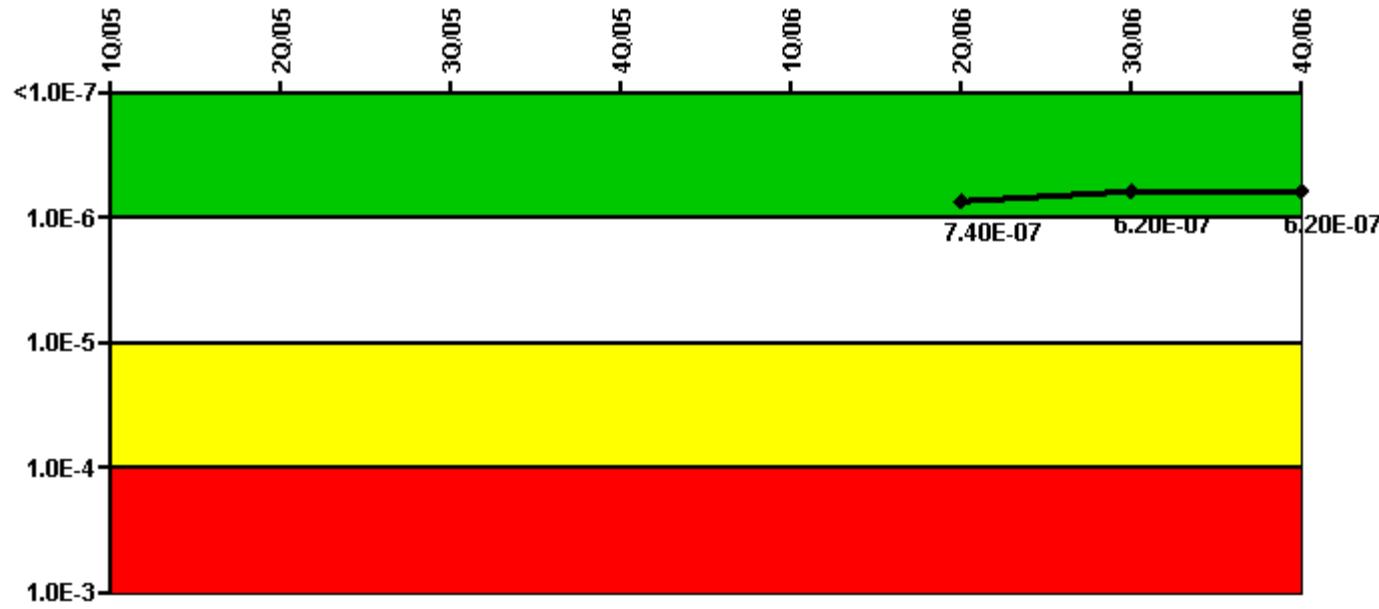
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-4.10E-08	-2.20E-08	-2.50E-08
URI (ΔCDF)						2.50E-07	2.10E-07	2.10E-07
PLE						NO	NO	NO
<b>Indicator value</b>						<b>2.09E-07</b>	<b>1.88E-07</b>	<b>1.85E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



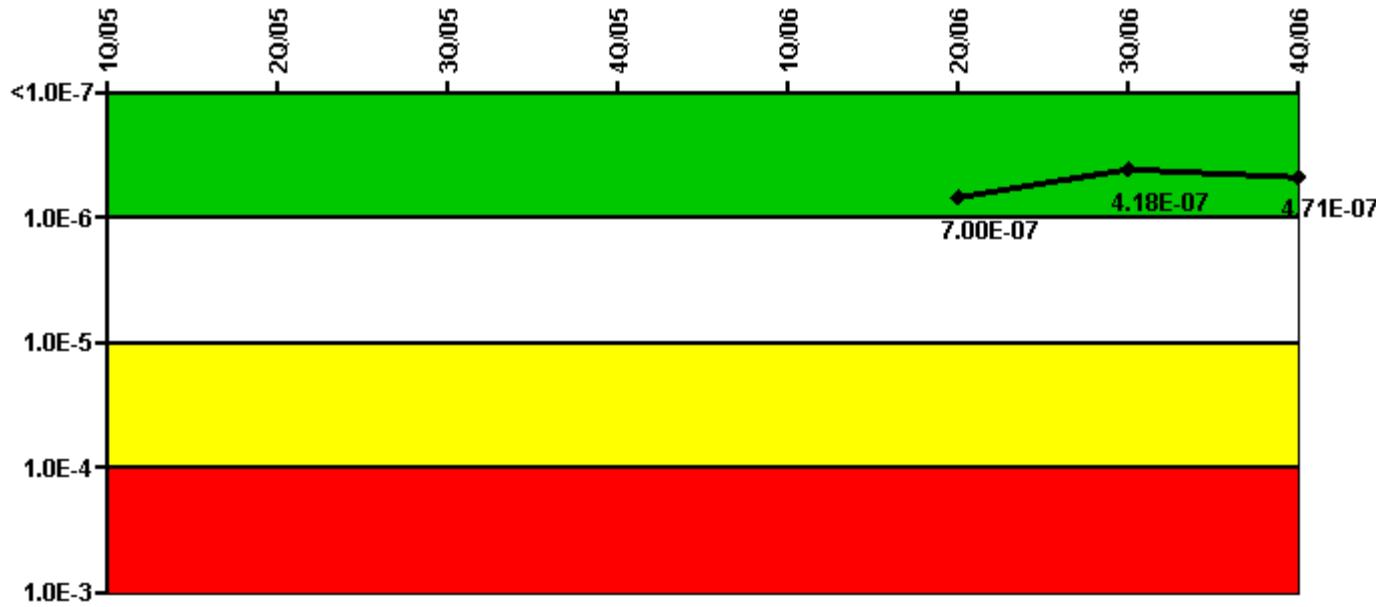
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### 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 ( $\Delta$ CDF)						2.10E-07	1.60E-07	1.60E-07
URI ( $\Delta$ CDF)						5.30E-07	4.60E-07	4.60E-07
PLE						NO	NO	NO
Indicator value						7.40E-07	6.20E-07	6.20E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



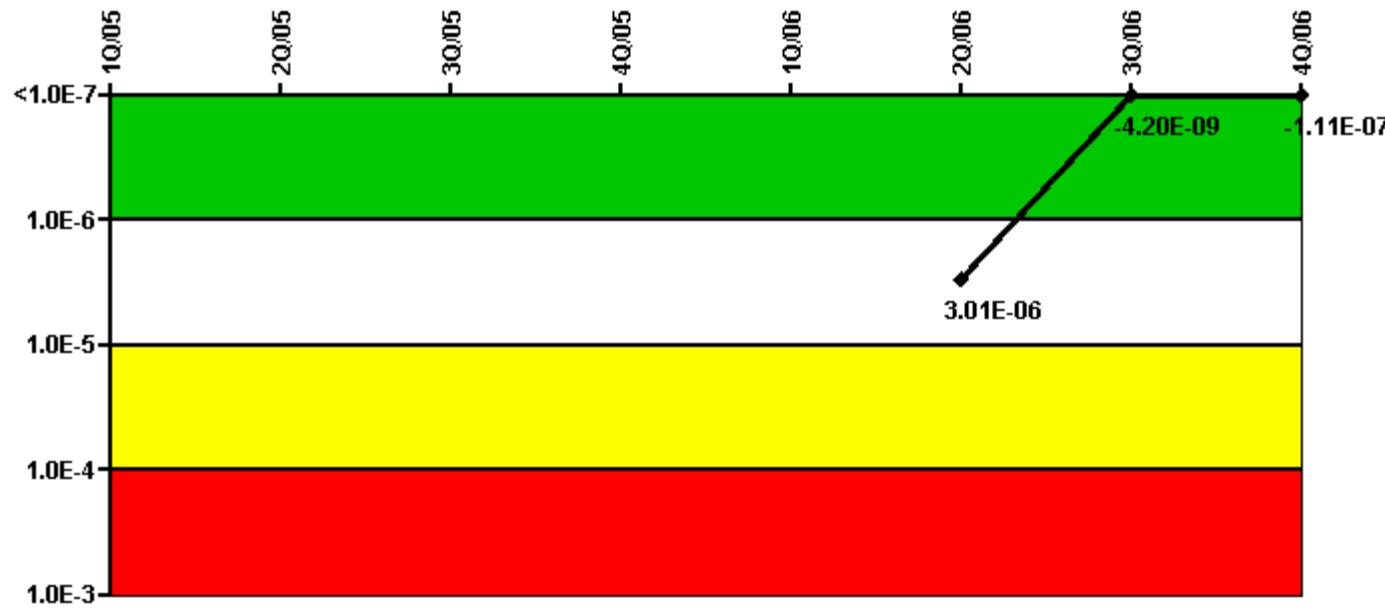
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						1.50E-07	8.10E-09	6.10E-08
URI ( $\Delta$ CDF)						5.50E-07	4.10E-07	4.10E-07
PLE						NO	NO	NO
Indicator value						7.00E-07	4.18E-07	4.71E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



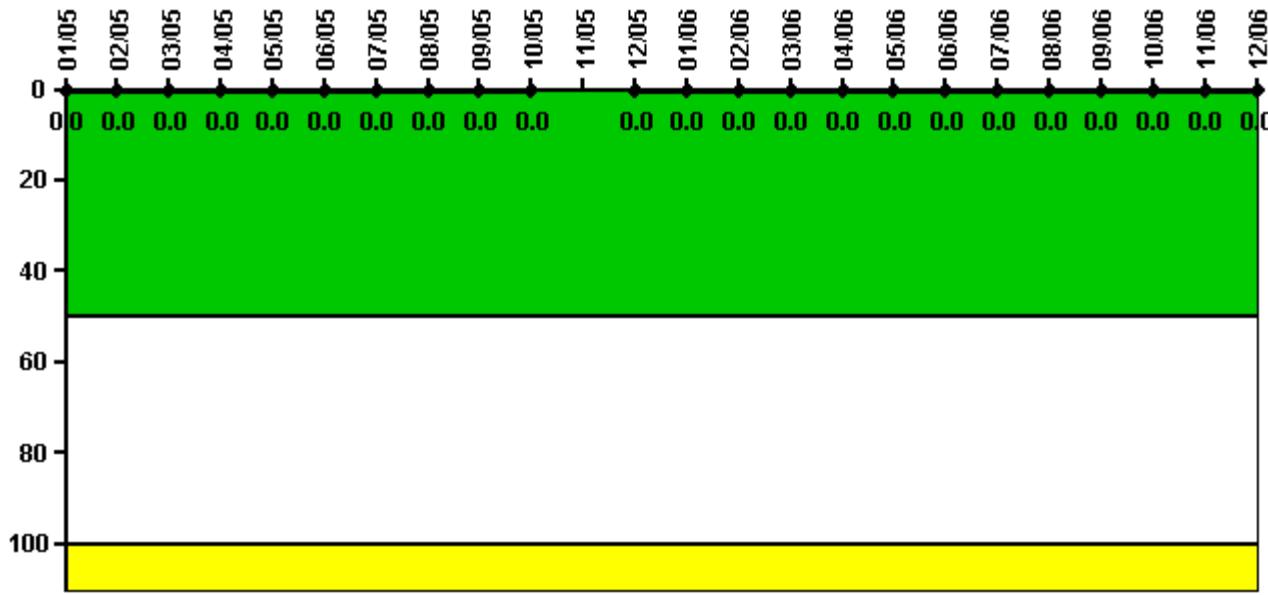
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.00E-08	-2.70E-09	-8.00E-10
URI (ΔCDF)						3.00E-06	-1.50E-09	-1.10E-07
PLE						NO	NO	NO
<b>Indicator value</b>						<b>3.01E-06</b>	<b>-4.20E-09</b>	<b>-1.11E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



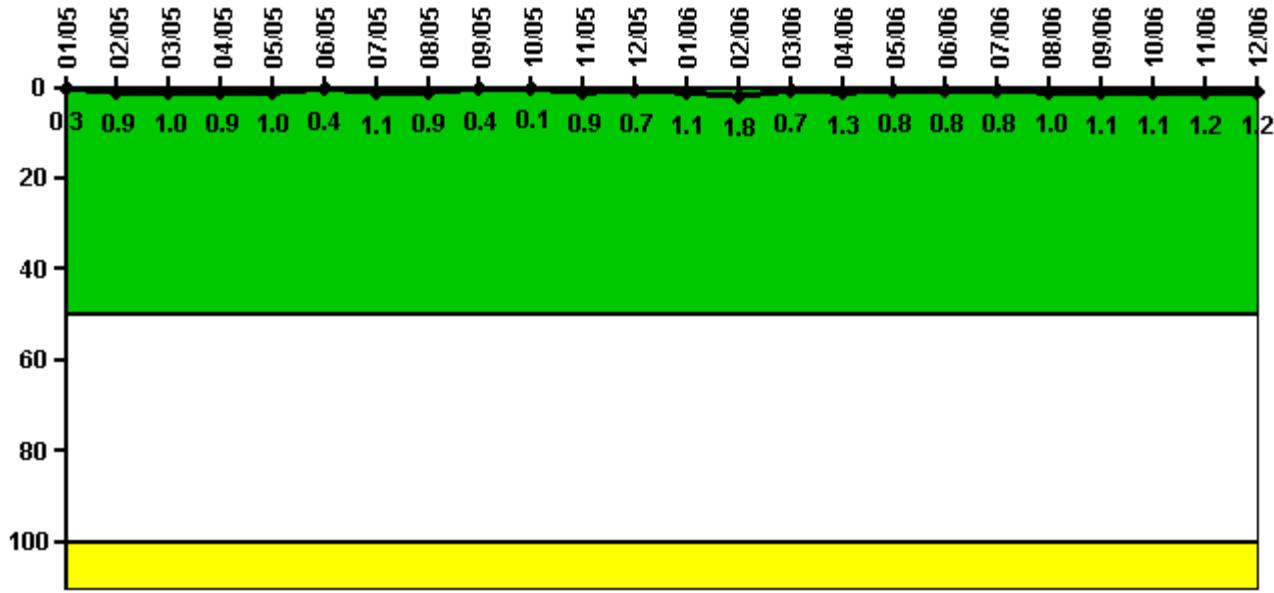
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.0000126	0.0000131	0.0000133	0.0000127	0.0000126	0.0000124	0.0000124	0.0000137	0.0000136	0.0000111	N/A	0.0000079
Indicator value	0	0	0	0	0	0	0	0	0	0	N/A	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	0.0000081	0.0000086	0.0000090	0.0000099	0.0000098	0.0000109	0.0000093	0.0000109	0.0000102	0.0000102	0.0000111	0.0000115
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



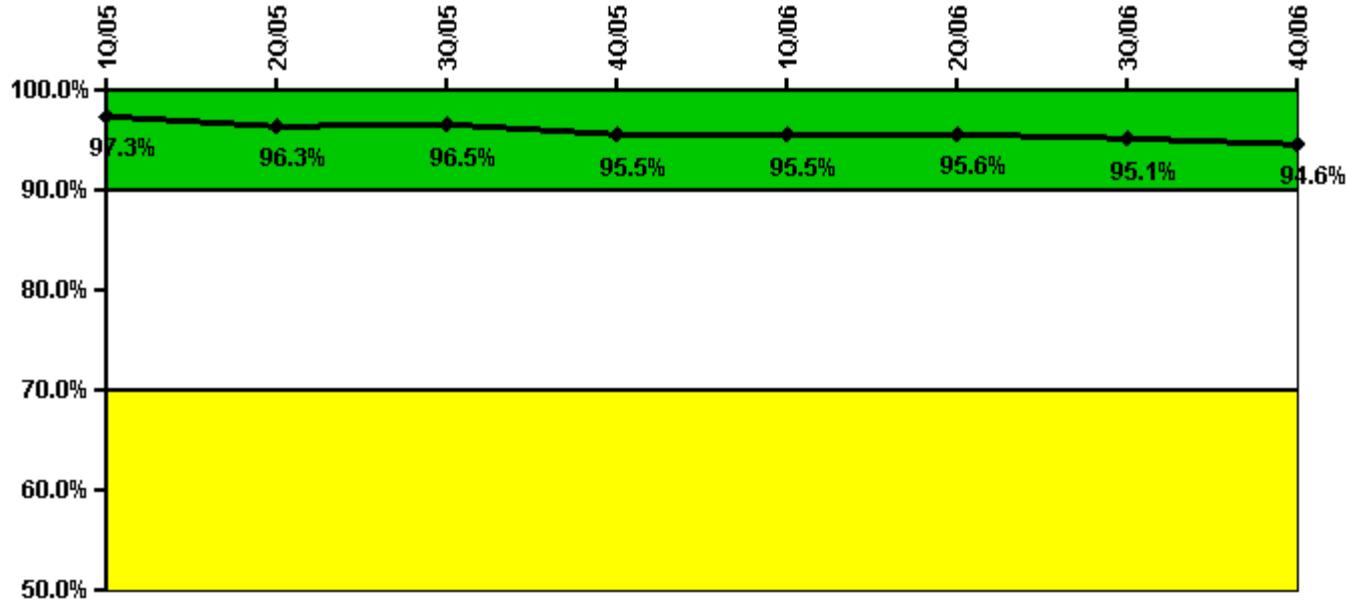
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.030	0.090	0.100	0.090	0.100	0.040	0.110	0.090	0.040	0.010	0.090	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.9</b>	<b>0.7</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	0.110	0.180	0.070	0.130	0.080	0.080	0.080	0.100	0.110	0.110	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>	<b>1.3</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

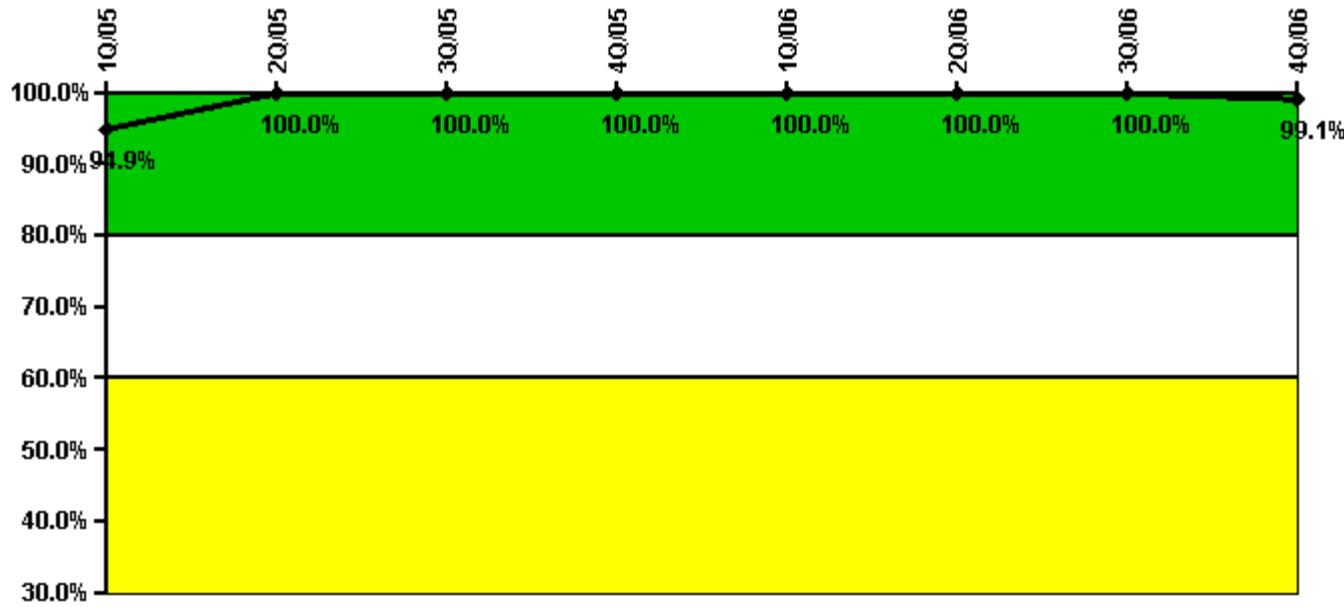
#### Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	0	67.0	59.0	2.0	0	6.0	65.0	46.0
Total opportunities	0	72.0	60.0	2.0	0	6.0	69.0	50.0
Indicator value	97.3%	96.3%	96.5%	95.5%	95.5%	95.6%	95.1%	94.6%

Licensee Comments: none

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### ERO Drill Participation



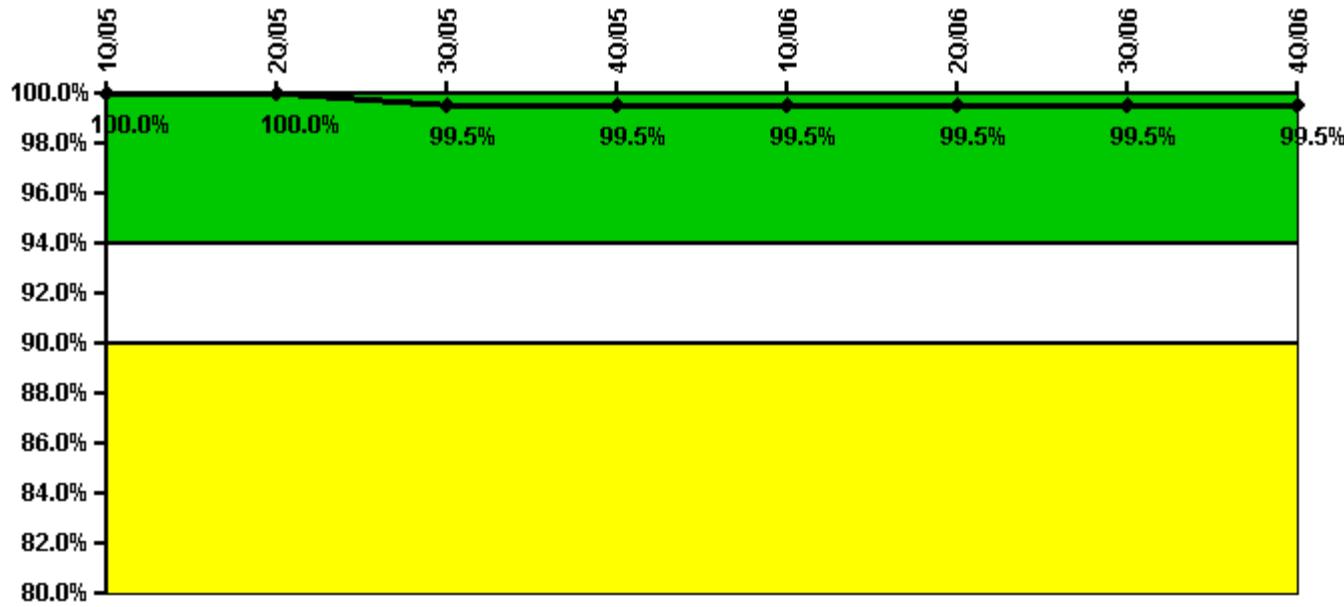
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	93.0	108.0	106.0	102.0	105.0	106.0	104.0	105.0
Total Key personnel	98.0	108.0	106.0	102.0	105.0	106.0	104.0	106.0
Indicator value	94.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%

Licensee Comments: none

## Alert & Notification System



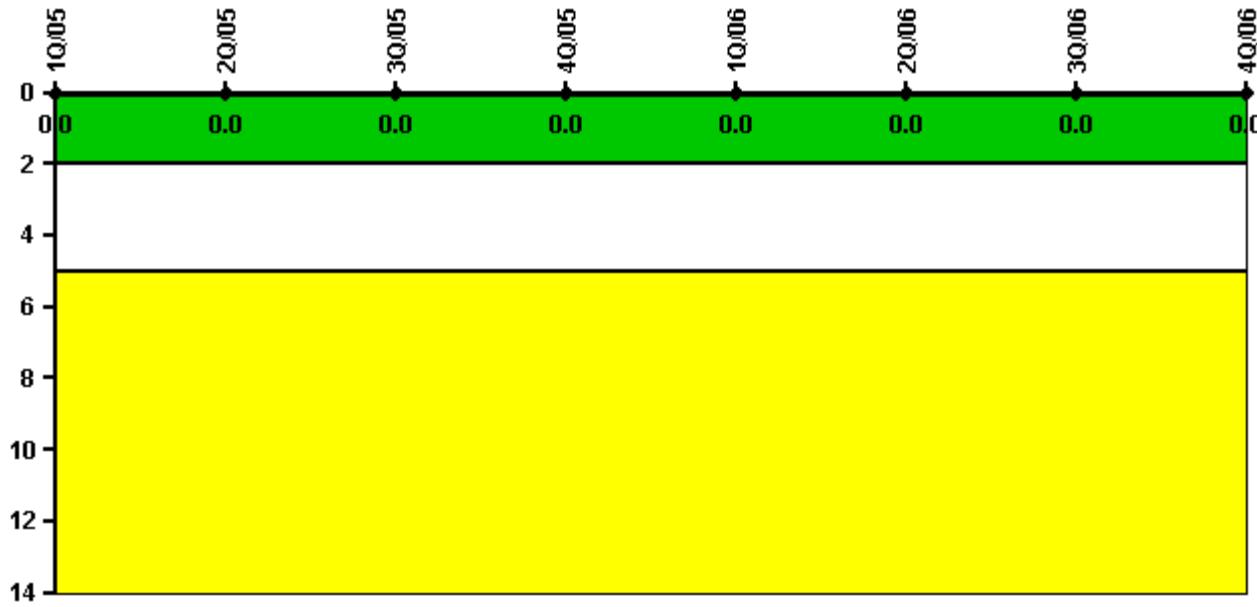
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	48	48	47	48	48	48	44	48
Total sirens-tests	48	48	48	48	48	48	45	48
Indicator value	100.0%	100.0%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%

Licensee Comments: none

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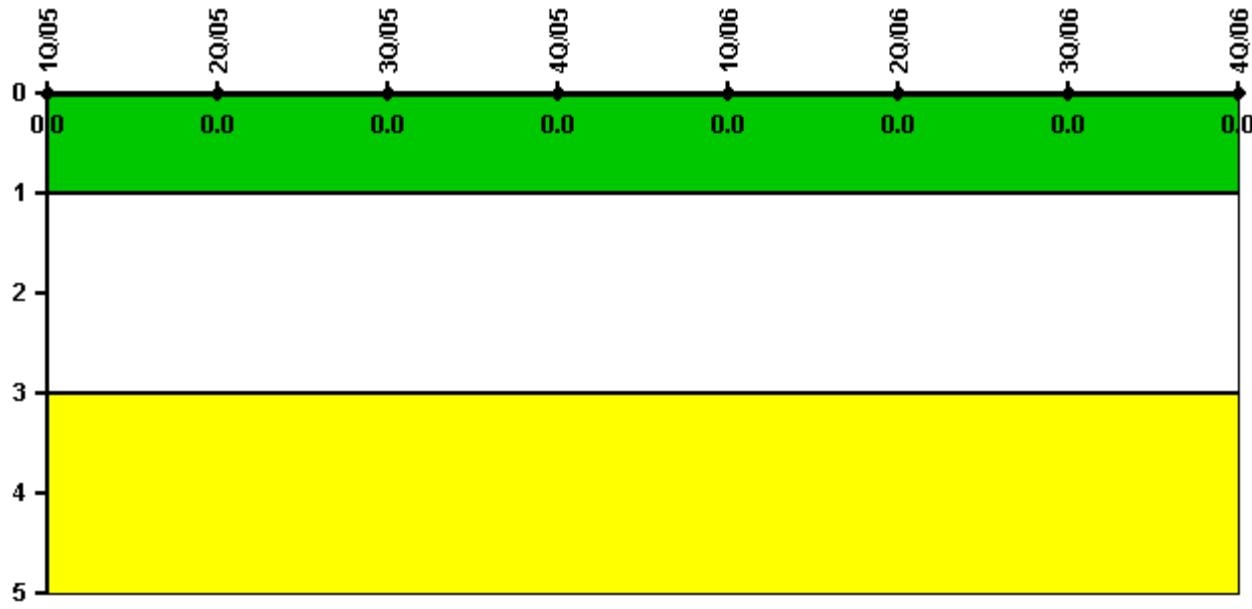
**Occupational Exposure Control Effectiveness**

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.

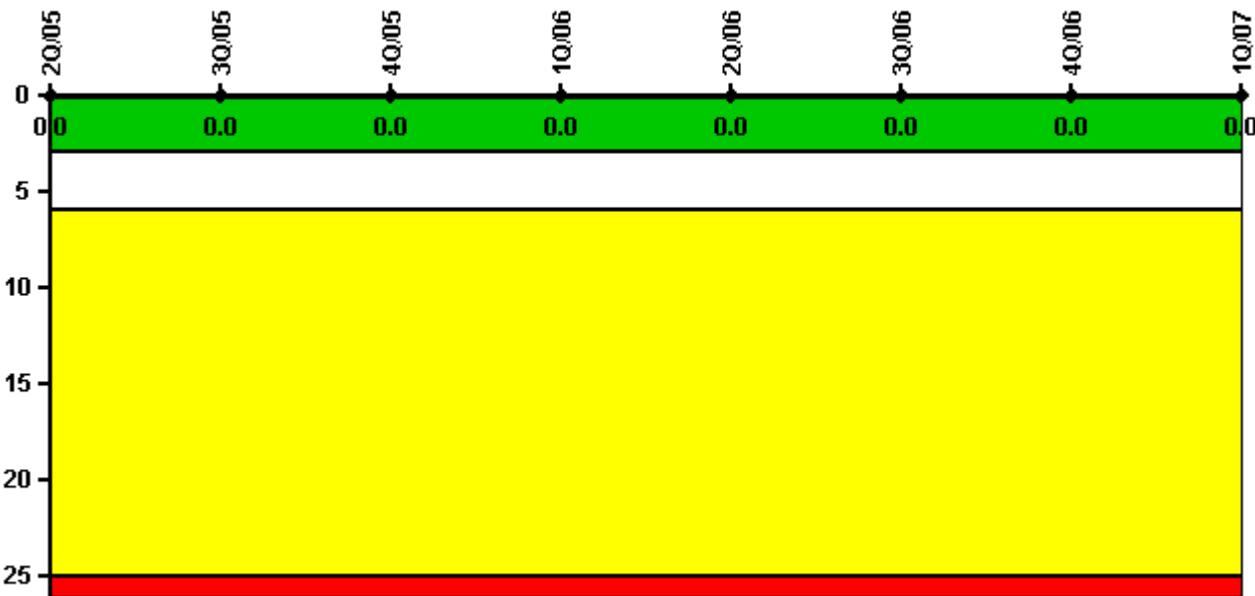
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# Farley 2

## 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	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0
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

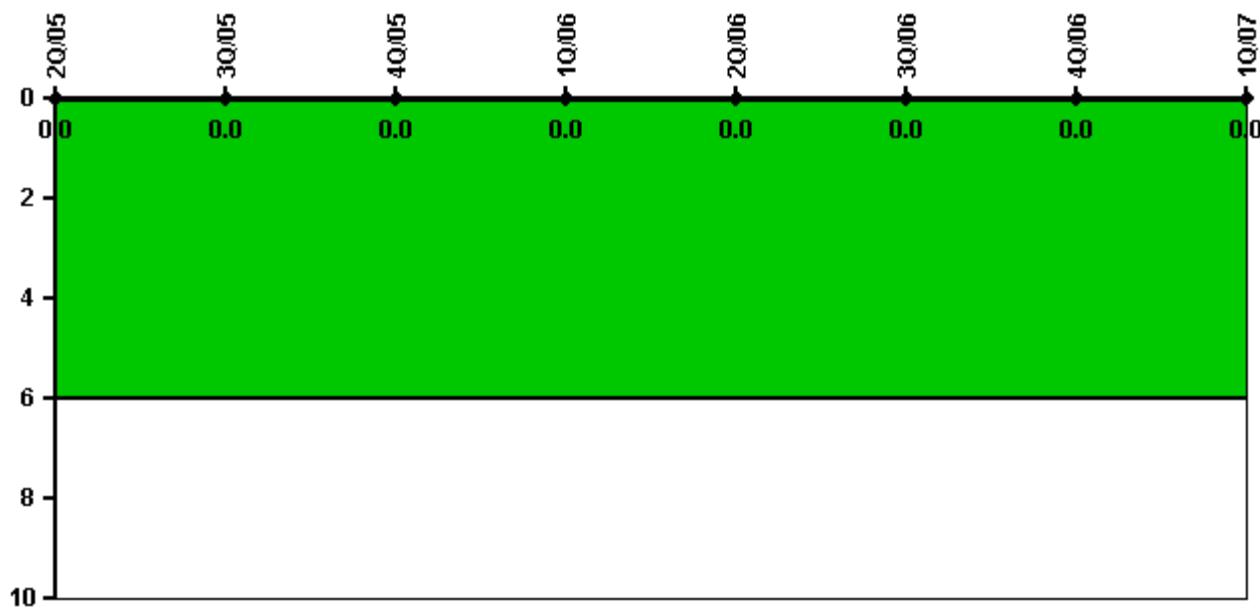
### Notes

Scrams with Loss of Normal Heat Removal	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



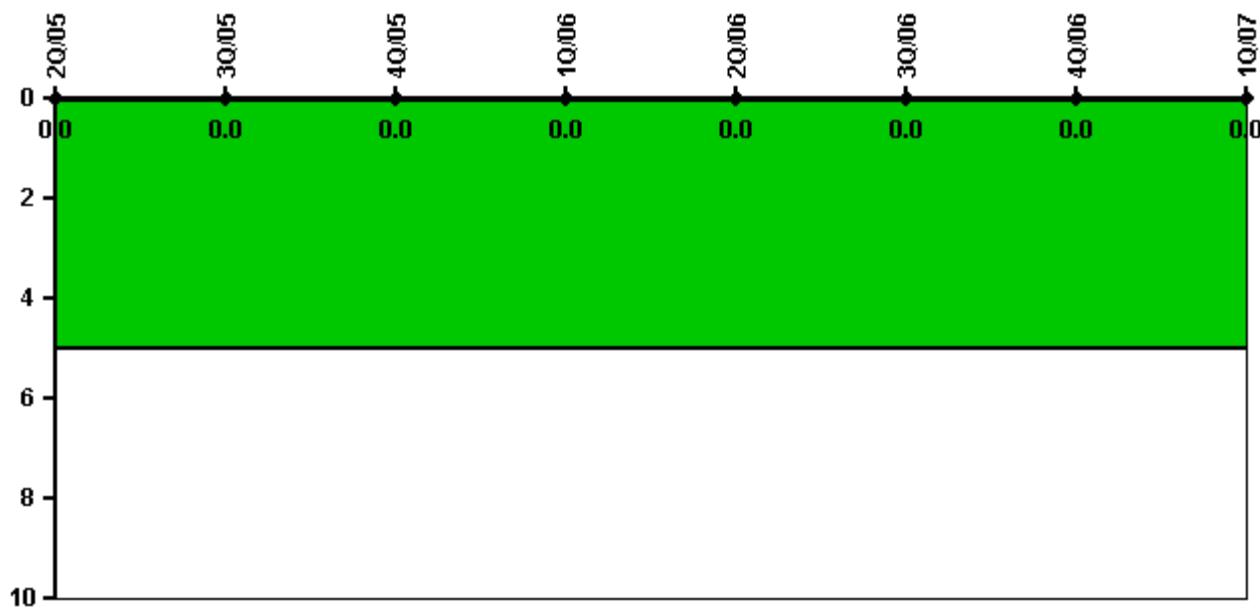
Thresholds: White > 6.0

### 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	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0
Indicator value	<b>0</b>							

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

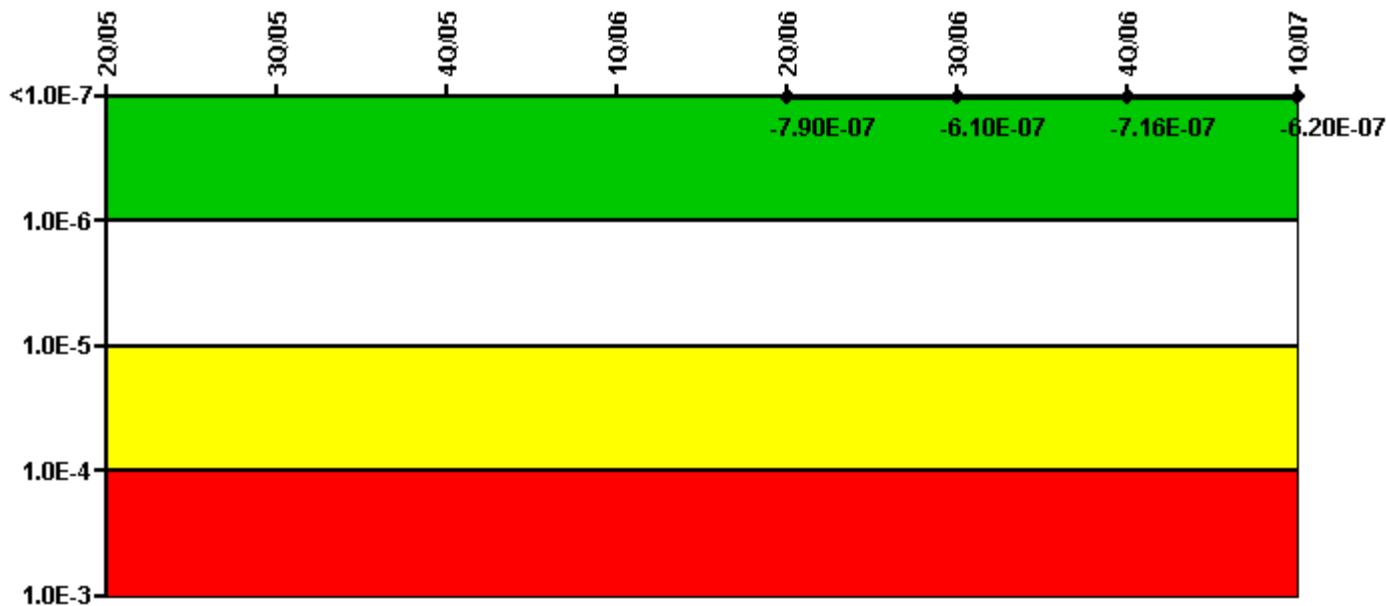
### Notes

Safety System Functional Failures (PWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
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



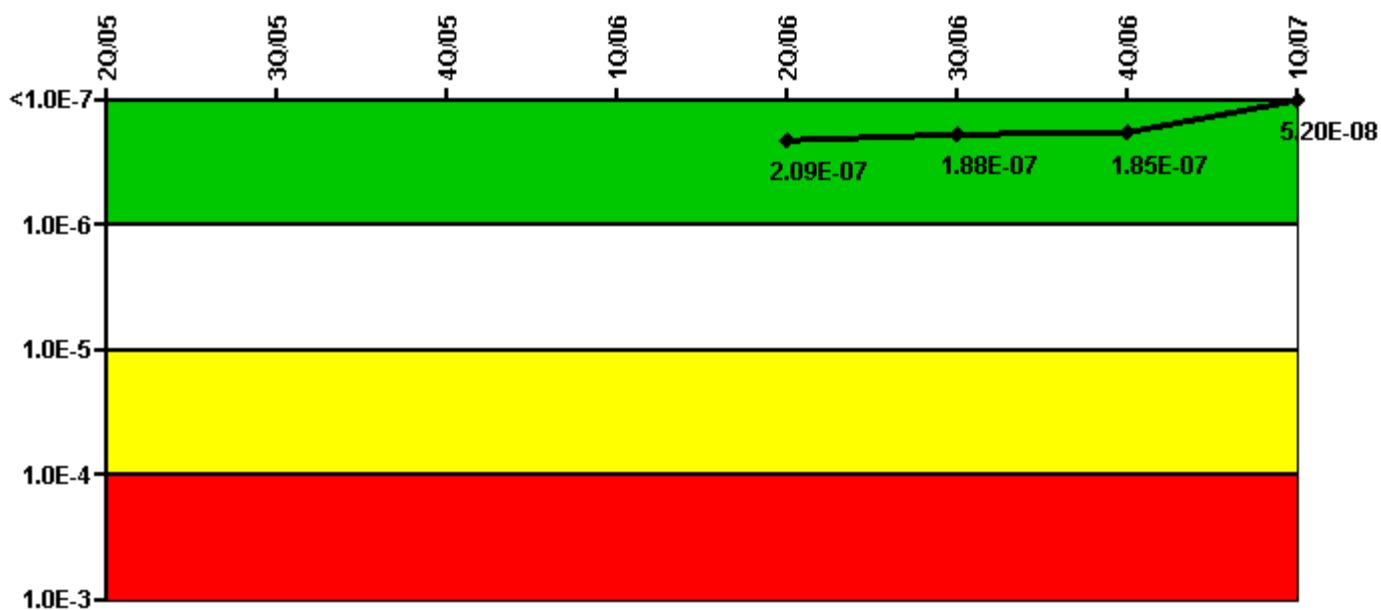
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					5.10E-07	2.00E-07	9.40E-08	1.90E-07
URI (ΔCDF)					-1.30E-06	-8.10E-07	-8.10E-07	-8.10E-07
PLE					NO	NO	NO	NO
Indicator value					-7.90E-07	-6.10E-07	-7.16E-07	-6.20E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



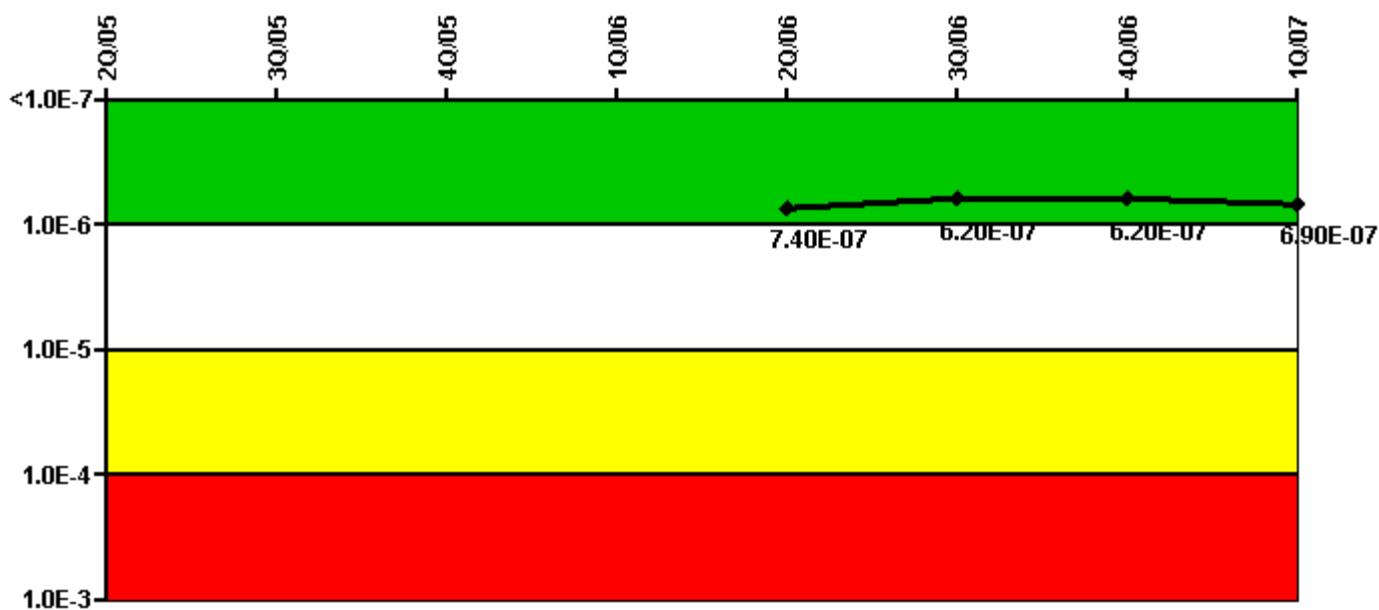
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					-4.10E-08	-2.20E-08	-2.50E-08	-2.50E-08
URI ( $\Delta$ CDF)					2.50E-07	2.10E-07	2.10E-07	7.70E-08
PLE					NO	NO	NO	NO
Indicator value					2.09E-07	1.88E-07	1.85E-07	5.20E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



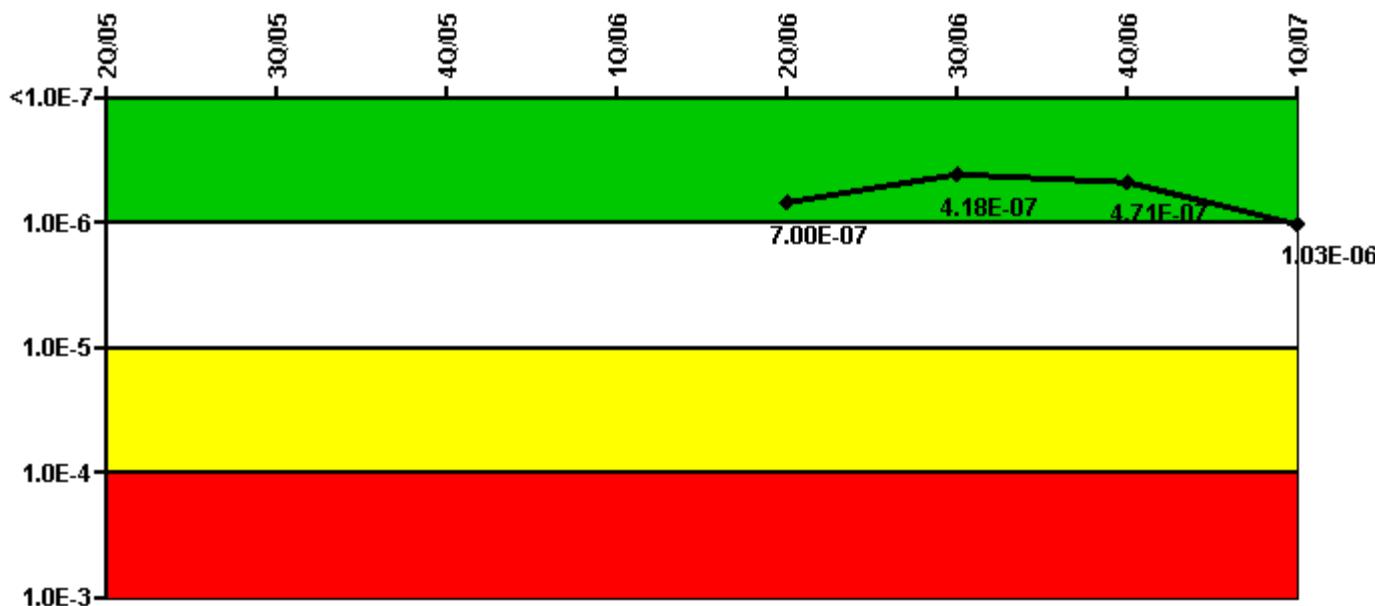
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					$2.10E-07$	$1.60E-07$	$1.60E-07$	$2.30E-07$
URI ( $\Delta$ CDF)					$5.30E-07$	$4.60E-07$	$4.60E-07$	$4.60E-07$
PLE					NO	NO	NO	NO
Indicator value					$7.40E-07$	$6.20E-07$	$6.20E-07$	$6.90E-07$

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

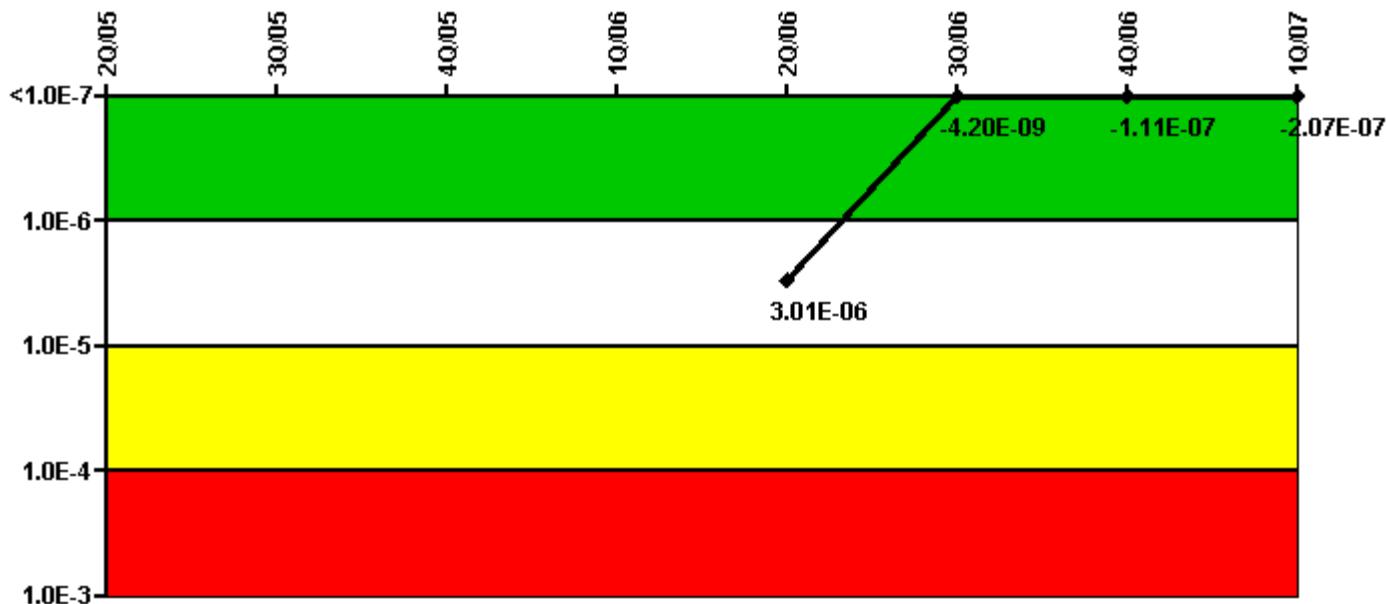
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					1.50E-07	8.10E-09	6.10E-08	1.20E-07
URI ( $\Delta$ CDF)					5.50E-07	4.10E-07	4.10E-07	9.10E-07
PLE					NO	NO	NO	NO
Indicator value					7.00E-07	4.18E-07	4.71E-07	1.03E-06

Licensee Comments:

1Q/07: Risk Cap Invoked.

## Mitigating Systems Performance Index, Cooling Water Systems



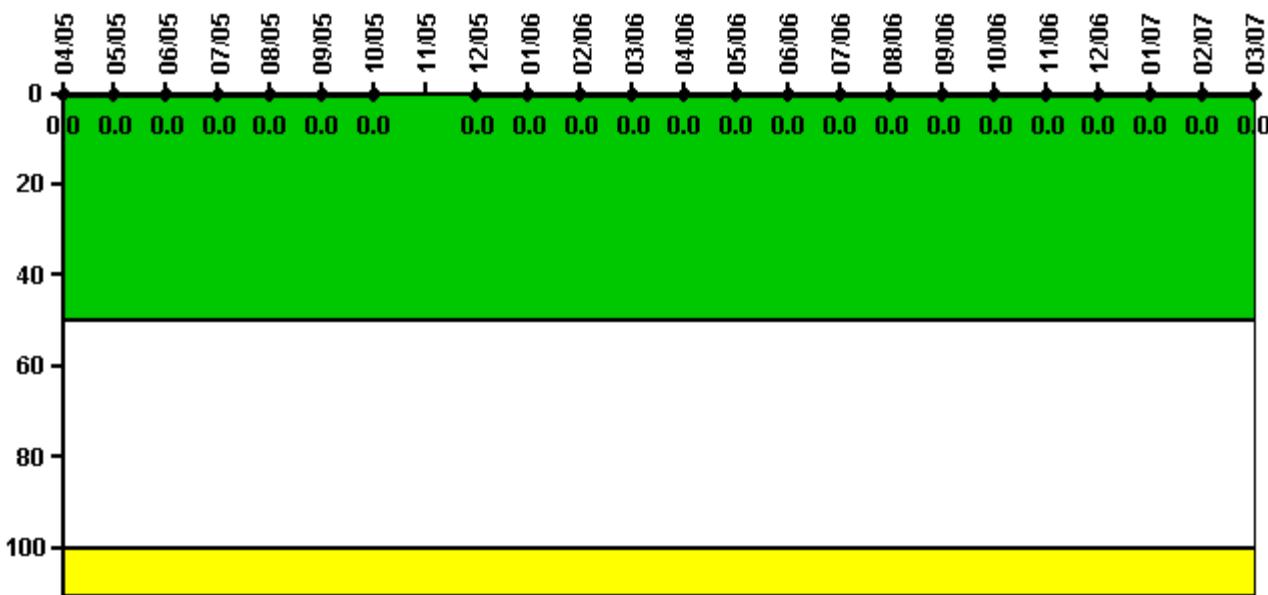
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)					1.00E-08	-2.70E-09	-8.00E-10	2.70E-09
URI ( $\Delta$ CDF)					3.00E-06	-1.50E-09	-1.10E-07	-2.10E-07
PLE					NO	NO	NO	NO
Indicator value					3.01E-06	-4.20E-09	-1.11E-07	-2.07E-07

Licensee Comments: none

## Reactor Coolant System Activity



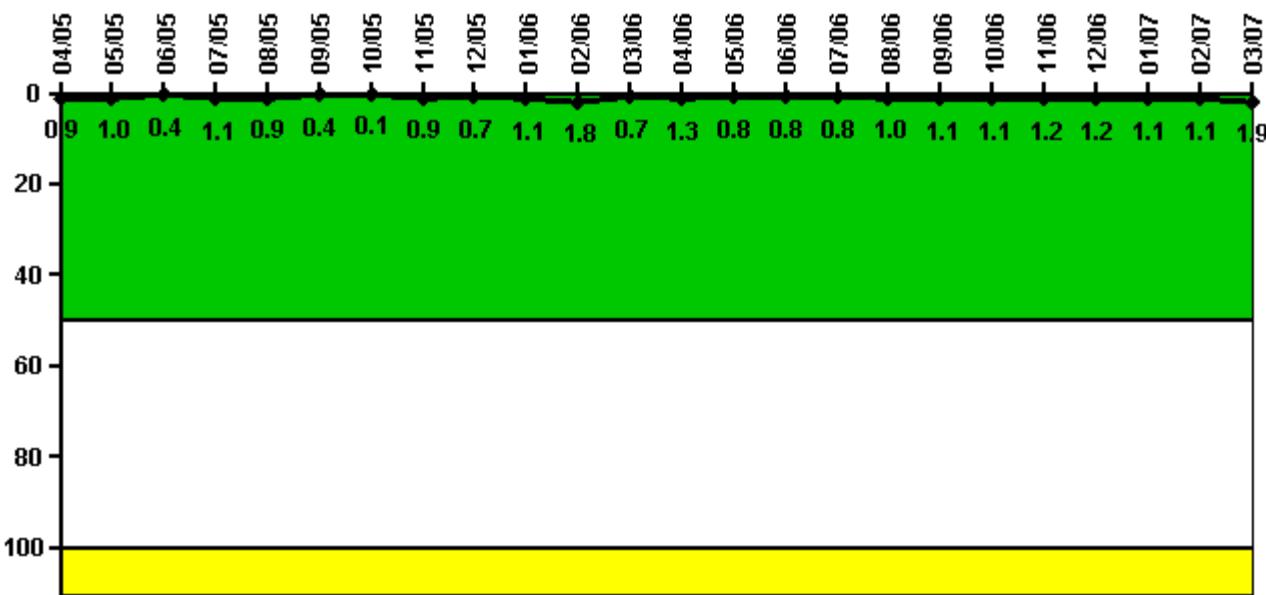
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000127	0.000126	0.000124	0.000124	0.000137	0.000136	0.000111	N/A	0.000079	0.000081	0.000086	0.000090
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0
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	0.000099	0.000098	0.000109	0.000093	0.000109	0.000102	0.000102	0.000111	0.000115	0.000119	0.000122	0.000125
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



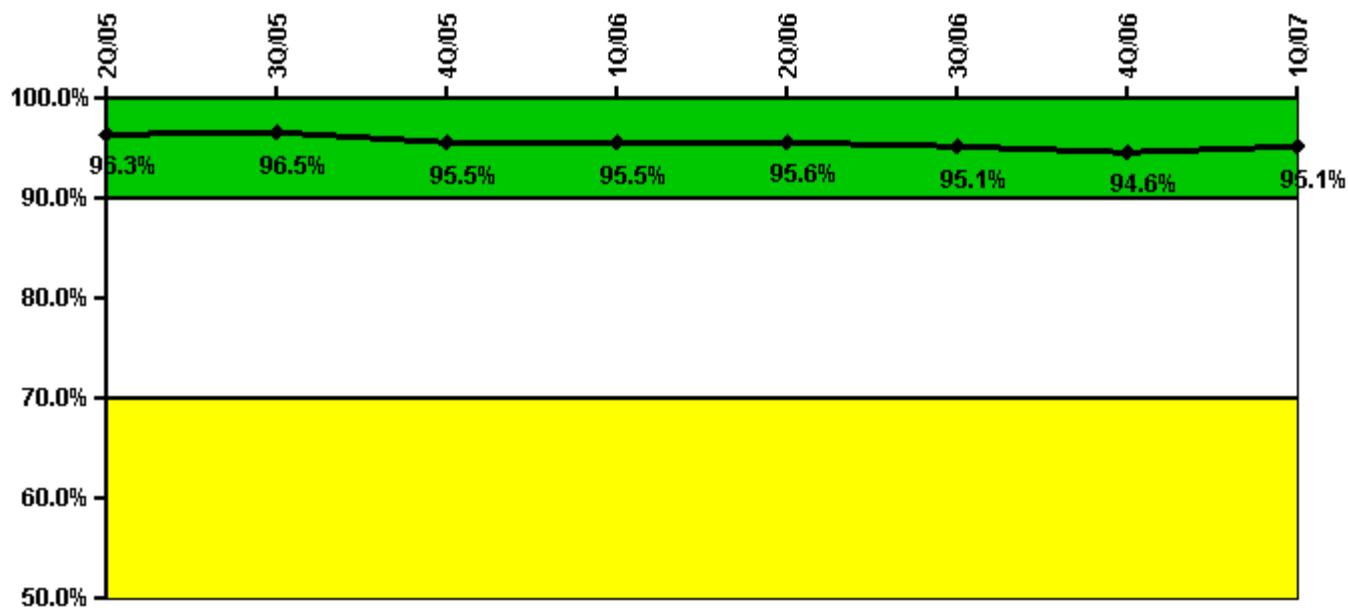
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.090	0.100	0.040	0.110	0.090	0.040	0.010	0.090	0.070	0.110	0.180	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.9</b>	<b>1.0</b>	<b>0.4</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.9</b>	<b>0.7</b>	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>
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	0.130	0.080	0.080	0.080	0.100	0.110	0.110	0.120	0.120	0.110	0.110	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.3</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.1</b>	<b>1.9</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

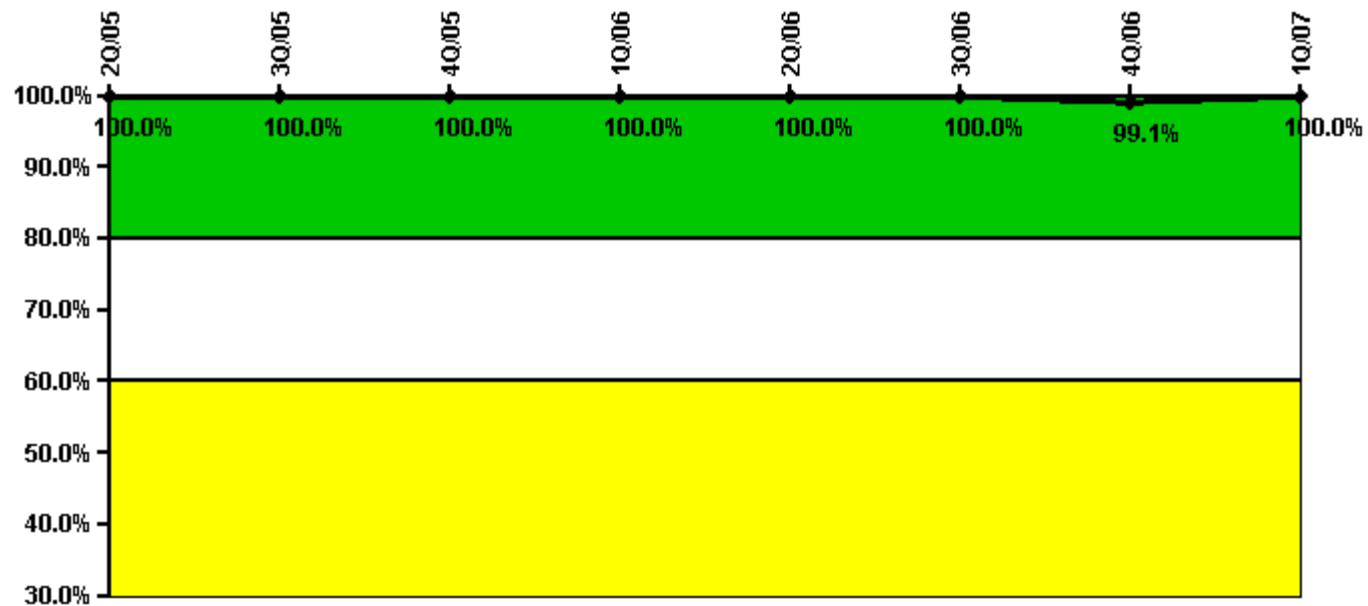
### Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	67.0	59.0	2.0	0	6.0	65.0	46.0	28.0
Total opportunities	72.0	60.0	2.0	0	6.0	69.0	50.0	28.0
Indicator value	<b>96.3%</b>	<b>96.5%</b>	<b>95.5%</b>	<b>95.5%</b>	<b>95.6%</b>	<b>95.1%</b>	<b>94.6%</b>	<b>95.1%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

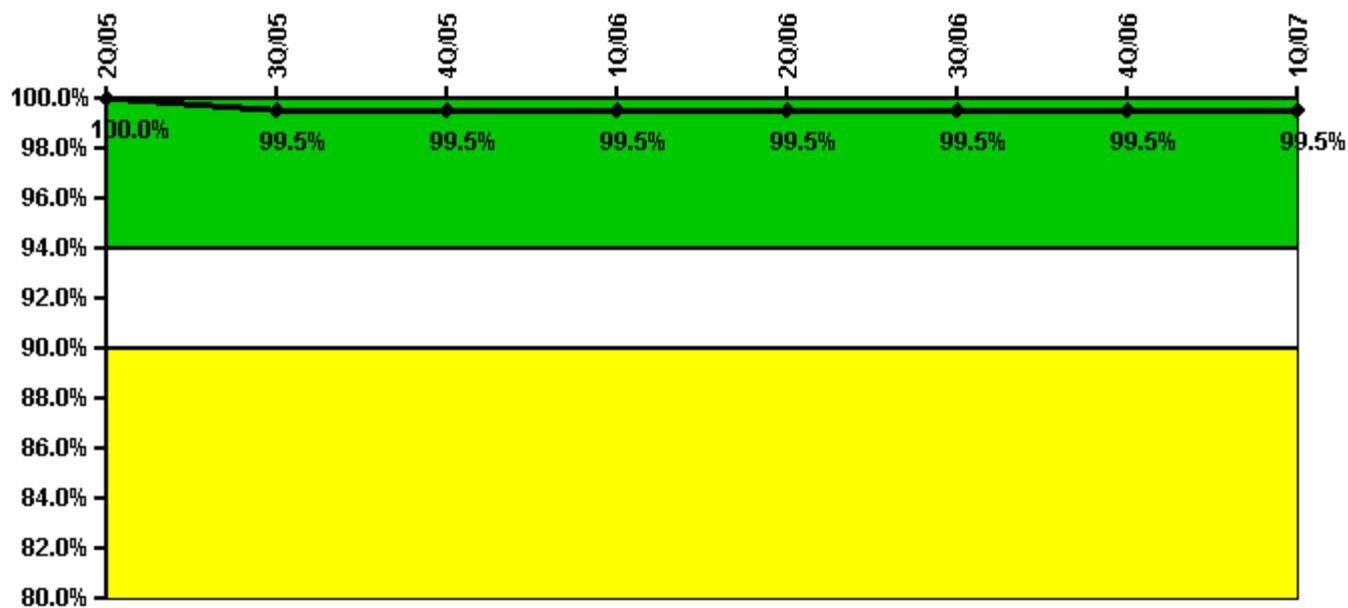
### Notes

<b>ERO Drill Participation</b>	<b>2Q/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>
Participating Key personnel	108.0	106.0	102.0	105.0	106.0	104.0	105.0	109.0
Total Key personnel	108.0	106.0	102.0	105.0	106.0	104.0	106.0	109.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



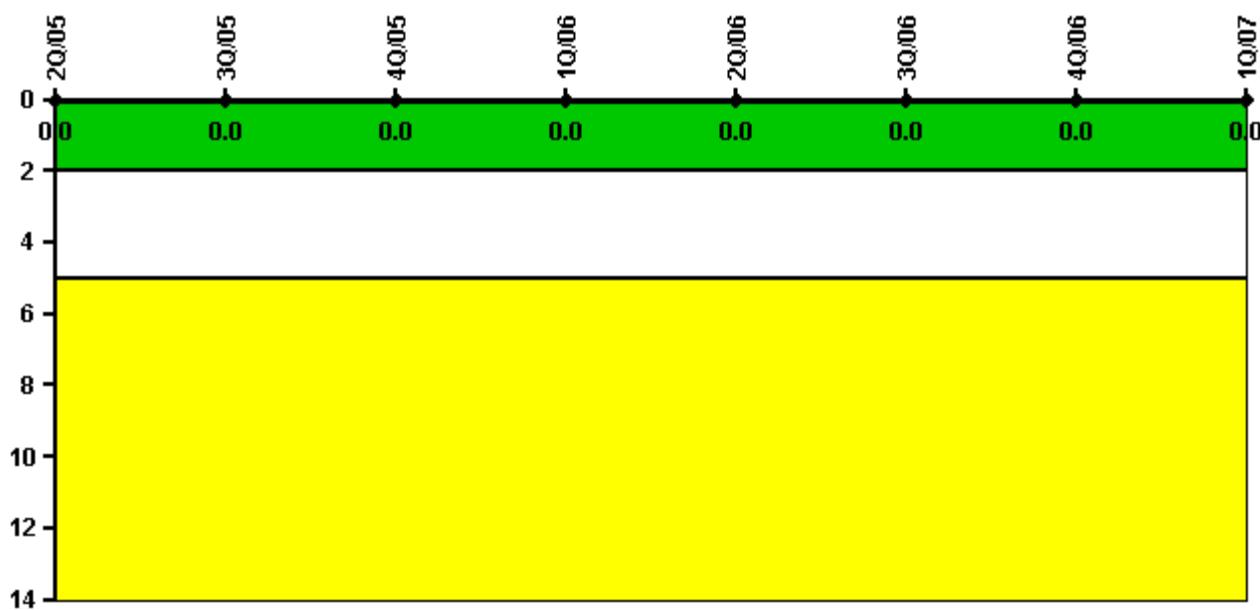
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	48	47	48	48	48	44	48	48
Total sirens-tests	48	48	48	48	48	45	48	48
Indicator value	100.0%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



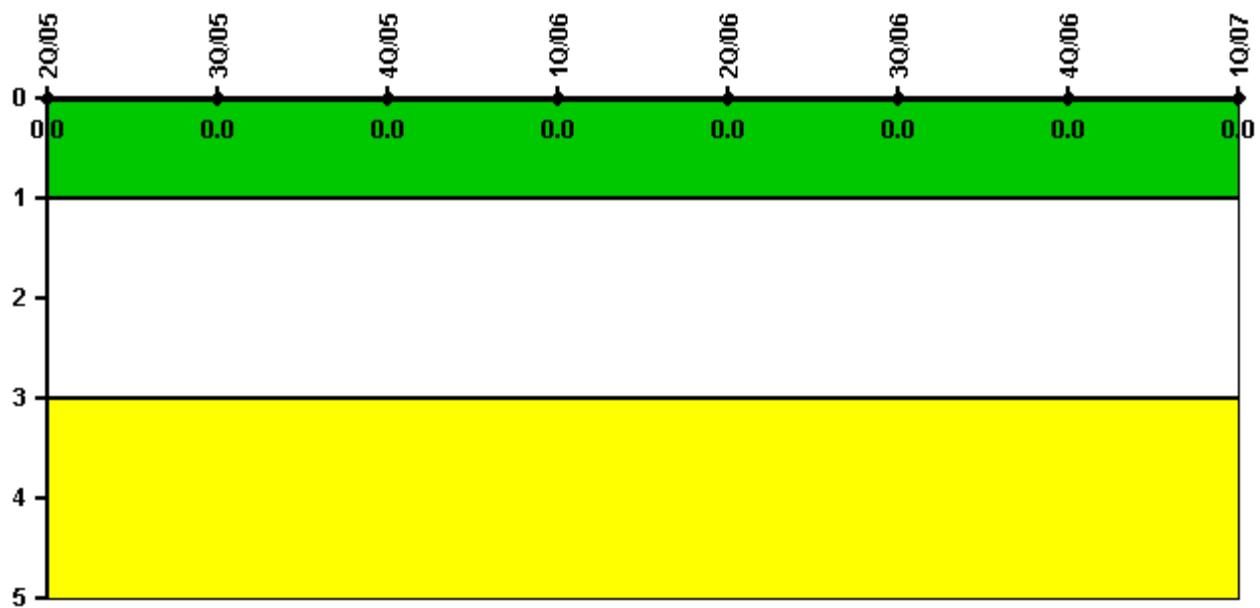
Thresholds: White > 2.0 Yellow > 5.0

### 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.

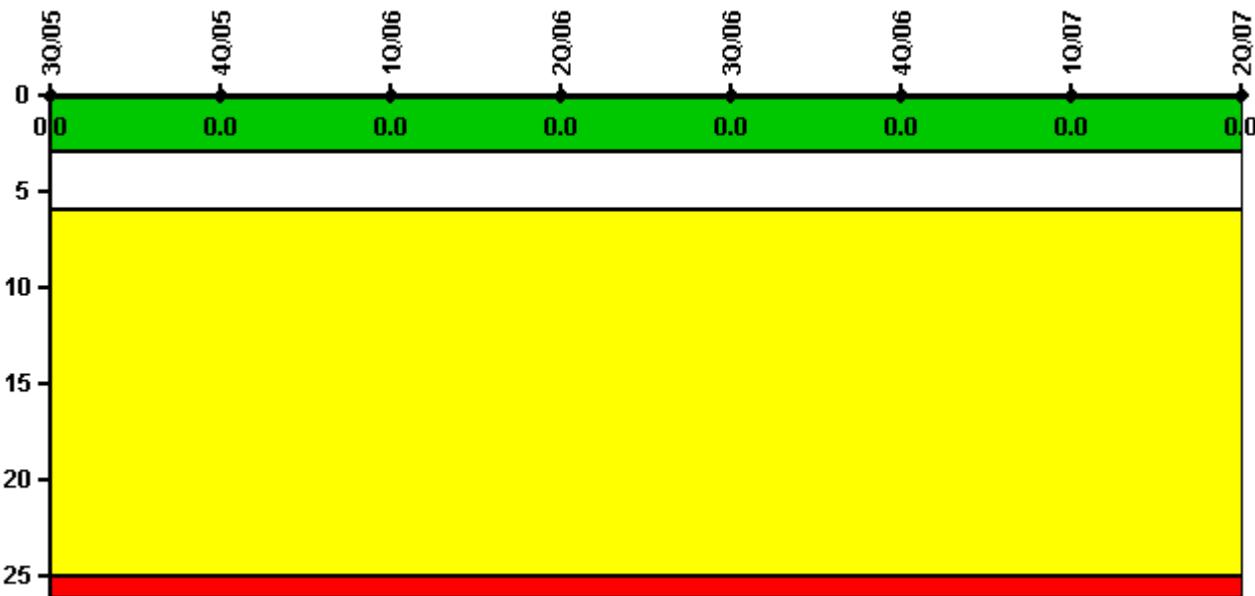
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# Farley 2

## 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	0	0	0	0	0	0	0
Critical hours	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5
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

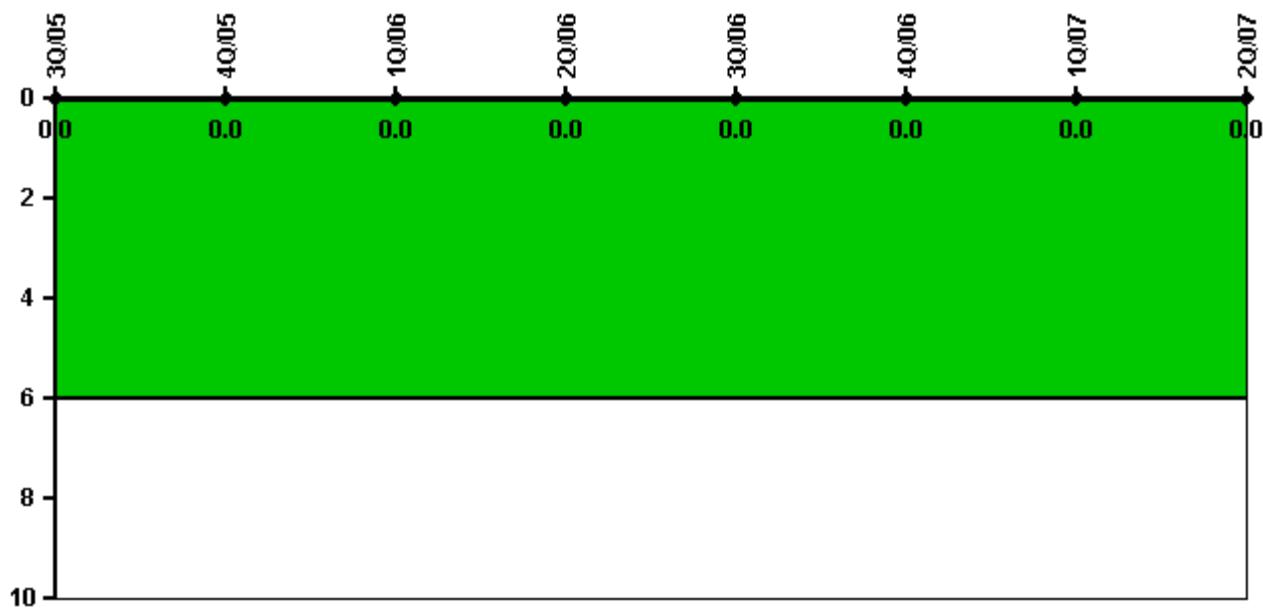
### Notes

Scrams with Loss of Normal Heat Removal	3Q/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



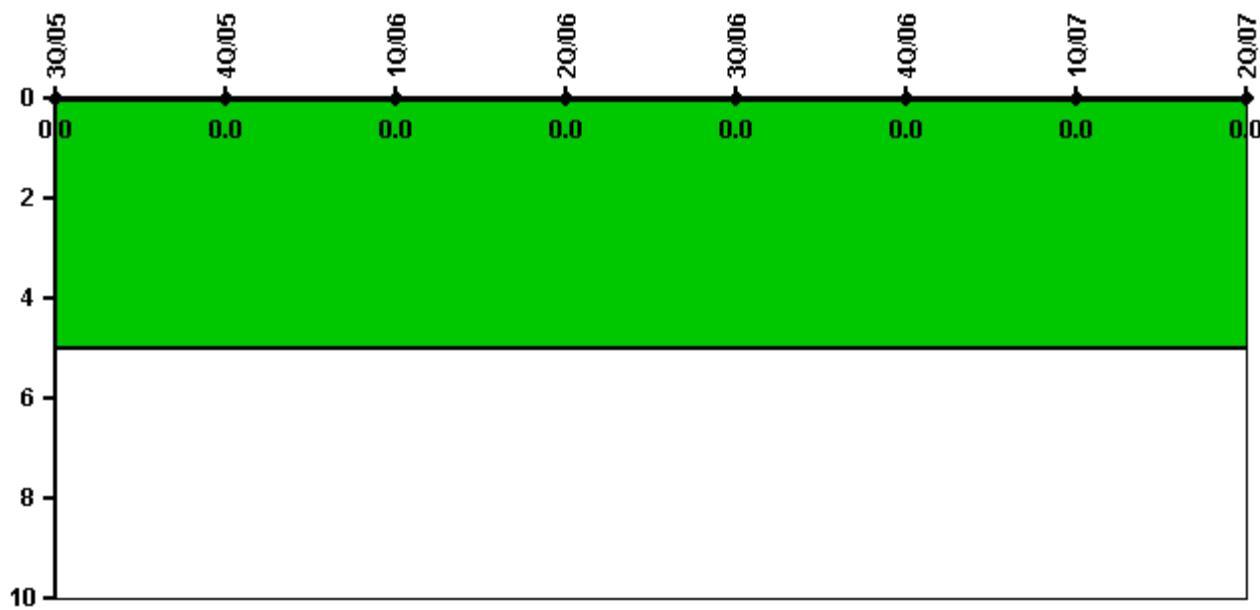
Thresholds: White > 6.0

### 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	0	0	0	0	0
Critical hours	2208.0	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5
Indicator value	<b>0</b>							

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

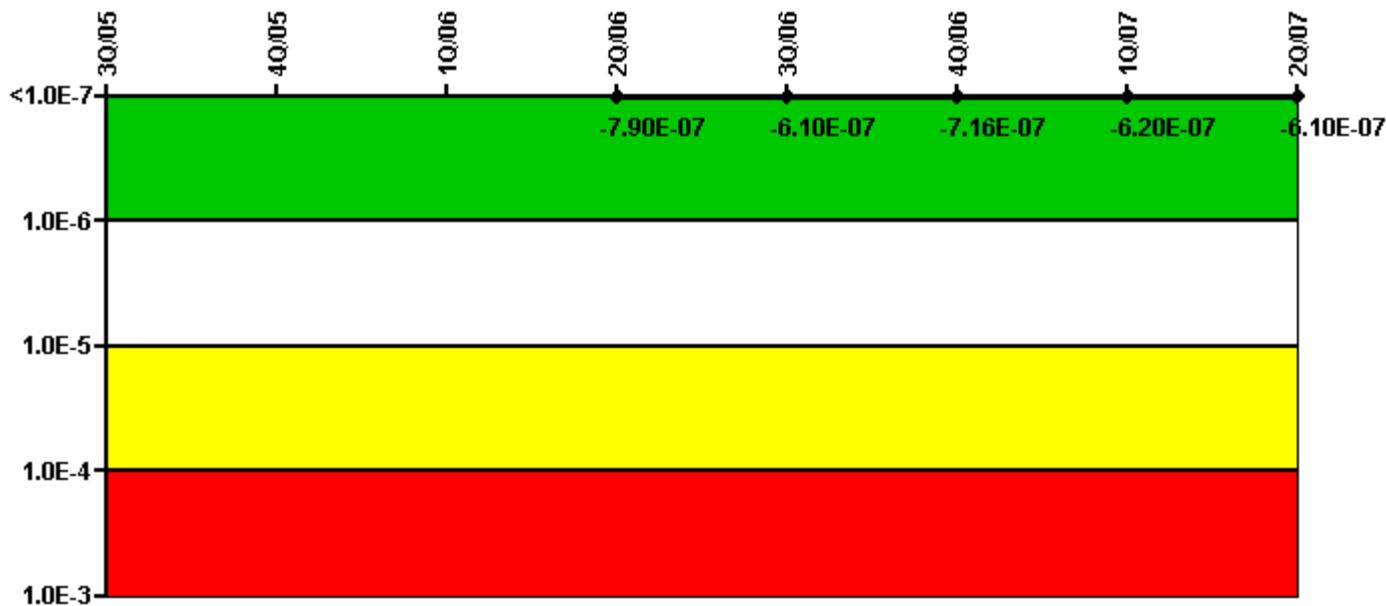
### Notes

Safety System Functional Failures (PWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
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



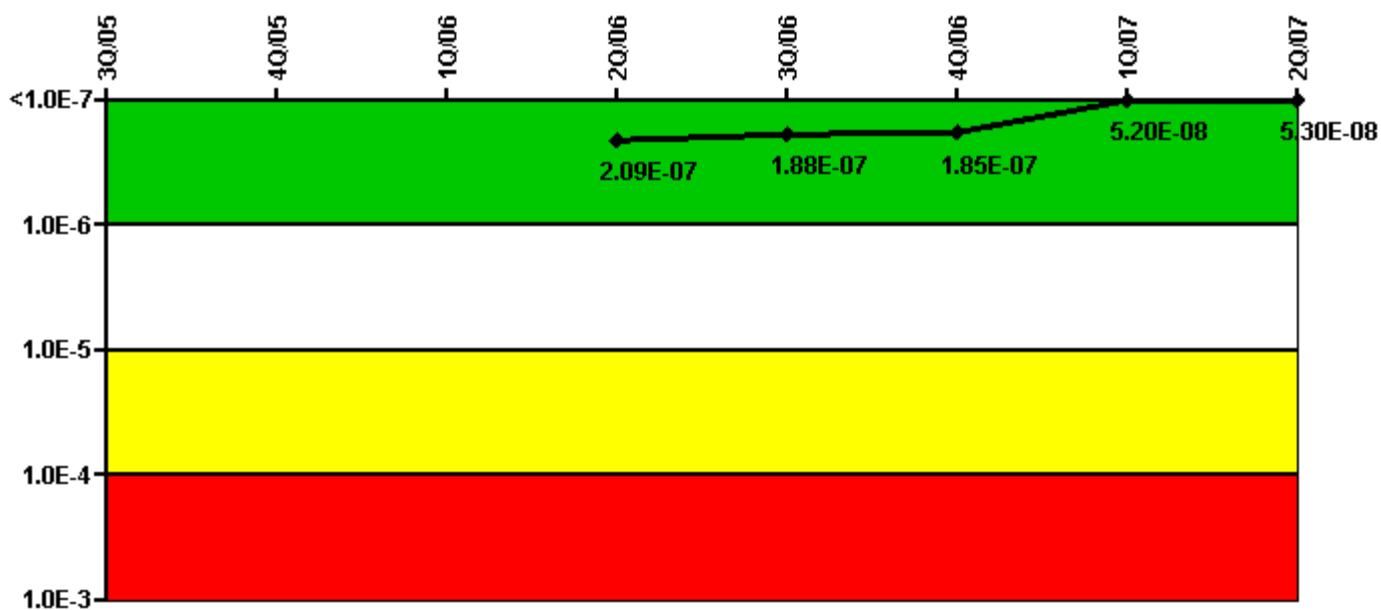
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				5.10E-07	2.00E-07	9.40E-08	1.90E-07	2.00E-07
URI ( $\Delta$ CDF)				-1.30E-06	-8.10E-07	-8.10E-07	-8.10E-07	-8.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-7.90E-07	-6.10E-07	-7.16E-07	-6.20E-07	-6.10E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



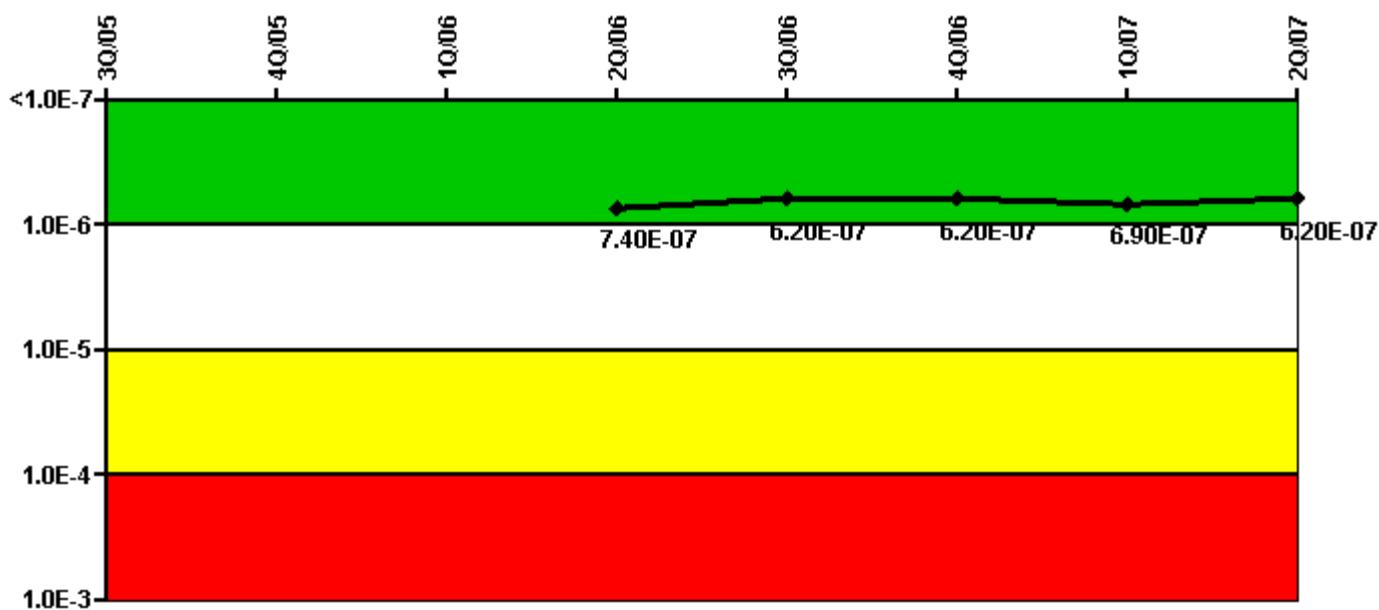
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				-4.10E-08	-2.20E-08	-2.50E-08	-2.50E-08	-2.40E-08
URI ( $\Delta$ CDF)				2.50E-07	2.10E-07	2.10E-07	7.70E-08	7.70E-08
PLE				NO	NO	NO	NO	NO
Indicator value				2.09E-07	1.88E-07	1.85E-07	5.20E-08	5.30E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



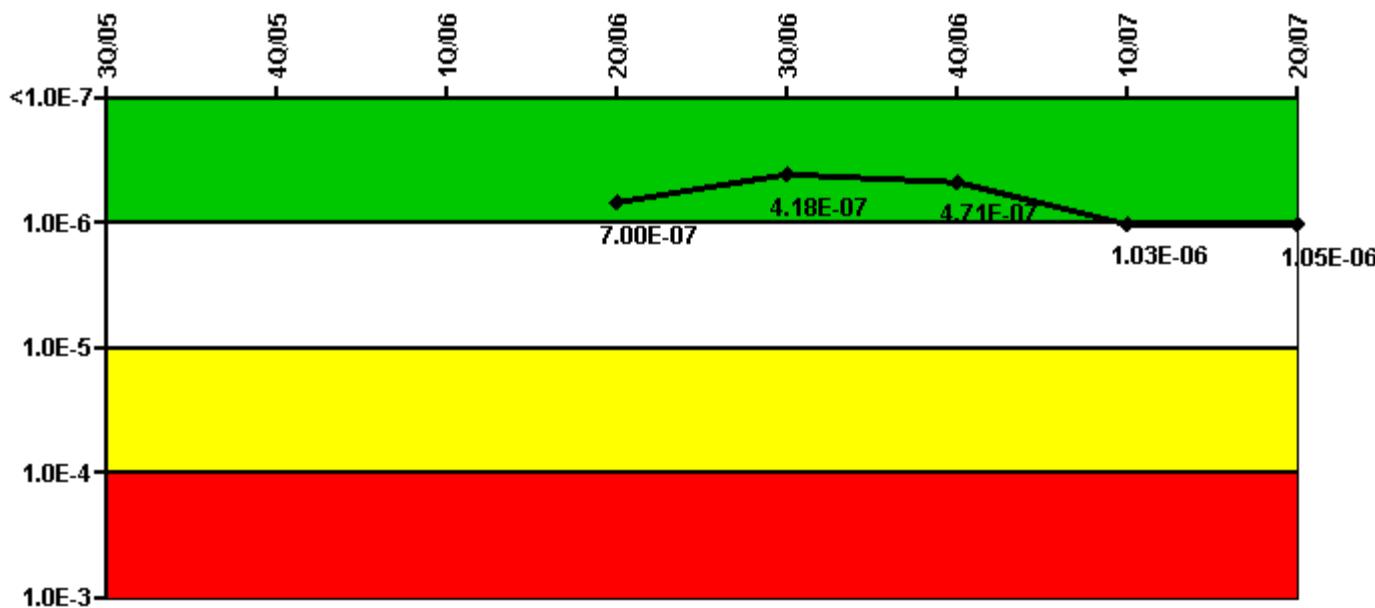
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				2.10E-07	1.60E-07	1.60E-07	2.30E-07	1.60E-07
URI ( $\Delta$ CDF)				5.30E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07
PLE				NO	NO	NO	NO	NO
Indicator value				<b>7.40E-07</b>	<b>6.20E-07</b>	<b>6.20E-07</b>	<b>6.90E-07</b>	<b>6.20E-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

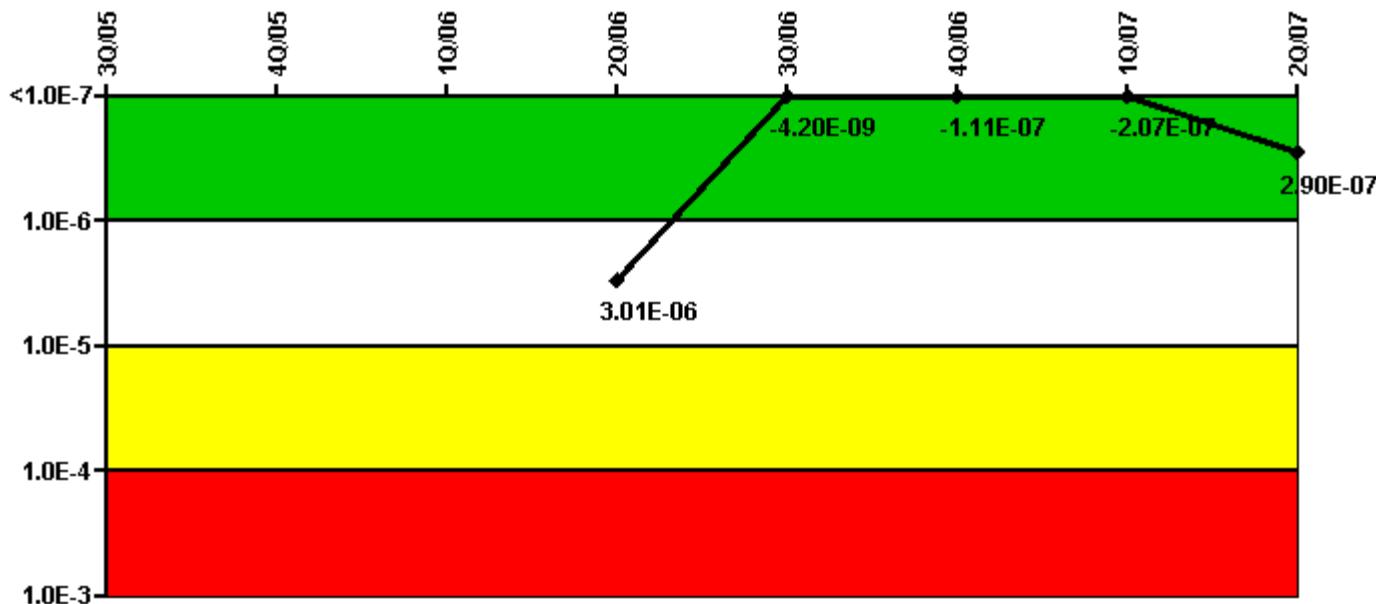
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				1.50E-07	8.10E-09	6.10E-08	1.20E-07	1.40E-07
URI ( $\Delta$ CDF)				5.50E-07	4.10E-07	4.10E-07	9.10E-07	9.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				7.00E-07	4.18E-07	4.71E-07	1.03E-06	1.05E-06

Licensee Comments:

2Q/07: Risk Cap Invoked. WHITE entry due to containment sump recirculation valve failure to open completely during routine surveillance testing. Opening control circuit modified.

## Mitigating Systems Performance Index, Cooling Water Systems



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

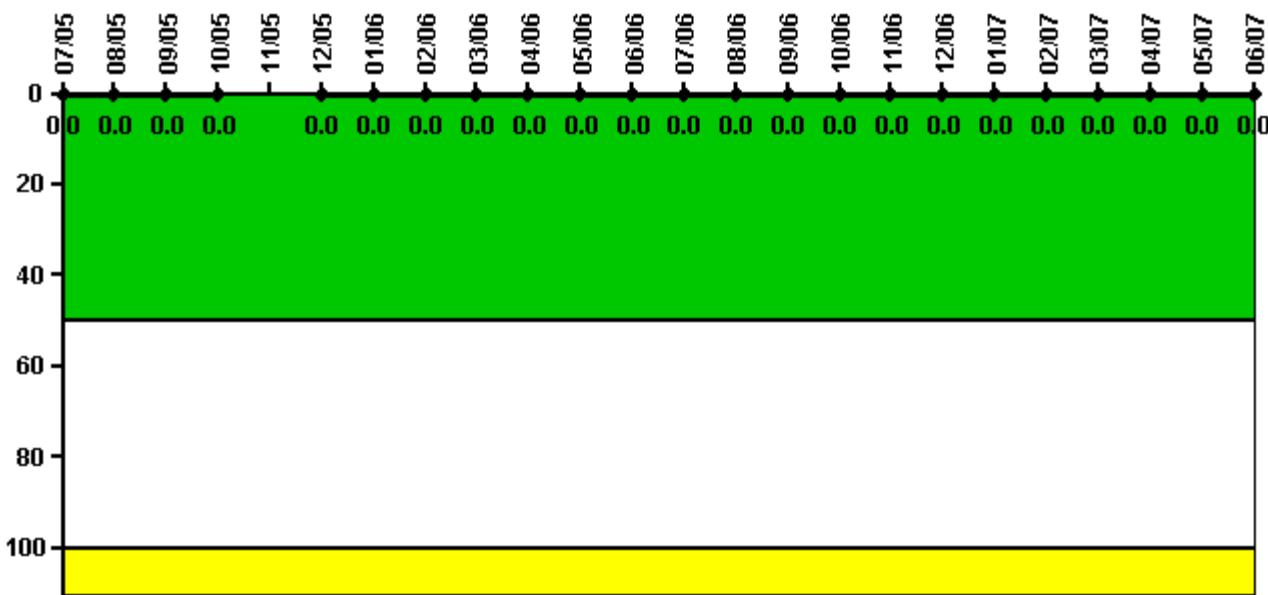
### Notes

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)				$1.00E-08$	$-2.70E-09$	$-8.00E-10$	$2.70E-09$	$-3.40E-10$
URI ( $\Delta$ CDF)				$3.00E-06$	$-1.50E-09$	$-1.10E-07$	$-2.10E-07$	$2.90E-07$
PLE				NO	NO	NO	NO	NO
Indicator value				$3.01E-06$	$-4.20E-09$	$-1.11E-07$	$-2.07E-07$	$2.90E-07$

Licensee Comments:

2Q/07: Risk Cap Invoked.

## Reactor Coolant System Activity



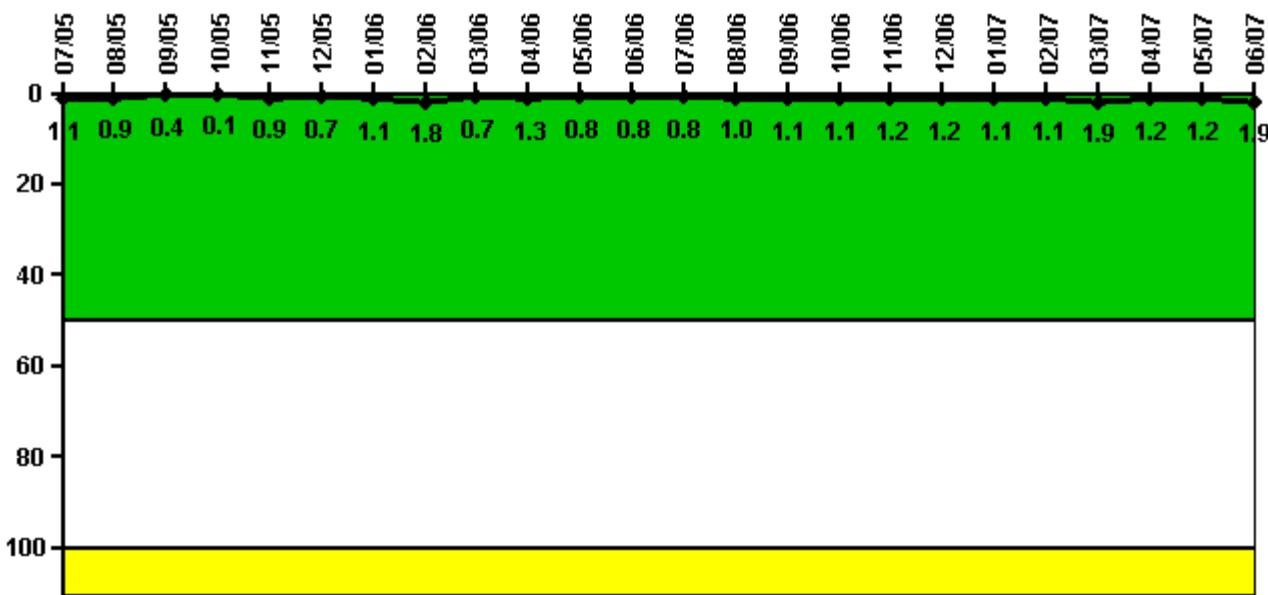
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000124	0.000137	0.000136	0.000111	N/A	0.000079	0.000081	0.000086	0.000090	0.000099	0.000098	0.000109
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	N/A	0	0	0	0	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	0.000093	0.000109	0.000102	0.000102	0.000111	0.000115	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



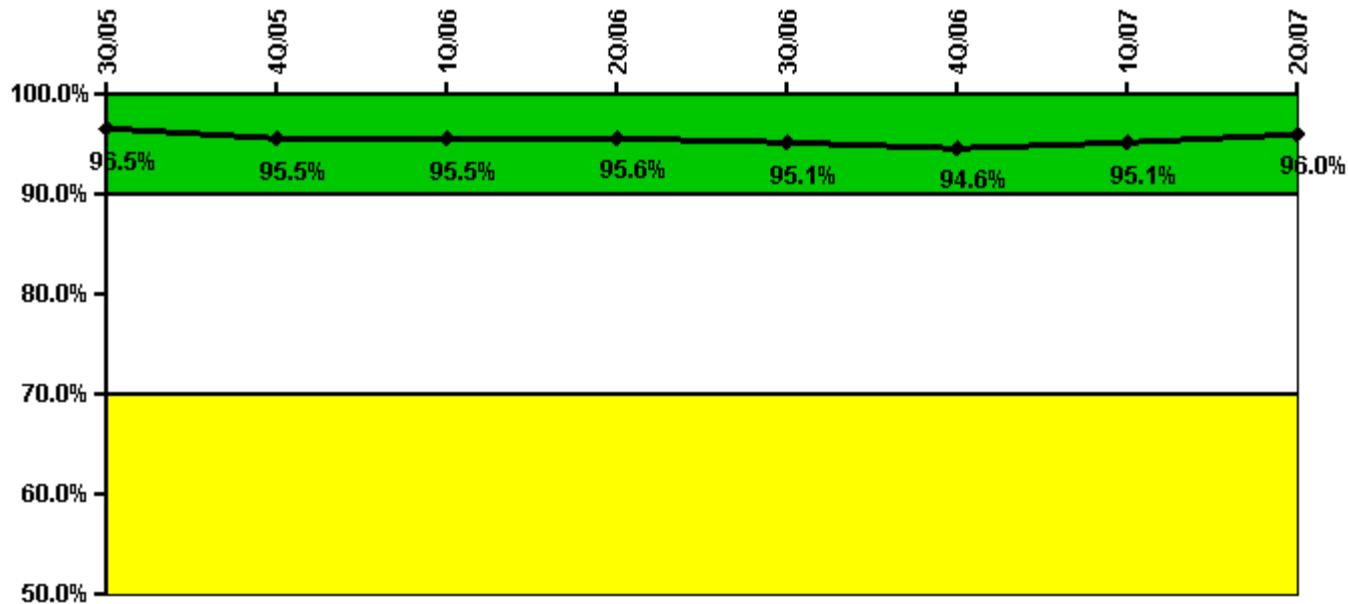
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.110	0.090	0.040	0.010	0.090	0.070	0.110	0.180	0.070	0.130	0.080	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.1</b>	<b>0.9</b>	<b>0.7</b>	<b>1.1</b>	<b>1.8</b>	<b>0.7</b>	<b>1.3</b>	<b>0.8</b>	<b>0.8</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	0.080	0.100	0.110	0.110	0.120	0.120	0.110	0.110	0.190	0.120	0.120	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.8</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.1</b>	<b>1.9</b>	<b>1.2</b>	<b>1.2</b>	<b>1.9</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

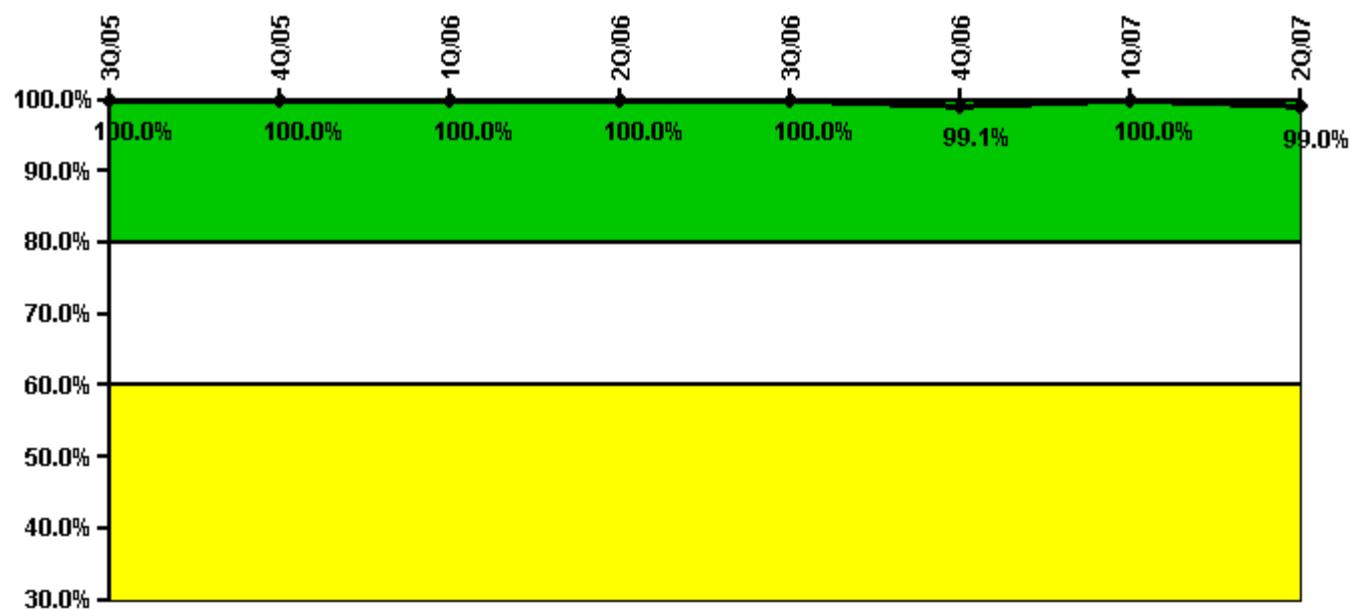
### Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	59.0	2.0	0	6.0	65.0	46.0	28.0	8.0
Total opportunities	60.0	2.0	0	6.0	69.0	50.0	28.0	8.0
Indicator value	<b>96.5%</b>	<b>95.5%</b>	<b>95.5%</b>	<b>95.6%</b>	<b>95.1%</b>	<b>94.6%</b>	<b>95.1%</b>	<b>96.0%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

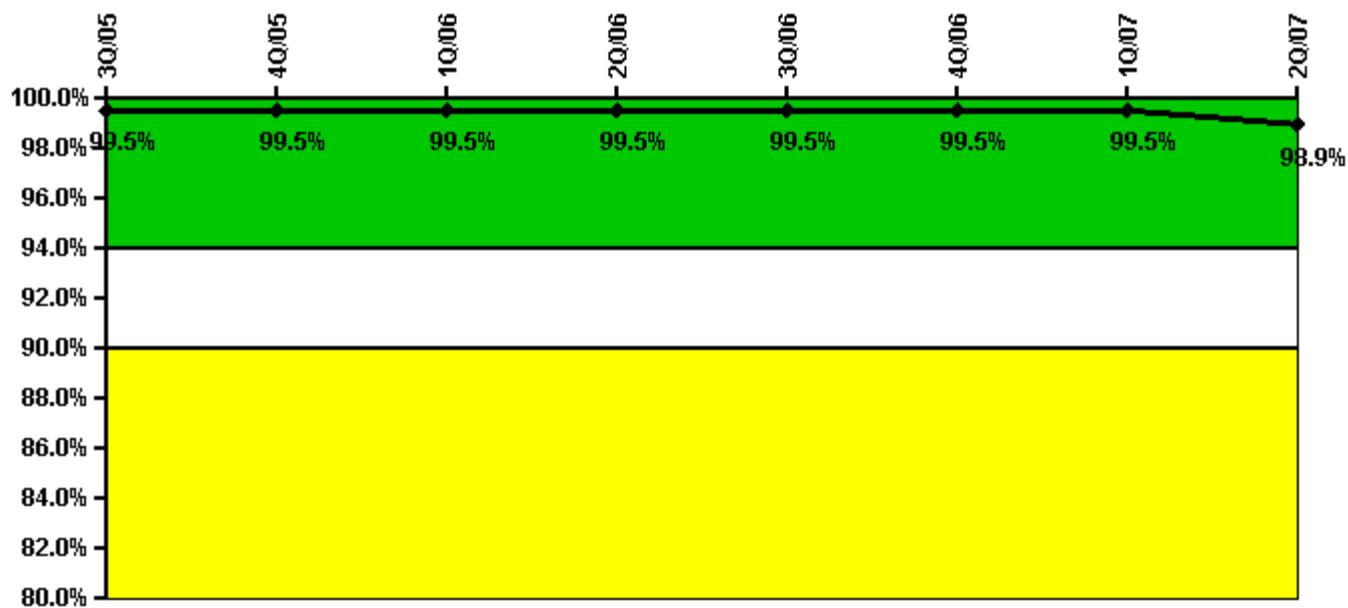
### Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	106.0	102.0	105.0	106.0	104.0	105.0	109.0	101.0
Total Key personnel	106.0	102.0	105.0	106.0	104.0	106.0	109.0	102.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	100.0%	99.0%

Licensee Comments: none

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## Alert & Notification System



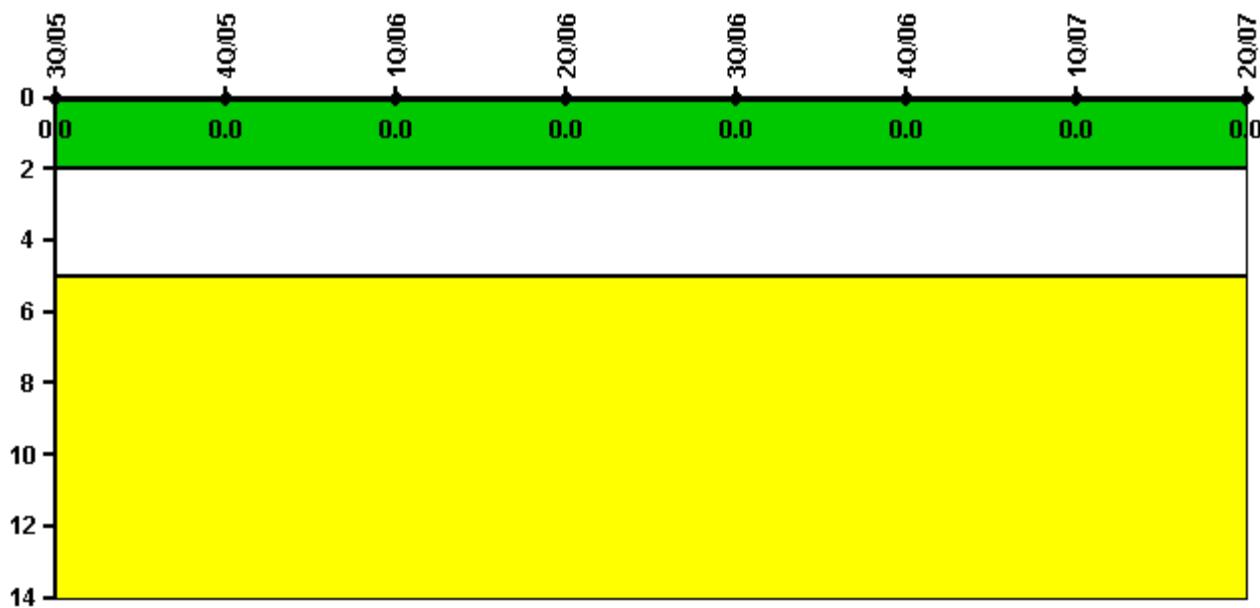
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	47	48	48	48	44	48	48	47
Total sirens-tests	48	48	48	48	45	48	48	48
Indicator value	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	98.9%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



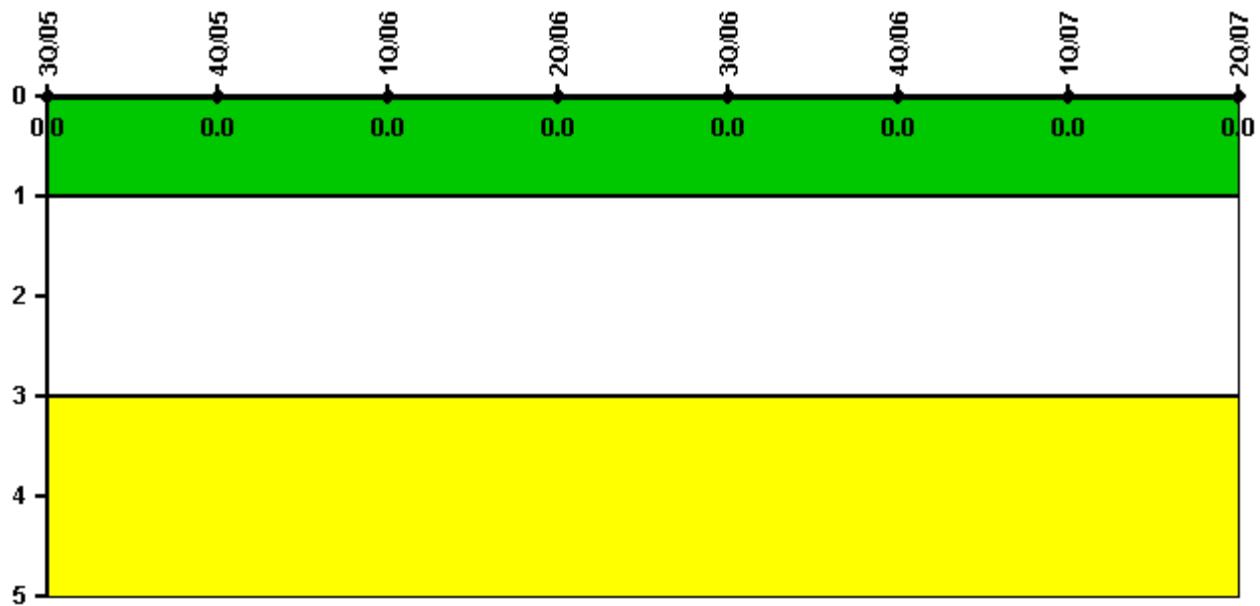
Thresholds: White > 2.0 Yellow > 5.0

### 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.

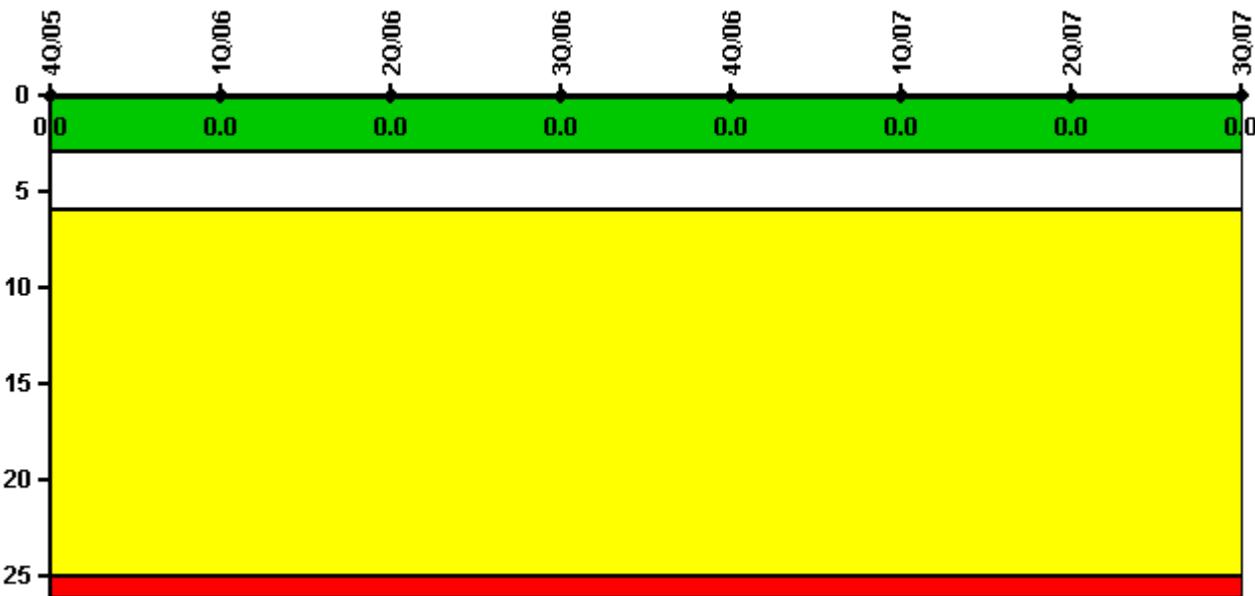
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# Farley 2

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



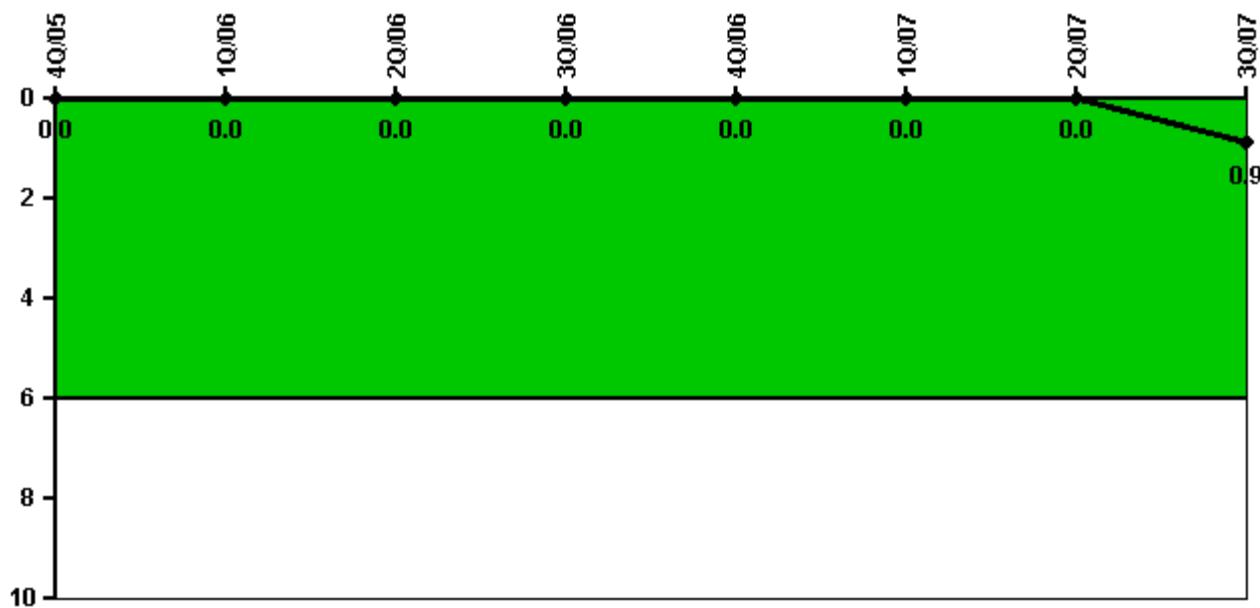
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	0	0	0	0
Critical hours	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



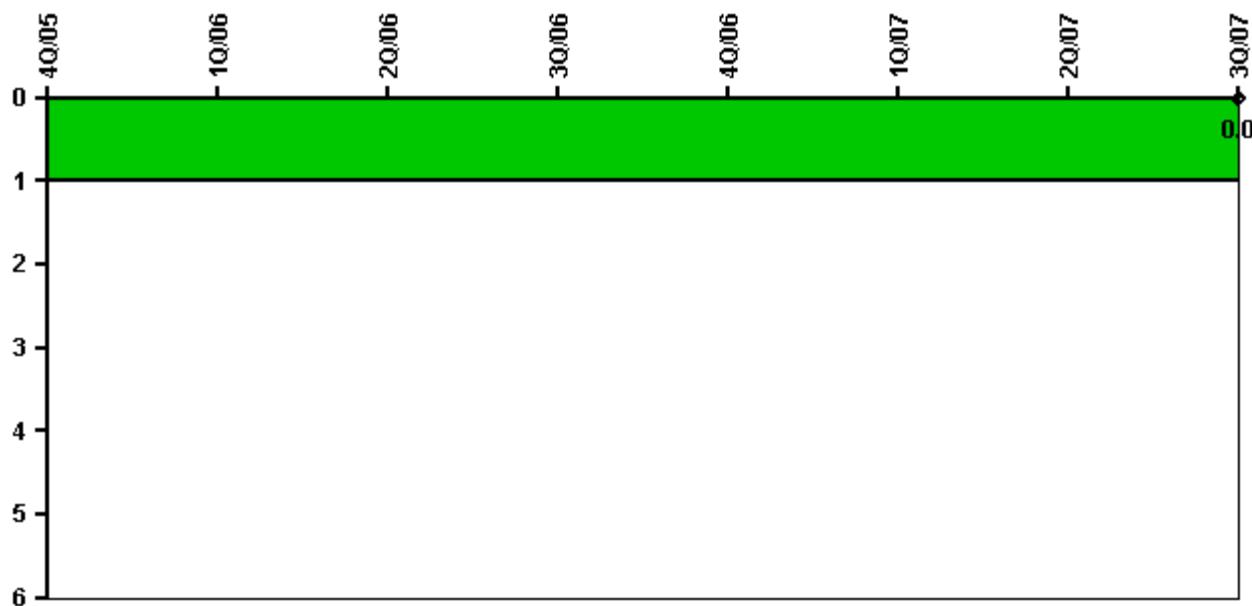
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1064.2	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0
Indicator value	<b>0</b>	<b>0.9</b>						

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

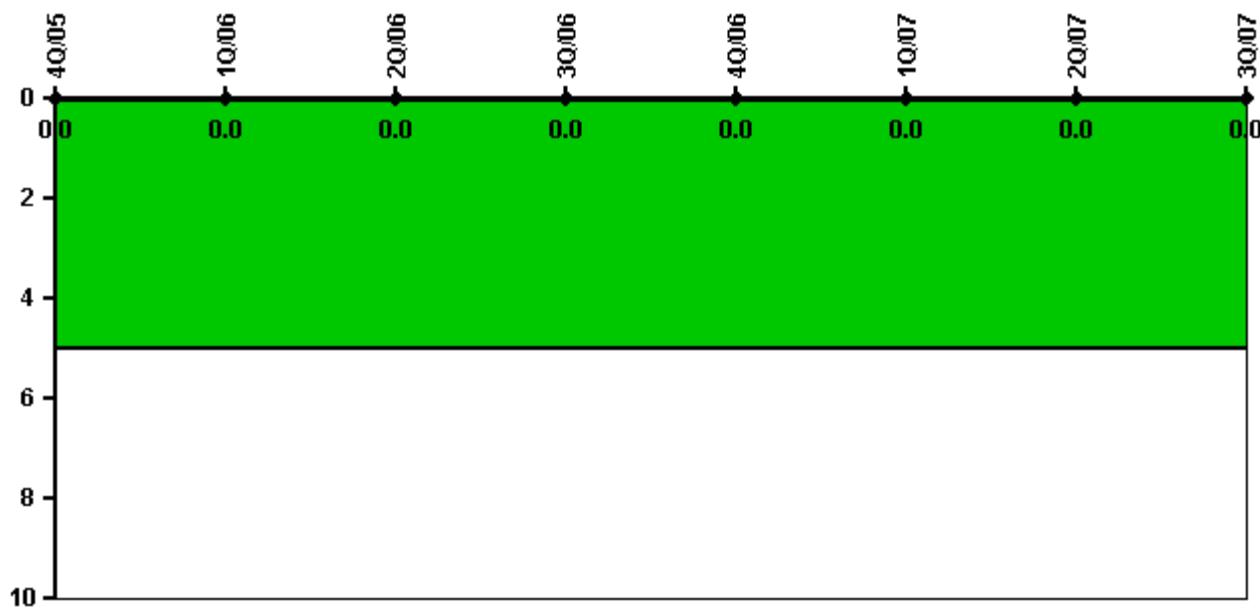
### Notes

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								0.0

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

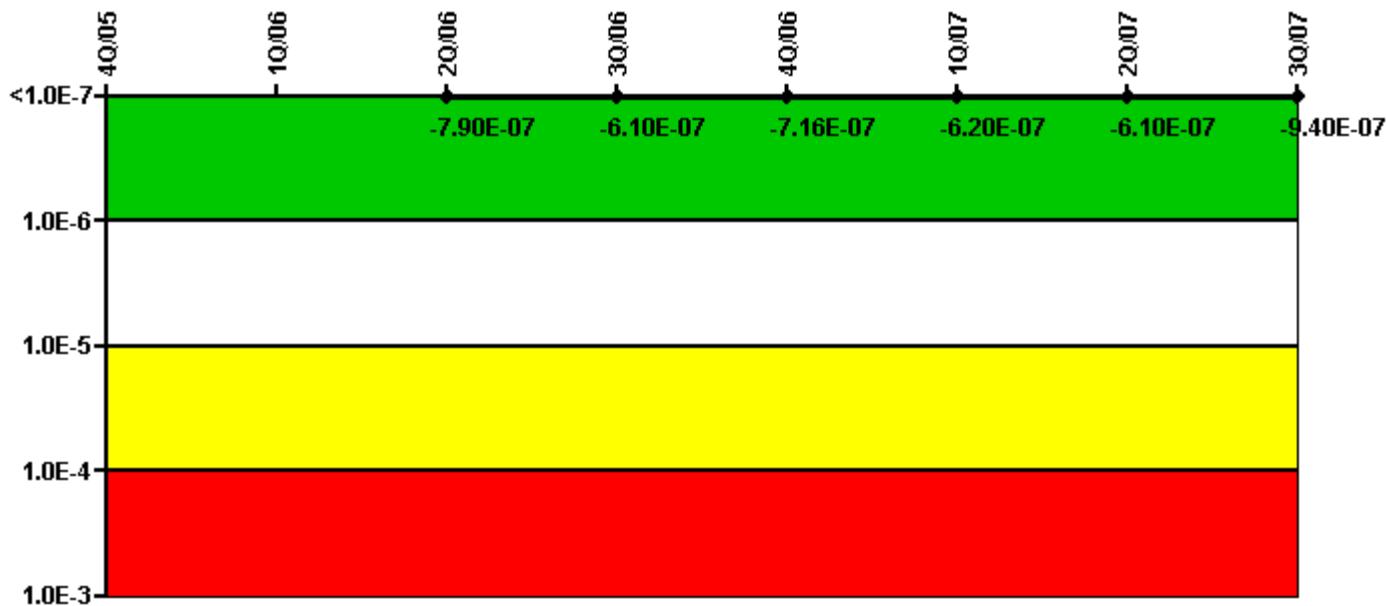
### Notes

Safety System Functional Failures (PWR)	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	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



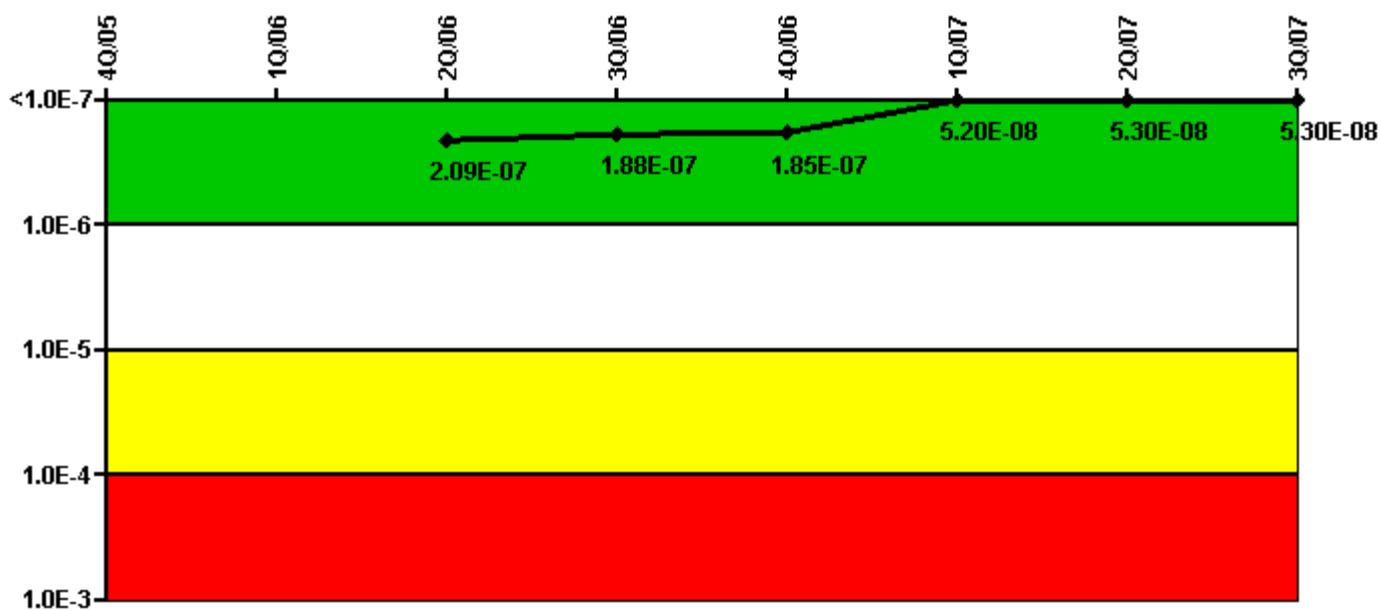
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	
UAI (ΔCDF)				5.10E-07	2.00E-07	9.40E-08	1.90E-07	2.00E-07	1.60E-07
URI (ΔCDF)				-1.30E-06	-8.10E-07	-8.10E-07	-8.10E-07	-8.10E-07	-1.10E-06
PLE				NO	NO	NO	NO	NO	NO
Indicator value				-7.90E-07	-6.10E-07	-7.16E-07	-6.20E-07	-6.10E-07	-9.40E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



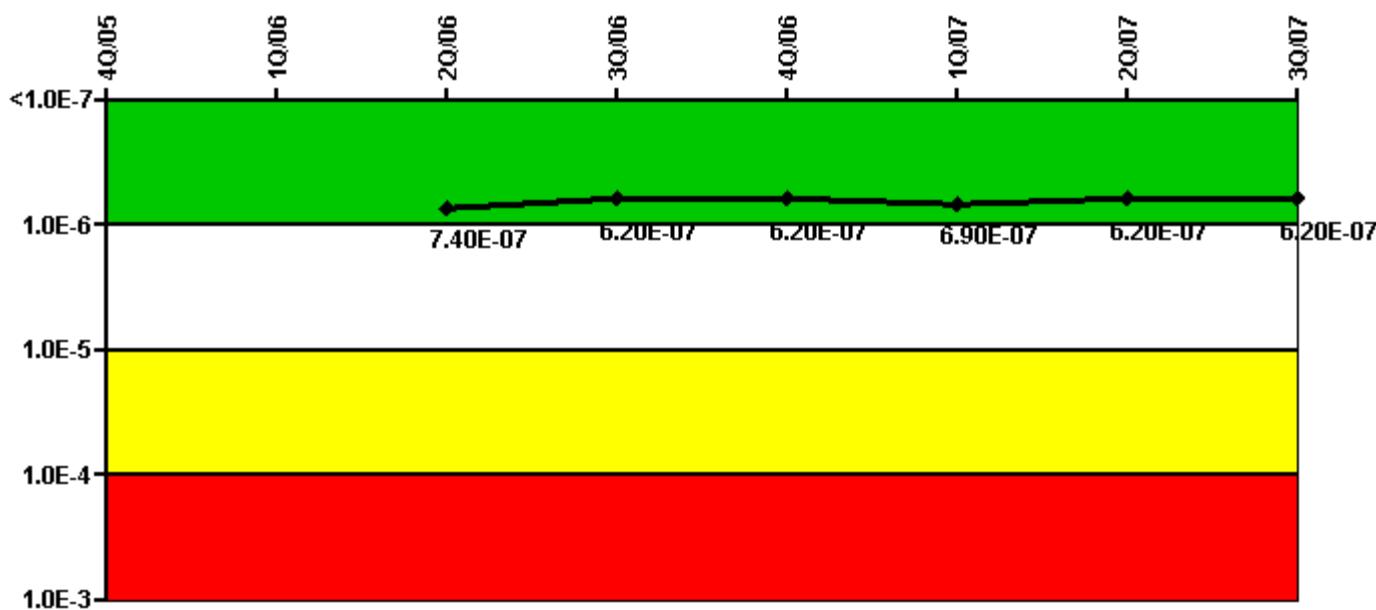
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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 ( $\Delta$ CDF)				-4.10E-08	-2.20E-08	-2.50E-08	-2.50E-08	-2.40E-08
URI ( $\Delta$ CDF)				2.50E-07	2.10E-07	2.10E-07	7.70E-08	7.70E-08
PLE				NO	NO	NO	NO	NO
Indicator value				2.09E-07	1.88E-07	1.85E-07	5.20E-08	5.30E-08

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



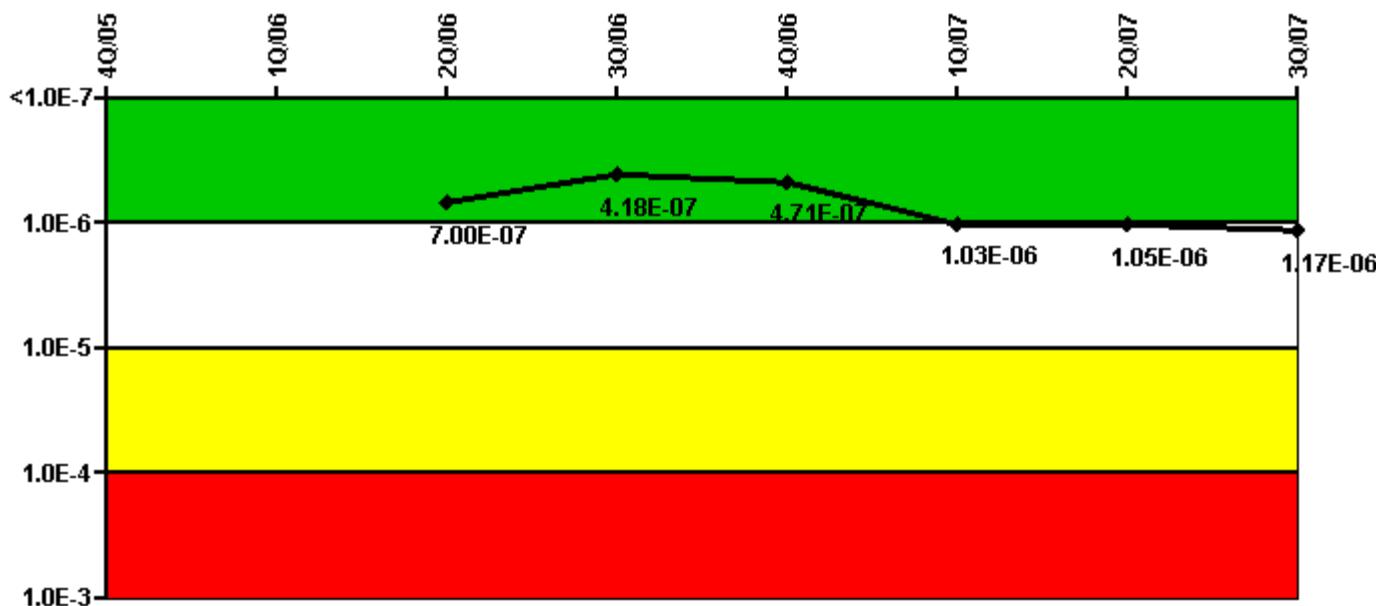
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			2.10E-07	1.60E-07	1.60E-07	2.30E-07	1.60E-07	1.60E-07
URI ( $\Delta$ CDF)			5.30E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			7.40E-07	6.20E-07	6.20E-07	6.90E-07	6.20E-07	6.20E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

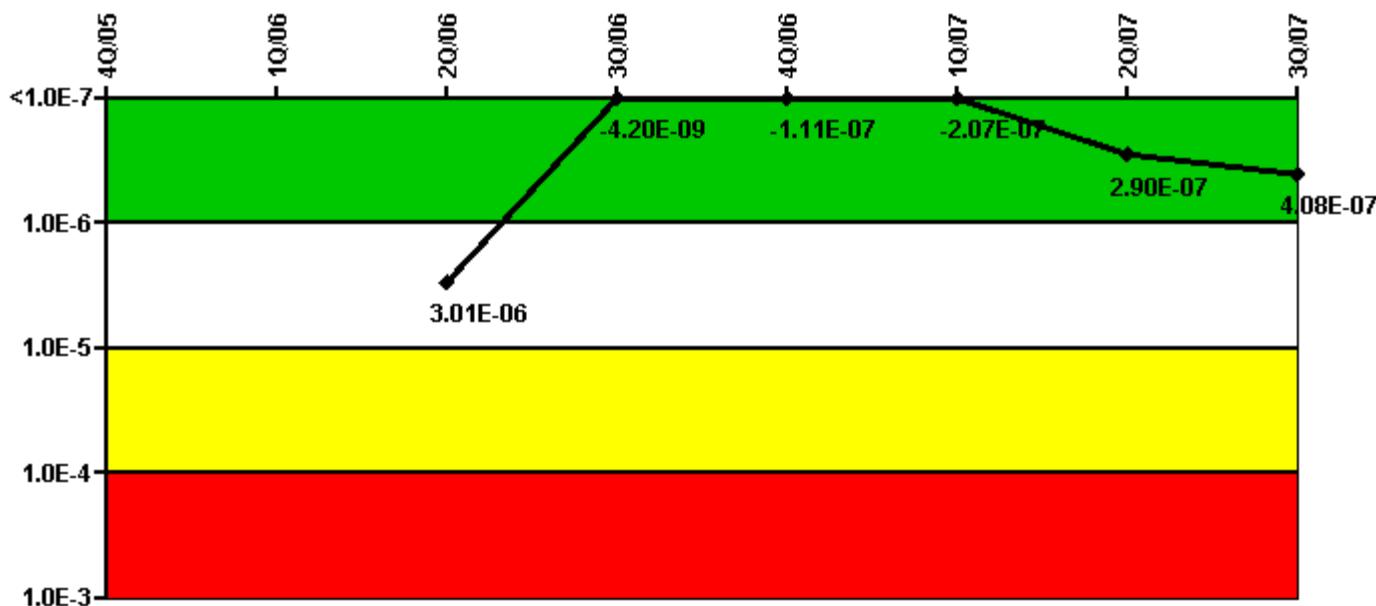
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.50E-07	8.10E-09	6.10E-08	1.20E-07	1.40E-07	2.60E-07
URI (ΔCDF)			5.50E-07	4.10E-07	4.10E-07	9.10E-07	9.10E-07	9.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			7.00E-07	4.18E-07	4.71E-07	1.03E-06	1.05E-06	1.17E-06

Licensee Comments:

3Q/07: Risk Cap Invoked. WHITE entry due to containment sump recirculation valve failure to open completely during routine surveillance testing. Opening control circuit modified.

## Mitigating Systems Performance Index, Cooling Water Systems



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

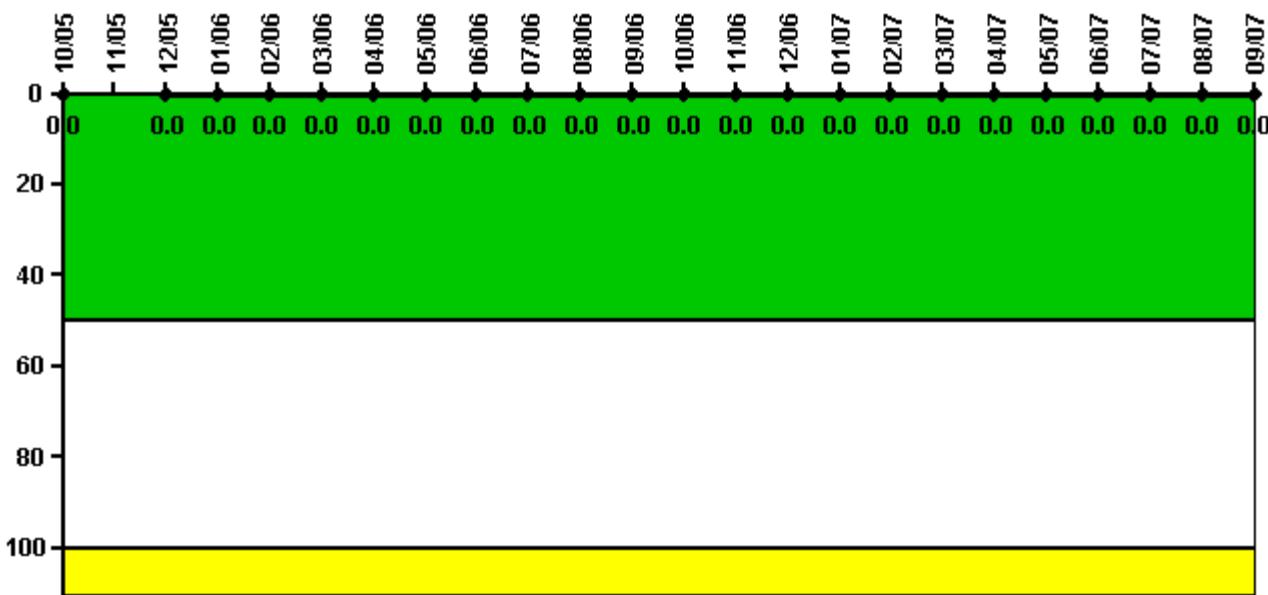
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	
UAI ( $\Delta$ CDF)				1.00E-08	-2.70E-09	-8.00E-10	2.70E-09	-3.40E-10	1.80E-08
URI ( $\Delta$ CDF)				3.00E-06	-1.50E-09	-1.10E-07	-2.10E-07	2.90E-07	3.90E-07
PLE				NO	NO	NO	NO	NO	NO
Indicator value				3.01E-06	-4.20E-09	-1.11E-07	-2.07E-07	2.90E-07	4.08E-07

Licensee Comments:

3Q/07: Risk Cap Invoked.

## Reactor Coolant System Activity



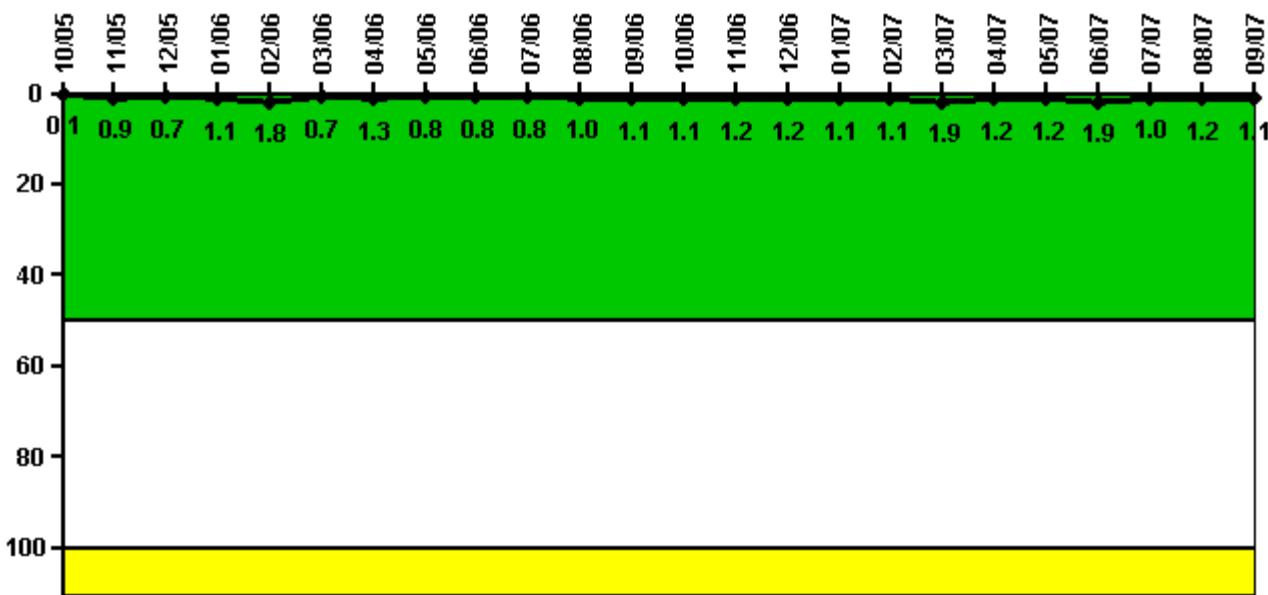
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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		0.000111	N/A	0.000079	0.000081	0.000086	0.000090	0.000099	0.000098	0.000109	0.000093	0.000109	0.000102
Technical specification limit		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value		0	N/A	0	0	0	0	0	0	0	0	0	0
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		0.000102	0.000111	0.000115	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055	0.000041	0.000061	0.000064
Technical specification limit		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value		0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



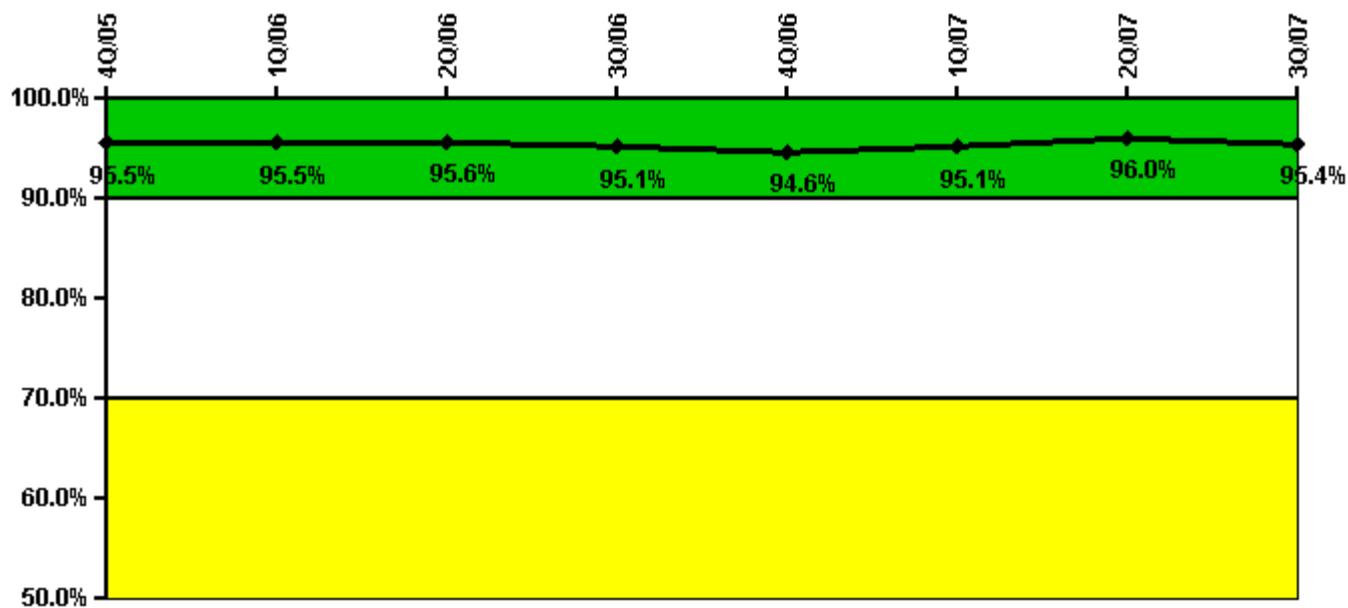
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.010	0.090	0.070	0.110	0.180	0.070	0.130	0.080	0.080	0.080	0.100	0.110
Indicator value	0.1	0.9	0.7	1.1	1.8	0.7	1.3	0.8	0.8	0.8	1.0	1.1
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	0.110	0.120	0.120	0.110	0.110	0.190	0.120	0.120	0.190	0.100	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.2	1.2	1.1	1.1	1.9	1.2	1.2	1.9	1.0	1.2	1.1

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

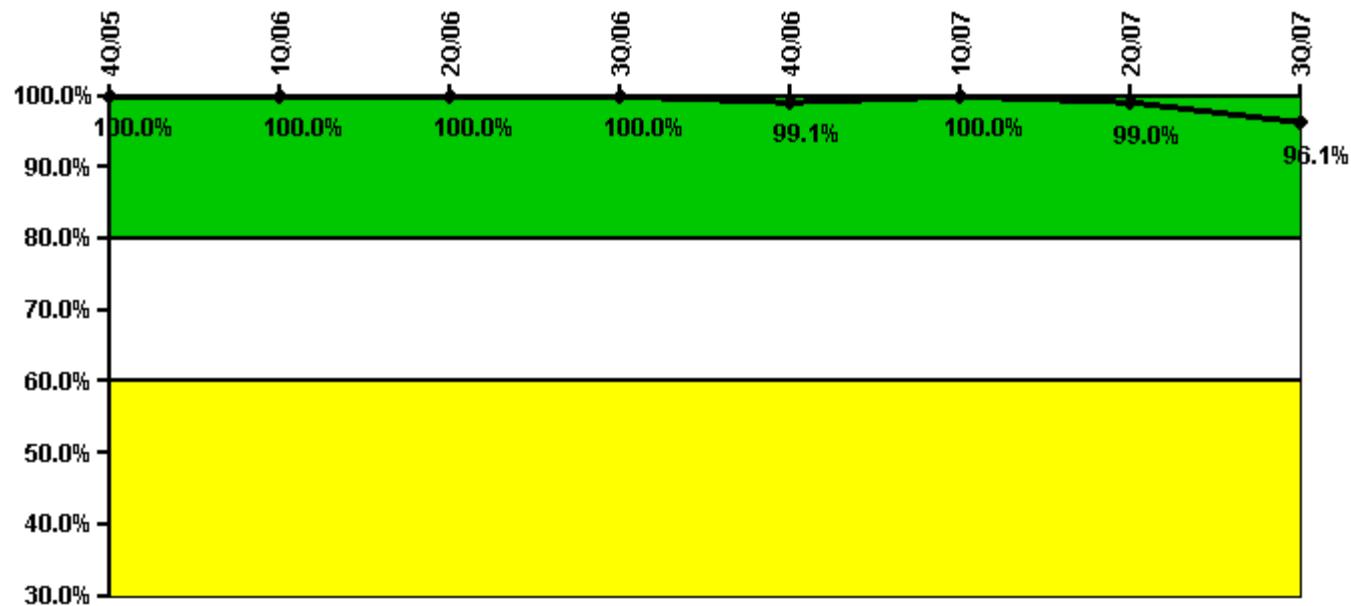
### Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	2.0	0	6.0	65.0	46.0	28.0	8.0	12.0
Total opportunities	2.0	0	6.0	69.0	50.0	28.0	8.0	12.0
Indicator value	<b>95.5%</b>	<b>95.5%</b>	<b>95.6%</b>	<b>95.1%</b>	<b>94.6%</b>	<b>95.1%</b>	<b>96.0%</b>	<b>95.4%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

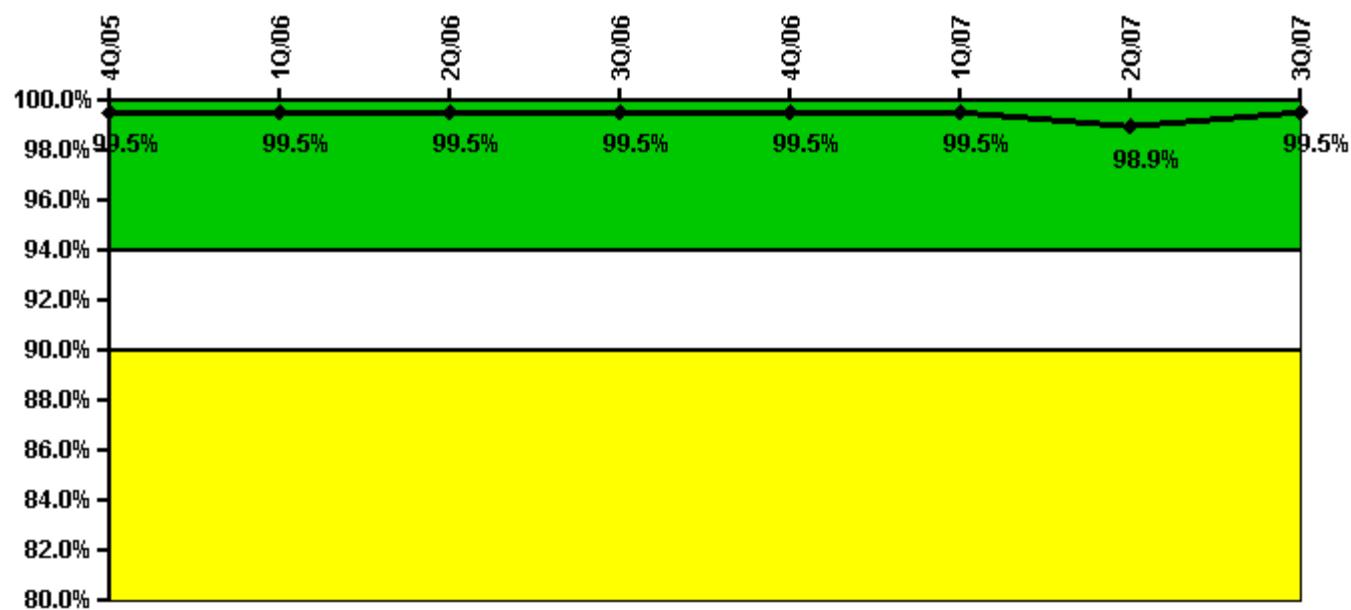
### Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	102.0	105.0	106.0	104.0	105.0	109.0	101.0	99.0
Total Key personnel	102.0	105.0	106.0	104.0	106.0	109.0	102.0	103.0
Indicator value	100.0%	100.0%	100.0%	100.0%	99.1%	100.0%	99.0%	96.1%

Licensee Comments: none

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## Alert & Notification System



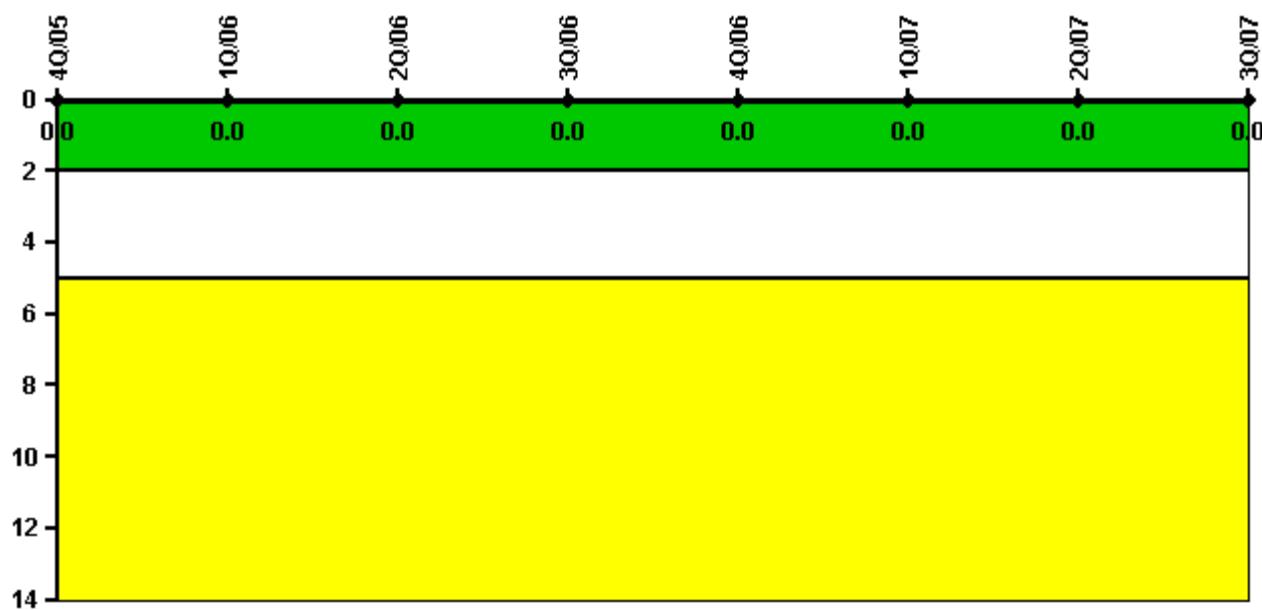
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	48	48	48	44	48	48	47	45
Total sirens-tests	48	48	48	45	48	48	48	45
Indicator value	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	98.9%	99.5%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



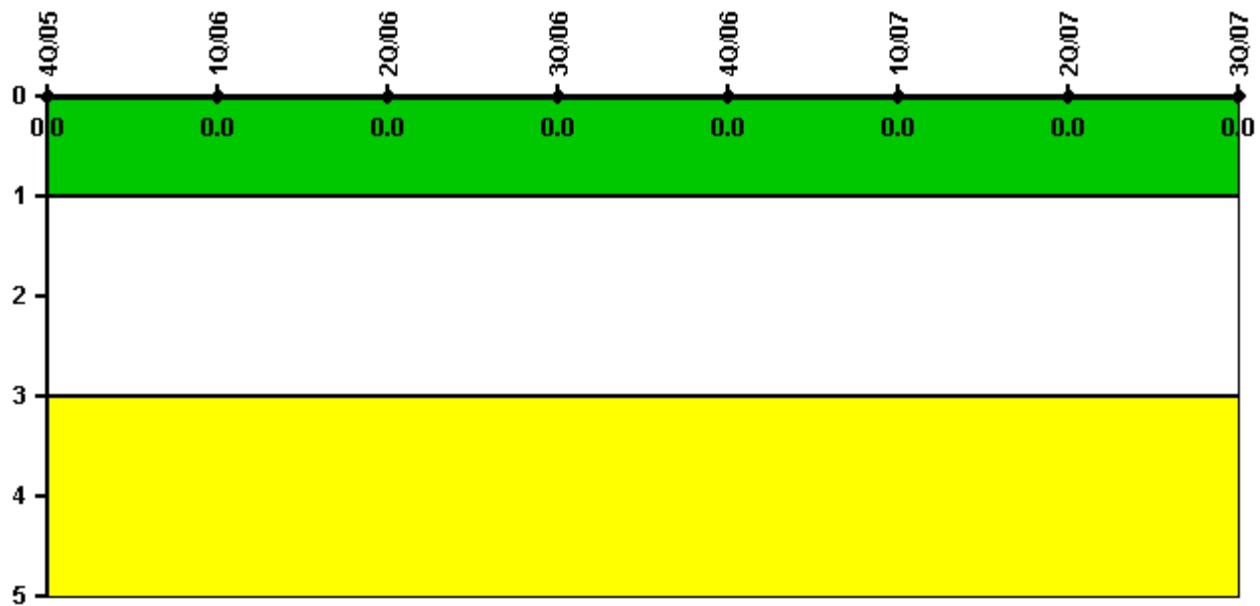
Thresholds: White > 2.0 Yellow > 5.0

### 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.

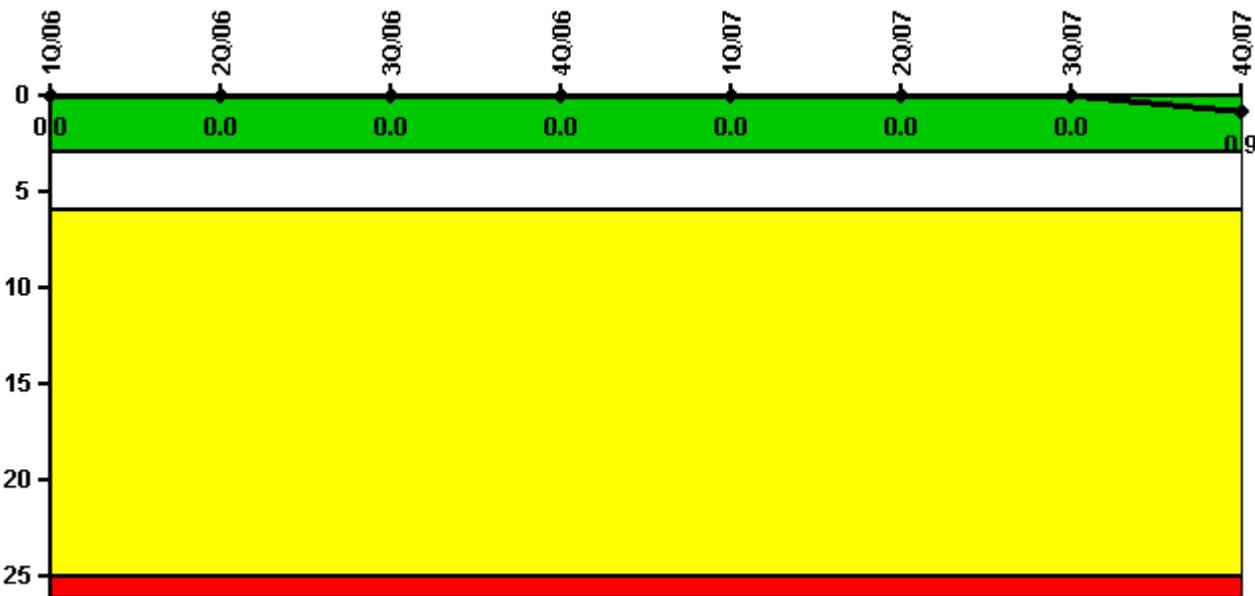
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# Farley 2

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



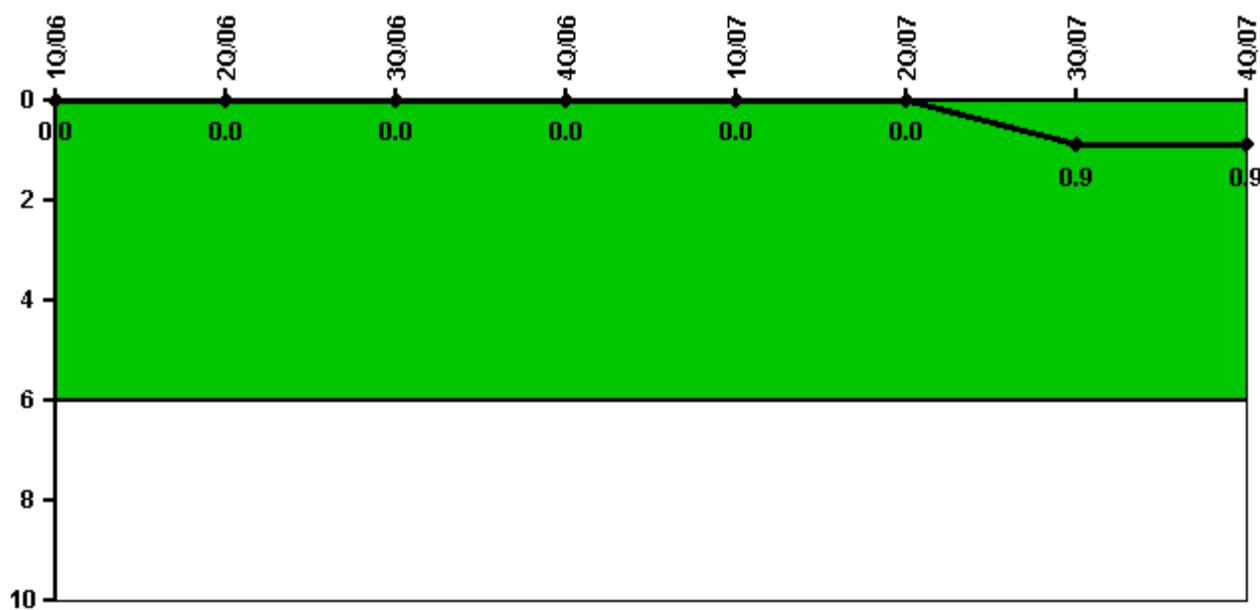
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



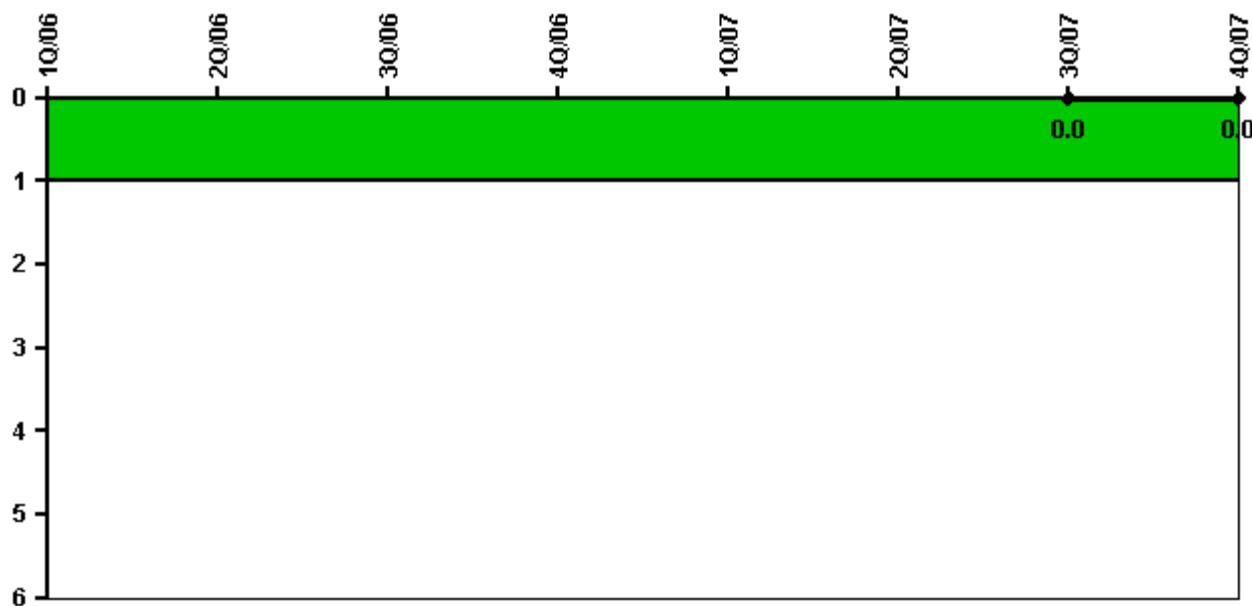
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0
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>0.9</b>

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

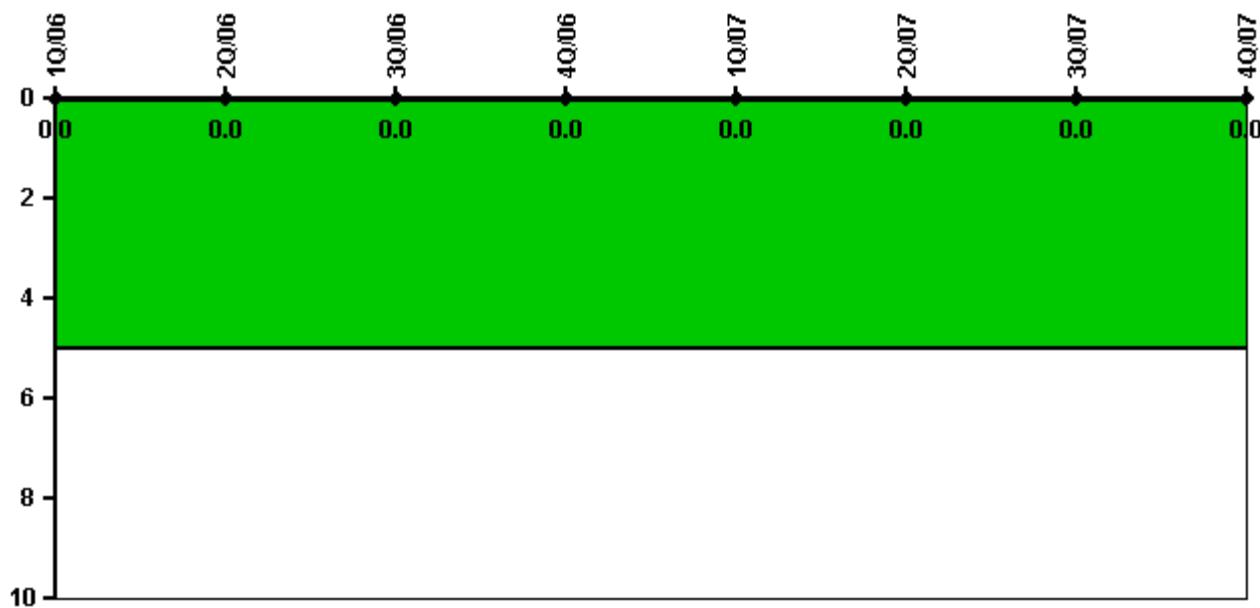
### Notes

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 (PWR)



Thresholds: White > 5.0

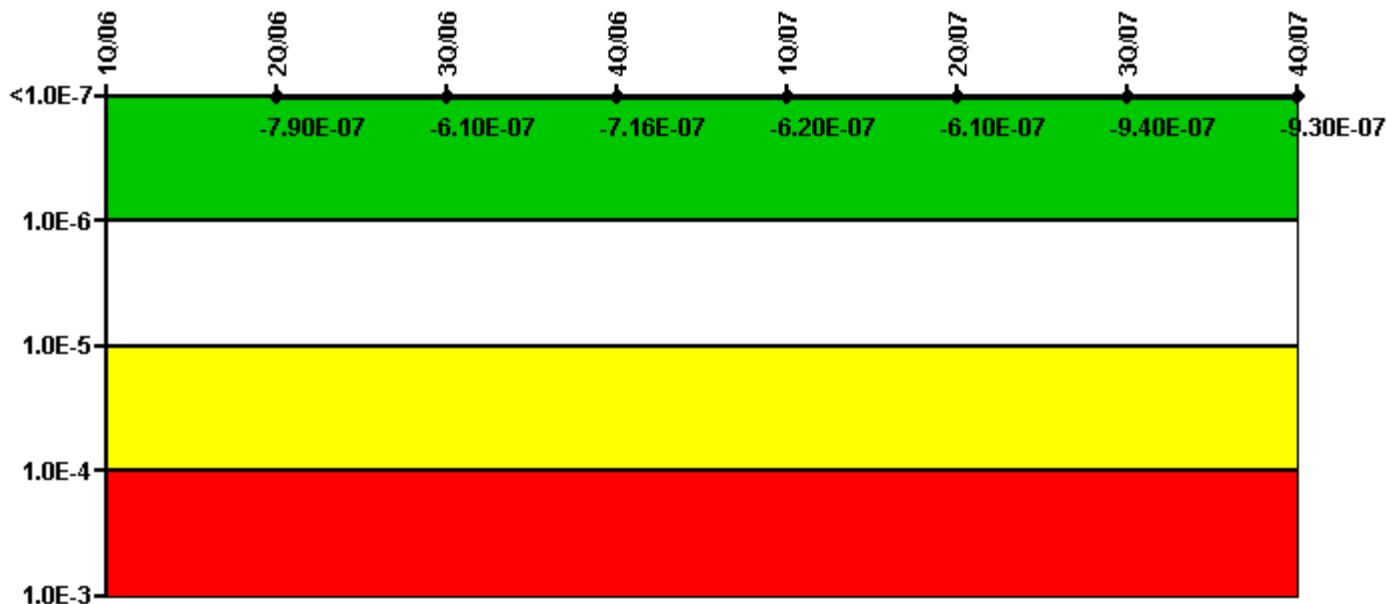
### Notes

Safety System Functional Failures (PWR)	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	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



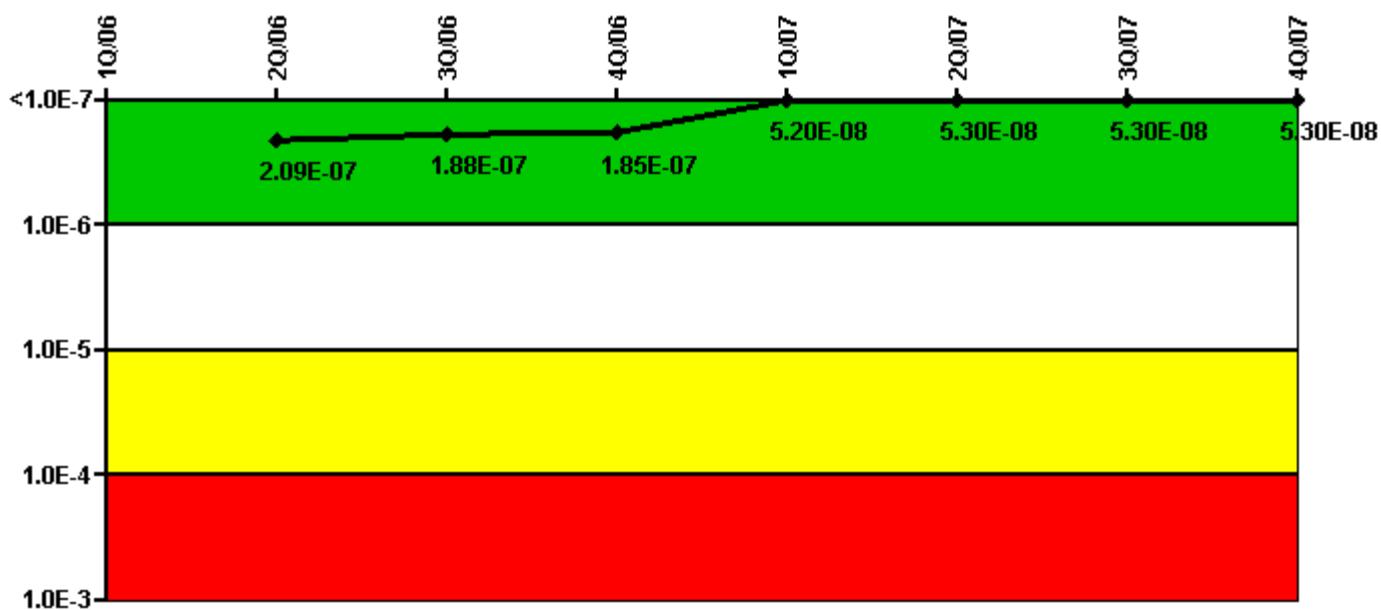
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		5.10E-07	2.00E-07	9.40E-08	1.90E-07	2.00E-07	1.60E-07	1.70E-07
URI ( $\Delta$ CDF)		-1.30E-06	-8.10E-07	-8.10E-07	-8.10E-07	-8.10E-07	-1.10E-06	-1.10E-06
PLE		NO						
Indicator value		<b>-7.90E-07</b>	<b>-6.10E-07</b>	<b>-7.16E-07</b>	<b>-6.20E-07</b>	<b>-6.10E-07</b>	<b>-9.40E-07</b>	<b>-9.30E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



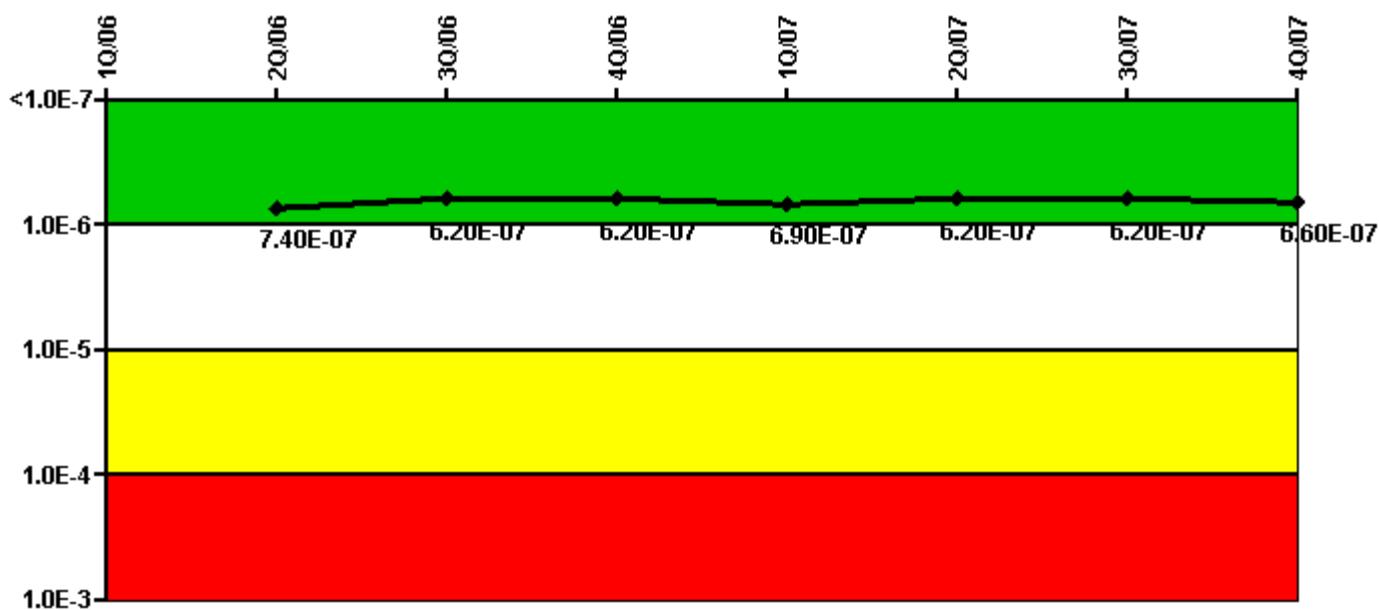
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)		-4.10E-08	-2.20E-08	-2.50E-08	-2.50E-08	-2.40E-08	-2.40E-08	-2.40E-08
URI ( $\Delta$ CDF)		2.50E-07	2.10E-07	2.10E-07	7.70E-08	7.70E-08	7.70E-08	7.70E-08
PLE		NO						
Indicator value		<b>2.09E-07</b>	<b>1.88E-07</b>	<b>1.85E-07</b>	<b>5.20E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



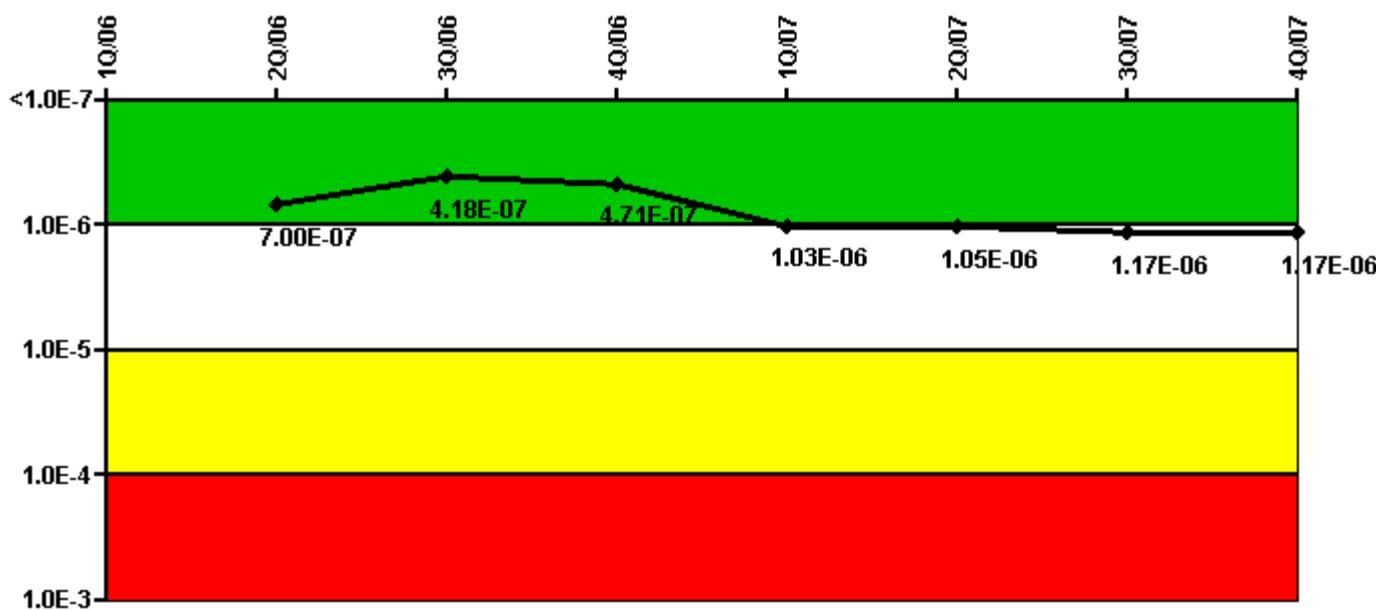
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		2.10E-07	1.60E-07	1.60E-07	2.30E-07	1.60E-07	1.60E-07	2.10E-07
URI ( $\Delta$ CDF)		5.30E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.50E-07
PLE		NO						
Indicator value		<b>7.40E-07</b>	<b>6.20E-07</b>	<b>6.20E-07</b>	<b>6.90E-07</b>	<b>6.20E-07</b>	<b>6.20E-07</b>	<b>6.60E-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

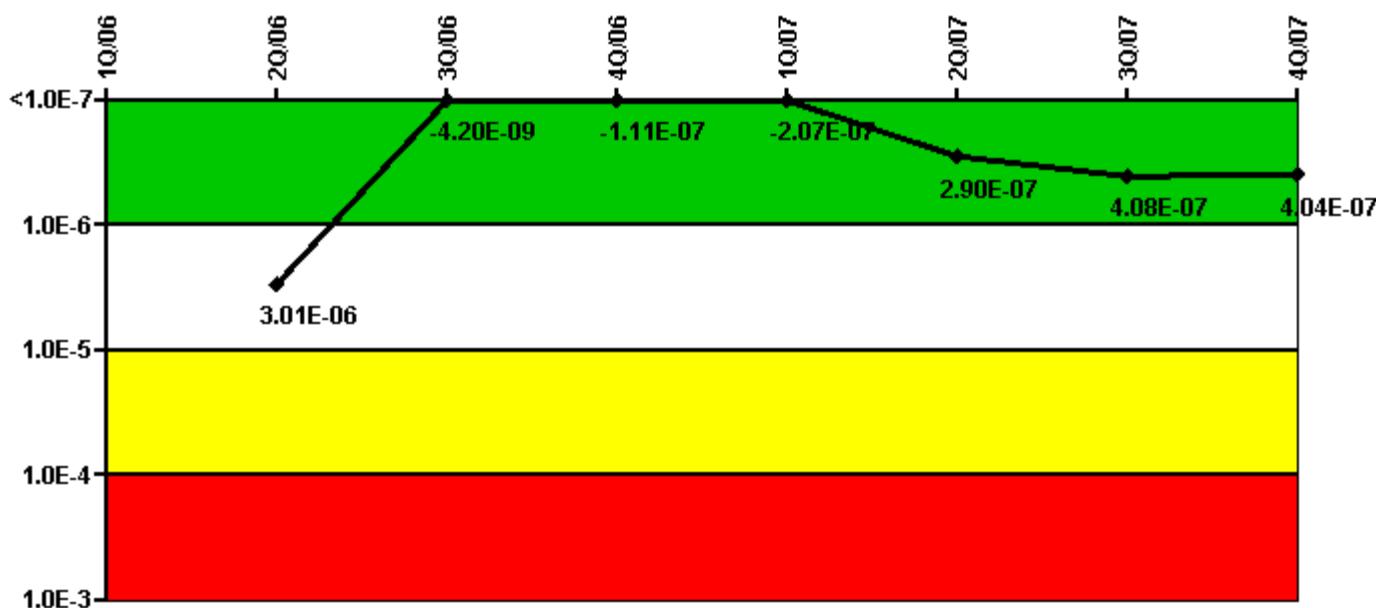
### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		1.50E-07	8.10E-09	6.10E-08	1.20E-07	1.40E-07	2.60E-07	2.60E-07
URI ( $\Delta$ CDF)		5.50E-07	4.10E-07	4.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07
PLE		NO						
Indicator value		7.00E-07	4.18E-07	4.71E-07	1.03E-06	1.05E-06	1.17E-06	1.17E-06

Licensee Comments:

4Q/07: Risk Cap Invoked.

## Mitigating Systems Performance Index, Cooling Water Systems



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

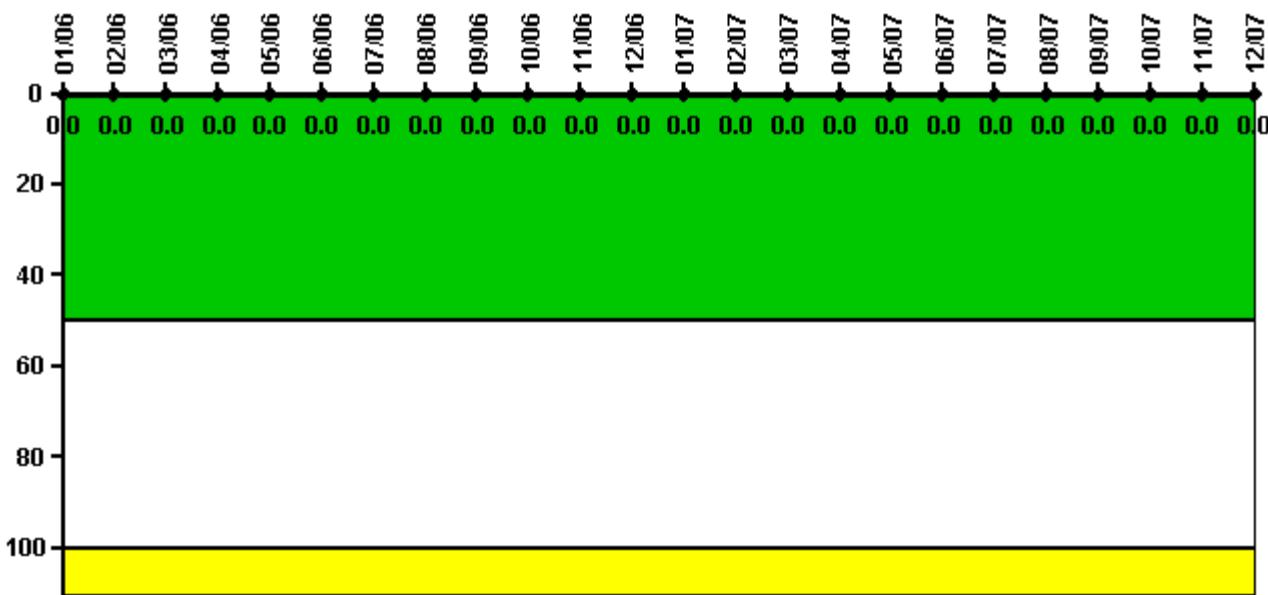
### Notes

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)		1.00E-08	-2.70E-09	-8.00E-10	2.70E-09	-3.40E-10	1.80E-08	1.40E-08
URI ( $\Delta$ CDF)		3.00E-06	-1.50E-09	-1.10E-07	-2.10E-07	2.90E-07	3.90E-07	3.90E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		<b>3.01E-06</b>	<b>-4.20E-09</b>	<b>-1.11E-07</b>	<b>-2.07E-07</b>	<b>2.90E-07</b>	<b>4.08E-07</b>	<b>4.04E-07</b>

Licensee Comments:

4Q/07: Risk Cap Invoked.

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

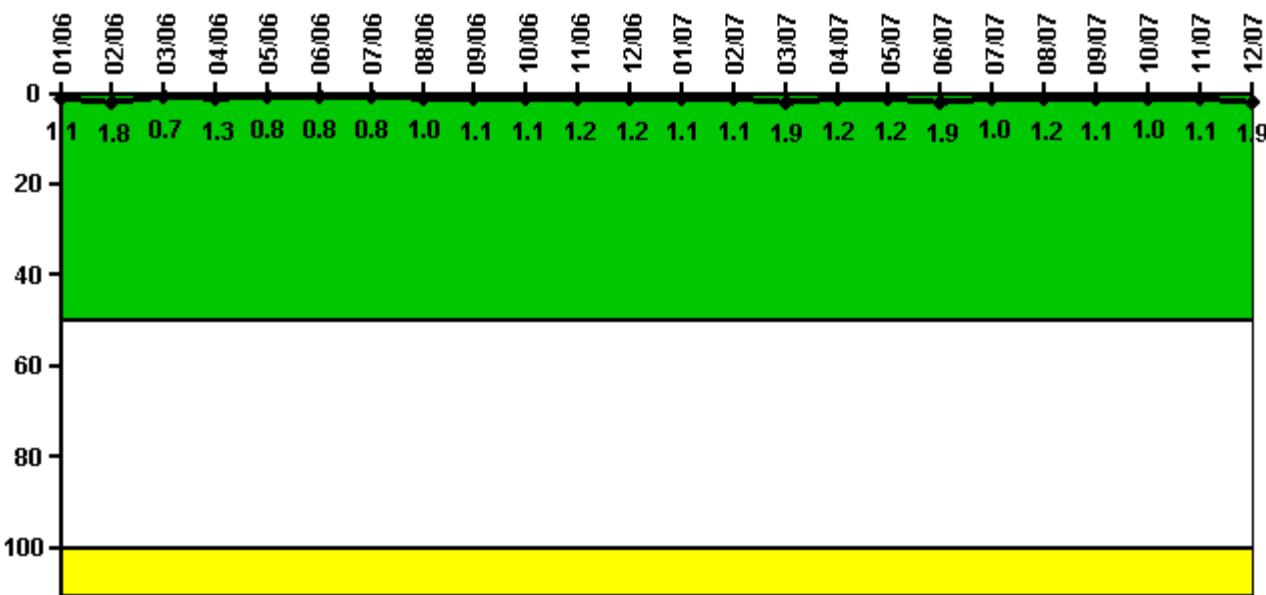
### Notes

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	0.000081	0.000086	0.000090	0.000099	0.000098	0.000109	0.000093	0.000109	0.000102	0.000102	0.000111	0.000115
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055	0.000041	0.000061	0.000064	0.000061	0.000069	0.000081
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Reactor Coolant System Leakage



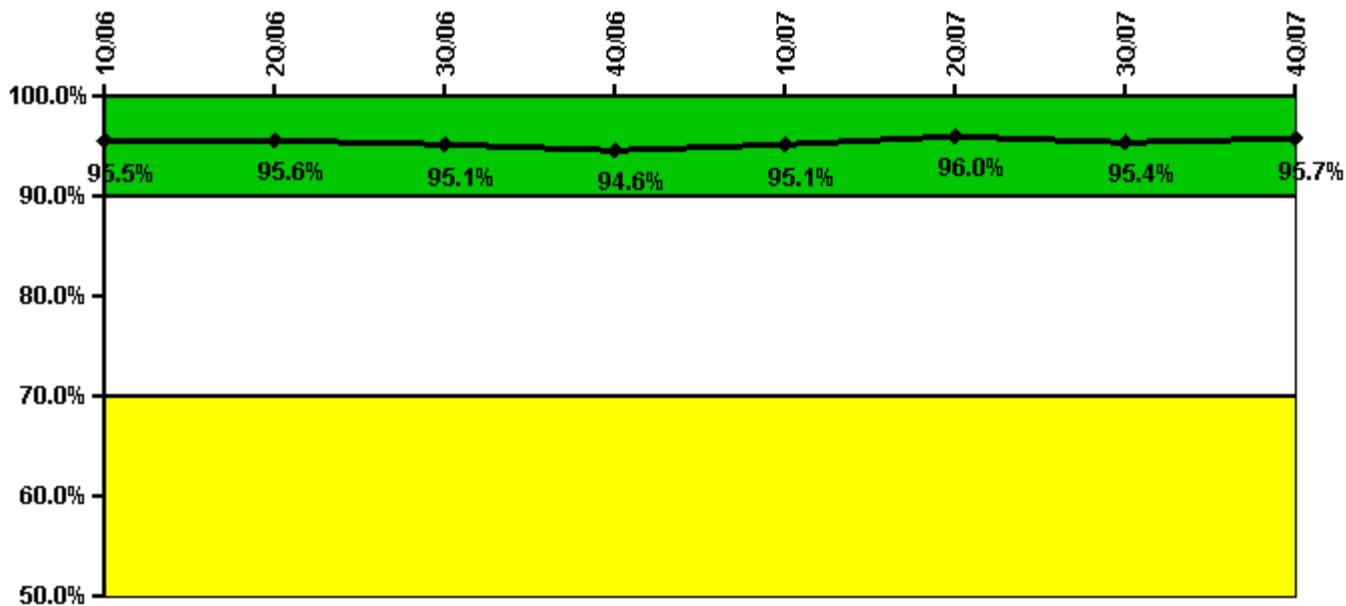
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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	0.110	0.180	0.070	0.130	0.080	0.080	0.080	0.100	0.110	0.110	0.120	0.120
Indicator value	1.1	1.8	0.7	1.3	0.8	0.8	0.8	1.0	1.1	1.1	1.2	1.2
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	0.110	0.110	0.190	0.120	0.120	0.190	0.100	0.120	0.110	0.100	0.110	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.1	1.9	1.2	1.2	1.9	1.0	1.2	1.1	1.0	1.1	1.9

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

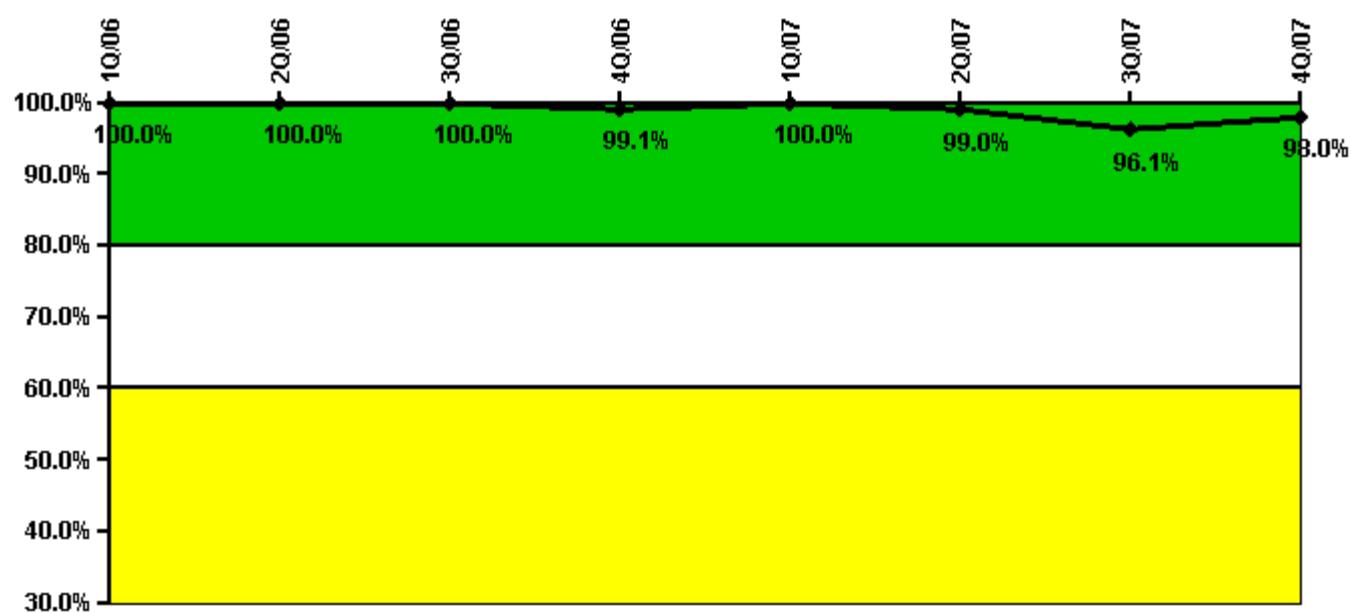
### Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	0	6.0	65.0	46.0	28.0	8.0	12.0	14.0
Total opportunities	0	6.0	69.0	50.0	28.0	8.0	12.0	14.0
<b>Indicator value</b>	<b>95.5%</b>	<b>95.6%</b>	<b>95.1%</b>	<b>94.6%</b>	<b>95.1%</b>	<b>96.0%</b>	<b>95.4%</b>	<b>95.7%</b>

Licensee Comments: none

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## ERO Drill Participation



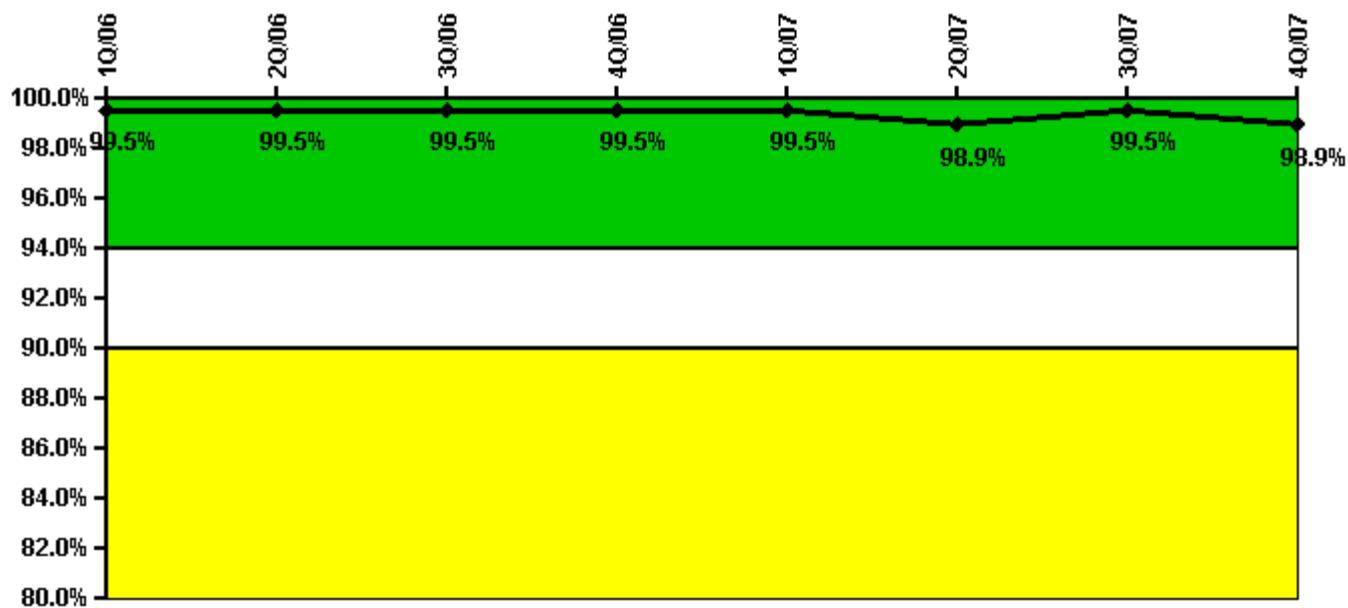
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	105.0	106.0	104.0	105.0	109.0	101.0	99.0	100.0
Total Key personnel	105.0	106.0	104.0	106.0	109.0	102.0	103.0	102.0
Indicator value	100.0%	100.0%	100.0%	99.1%	100.0%	99.0%	96.1%	98.0%

Licensee Comments: none

## Alert & Notification System



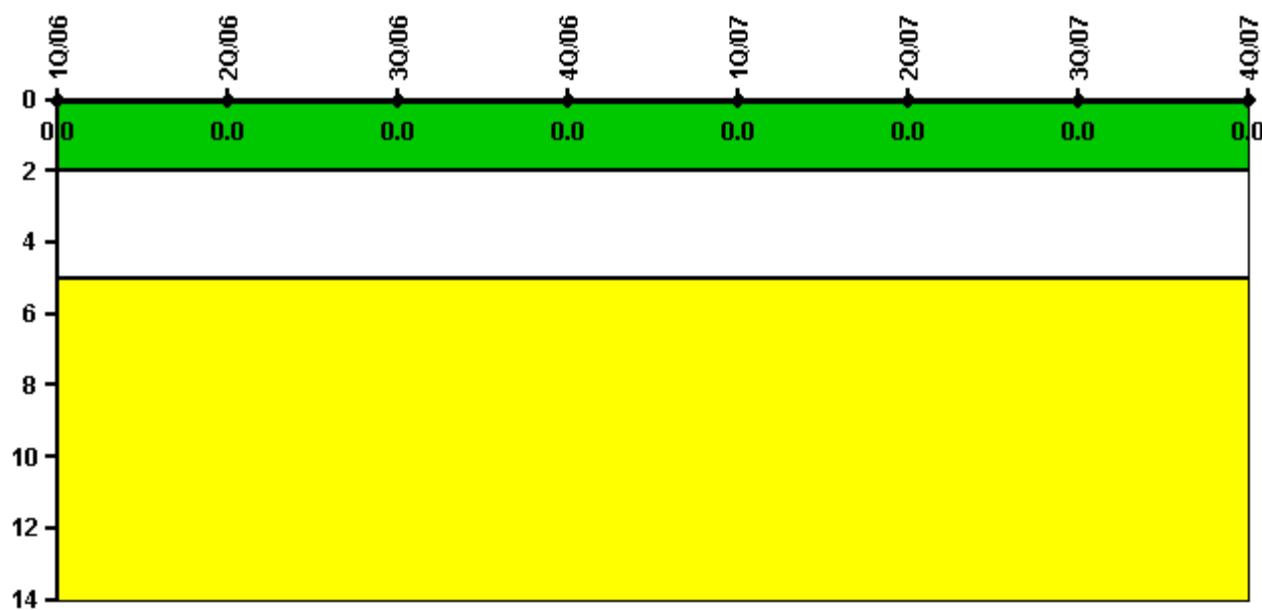
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	48	48	44	48	48	47	45	47
Total sirens-tests	48	48	45	48	48	48	45	48
Indicator value	99.5%	99.5%	99.5%	99.5%	99.5%	98.9%	99.5%	98.9%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



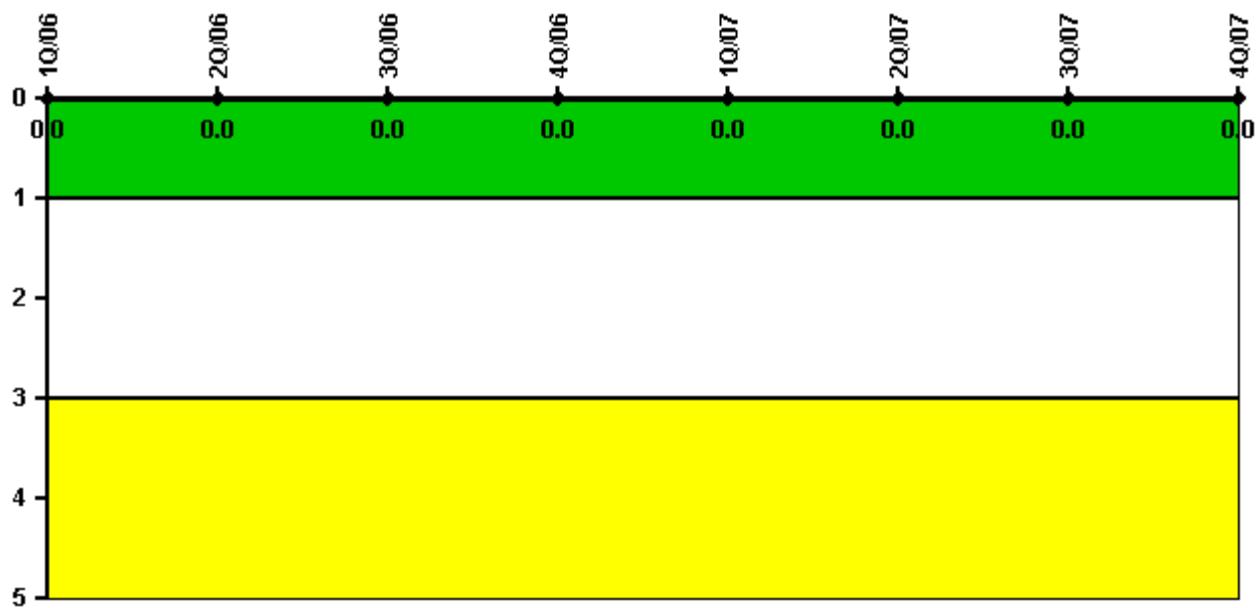
Thresholds: White > 2.0 Yellow > 5.0

### 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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**1Q/2008 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

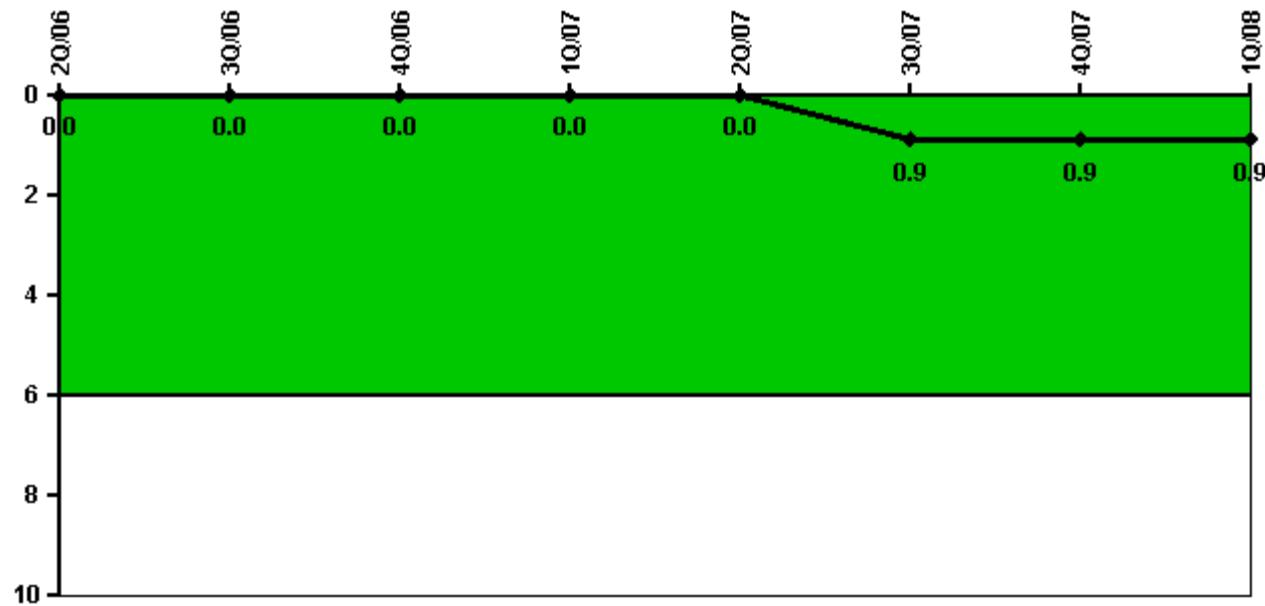
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



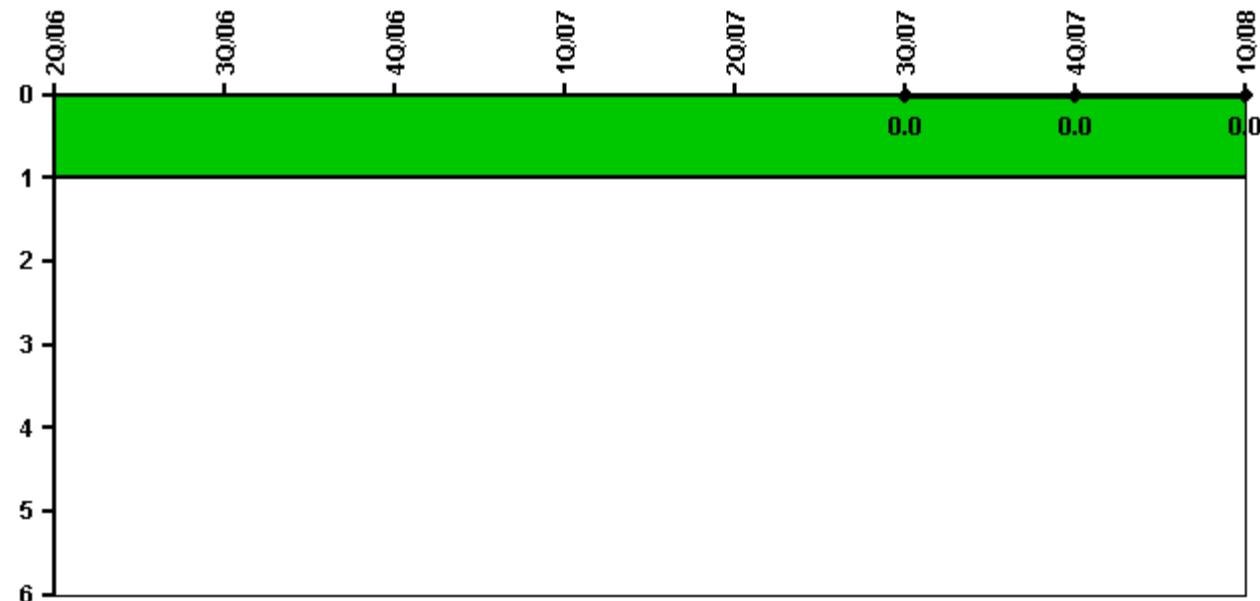
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

## Unplanned Scrams with Complications



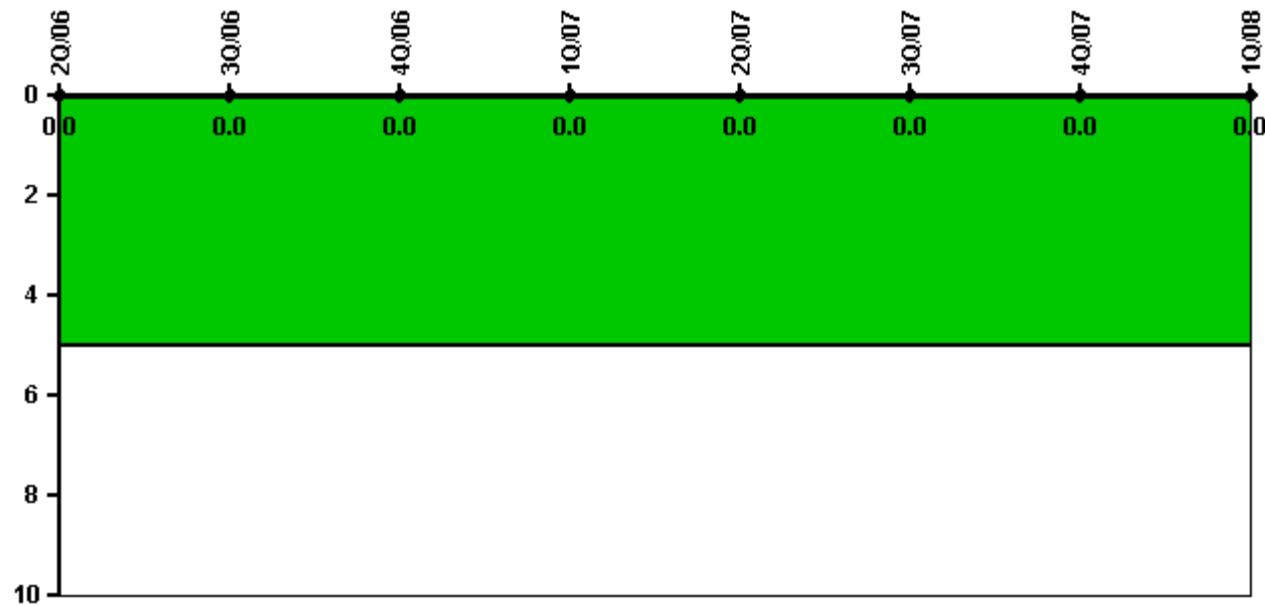
Thresholds: White > 1.0

### 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
Indicator value						0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



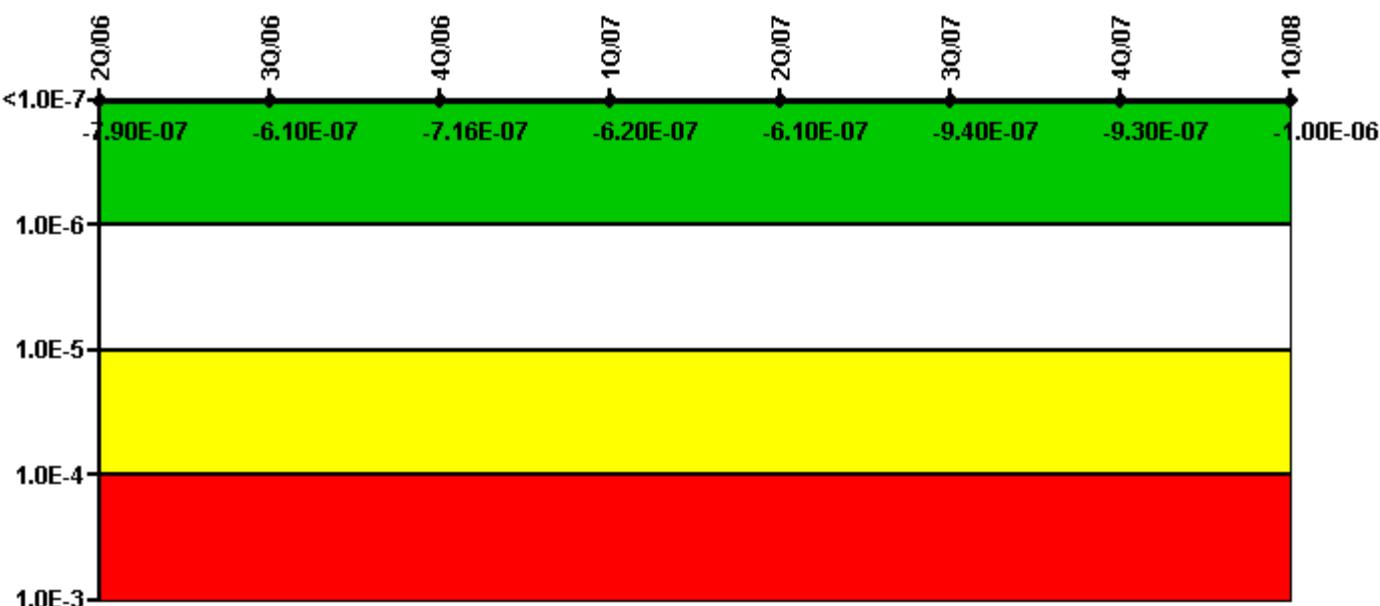
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
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



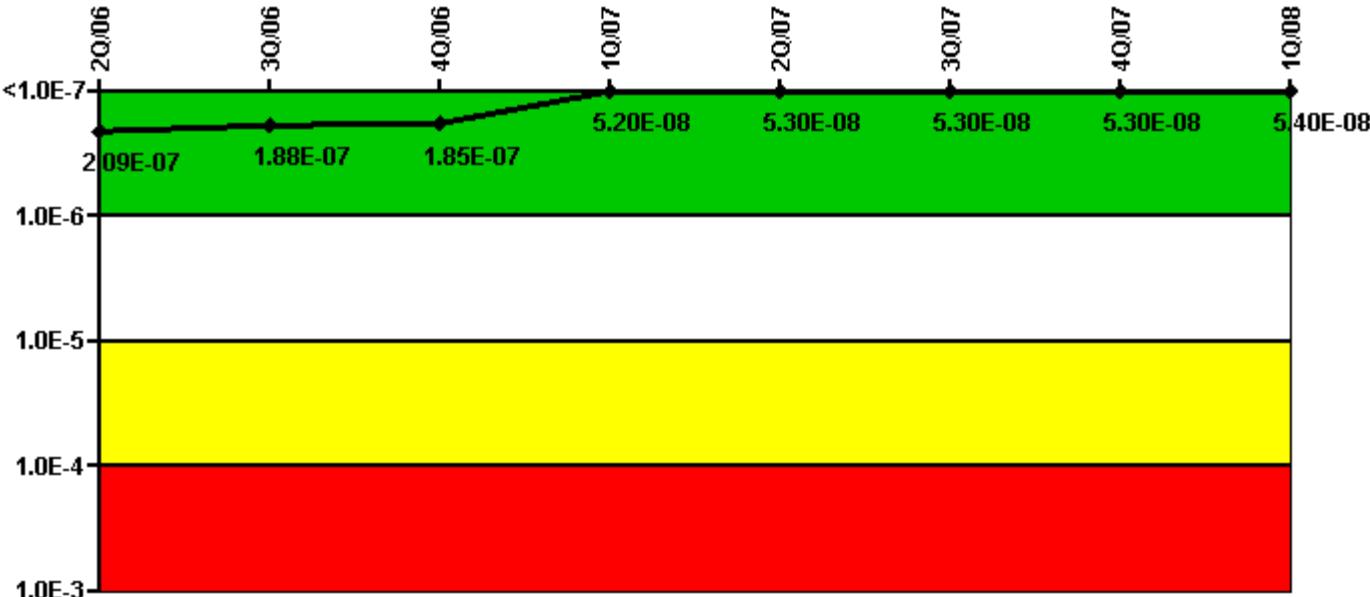
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	5.10E-07	2.00E-07	9.40E-08	1.90E-07	2.00E-07	1.60E-07	1.70E-07	1.00E-07
URI ( $\Delta$ CDF)	-1.30E-06	-8.10E-07	-8.10E-07	-8.10E-07	-8.10E-07	-1.10E-06	-1.10E-06	-1.10E-06
PLE	NO							
Indicator value	<b>-7.90E-07</b>	<b>-6.10E-07</b>	<b>-7.16E-07</b>	<b>-6.20E-07</b>	<b>-6.10E-07</b>	<b>-9.40E-07</b>	<b>-9.30E-07</b>	<b>-1.00E-06</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



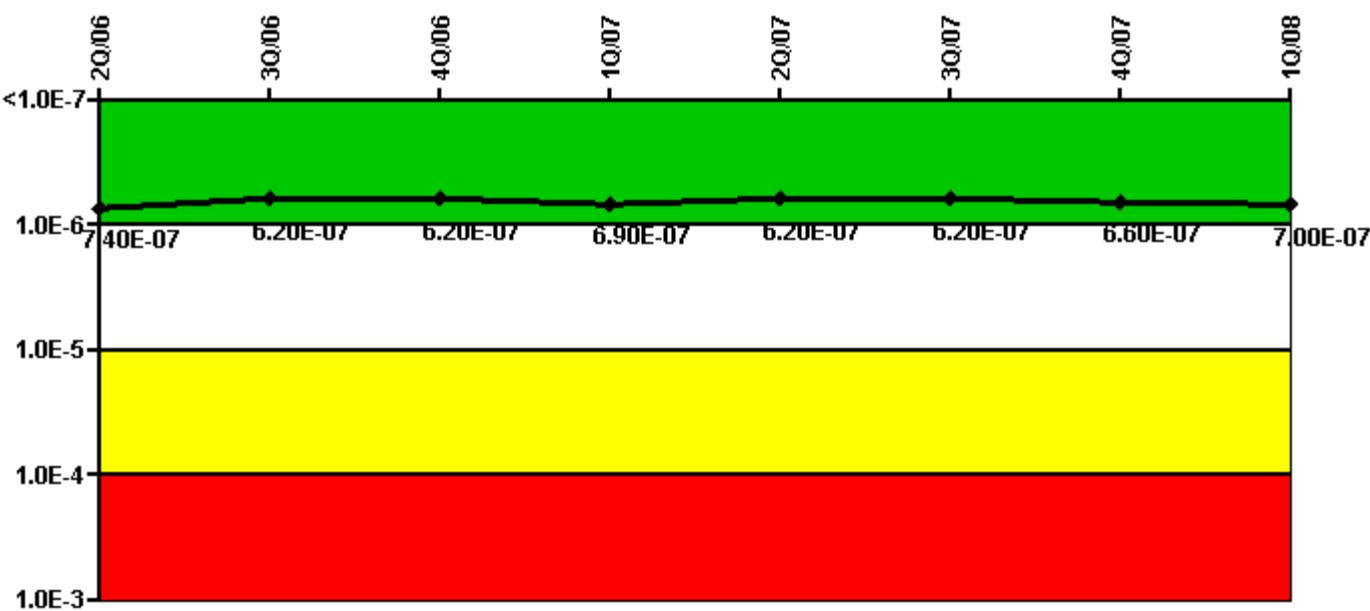
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-4.10E-08	-2.20E-08	-2.50E-08	-2.50E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.30E-08
URI ( $\Delta$ CDF)	2.50E-07	2.10E-07	2.10E-07	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08
PLE	NO							
Indicator value	<b>2.09E-07</b>	<b>1.88E-07</b>	<b>1.85E-07</b>	<b>5.20E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



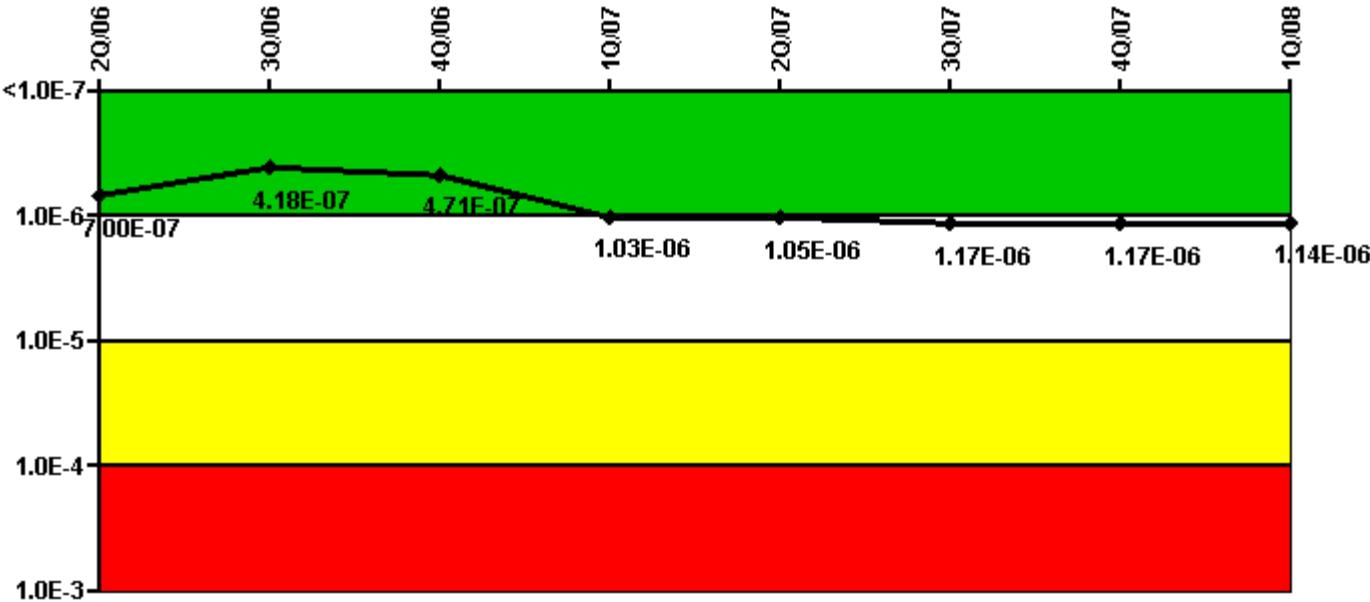
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	2.10E-07	1.60E-07	1.60E-07	2.30E-07	1.60E-07	1.60E-07	2.10E-07	2.50E-07
URI ( $\Delta$ CDF)	5.30E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.50E-07	4.50E-07
PLE	NO							
Indicator value	7.40E-07	6.20E-07	6.20E-07	6.90E-07	6.20E-07	6.20E-07	6.60E-07	7.00E-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

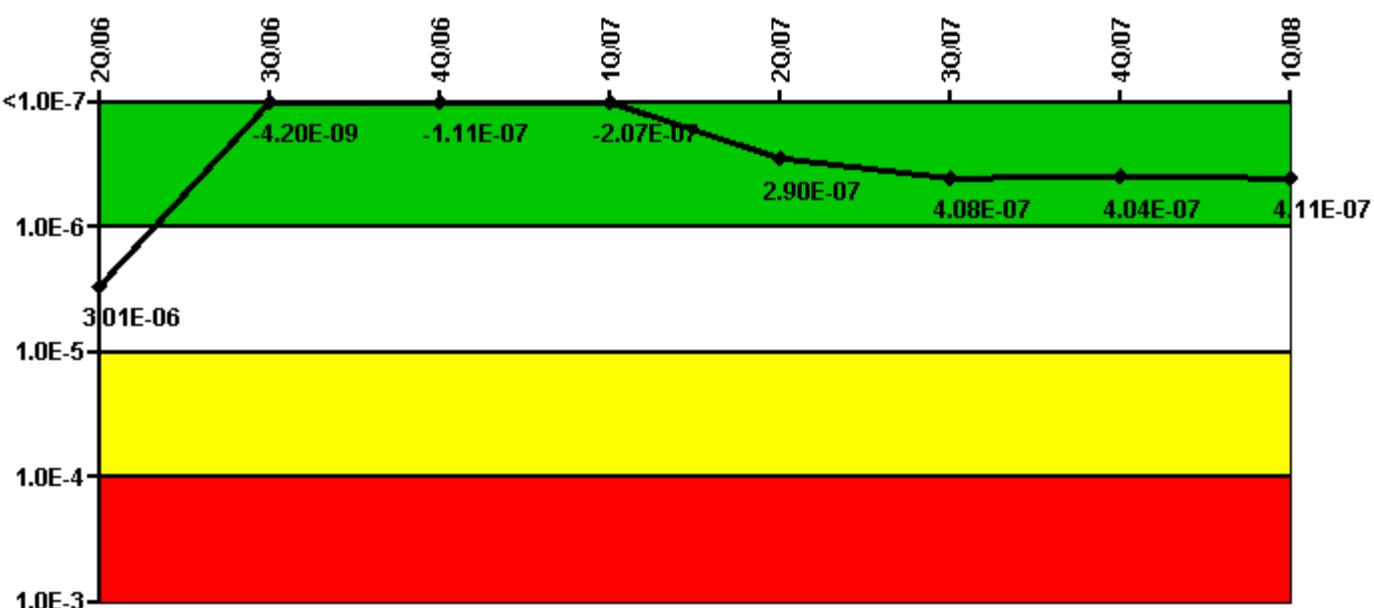
## Notes

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)	1.50E-07	8.10E-09	6.10E-08	1.20E-07	1.40E-07	2.60E-07	2.60E-07	2.30E-07
URI ( $\Delta$ CDF)	5.50E-07	4.10E-07	4.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07
PLE	NO							
Indicator value	7.00E-07	4.18E-07	4.71E-07	1.03E-06	1.05E-06	1.17E-06	1.17E-06	1.14E-06

Licensee Comments:

1Q/08: Risk Cap Invoked.

## Mitigating Systems Performance Index, Cooling Water Systems



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

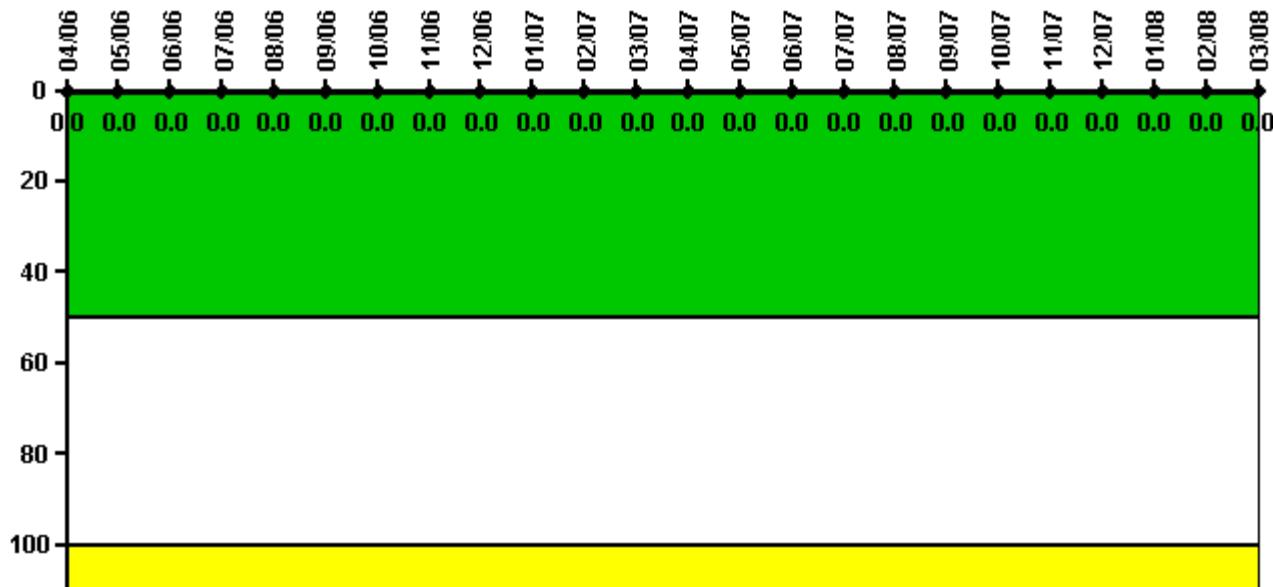
### Notes

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)	1.00E-08	-2.70E-09	-8.00E-10	2.70E-09	-3.40E-10	1.80E-08	1.40E-08	2.10E-08
URI ( $\Delta$ CDF)	3.00E-06	-1.50E-09	-1.10E-07	-2.10E-07	2.90E-07	3.90E-07	3.90E-07	3.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.01E-06	-4.20E-09	-1.11E-07	-2.07E-07	2.90E-07	4.08E-07	4.04E-07	4.11E-07

Licensee Comments:

1Q/08: Risk Cap Invoked.

## Reactor Coolant System Activity



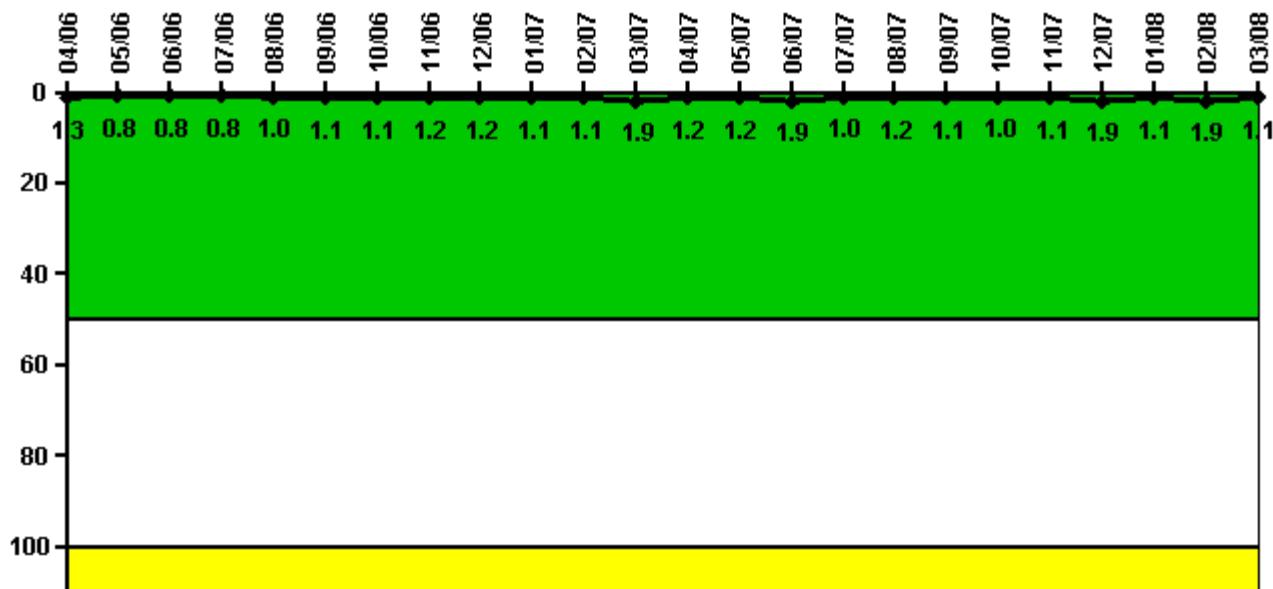
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000099	0.000098	0.000109	0.000093	0.000109	0.000102	0.000102	0.000111	0.000115	0.000119	0.000122	0.000125
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000115	0.000053	0.000055	0.000041	0.000061	0.000064	0.000061	0.000069	0.000081	0.000051	0.000160	0.000051
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



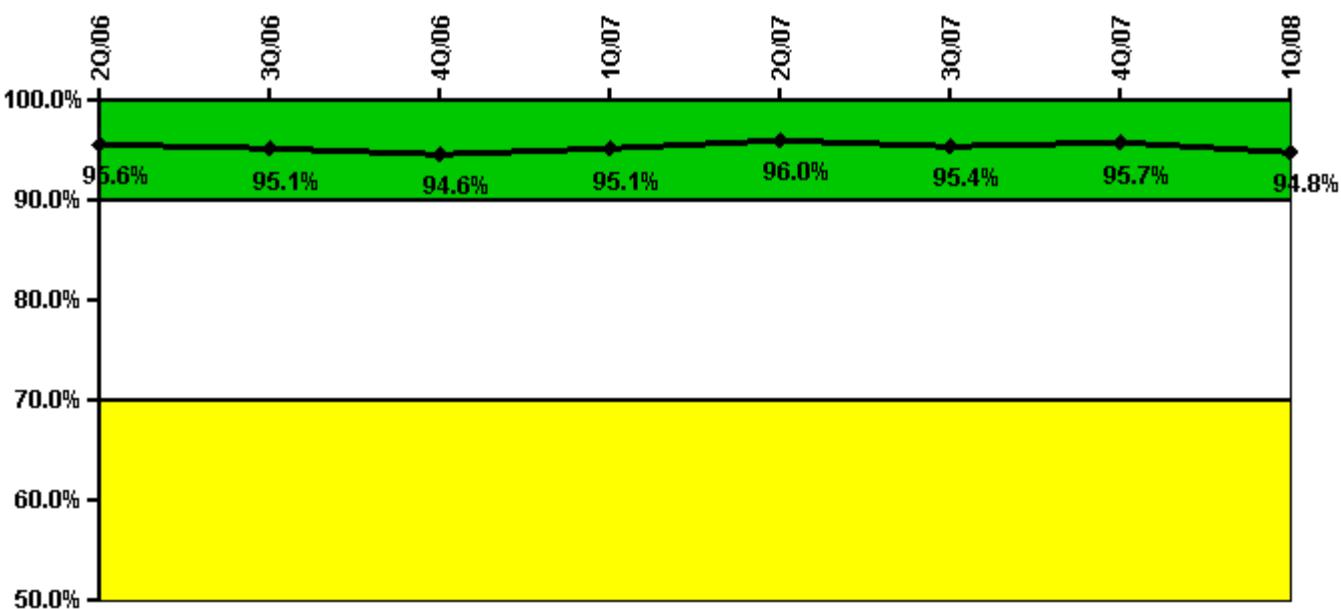
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.130	0.080	0.080	0.080	0.100	0.110	0.110	0.120	0.120	0.110	0.110	0.190
Indicator value	1.3	0.8	0.8	0.8	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.9
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	0.120	0.120	0.190	0.100	0.120	0.110	0.100	0.110	0.190	0.110	0.190	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.2	1.9	1.0	1.2	1.1	1.0	1.1	1.9	1.1	1.9	1.1

Licensee Comments: none

## Drill/Exercise Performance



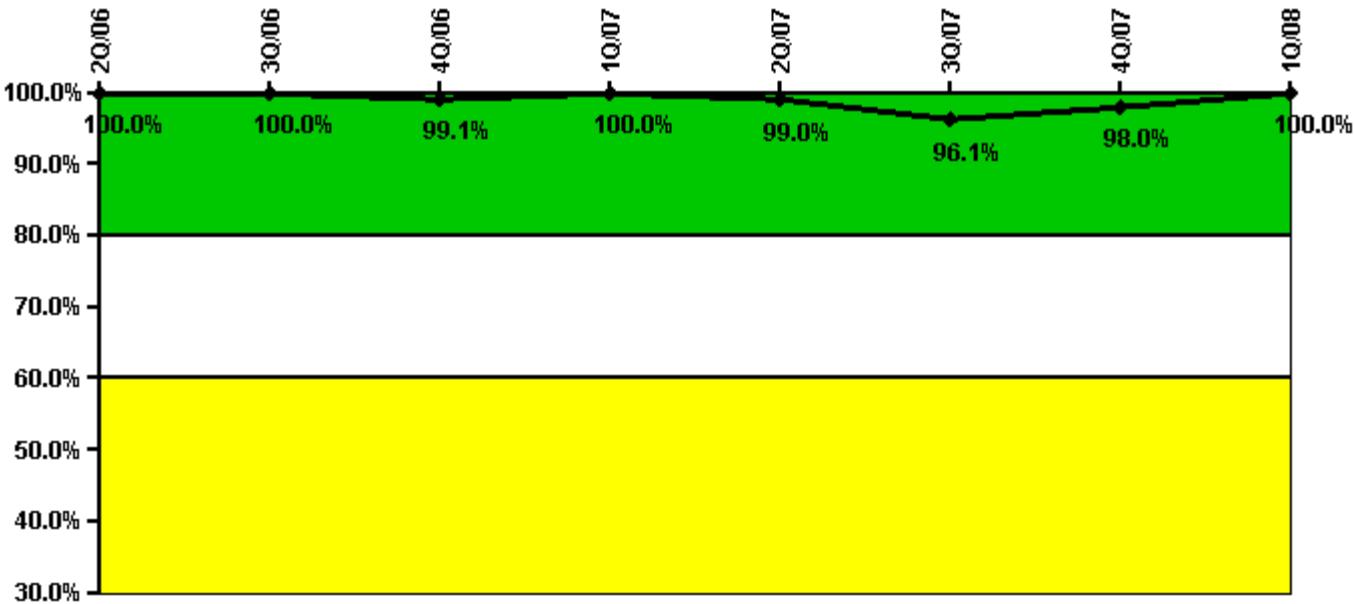
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	6.0	65.0	46.0	28.0	8.0	12.0	14.0	57.0
Total opportunities	6.0	69.0	50.0	28.0	8.0	12.0	14.0	62.0
Indicator value	95.6%	95.1%	94.6%	95.1%	96.0%	95.4%	95.7%	94.8%

Licensee Comments: none

## ERO Drill Participation



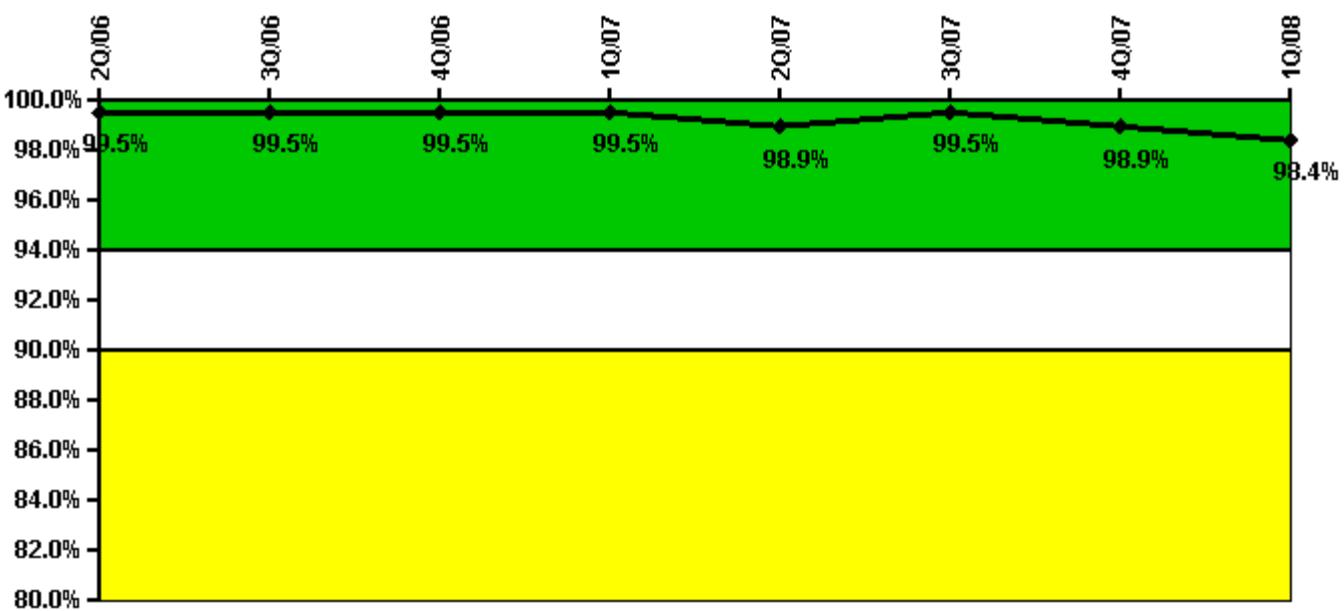
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	106.0	104.0	105.0	109.0	101.0	99.0	100.0	103.0
Total Key personnel	106.0	104.0	106.0	109.0	102.0	103.0	102.0	103.0
Indicator value	100.0%	100.0%	99.1%	100.0%	99.0%	96.1%	98.0%	100.0%

Licensee Comments: none

## Alert & Notification System



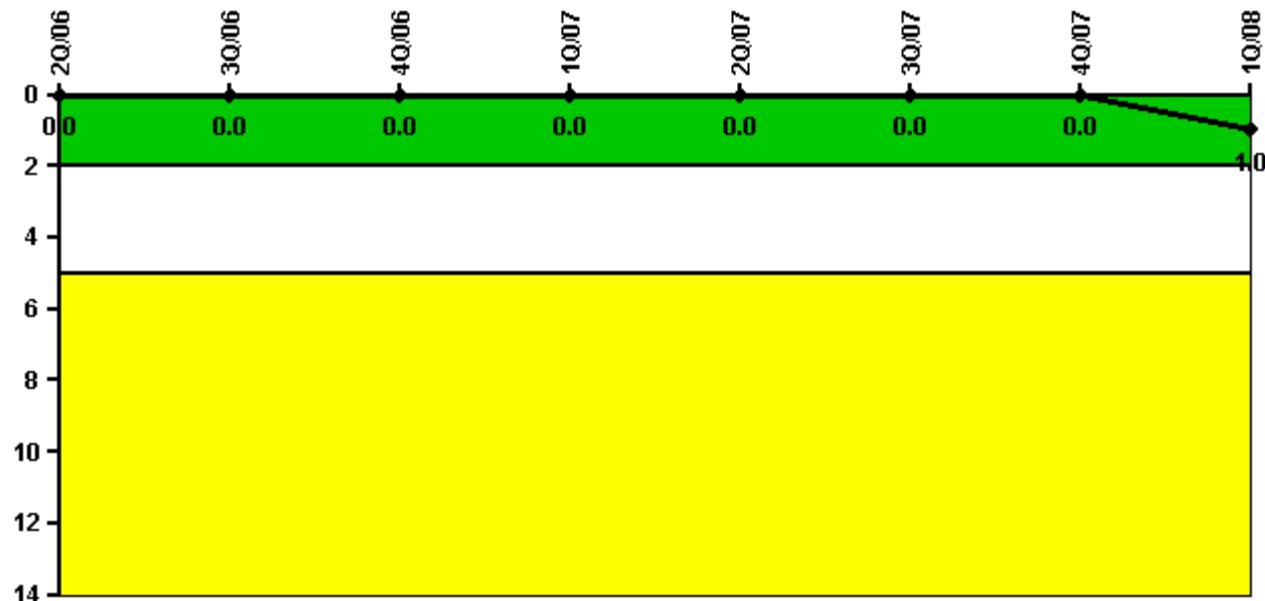
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	48	44	48	48	47	45	47	44
Total sirens-tests	48	45	48	48	48	45	48	45
Indicator value	99.5%	99.5%	99.5%	99.5%	98.9%	99.5%	98.9%	98.4%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



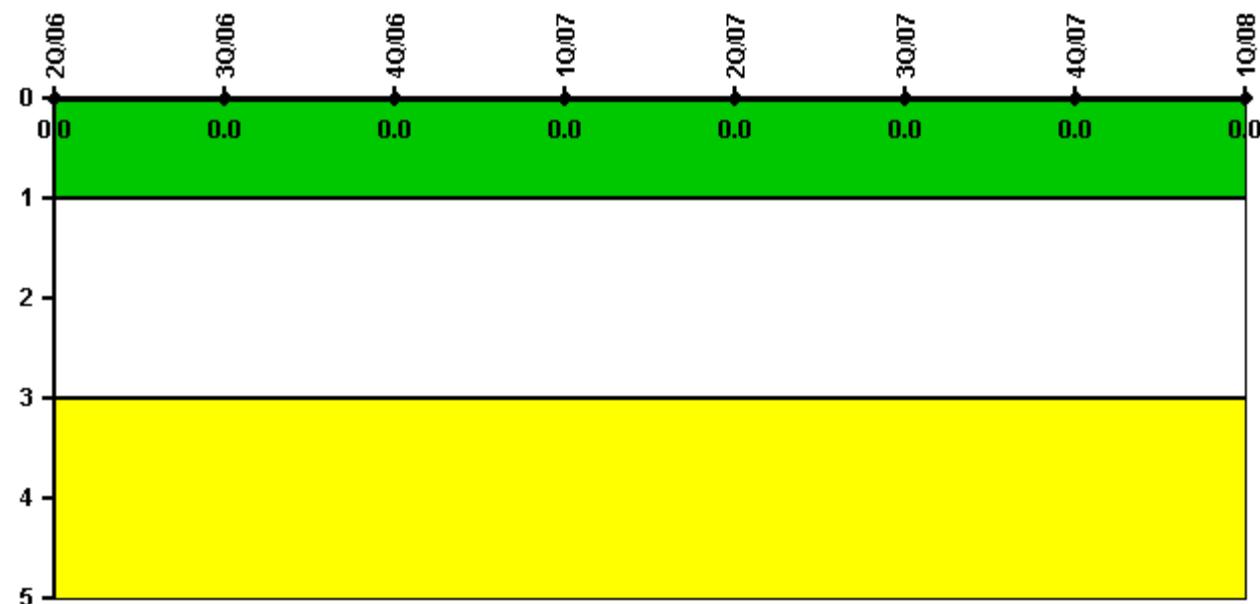
Thresholds: White > 2.0 Yellow > 5.0

### 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	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	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.

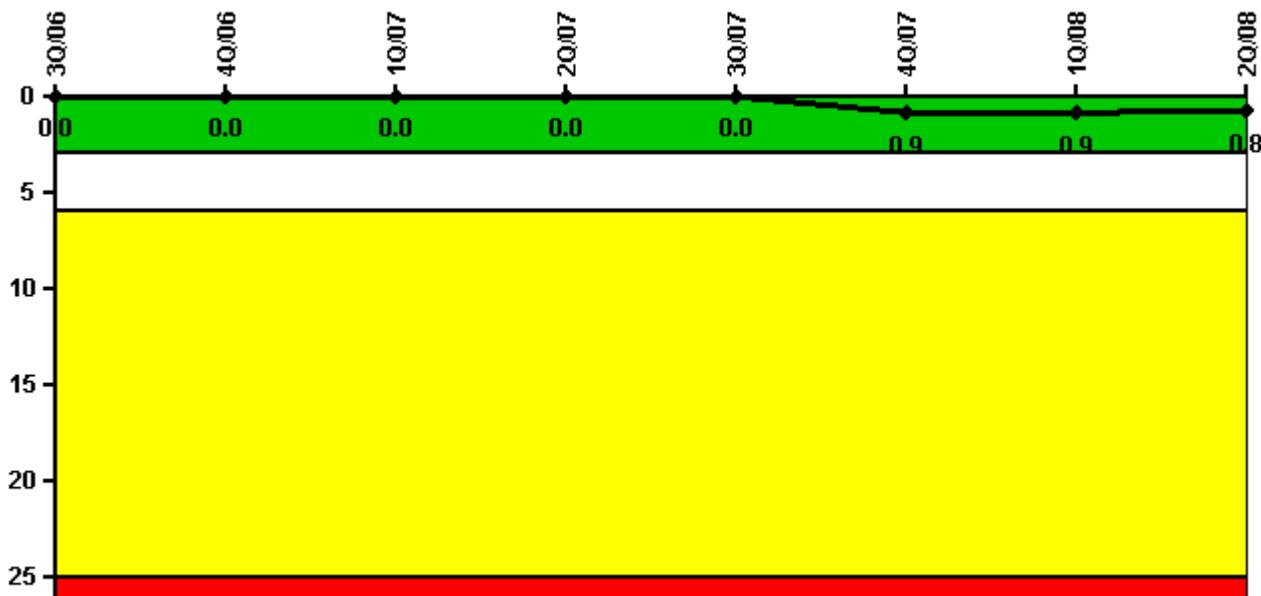


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 30, 2008

**2Q/2008 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

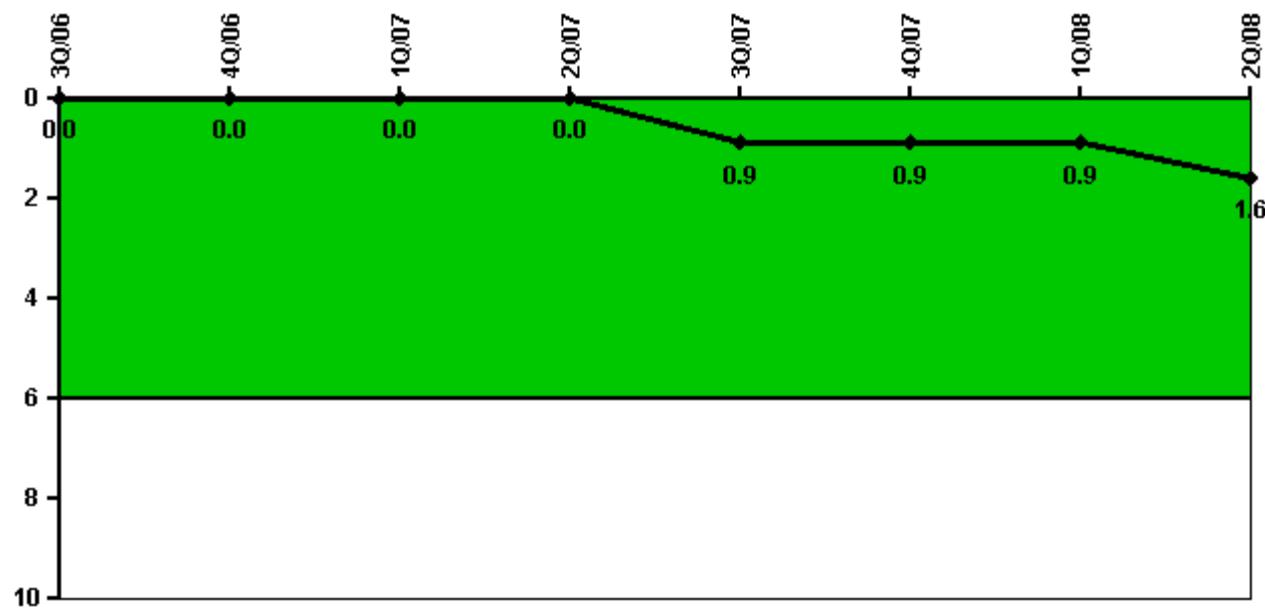
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0
Indicator value	0	0	0	0	0	0.9	0.9	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



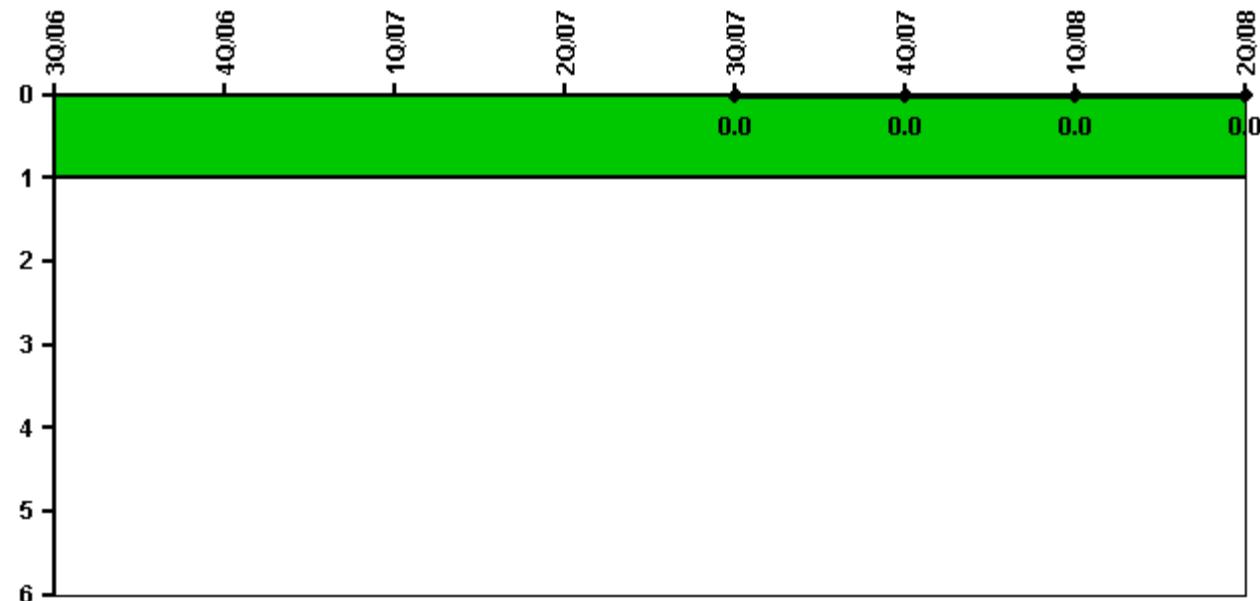
Thresholds: White > 6.0

### 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	0	0	0	0	1.0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0
Indicator value	0	0	0	0	0.9	0.9	0.9	1.6

Licensee Comments: none

## Unplanned Scrams with Complications



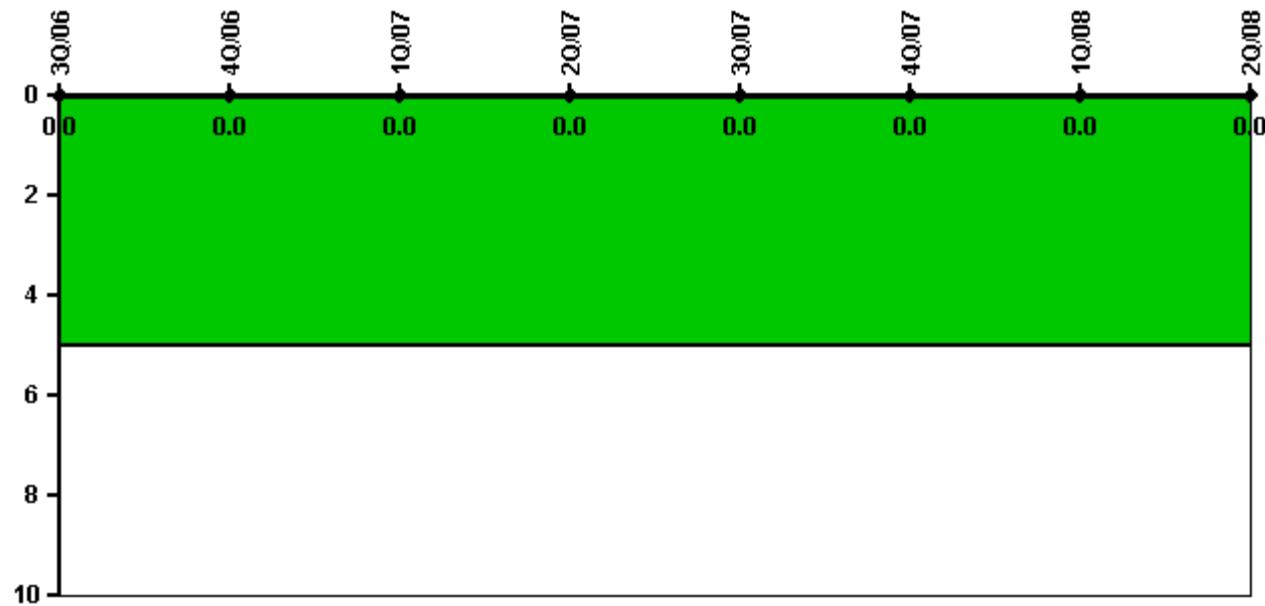
Thresholds: White > 1.0

### 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
Indicator value					0.0	0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



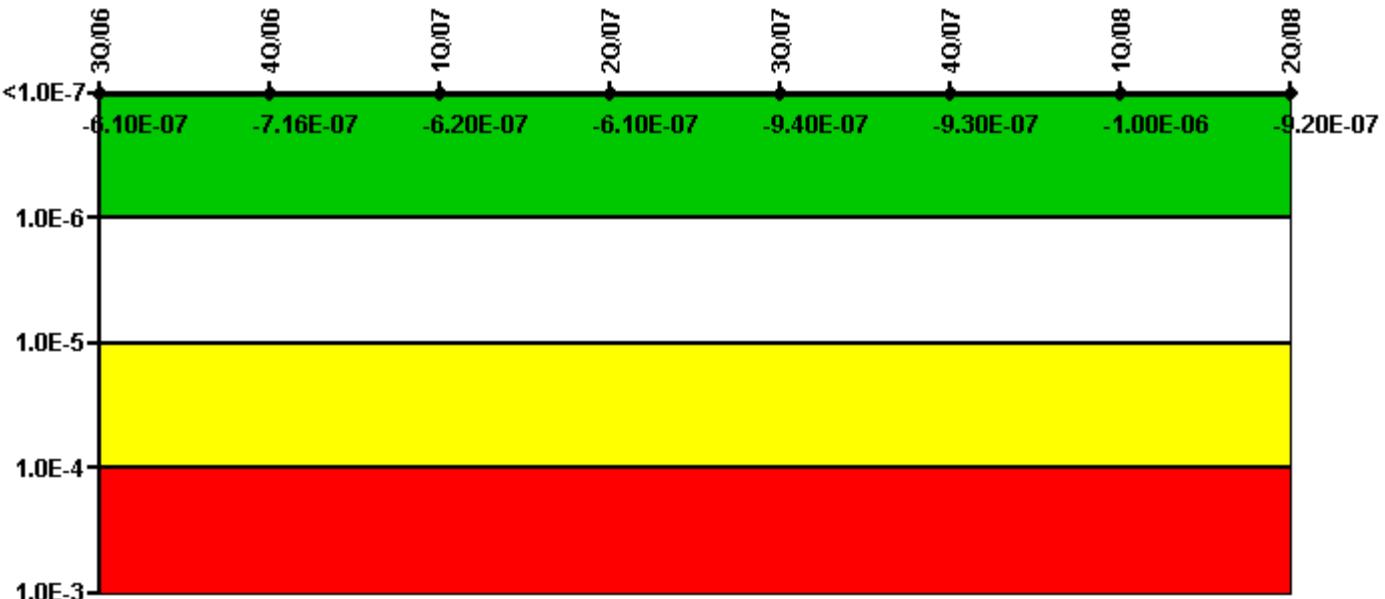
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
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



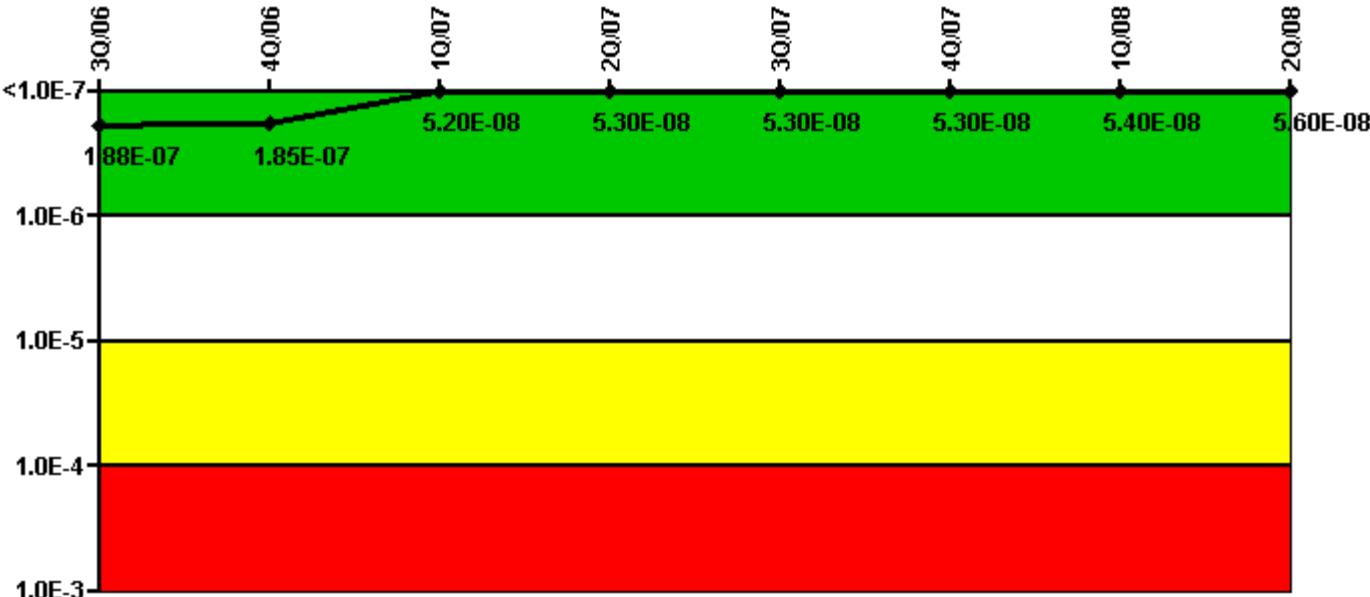
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	2.00E-07	9.40E-08	1.90E-07	2.00E-07	1.60E-07	1.70E-07	1.00E-07	1.80E-07
URI ( $\Delta$ CDF)	-8.10E-07	-8.10E-07	-8.10E-07	-8.10E-07	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06
PLE	NO							
Indicator value	<b>-6.10E-07</b>	<b>-7.16E-07</b>	<b>-6.20E-07</b>	<b>-6.10E-07</b>	<b>-9.40E-07</b>	<b>-9.30E-07</b>	<b>-1.00E-06</b>	<b>-9.20E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



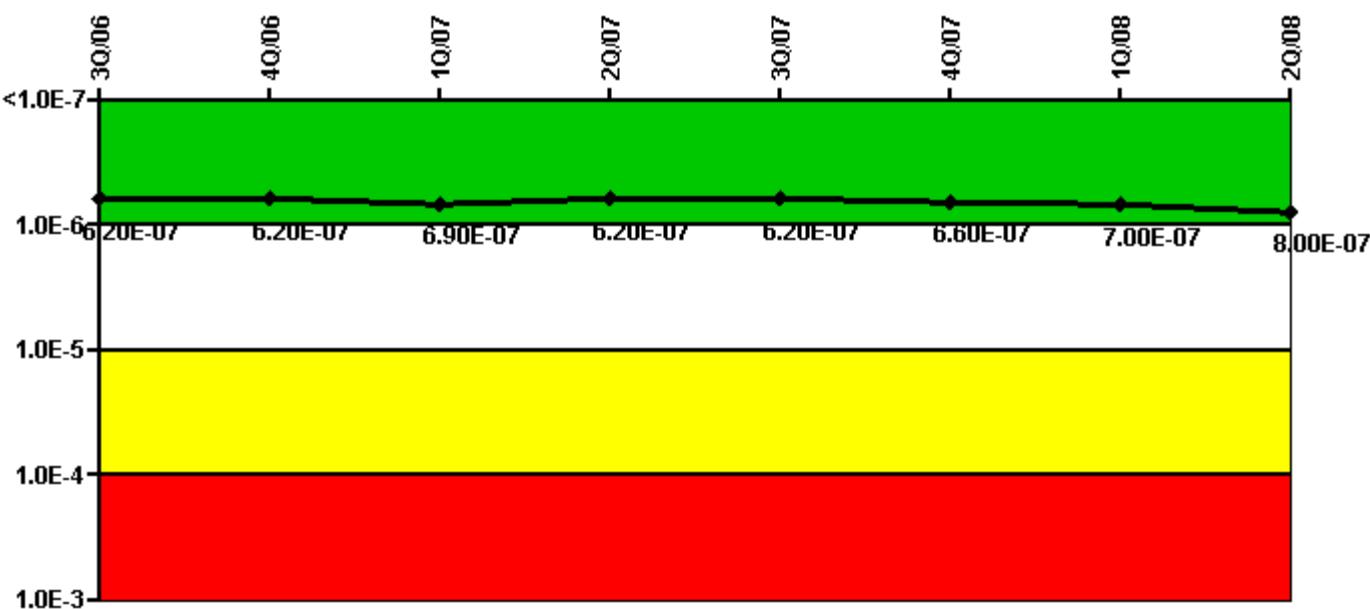
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-2.20E-08	-2.50E-08	-2.50E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.10E-08
URI ( $\Delta$ CDF)	2.10E-07	2.10E-07	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08
PLE	NO							
Indicator value	<b>1.88E-07</b>	<b>1.85E-07</b>	<b>5.20E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.40E-08</b>	<b>5.60E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



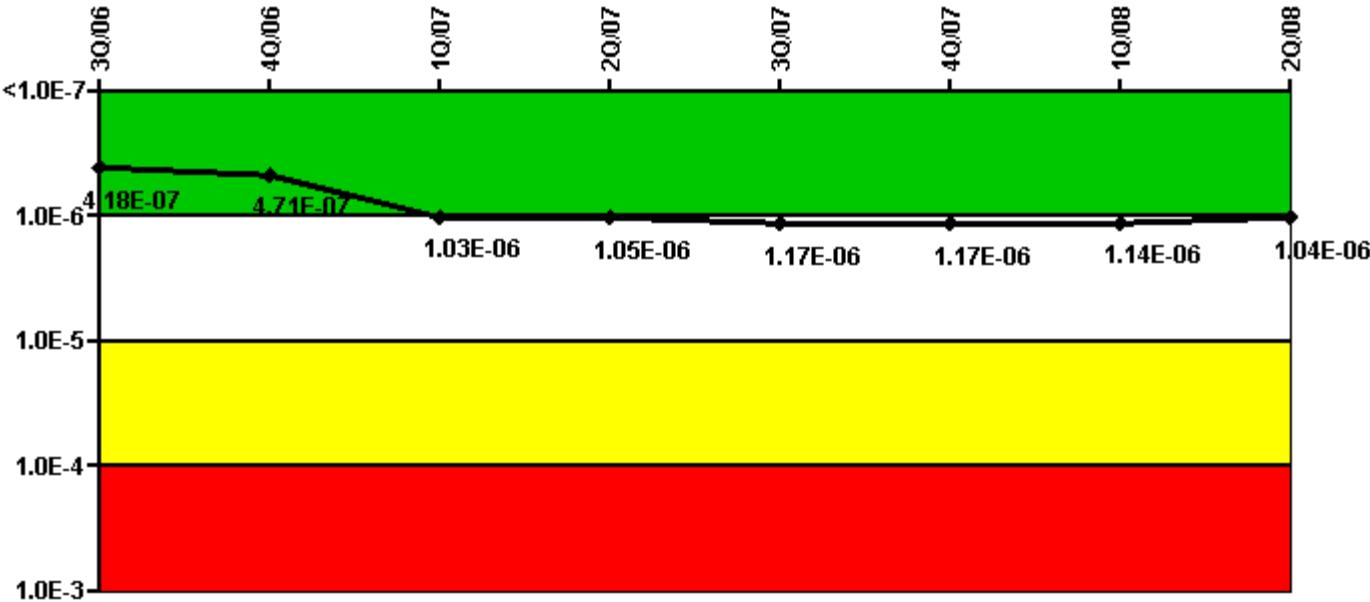
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	1.60E-07	1.60E-07	2.30E-07	1.60E-07	1.60E-07	2.10E-07	2.50E-07	3.50E-07
URI ( $\Delta$ CDF)	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.50E-07	4.50E-07	4.50E-07
PLE	NO							
Indicator value	6.20E-07	6.20E-07	6.90E-07	6.20E-07	6.20E-07	6.60E-07	7.00E-07	8.00E-07

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 >  $1.00\text{E-}4$

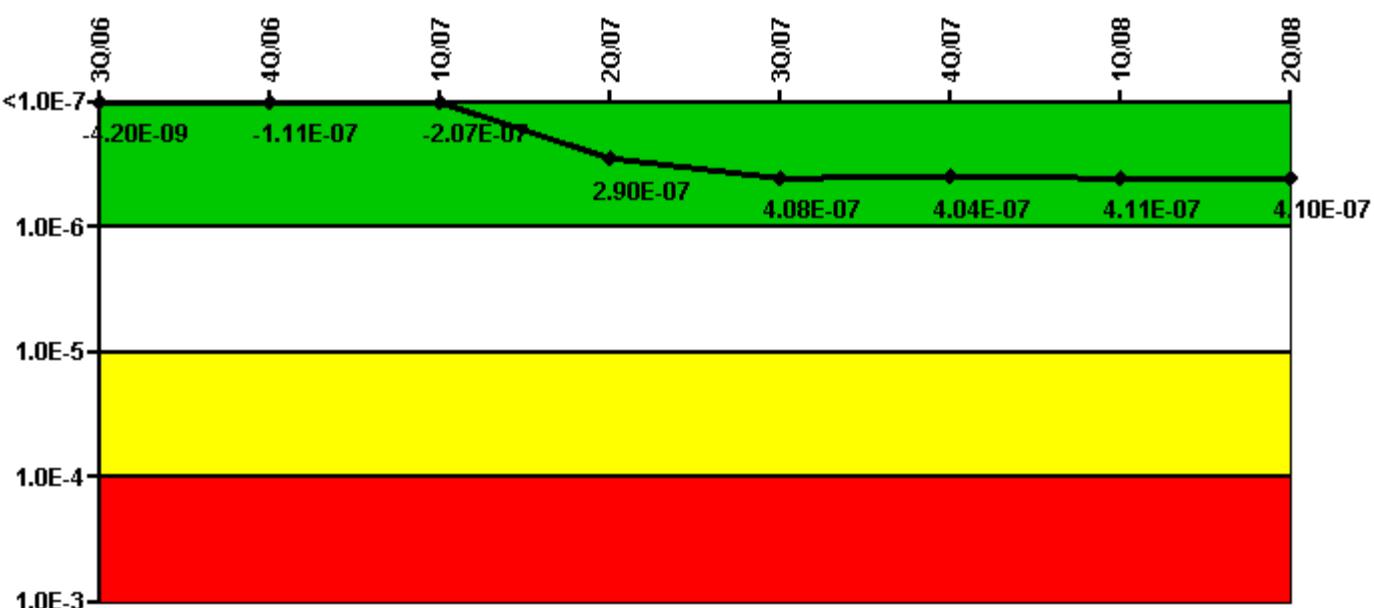
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	8.10E-09	6.10E-08	1.20E-07	1.40E-07	2.60E-07	2.60E-07	2.30E-07	1.30E-07
URI ( $\Delta$ CDF)	4.10E-07	4.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07
PLE	NO							
Indicator value	4.18E-07	4.71E-07	1.03E-06	1.05E-06	1.17E-06	1.17E-06	1.14E-06	1.04E-06

Licensee Comments:

2Q/08: Risk Cap Invoked.

## Mitigating Systems Performance Index, Cooling Water Systems



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

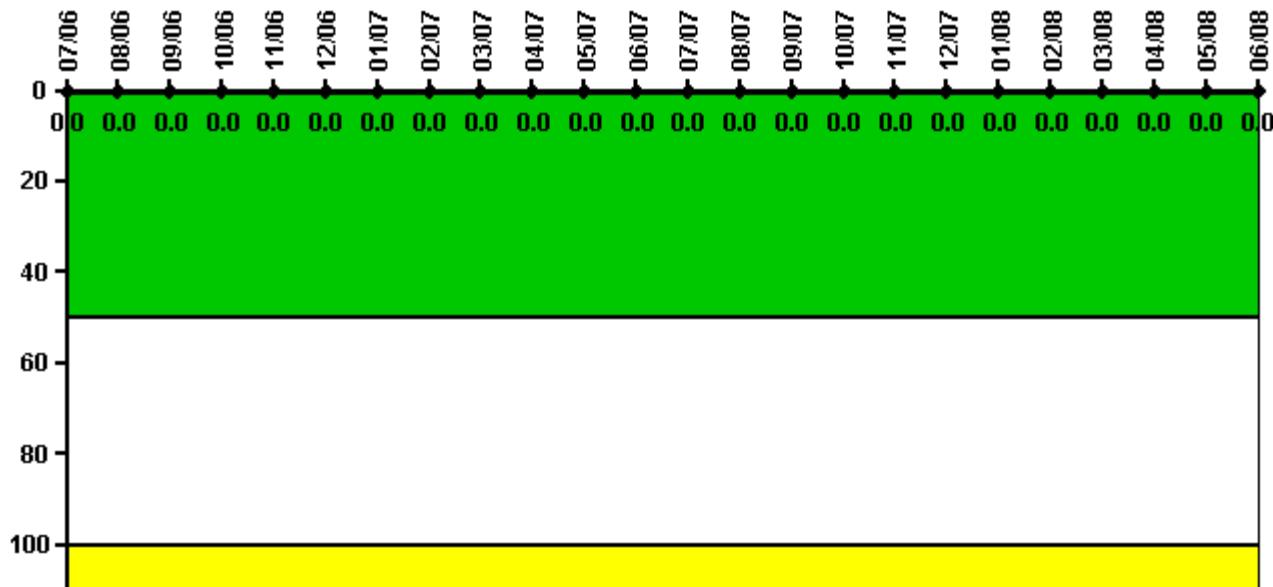
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.70E-09	-8.00E-10	2.70E-09	-3.40E-10	1.80E-08	1.40E-08	2.10E-08	2.00E-08
URI (ΔCDF)	-1.50E-09	-1.10E-07	-2.10E-07	2.90E-07	3.90E-07	3.90E-07	3.90E-07	3.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-4.20E-09</b>	<b>-1.11E-07</b>	<b>-2.07E-07</b>	<b>2.90E-07</b>	<b>4.08E-07</b>	<b>4.04E-07</b>	<b>4.11E-07</b>	<b>4.10E-07</b>

Licensee Comments:

2Q/08: Risk Cap Invoked.

## Reactor Coolant System Activity



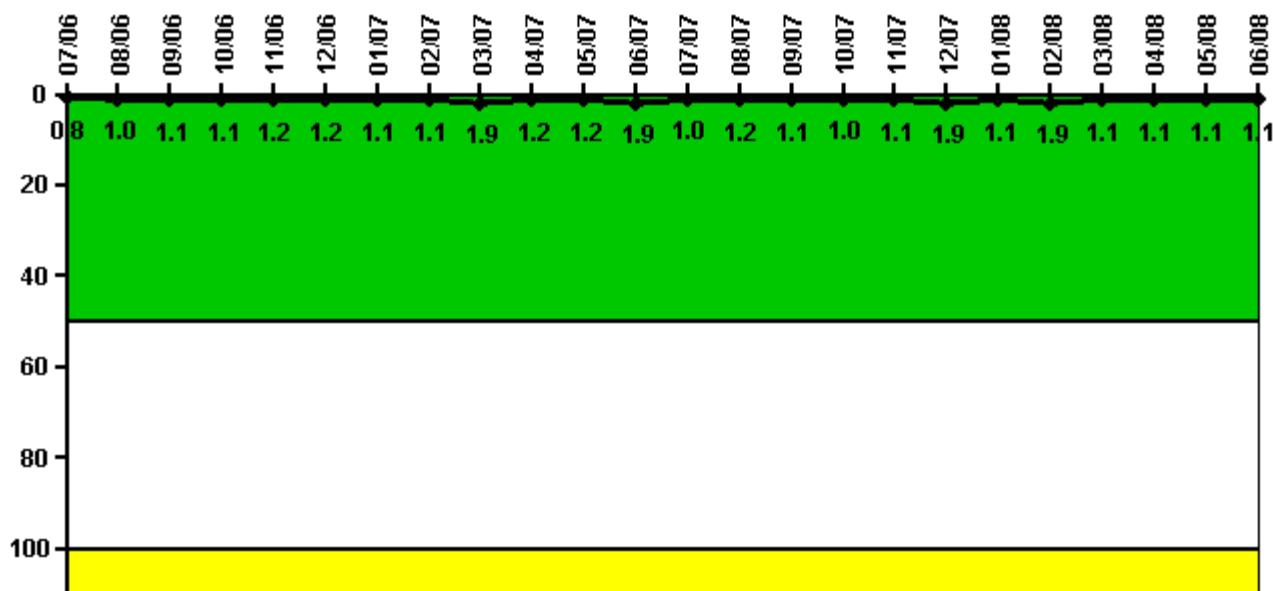
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000093	0.000109	0.000102	0.000102	0.000111	0.000115	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000041	0.000061	0.000064	0.000061	0.000069	0.000081	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



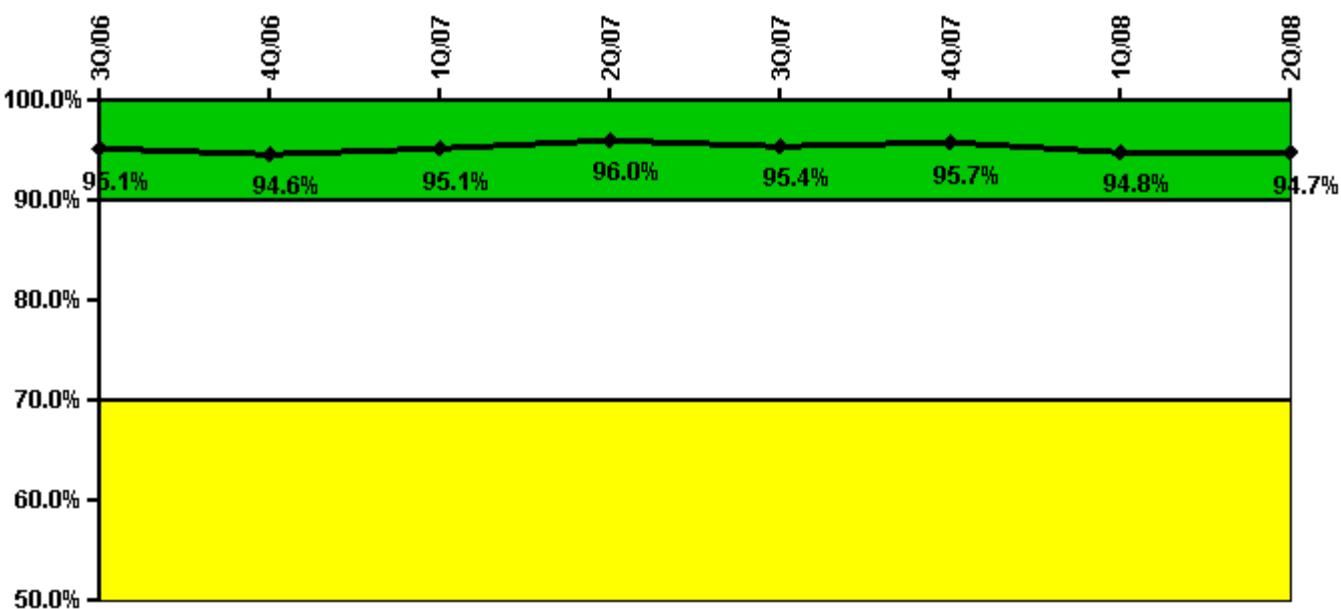
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.080	0.100	0.110	0.110	0.120	0.120	0.110	0.110	0.190	0.120	0.120	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.9	1.2	1.2	1.9
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	0.100	0.120	0.110	0.100	0.110	0.190	0.110	0.190	0.110	0.110	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.2	1.1	1.0	1.1	1.9	1.1	1.9	1.1	1.1	1.1	1.1

Licensee Comments: none

## Drill/Exercise Performance



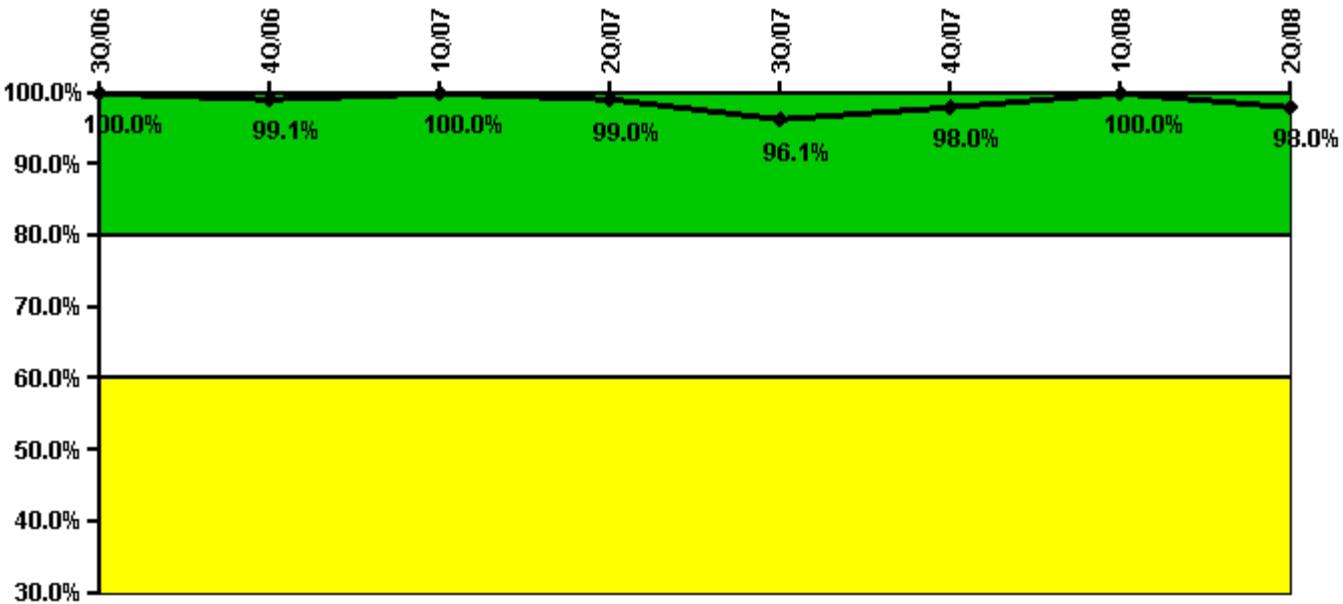
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	65.0	46.0	28.0	8.0	12.0	14.0	57.0	19.0
Total opportunities	69.0	50.0	28.0	8.0	12.0	14.0	62.0	20.0
Indicator value	95.1%	94.6%	95.1%	96.0%	95.4%	95.7%	94.8%	94.7%

Licensee Comments: none

## ERO Drill Participation



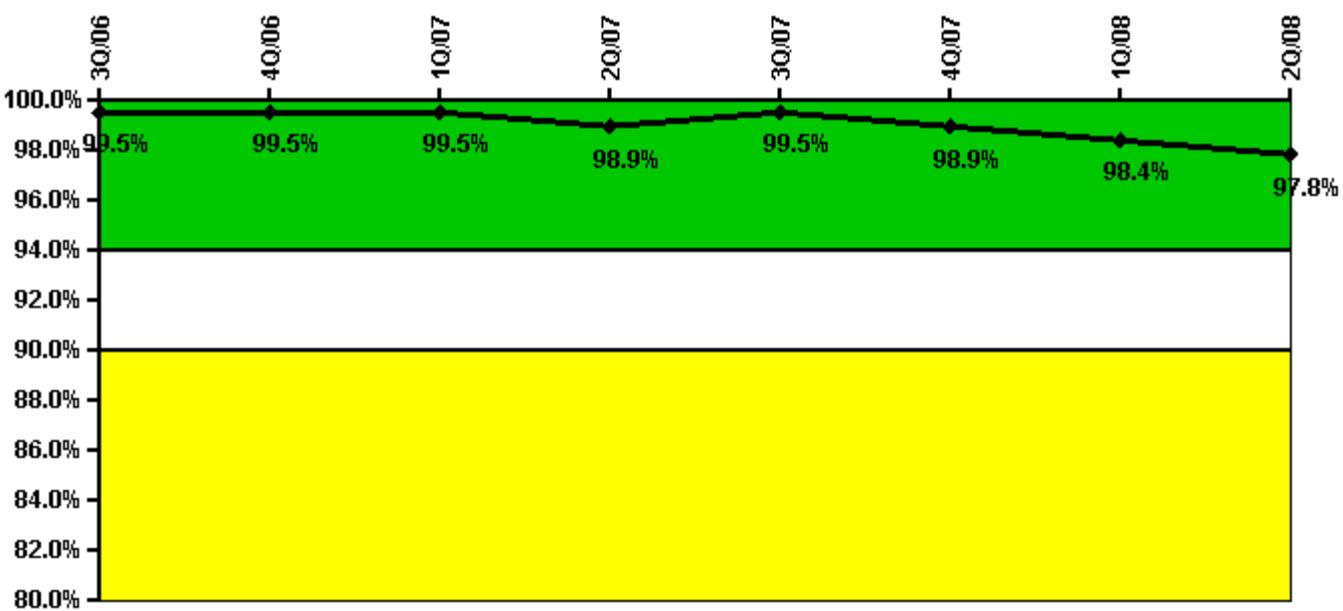
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	104.0	105.0	109.0	101.0	99.0	100.0	103.0	99.0
Total Key personnel	104.0	106.0	109.0	102.0	103.0	102.0	103.0	101.0
Indicator value	100.0%	99.1%	100.0%	99.0%	96.1%	98.0%	100.0%	98.0%

Licensee Comments: none

# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	44	48	48	47	45	47	44	43
Total sirens-tests	45	48	48	48	45	48	45	45
Indicator value	99.5%	99.5%	99.5%	98.9%	99.5%	98.9%	98.4%	97.8%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



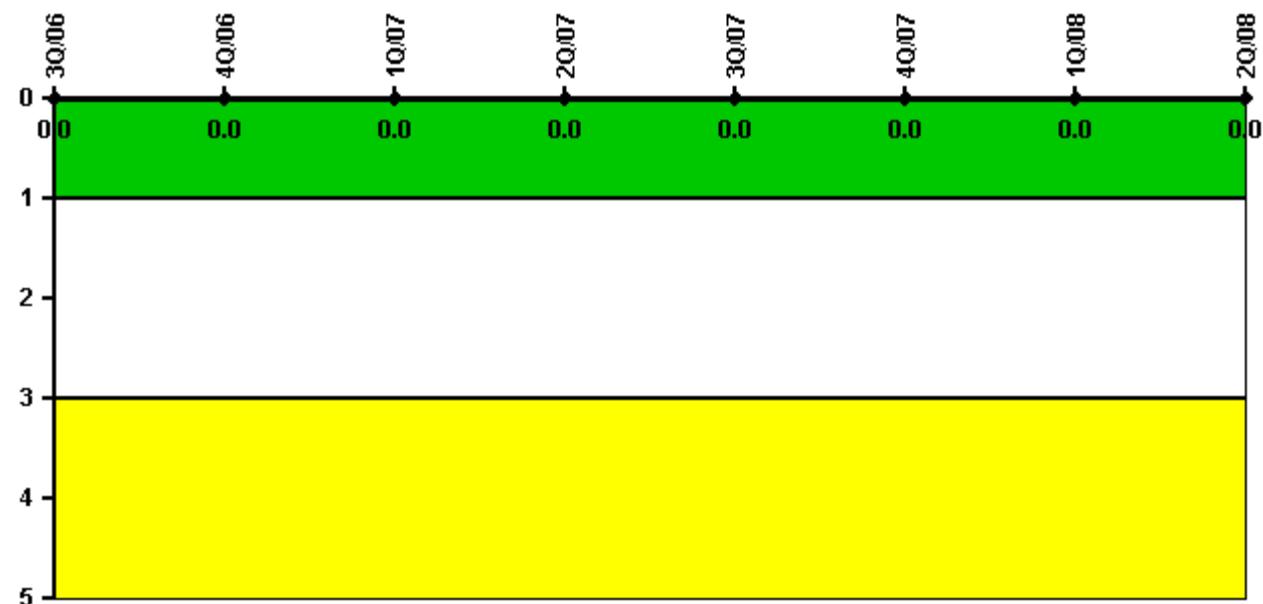
Thresholds: White > 2.0 Yellow > 5.0

### 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	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	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](#)

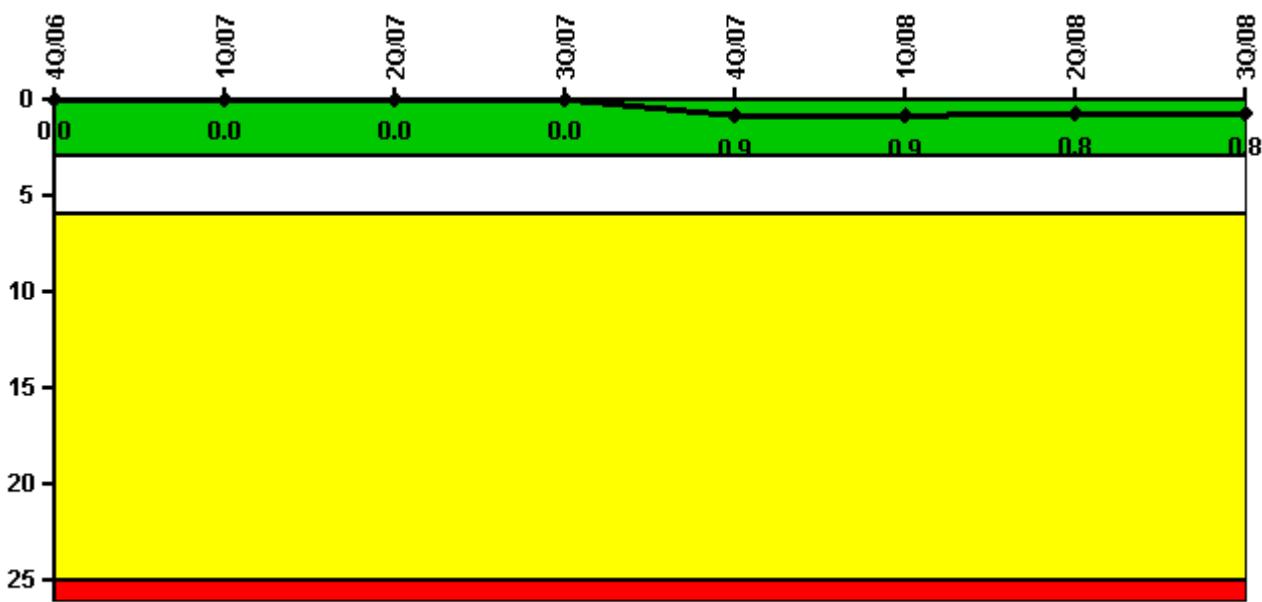
Last Modified: August 4, 2008

# Farley 2

## 3Q/2008 Performance Indicators

Licensee's General Comments: Added new Core Damage Frequency values effective Q3 2008.

### Unplanned Scrams per 7000 Critical Hrs



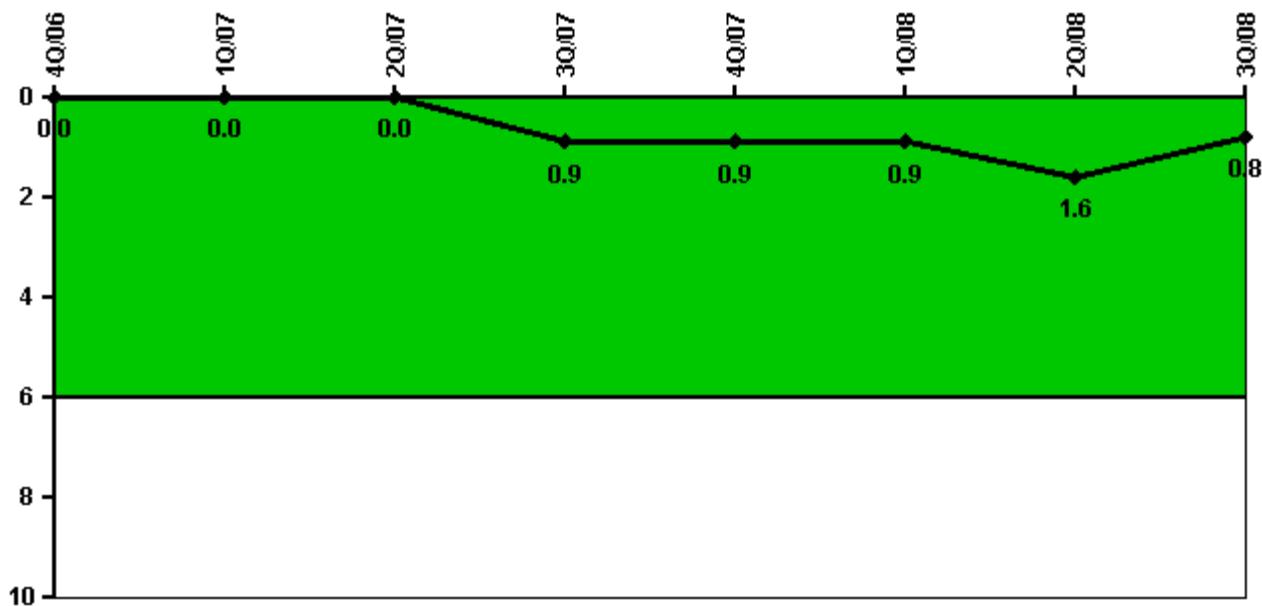
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0
Critical hours	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0.9	0.9	0.8	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

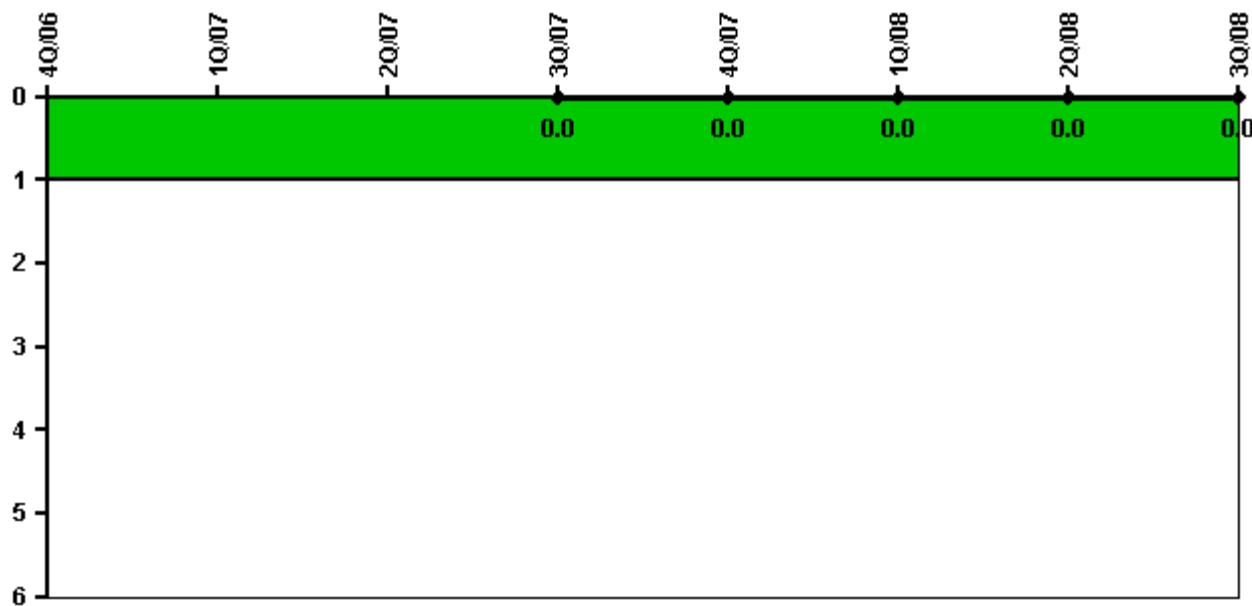
### Notes

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	1.0	0	0	1.0	0
Critical hours	2209.0	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

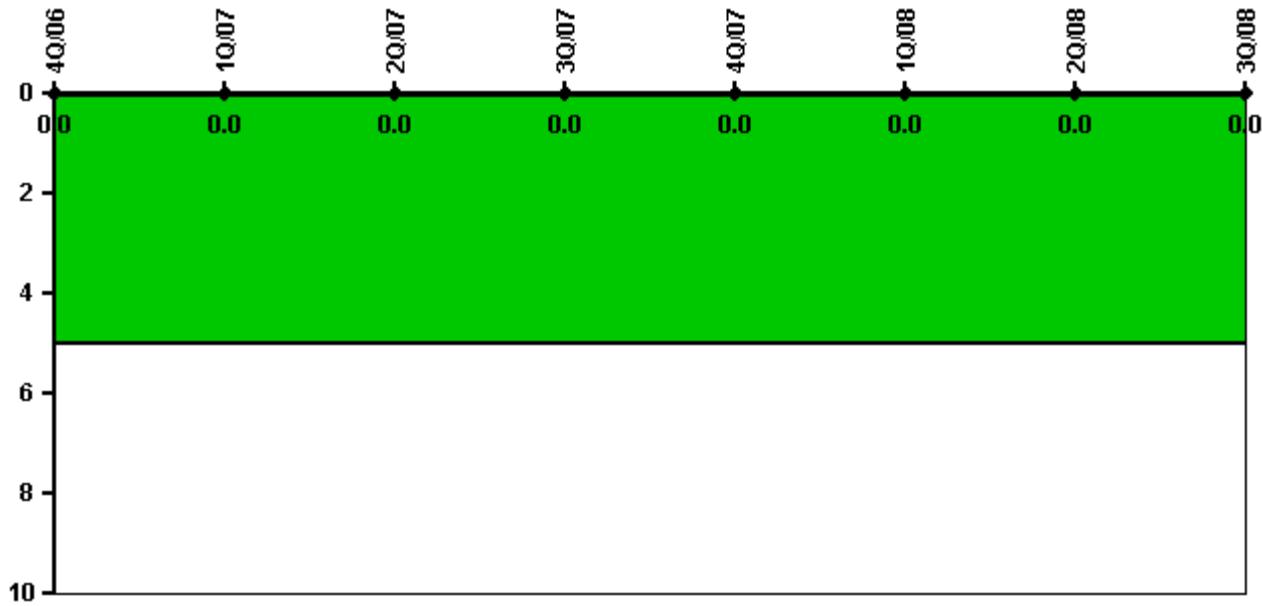
### Notes

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 (PWR)



Thresholds: White > 5.0

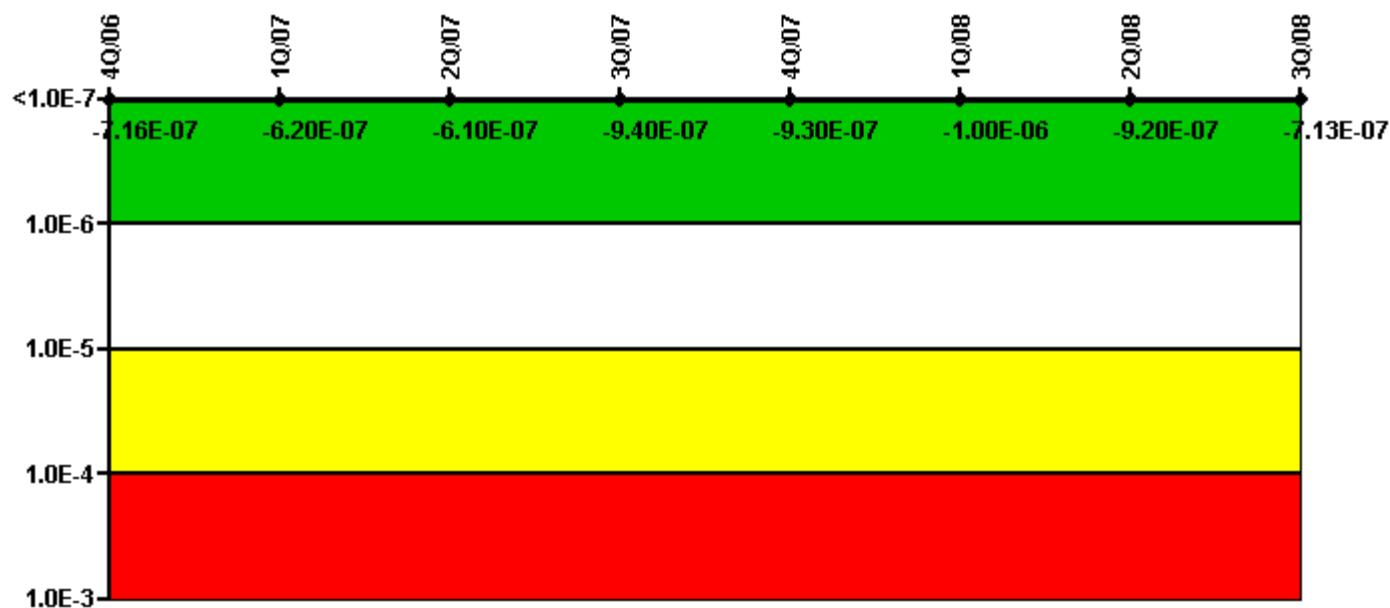
### Notes

Safety System Functional Failures (PWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
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



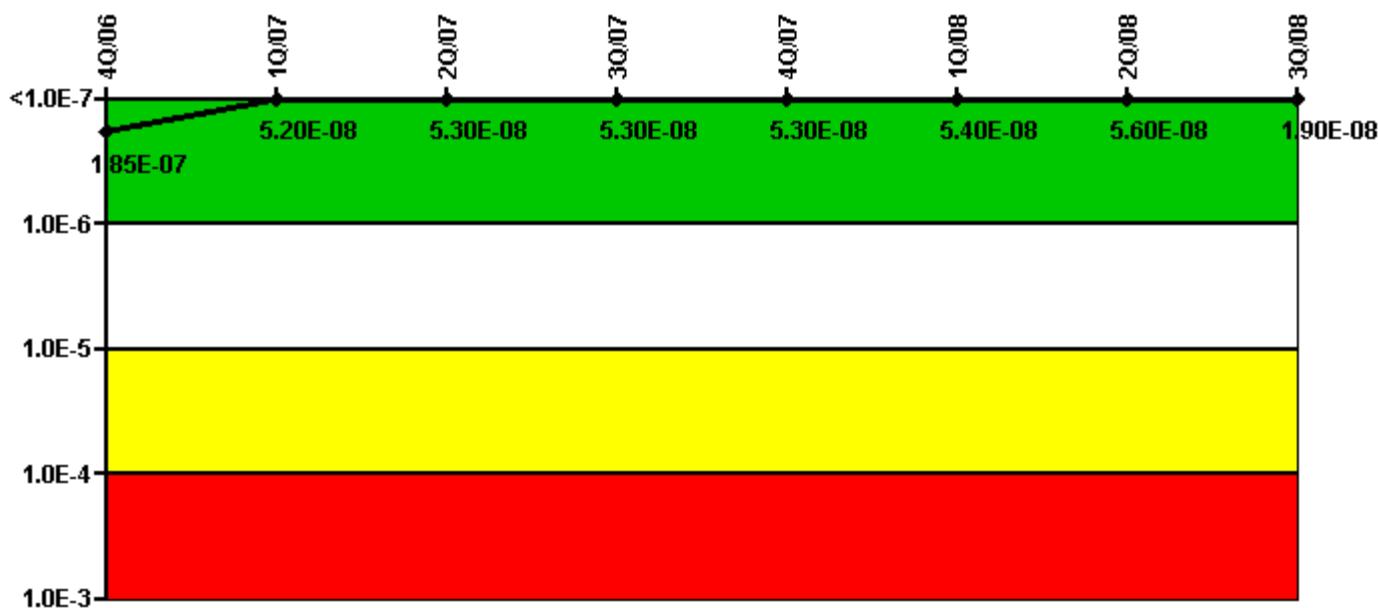
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	9.40E-08	1.90E-07	2.00E-07	1.60E-07	1.70E-07	1.00E-07	1.80E-07	1.70E-08
URI ( $\Delta$ CDF)	-8.10E-07	-8.10E-07	-8.10E-07	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-7.30E-07
PLE	NO							
Indicator value	-7.16E-07	-6.20E-07	-6.10E-07	-9.40E-07	-9.30E-07	-1.00E-06	-9.20E-07	-7.13E-07

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



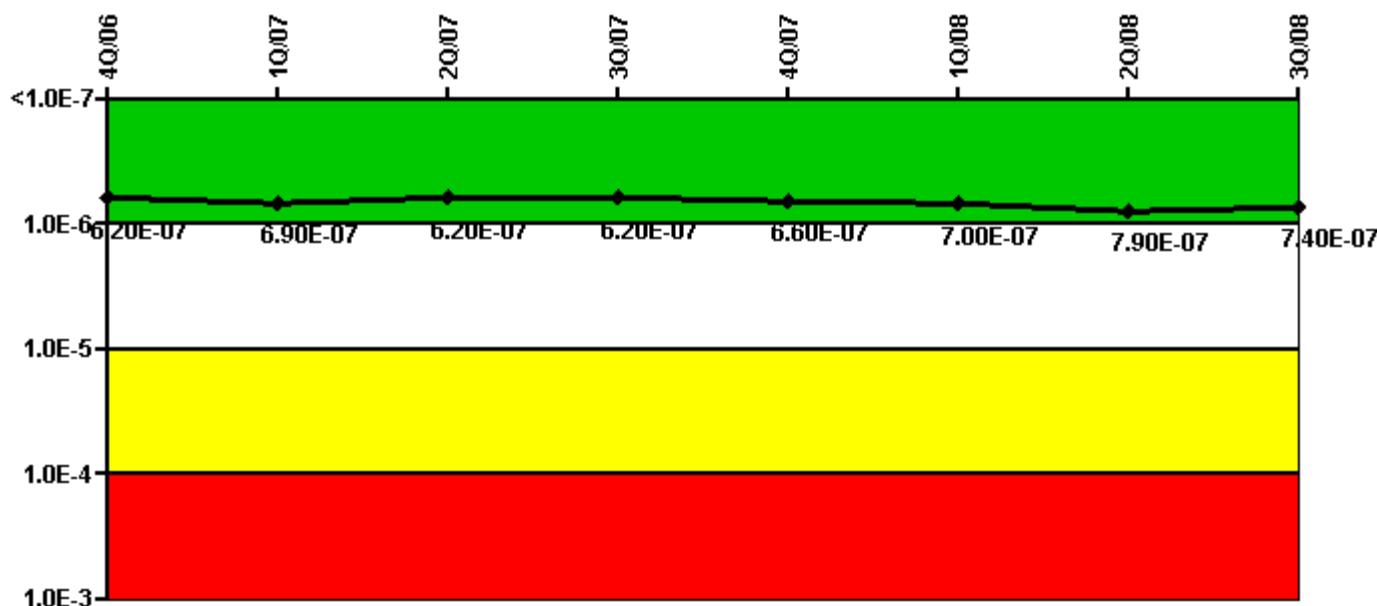
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-2.50E-08	-2.50E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.10E-08	-1.10E-08
URI ( $\Delta$ CDF)	2.10E-07	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	3.00E-08
PLE	NO							
Indicator value	<b>1.85E-07</b>	<b>5.20E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.40E-08</b>	<b>5.60E-08</b>	<b>1.90E-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

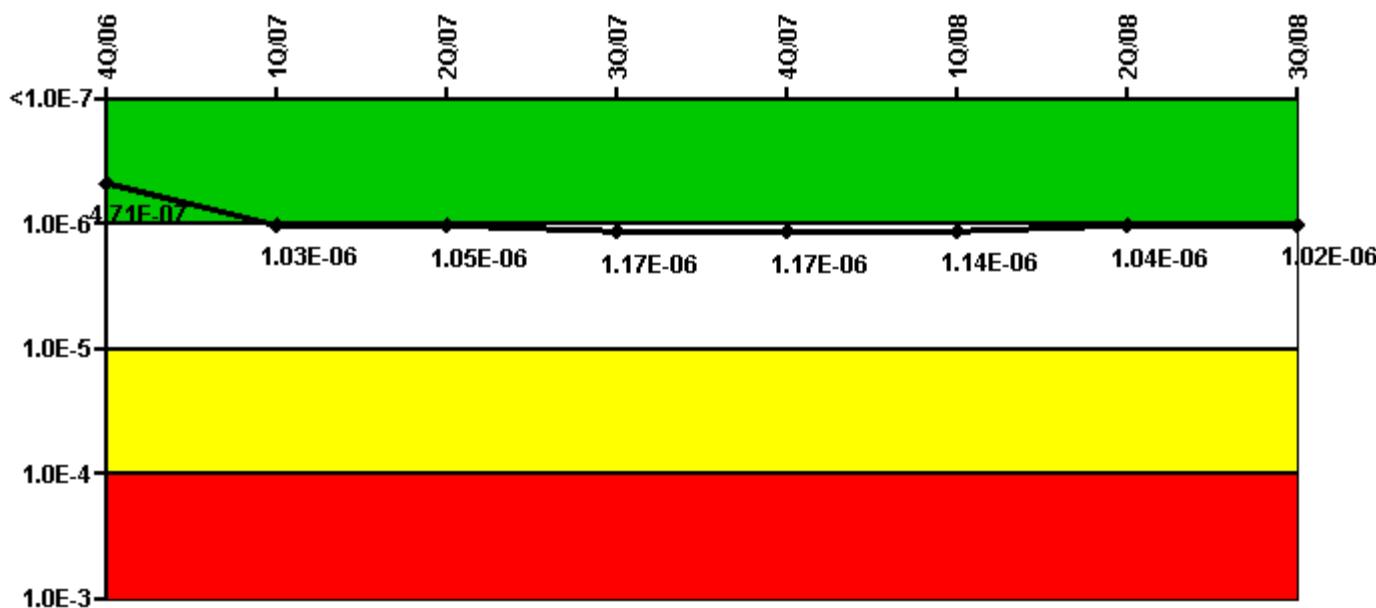
### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	1.60E-07	2.30E-07	1.60E-07	1.60E-07	2.10E-07	2.50E-07	3.40E-07	3.10E-07
URI ( $\Delta$ CDF)	4.60E-07	4.60E-07	4.60E-07	4.60E-07	4.50E-07	4.50E-07	4.50E-07	4.30E-07
PLE	NO							
Indicator value	<b>6.20E-07</b>	<b>6.90E-07</b>	<b>6.20E-07</b>	<b>6.20E-07</b>	<b>6.60E-07</b>	<b>7.00E-07</b>	<b>7.90E-07</b>	<b>7.40E-07</b>

Licensee Comments:

2Q/08: Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

## Mitigating Systems Performance Index, Residual Heat Removal System



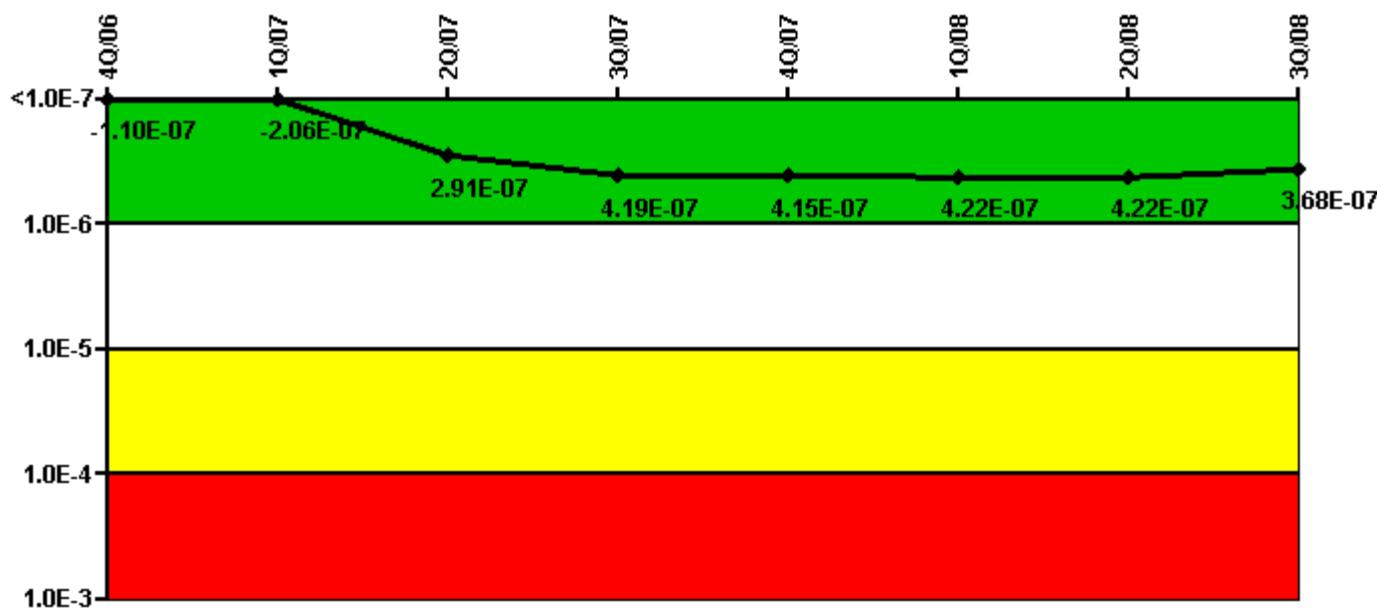
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	6.10E-08	1.20E-07	1.40E-07	2.60E-07	2.60E-07	2.30E-07	1.30E-07	9.70E-08
URI ( $\Delta$ CDF)	4.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.20E-07
PLE	NO							
Indicator value	4.71E-07	1.03E-06	1.05E-06	1.17E-06	1.17E-06	1.14E-06	1.04E-06	1.02E-06

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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-3.60E-12	4.30E-09	1.30E-09	1.90E-08	1.50E-08	2.20E-08	2.20E-08	1.80E-08
URI (ΔCDF)	-1.10E-07	-2.10E-07	2.90E-07	4.00E-07	4.00E-07	4.00E-07	4.00E-07	3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-1.10E-07</b>	<b>-2.06E-07</b>	<b>2.91E-07</b>	<b>4.19E-07</b>	<b>4.15E-07</b>	<b>4.22E-07</b>	<b>4.22E-07</b>	<b>3.68E-07</b>

### Licensee Comments:

2Q/08: Risk Cap Invoked. Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

1Q/08: Risk Cap Invoked. Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

4Q/07: Risk Cap Invoked. Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

3Q/07: Risk Cap Invoked. Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

2Q/07: Risk Cap Invoked. Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

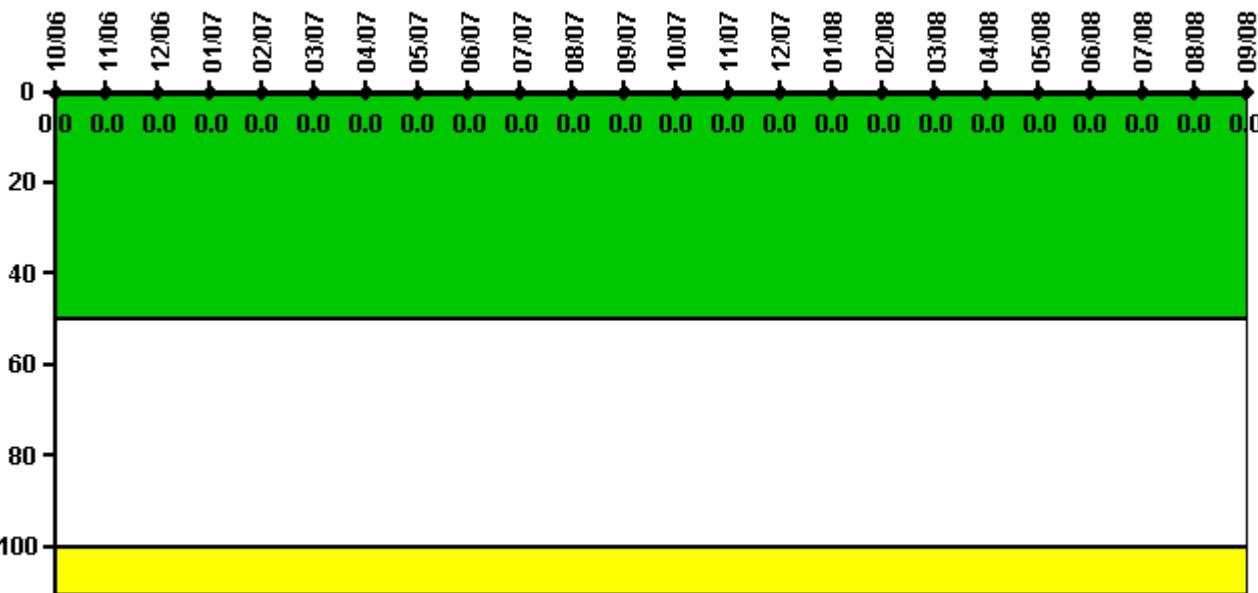
1Q/07: Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

4Q/06: Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

3Q/06: Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

2Q/06: Added new Core Damage Frequency values effective Q3 2008. Used override method affecting values from Q2 2006 through Q2 2008. Color unaffected.

## Reactor Coolant System Activity



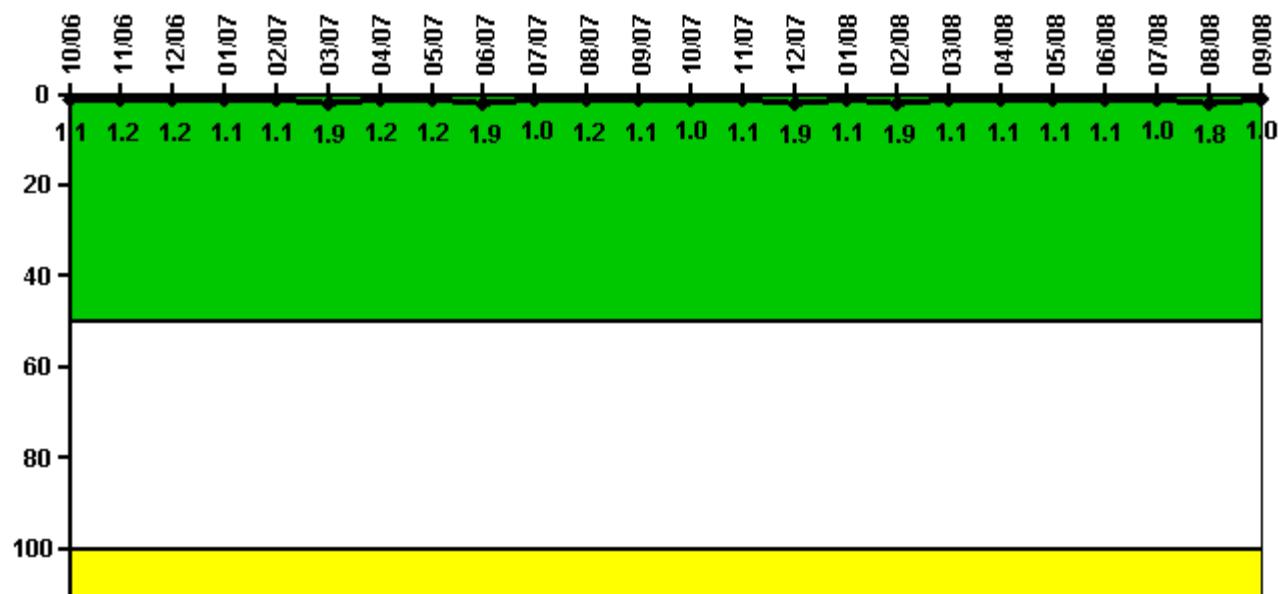
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000102	0.000111	0.000115	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055	0.000041	0.000061	0.000064
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000061	0.000069	0.000081	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059	0.000055	0.000055	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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

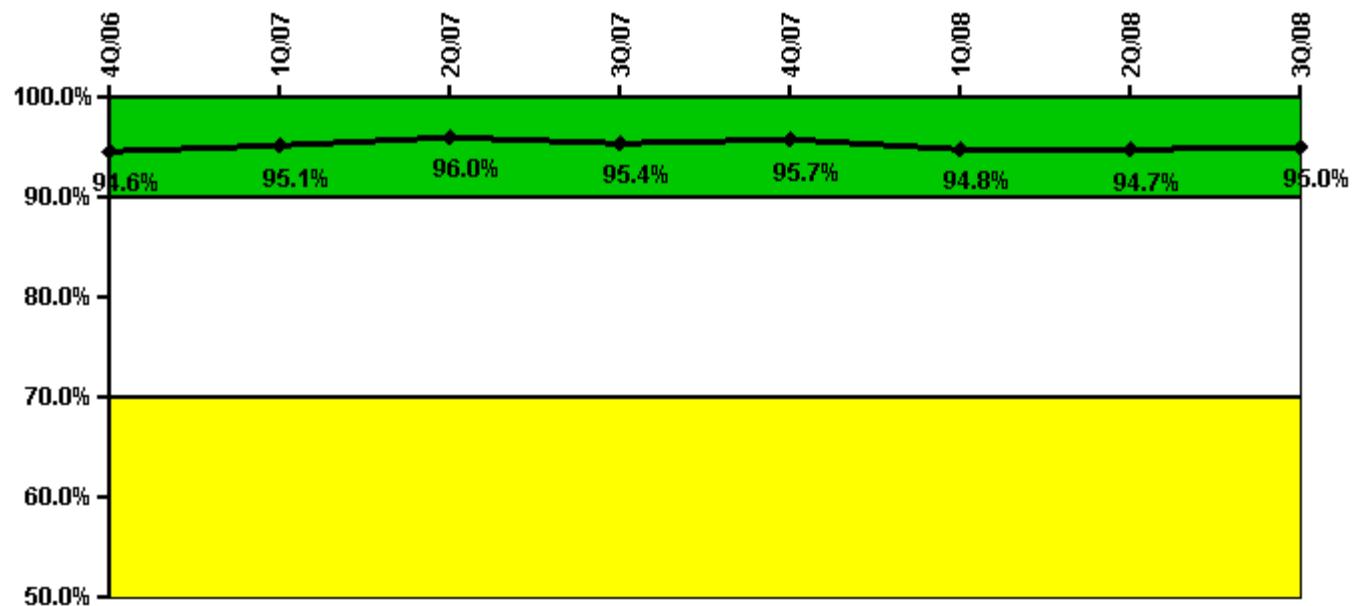
### Notes

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	0.110	0.120	0.120	0.110	0.110	0.190	0.120	0.120	0.190	0.100	0.120	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.1</b>	<b>1.9</b>	<b>1.2</b>	<b>1.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.2</b>	<b>1.1</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	0.100	0.110	0.190	0.110	0.190	0.110	0.110	0.110	0.110	0.100	0.180	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.0</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>

Licensee Comments: none

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## Drill/Exercise Performance



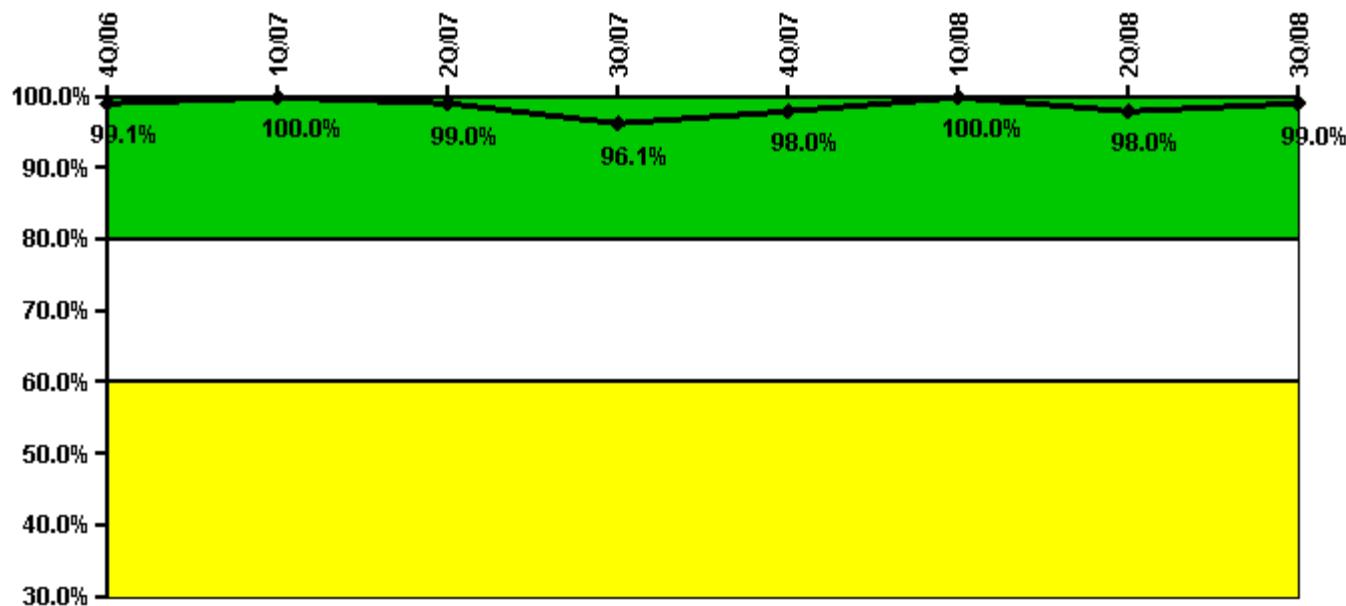
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	46.0	28.0	8.0	12.0	14.0	57.0	19.0	27.0
Total opportunities	50.0	28.0	8.0	12.0	14.0	62.0	20.0	28.0
Indicator value	94.6%	95.1%	96.0%	95.4%	95.7%	94.8%	94.7%	95.0%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

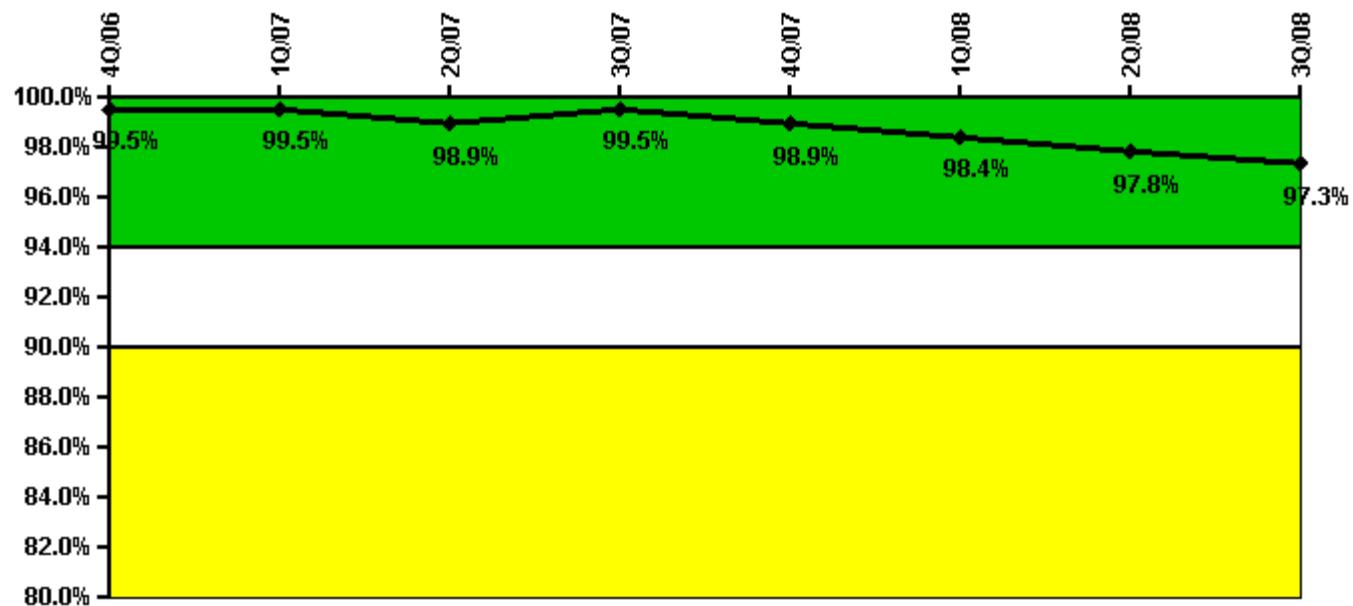
### Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	105.0	109.0	101.0	99.0	100.0	103.0	99.0	98.0
Total Key personnel	106.0	109.0	102.0	103.0	102.0	103.0	101.0	99.0
Indicator value	99.1%	100.0%	99.0%	96.1%	98.0%	100.0%	98.0%	99.0%

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

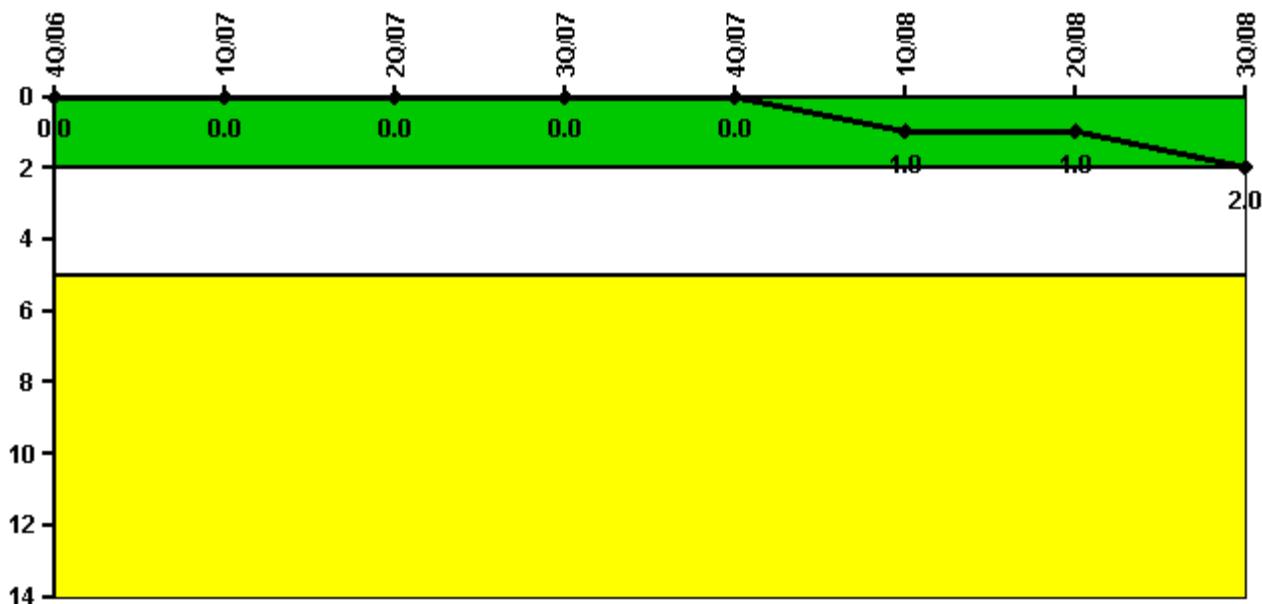
### Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	48	48	47	45	47	44	43	44
Total sirens-tests	48	48	48	45	48	45	45	45
<b>Indicator value</b>	<b>99.5%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.4%</b>	<b>97.8%</b>	<b>97.3%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



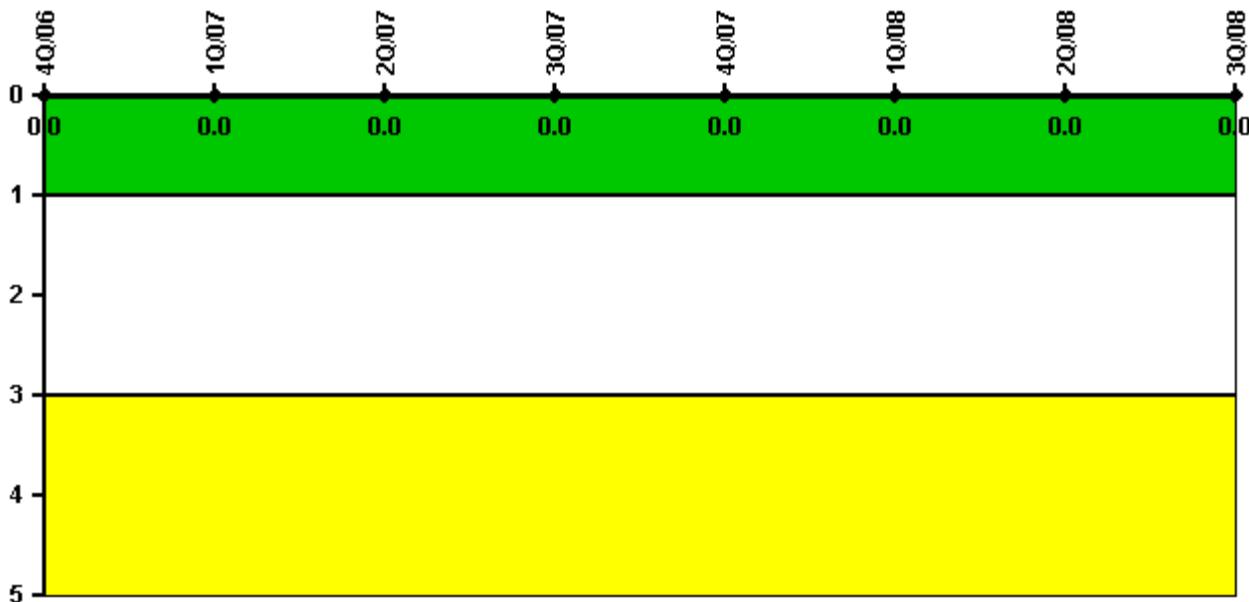
Thresholds: White > 2.0 Yellow > 5.0

### 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	1	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</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](#)

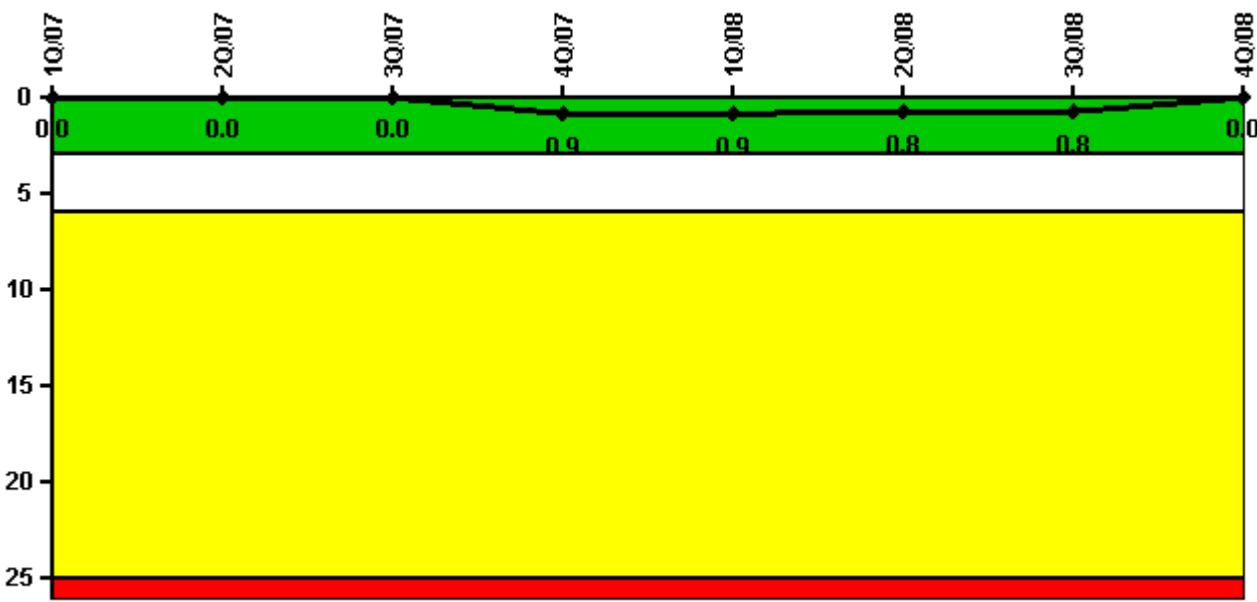
Last Modified: November 26, 2008

# Farley 2

## 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

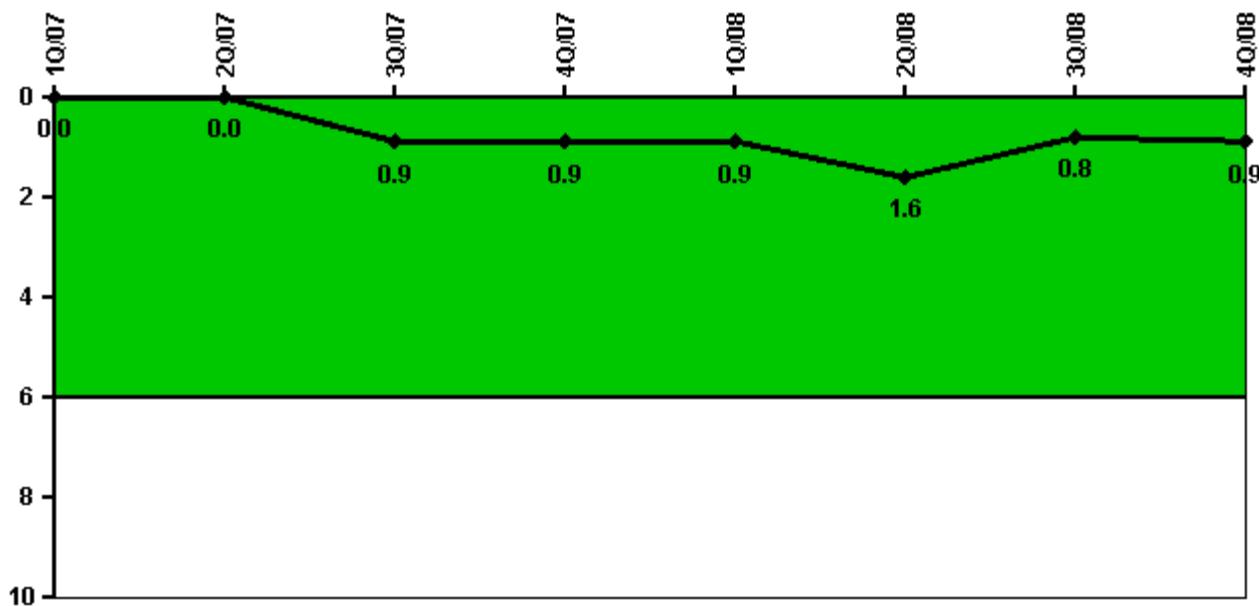
### Notes

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	1.0	0	0	0	0
Critical hours	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4
Indicator value	0	0	0	0.9	0.9	0.8	0.8	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

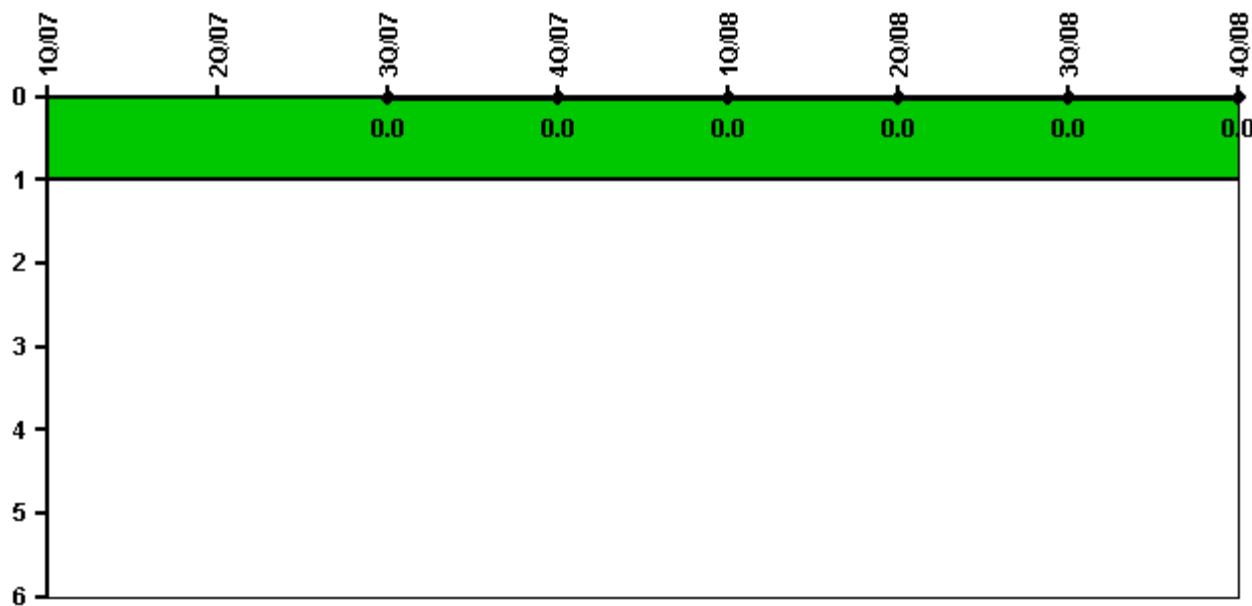
### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2159.0	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4
Indicator value	0	0	0.9	0.9	0.9	1.6	0.8	0.9

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

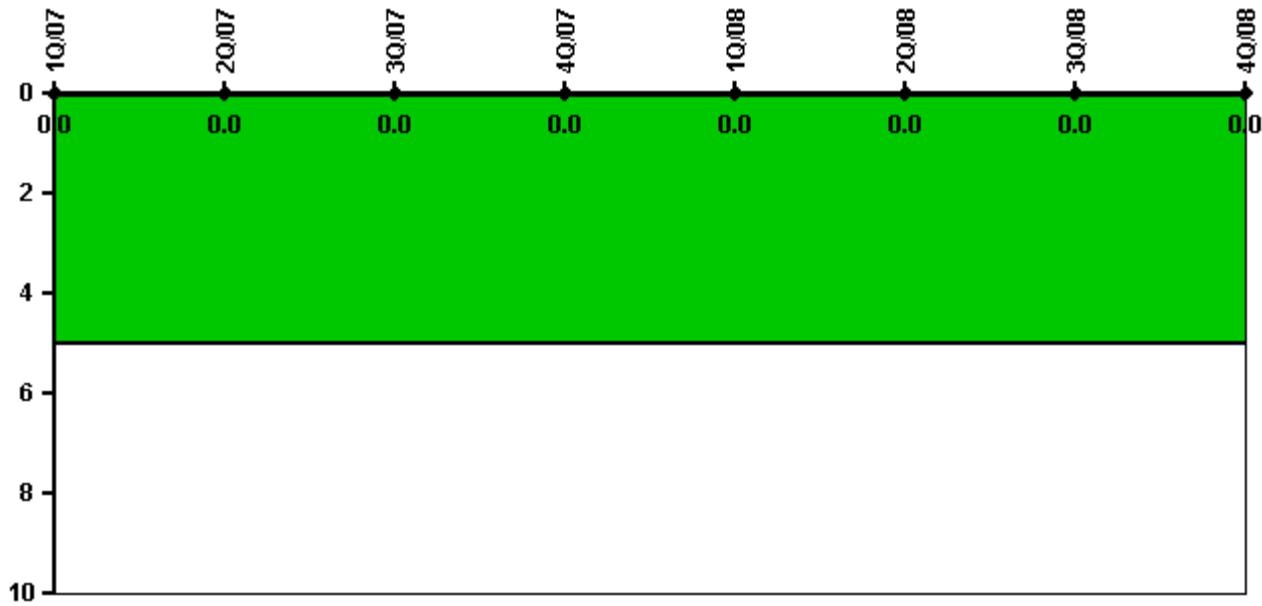
### Notes

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 (PWR)



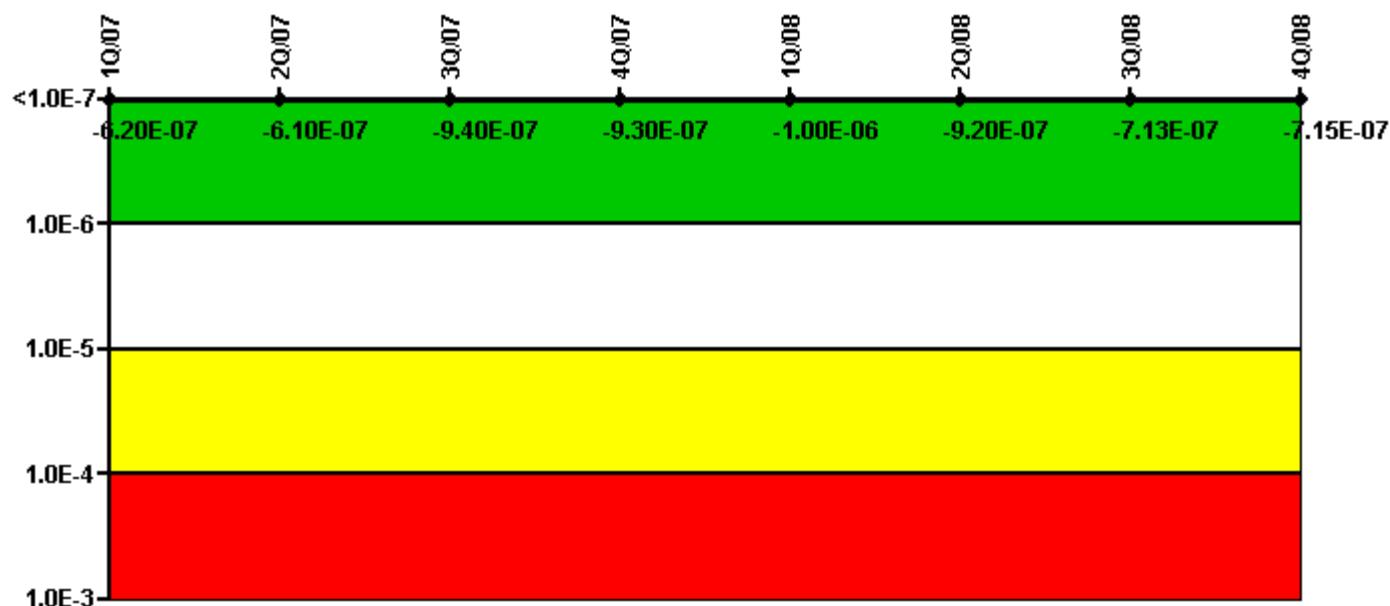
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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



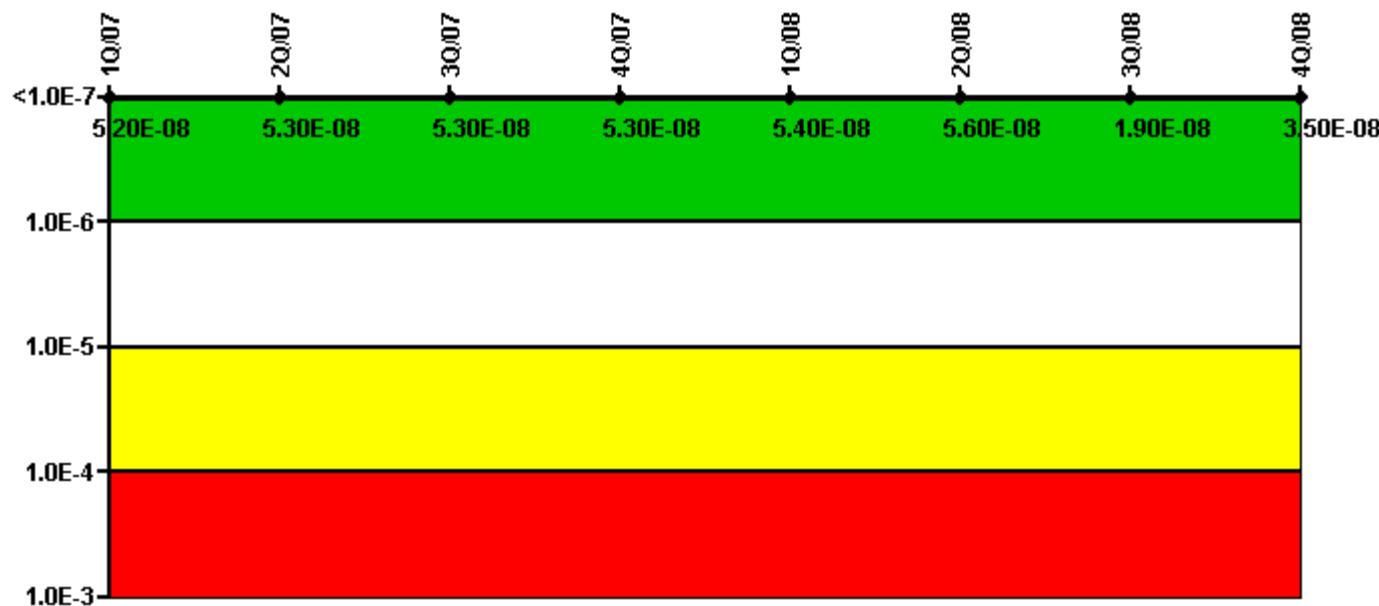
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.90E-07	2.00E-07	1.60E-07	1.70E-07	1.00E-07	1.80E-07	1.70E-08	1.50E-08
URI (ΔCDF)	-8.10E-07	-8.10E-07	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-7.30E-07	-7.30E-07
PLE	NO							
Indicator value	<b>-6.20E-07</b>	<b>-6.10E-07</b>	<b>-9.40E-07</b>	<b>-9.30E-07</b>	<b>-1.00E-06</b>	<b>-9.20E-07</b>	<b>-7.13E-07</b>	<b>-7.15E-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

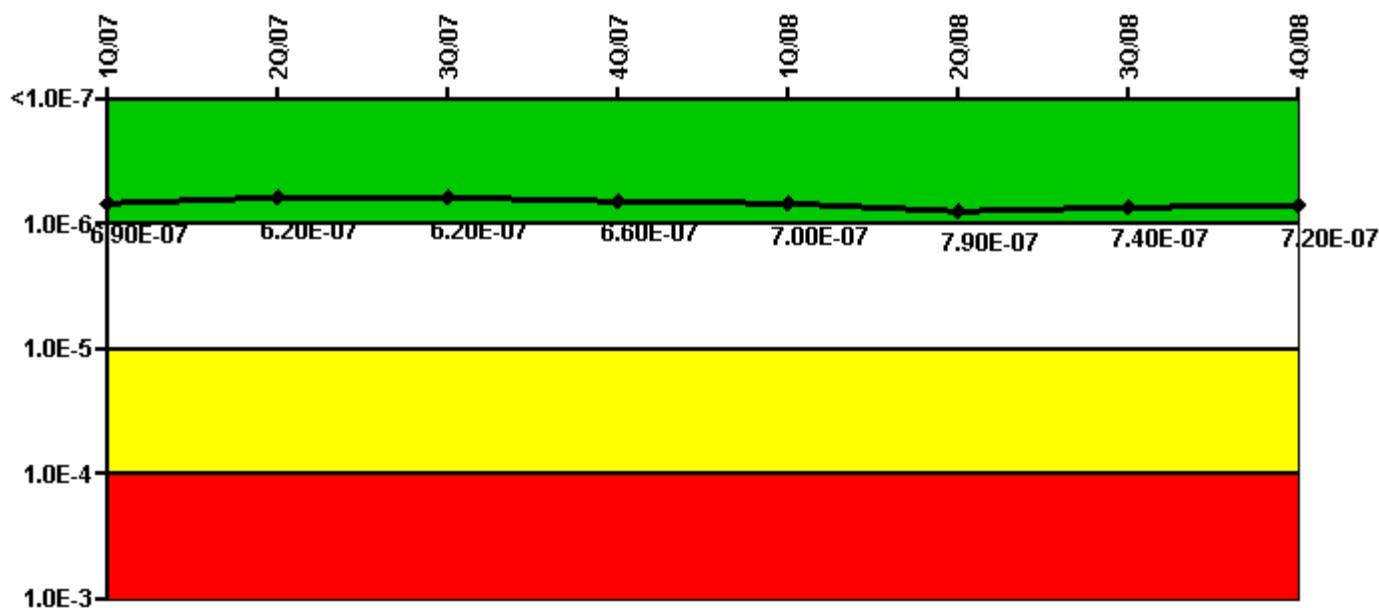
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI ( $\Delta$ CDF)	-2.50E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.10E-08	-1.10E-08	6.70E-08
URI ( $\Delta$ CDF)	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	3.00E-08	-3.20E-08
PLE	NO							
Indicator value	5.20E-08	5.30E-08	5.30E-08	5.30E-08	5.40E-08	5.60E-08	1.90E-08	3.50E-08

Licensee Comments: none

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## Mitigating Systems Performance Index, Heat Removal System



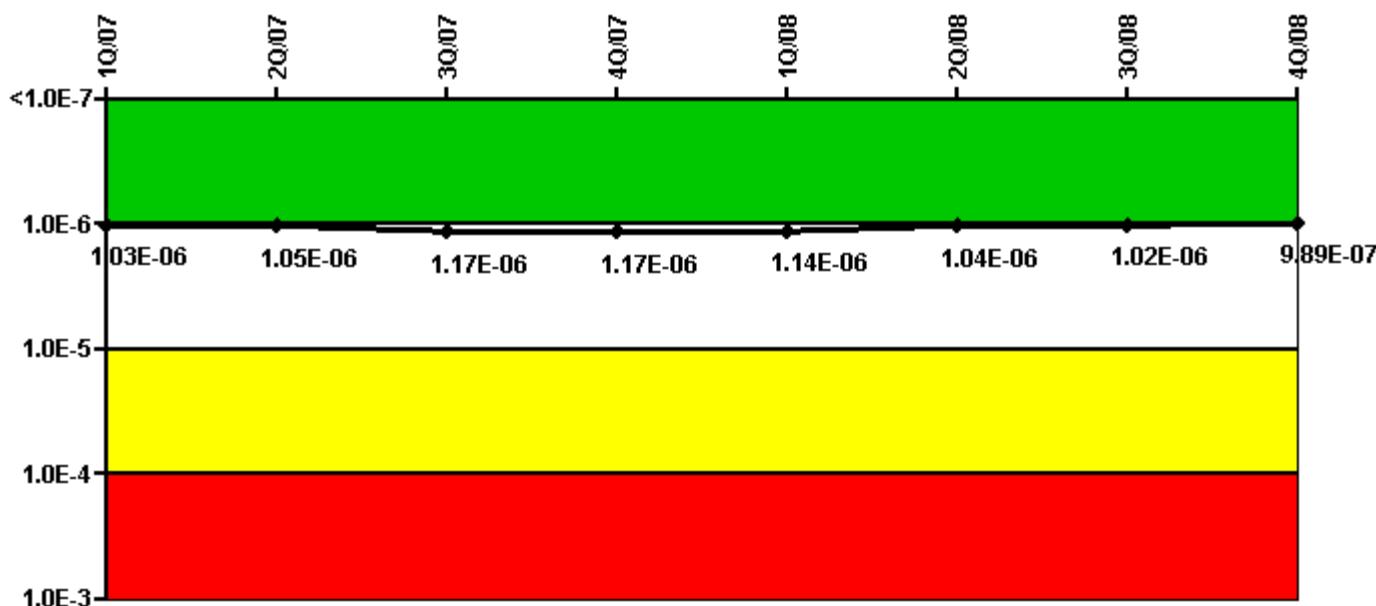
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	2.30E-07	1.60E-07	1.60E-07	2.10E-07	2.50E-07	3.40E-07	3.10E-07	2.90E-07
URI (ΔCDF)	4.60E-07	4.60E-07	4.60E-07	4.50E-07	4.50E-07	4.50E-07	4.30E-07	4.30E-07
PLE	NO							
Indicator value	<b>6.90E-07</b>	<b>6.20E-07</b>	<b>6.20E-07</b>	<b>6.60E-07</b>	<b>7.00E-07</b>	<b>7.90E-07</b>	<b>7.40E-07</b>	<b>7.20E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



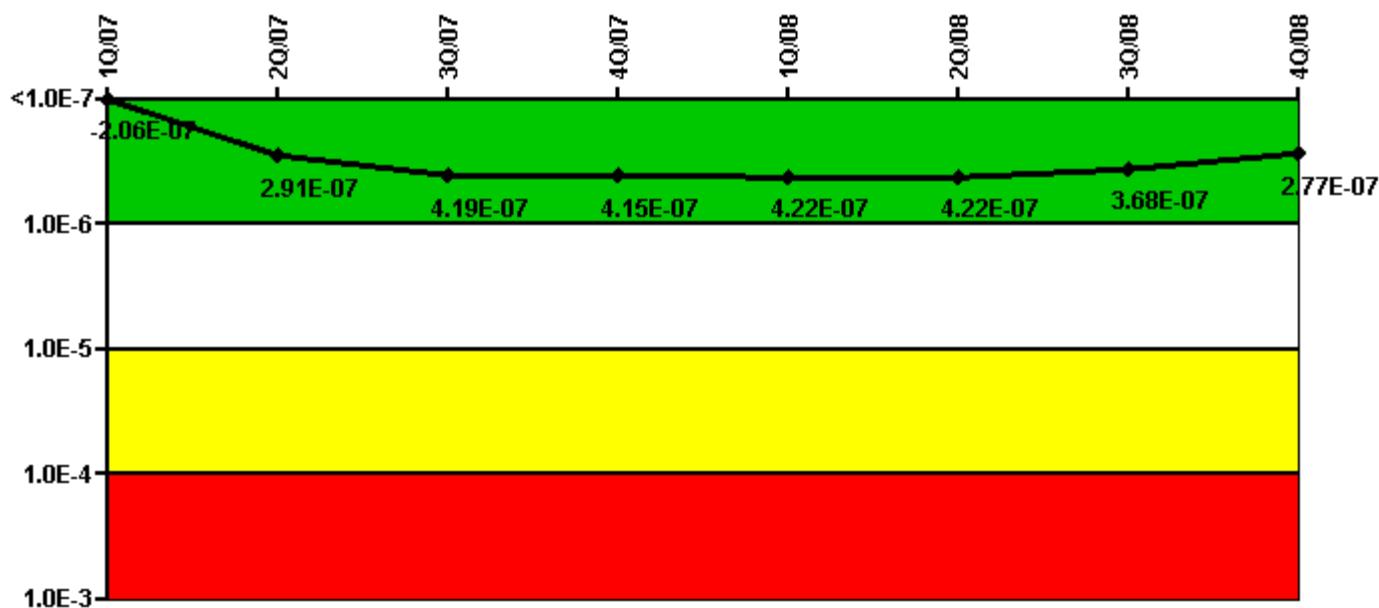
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.20E-07	1.40E-07	2.60E-07	2.60E-07	2.30E-07	1.30E-07	9.70E-08	6.90E-08
URI (ΔCDF)	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.20E-07	9.20E-07
PLE	NO							
Indicator value	1.03E-06	1.05E-06	1.17E-06	1.17E-06	1.14E-06	1.04E-06	1.02E-06	9.89E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



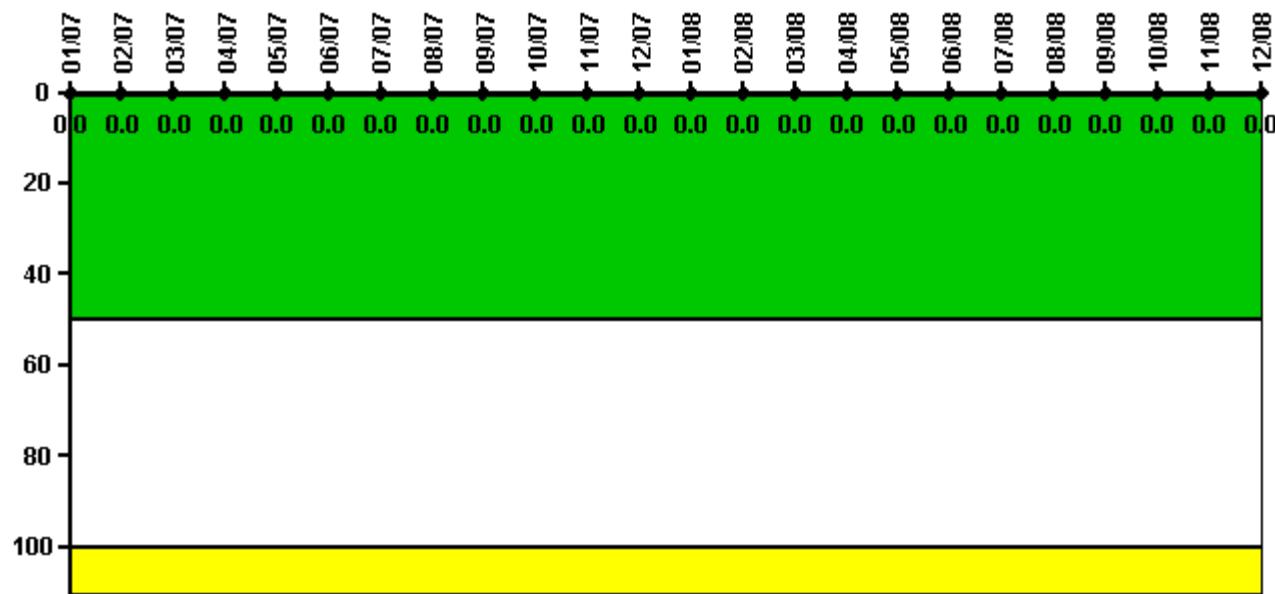
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	4.30E-09	1.30E-09	1.90E-08	1.50E-08	2.20E-08	2.20E-08	1.80E-08	1.70E-08
URI (ΔCDF)	-2.10E-07	2.90E-07	4.00E-07	4.00E-07	4.00E-07	4.00E-07	3.50E-07	2.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-2.06E-07</b>	<b>2.91E-07</b>	<b>4.19E-07</b>	<b>4.15E-07</b>	<b>4.22E-07</b>	<b>4.22E-07</b>	<b>3.68E-07</b>	<b>2.77E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



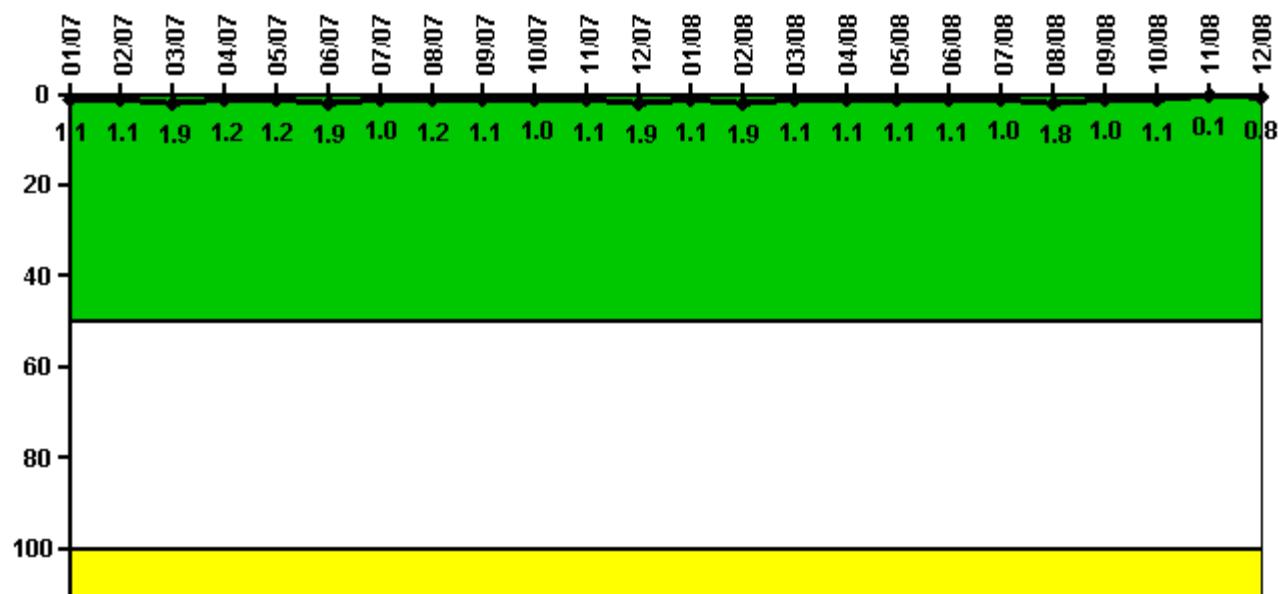
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000119	0.000122	0.000125	0.000115	0.000053	0.000055	0.000041	0.000061	0.000064	0.000061	0.000069	0.000081
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059	0.000055	0.000055	0.000055	0.000056	0.000030	0.000039
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



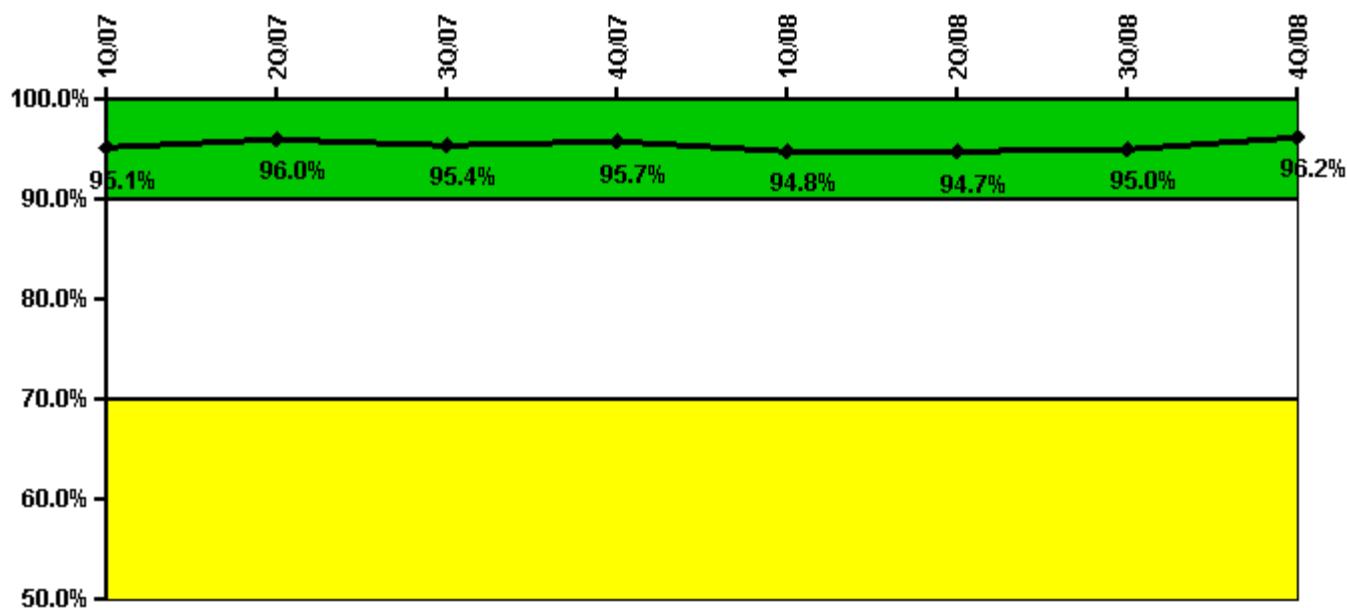
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.110	0.110	0.190	0.120	0.120	0.190	0.100	0.120	0.110	0.100	0.110	0.190
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>1.1</b>	<b>1.9</b>	<b>1.2</b>	<b>1.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>1.1</b>	<b>1.9</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	0.110	0.190	0.110	0.110	0.110	0.110	0.100	0.180	0.100	0.110	0.010	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>

Licensee Comments: none

## Drill/Exercise Performance



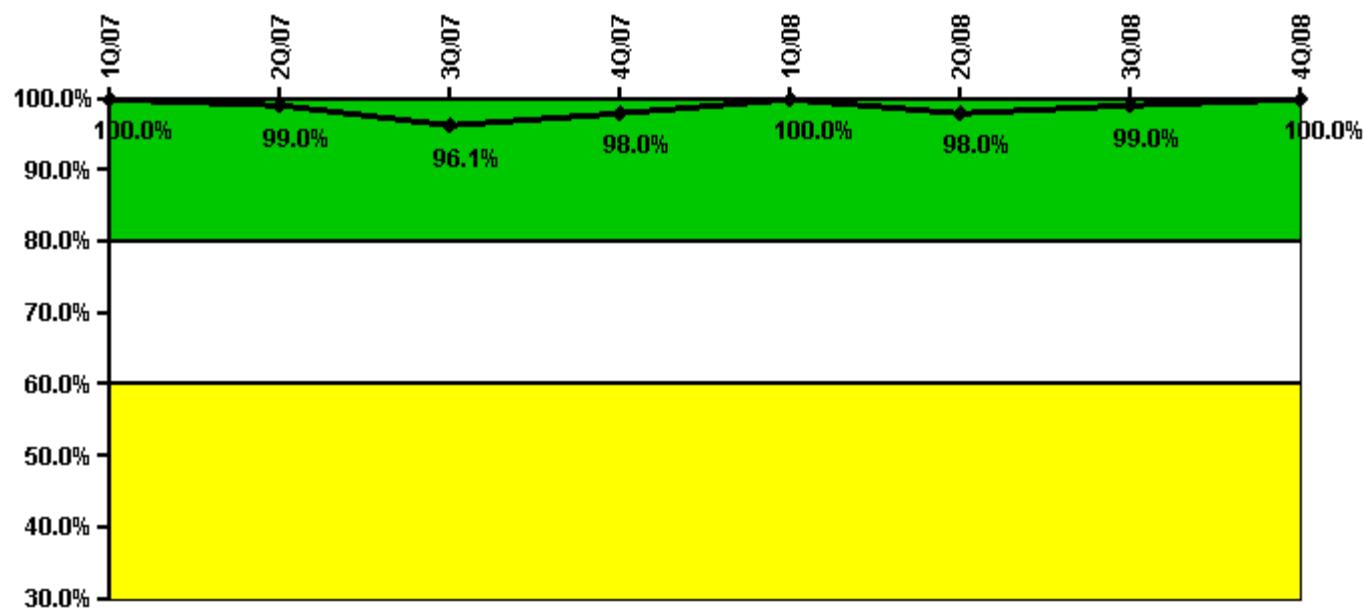
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	28.0	8.0	12.0	14.0	57.0	19.0	27.0	13.0
Total opportunities	28.0	8.0	12.0	14.0	62.0	20.0	28.0	13.0
Indicator value	95.1%	96.0%	95.4%	95.7%	94.8%	94.7%	95.0%	96.2%

Licensee Comments: none

## ERO Drill Participation



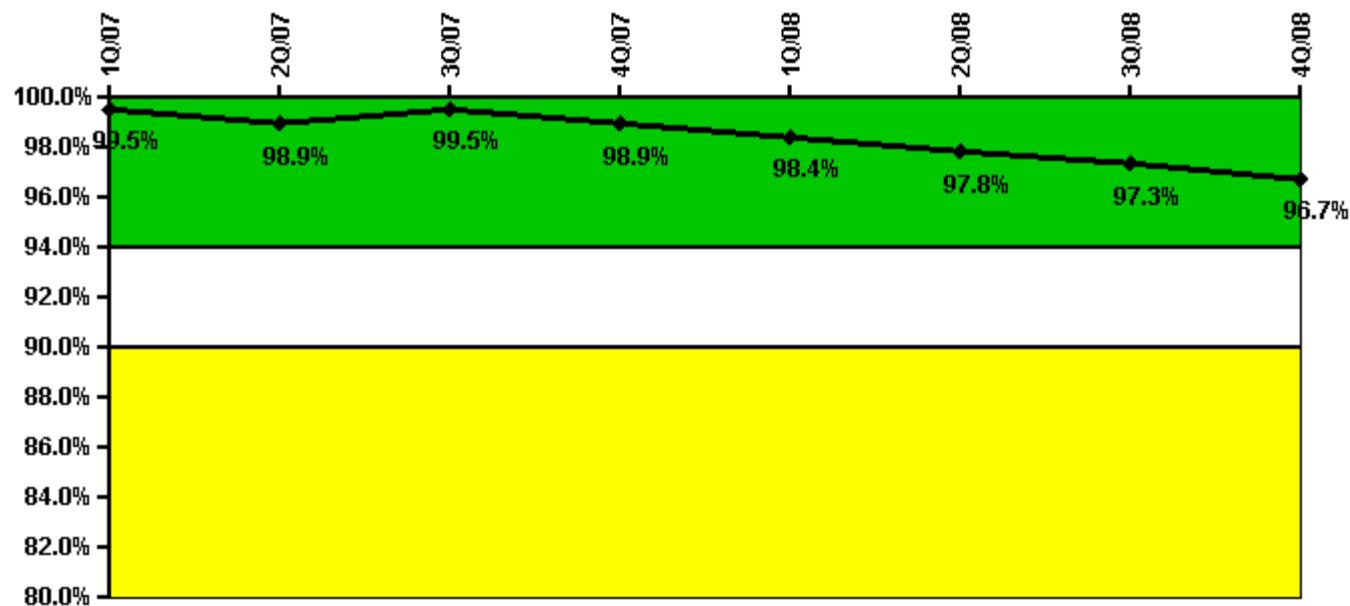
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	109.0	101.0	99.0	100.0	103.0	99.0	98.0	107.0
Total Key personnel	109.0	102.0	103.0	102.0	103.0	101.0	99.0	107.0
Indicator value	100.0%	99.0%	96.1%	98.0%	100.0%	98.0%	99.0%	100.0%

Licensee Comments: none

## Alert & Notification System



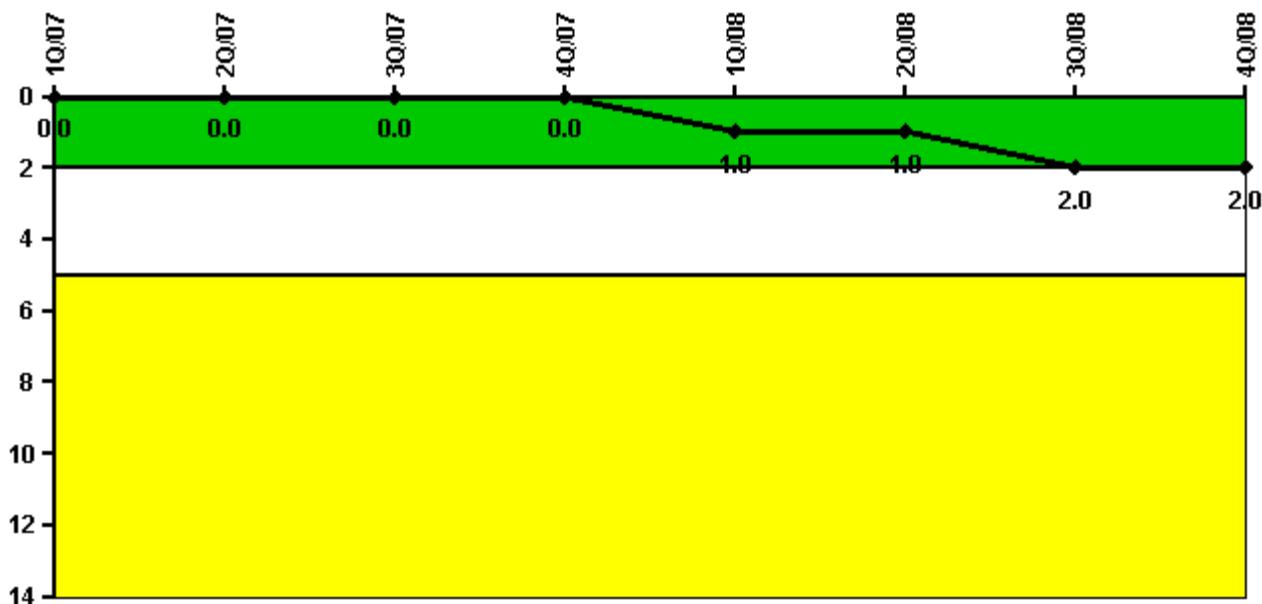
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	48	47	45	47	44	43	44	46
Total sirens-tests	48	48	45	48	45	45	45	48
Indicator value	99.5%	98.9%	99.5%	98.9%	98.4%	97.8%	97.3%	96.7%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



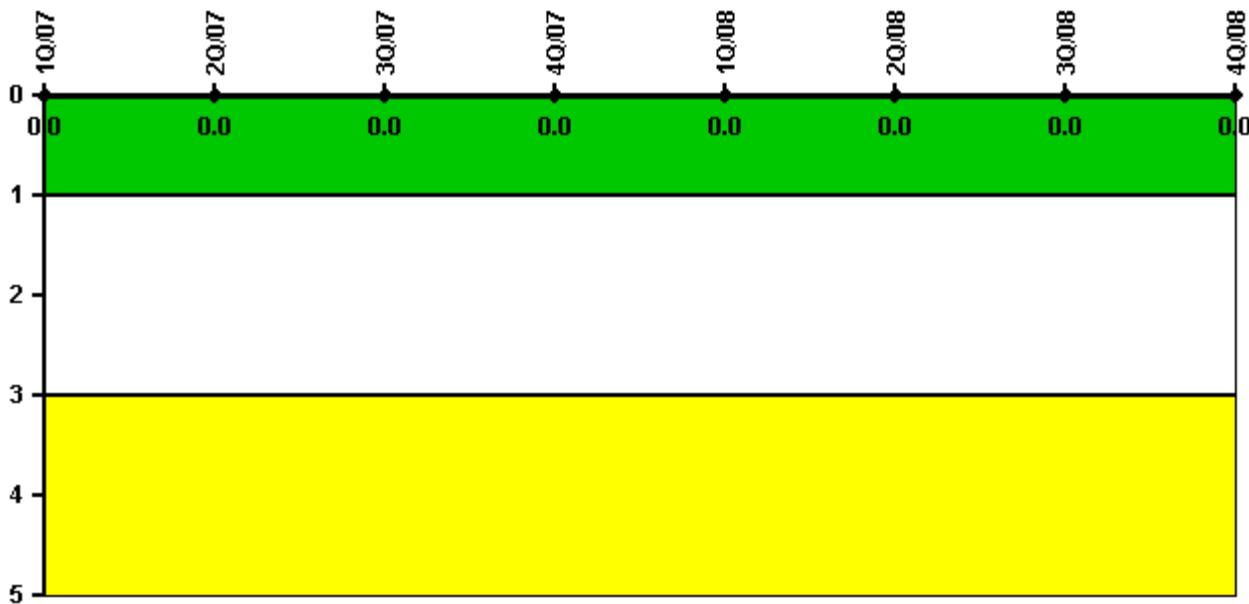
Thresholds: White > 2.0 Yellow > 5.0

### 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	1	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
Indicator value	0	0	0	0	1	1	2	2

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.

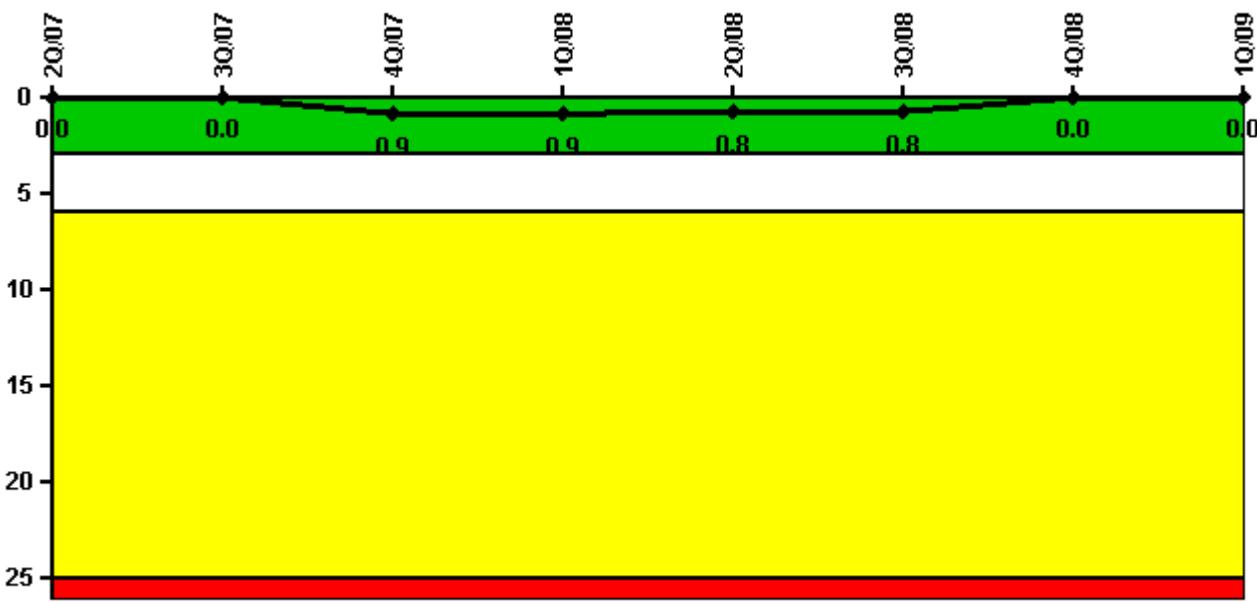
---

# Farley 2

## 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

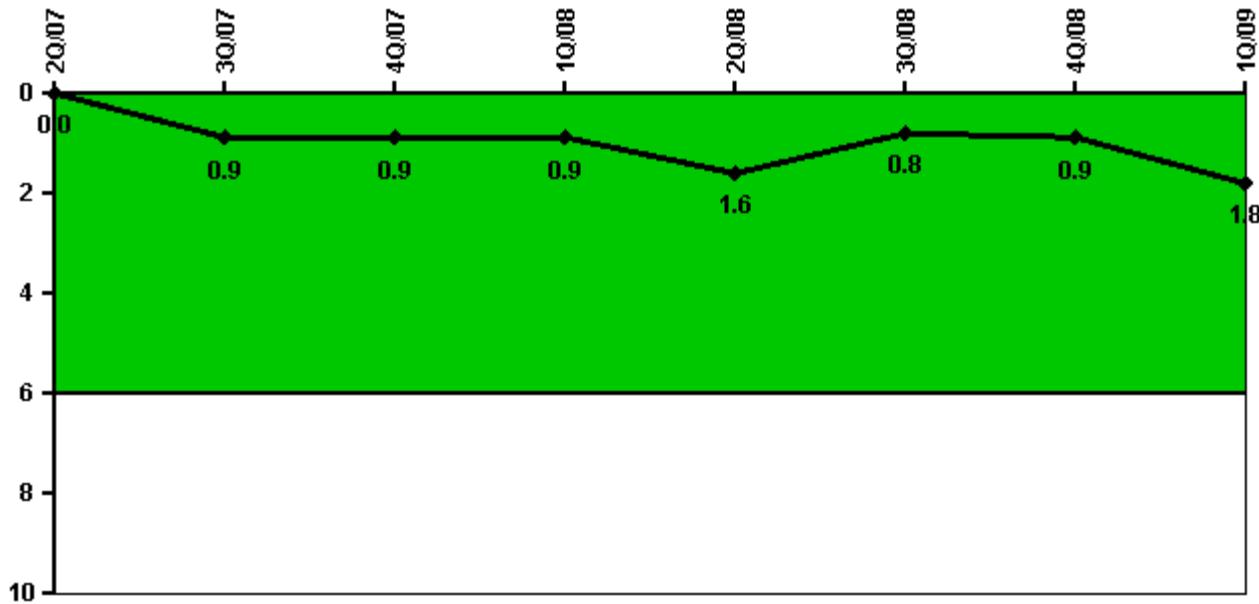
### Notes

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	1.0	0	0	0	0	0
Critical hours	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9
Indicator value	0	0	0.9	0.9	0.8	0.8	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

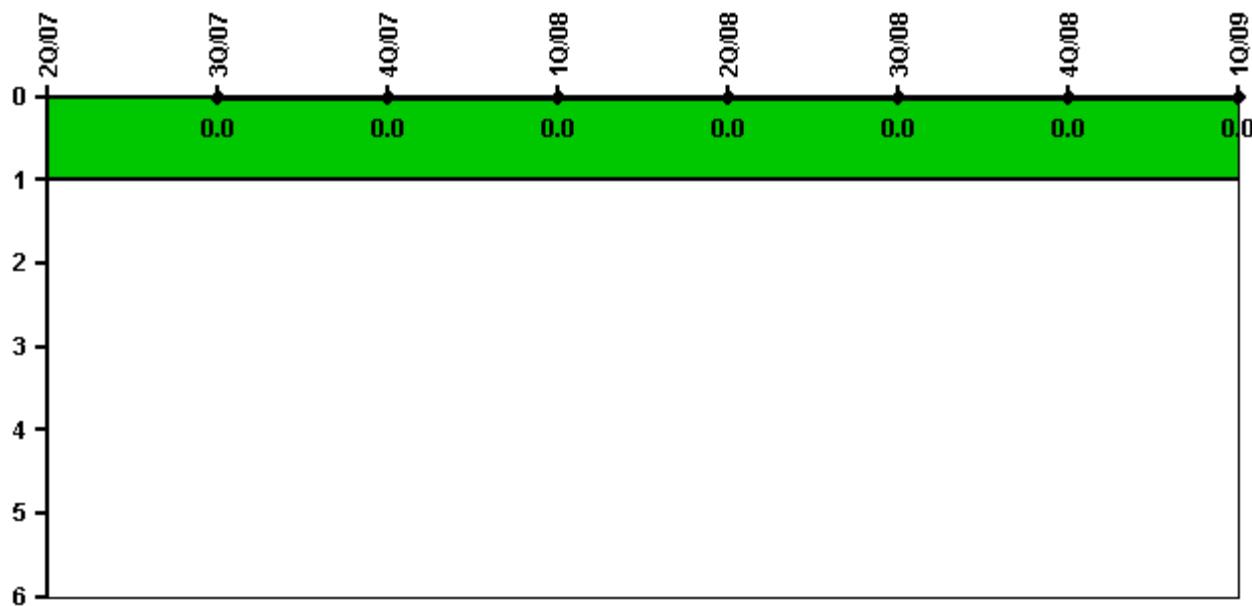
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	1.0	0	0	1.0	0	0	1.0
Critical hours	1226.5	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9
Indicator value	0	0.9	0.9	0.9	1.6	0.8	0.9	1.8

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

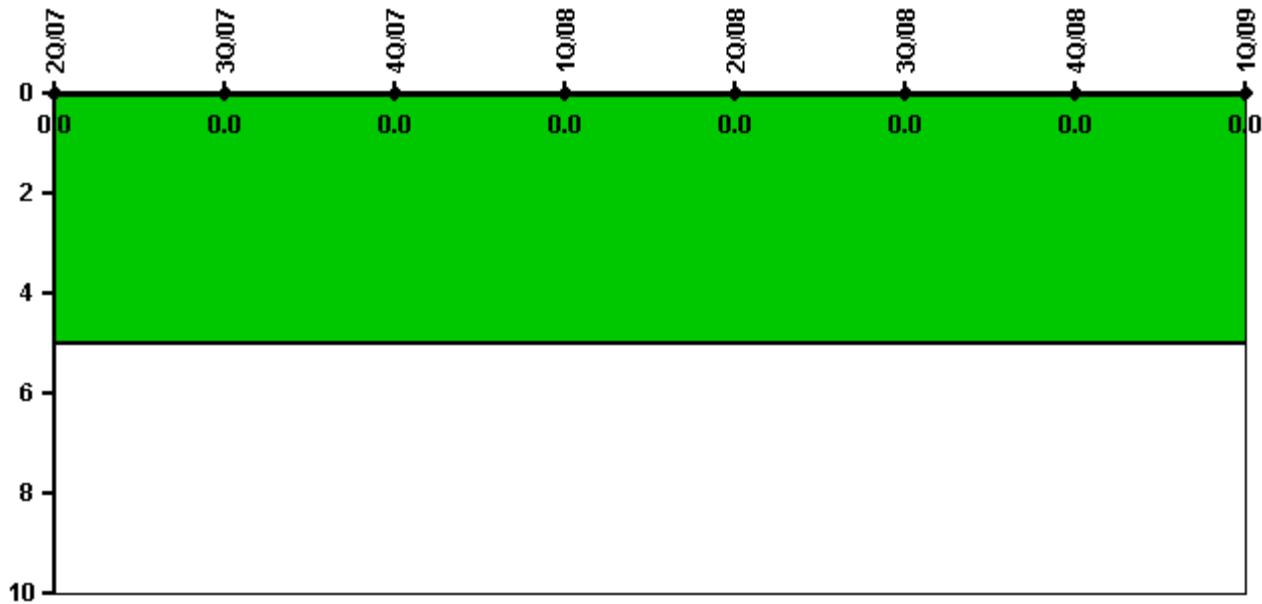
### Notes

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

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## Safety System Functional Failures (PWR)



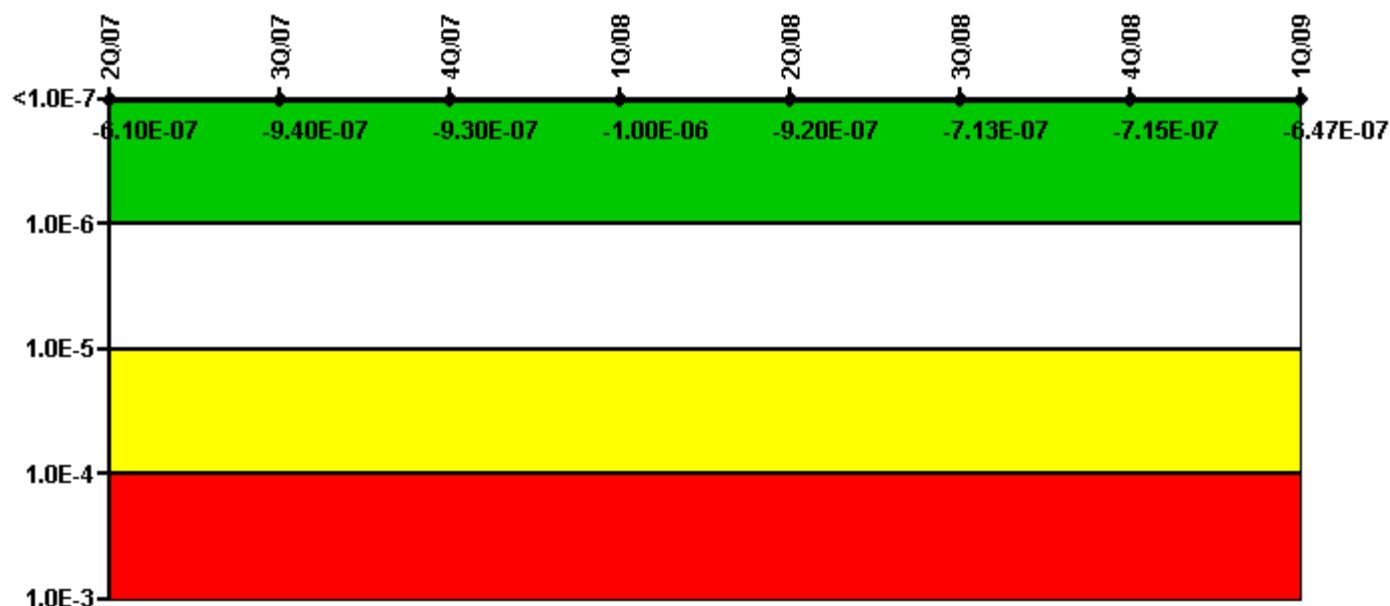
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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



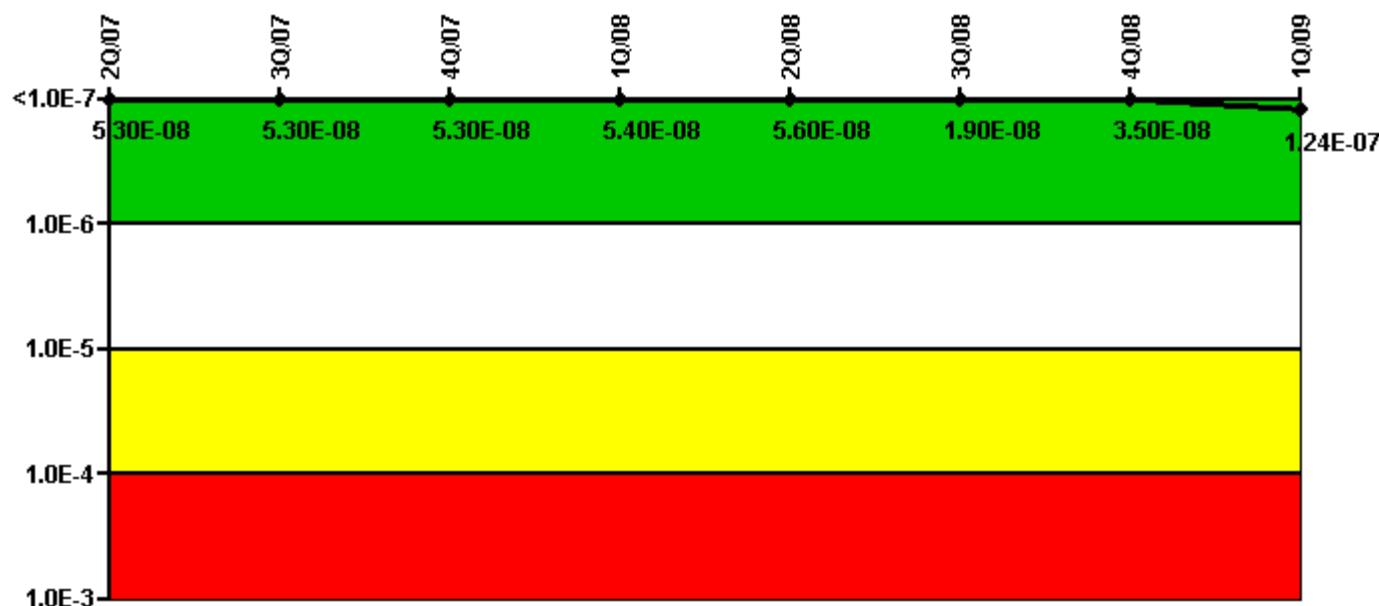
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	2.00E-07	1.60E-07	1.70E-07	1.00E-07	1.80E-07	1.70E-08	1.50E-08	8.30E-08
URI (ΔCDF)	-8.10E-07	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-7.30E-07	-7.30E-07	-7.30E-07
PLE	NO							
Indicator value	<b>-6.10E-07</b>	<b>-9.40E-07</b>	<b>-9.30E-07</b>	<b>-1.00E-06</b>	<b>-9.20E-07</b>	<b>-7.13E-07</b>	<b>-7.15E-07</b>	<b>-6.47E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



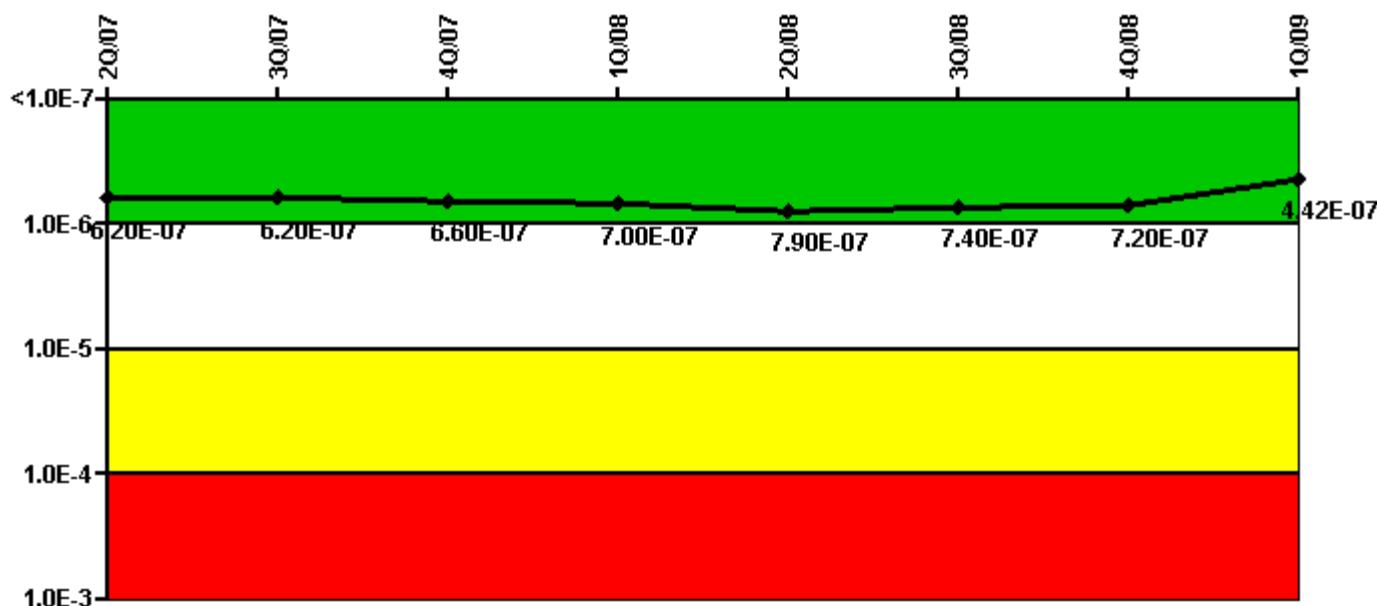
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.10E-08	-1.10E-08	6.70E-08	9.40E-08
URI ( $\Delta$ CDF)	7.70E-08	7.70E-08	7.70E-08	7.70E-08	7.70E-08	3.00E-08	-3.20E-08	3.00E-08
PLE	NO							
Indicator value	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.30E-08</b>	<b>5.40E-08</b>	<b>5.60E-08</b>	<b>1.90E-08</b>	<b>3.50E-08</b>	<b>1.24E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



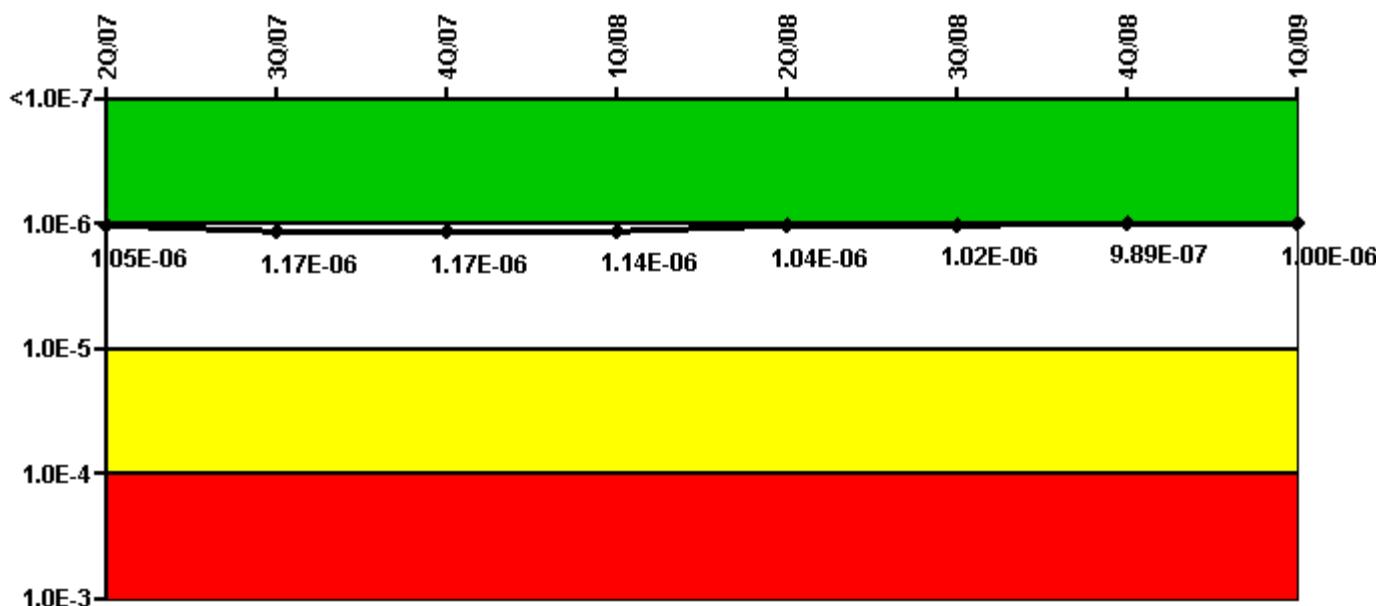
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.60E-07	1.60E-07	2.10E-07	2.50E-07	3.40E-07	3.10E-07	2.90E-07	1.20E-08
URI (ΔCDF)	4.60E-07	4.60E-07	4.50E-07	4.50E-07	4.50E-07	4.30E-07	4.30E-07	4.30E-07
PLE	NO							
Indicator value	6.20E-07	6.20E-07	6.60E-07	7.00E-07	7.90E-07	7.40E-07	7.20E-07	4.42E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



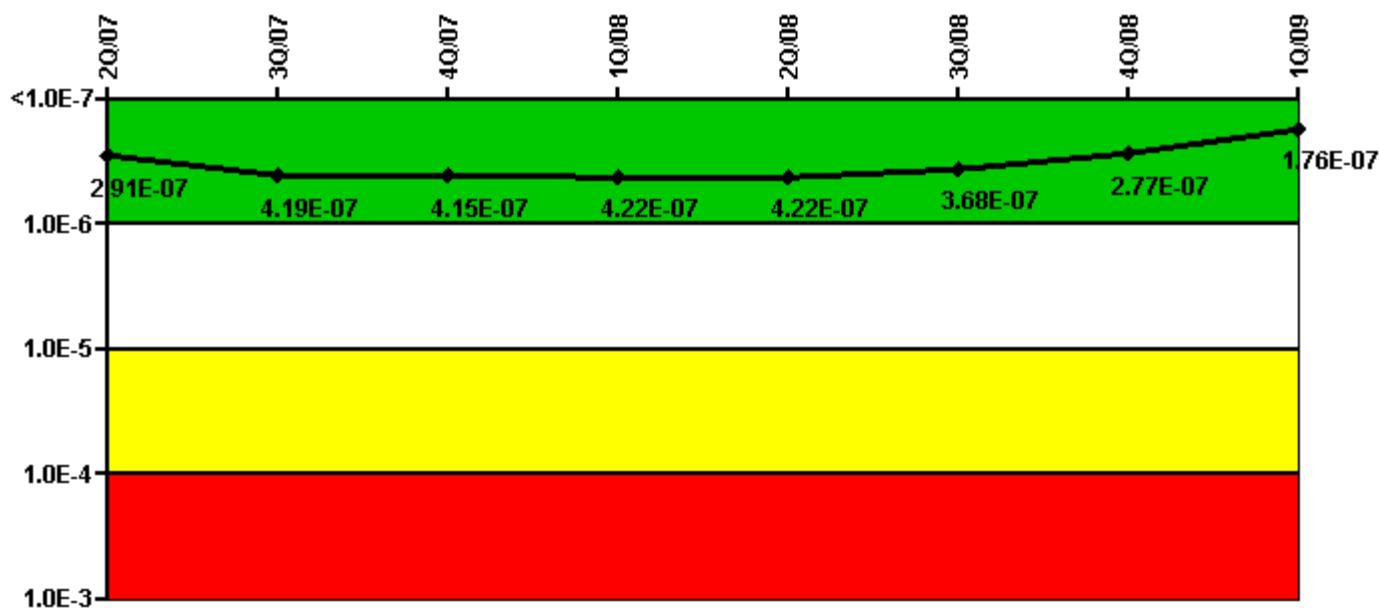
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.40E-07	2.60E-07	2.60E-07	2.30E-07	1.30E-07	9.70E-08	6.90E-08	7.00E-08
URI (ΔCDF)	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.20E-07	9.20E-07	9.30E-07
PLE	NO							
Indicator value	1.05E-06	1.17E-06	1.17E-06	1.14E-06	1.04E-06	1.02E-06	9.89E-07	1.00E-06

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



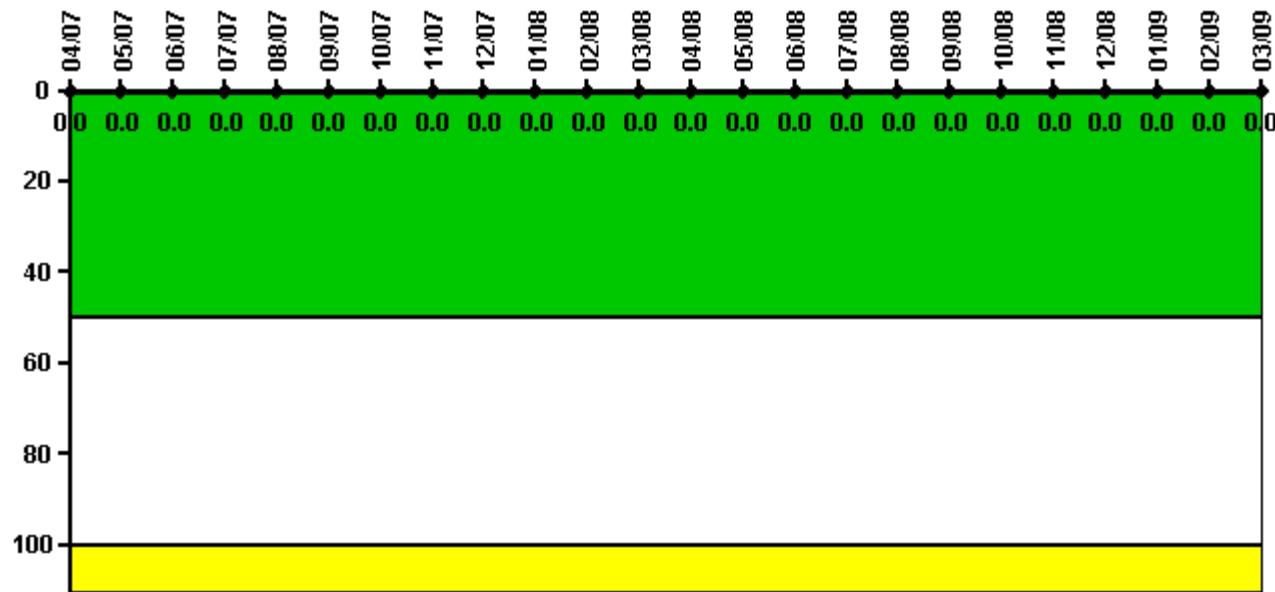
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	1.30E-09	1.90E-08	1.50E-08	2.20E-08	2.20E-08	1.80E-08	1.70E-08	1.60E-08
URI ( $\Delta$ CDF)	2.90E-07	4.00E-07	4.00E-07	4.00E-07	4.00E-07	3.50E-07	2.60E-07	1.60E-07
PLE	NO							
Indicator value	<b>2.91E-07</b>	<b>4.19E-07</b>	<b>4.15E-07</b>	<b>4.22E-07</b>	<b>4.22E-07</b>	<b>3.68E-07</b>	<b>2.77E-07</b>	<b>1.76E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



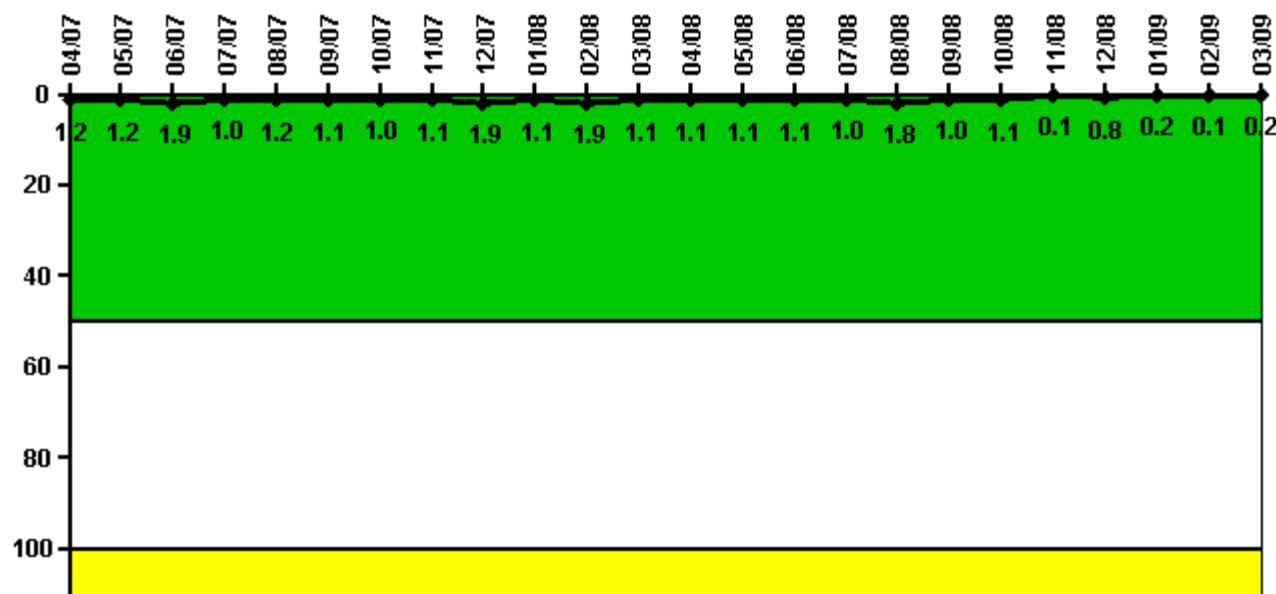
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.0000115	0.0000053	0.0000055	0.0000041	0.0000061	0.0000064	0.0000061	0.0000069	0.0000081	0.0000051	0.0000160	0.0000051
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.0000054	0.0000058	0.0000059	0.0000055	0.0000055	0.0000055	0.0000056	0.0000030	0.0000039	0.0000007	0.0000038	0.0000042
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



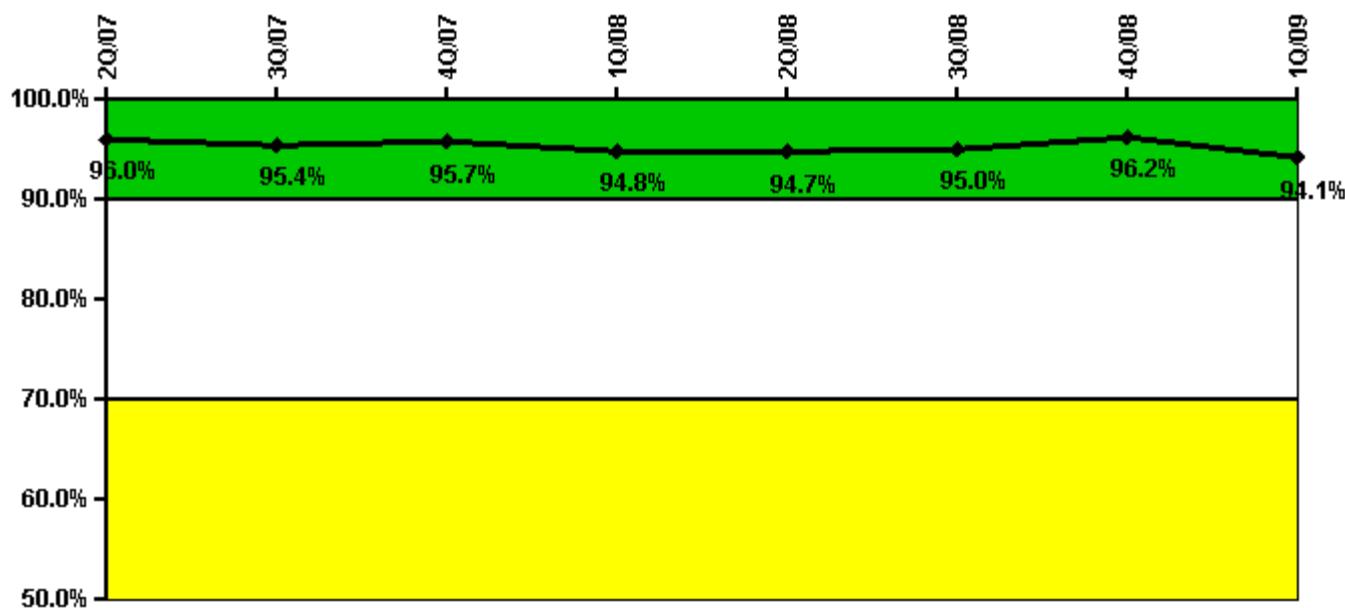
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.120	0.120	0.190	0.100	0.120	0.110	0.100	0.110	0.190	0.110	0.190	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.2</b>	<b>1.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</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	0.110	0.110	0.110	0.100	0.180	0.100	0.110	0.010	0.080	0.017	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>

Licensee Comments: none

## Drill/Exercise Performance



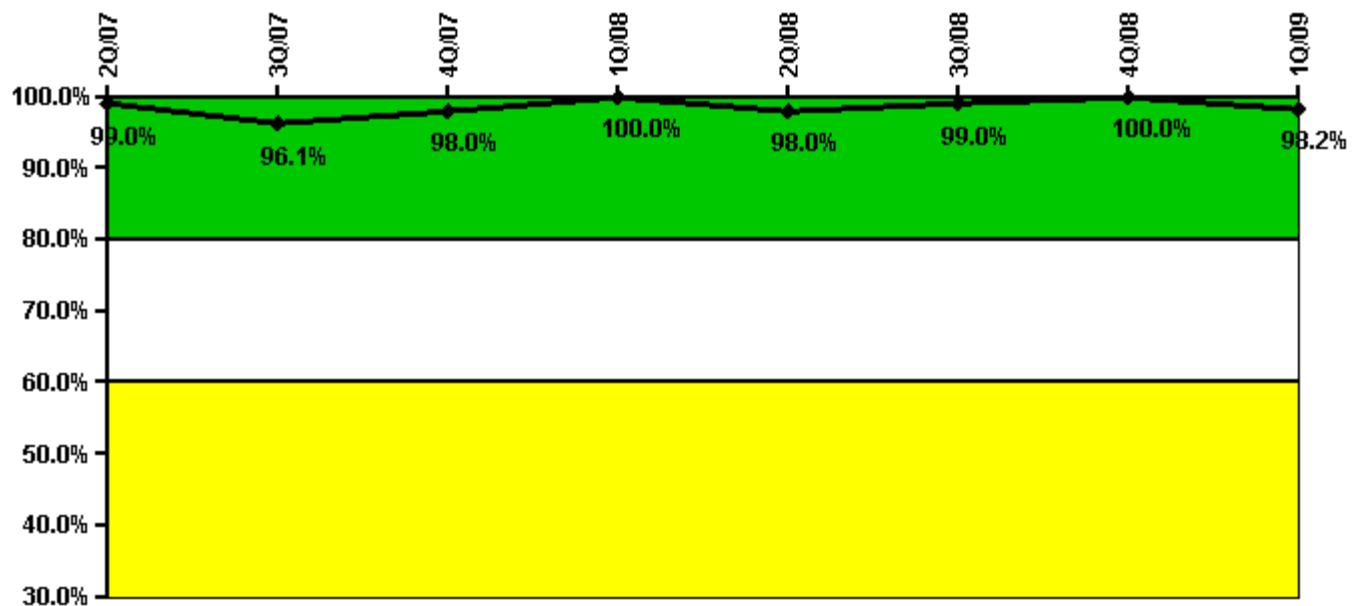
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	8.0	12.0	14.0	57.0	19.0	27.0	13.0	25.0
Total opportunities	8.0	12.0	14.0	62.0	20.0	28.0	13.0	29.0
Indicator value	96.0%	95.4%	95.7%	94.8%	94.7%	95.0%	96.2%	94.1%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

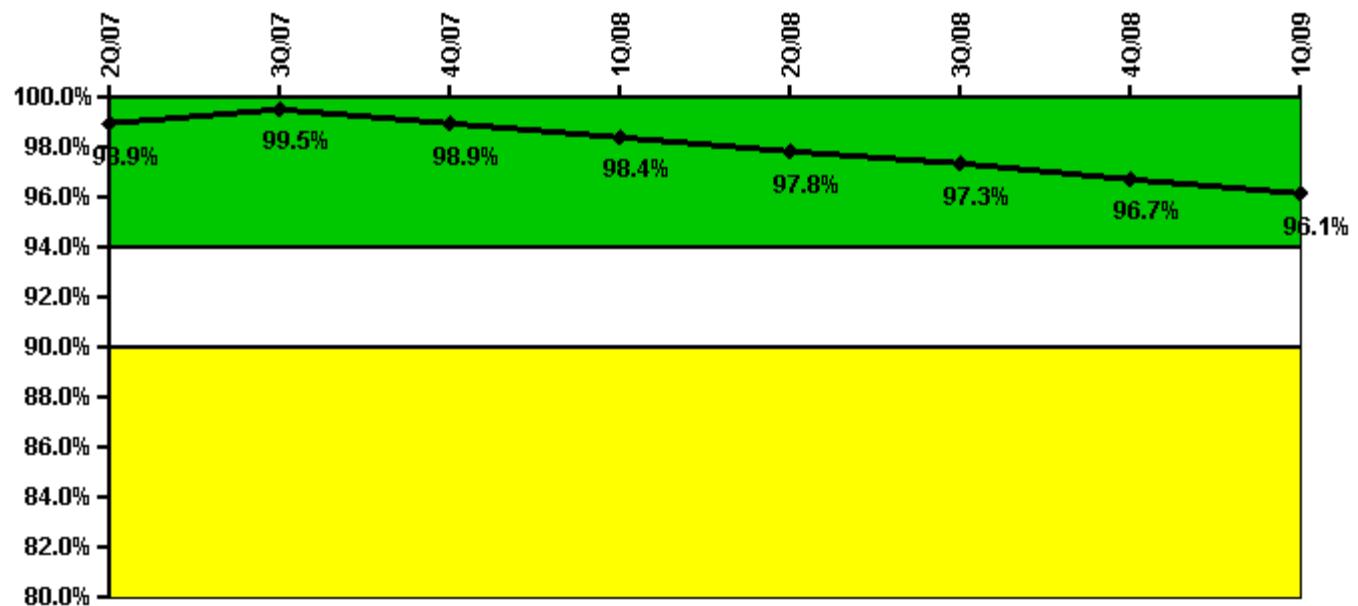
### Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	101.0	99.0	100.0	103.0	99.0	98.0	107.0	107.0
Total Key personnel	102.0	103.0	102.0	103.0	101.0	99.0	107.0	109.0
Indicator value	99.0%	96.1%	98.0%	100.0%	98.0%	99.0%	100.0%	98.2%

Licensee Comments: none

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## Alert & Notification System



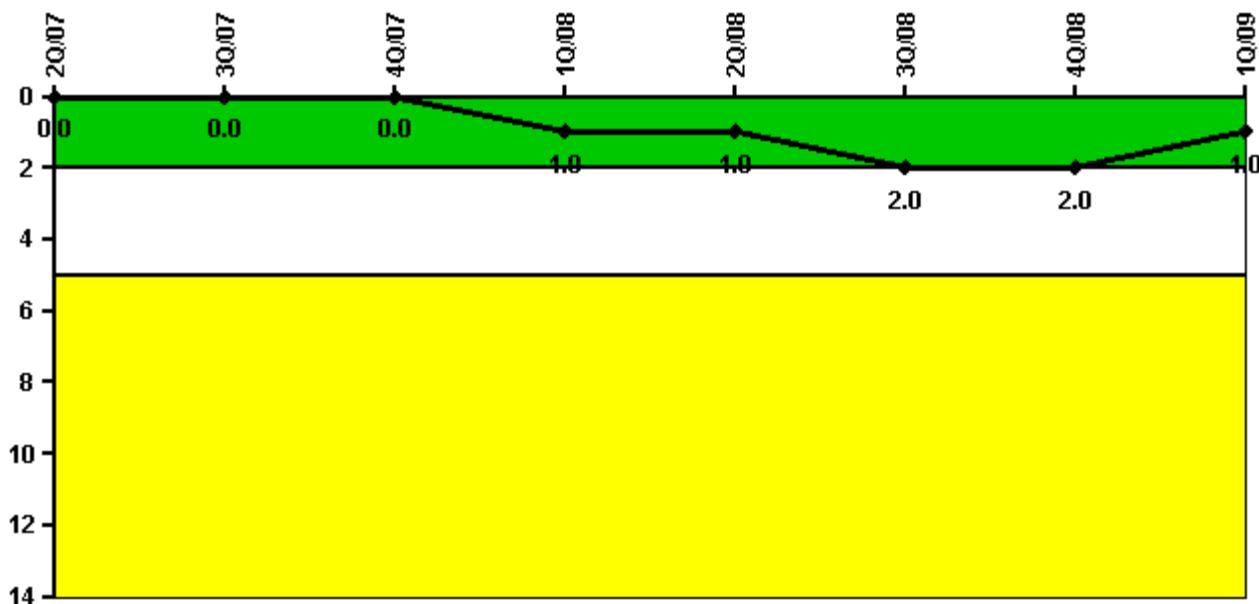
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	47	45	47	44	43	44	46	40
Total sirens-tests	48	45	48	45	45	45	48	42
Indicator value	98.9%	99.5%	98.9%	98.4%	97.8%	97.3%	96.7%	96.1%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

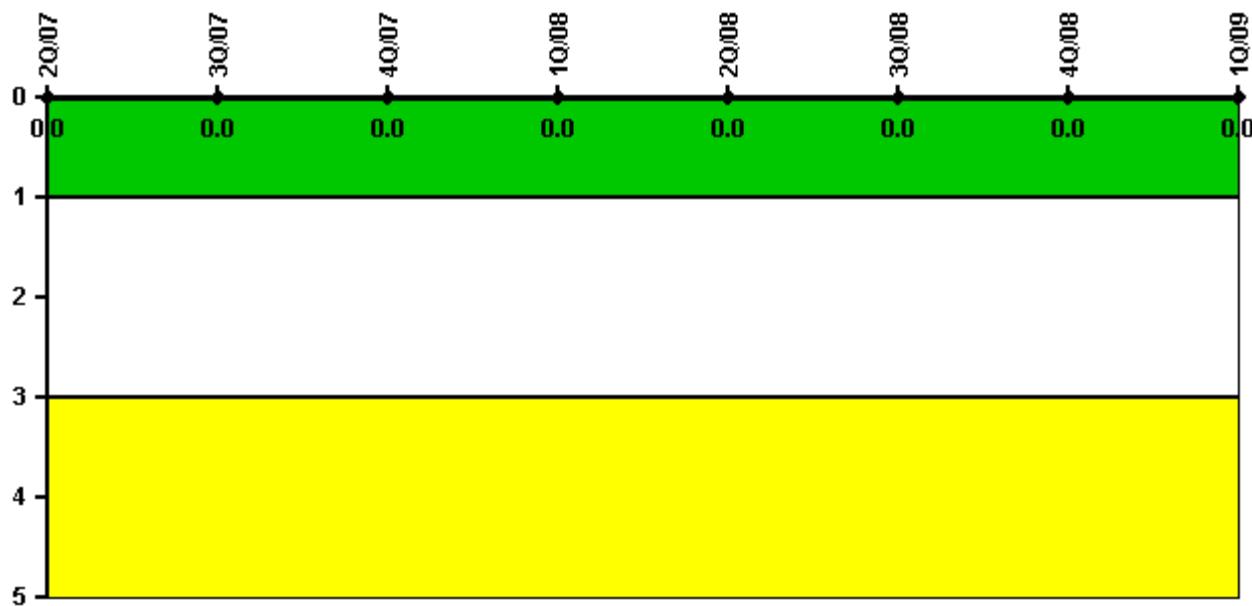
### Notes

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	1	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>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>

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](#)

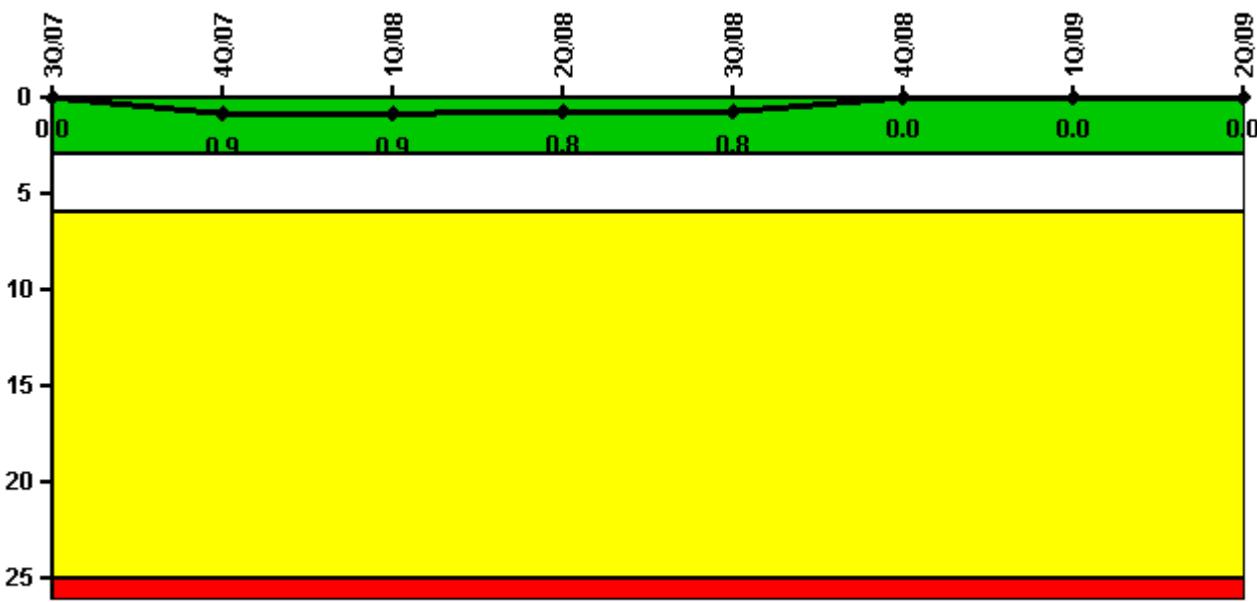
Last Modified: May 1, 2009

# Farley 2

## 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

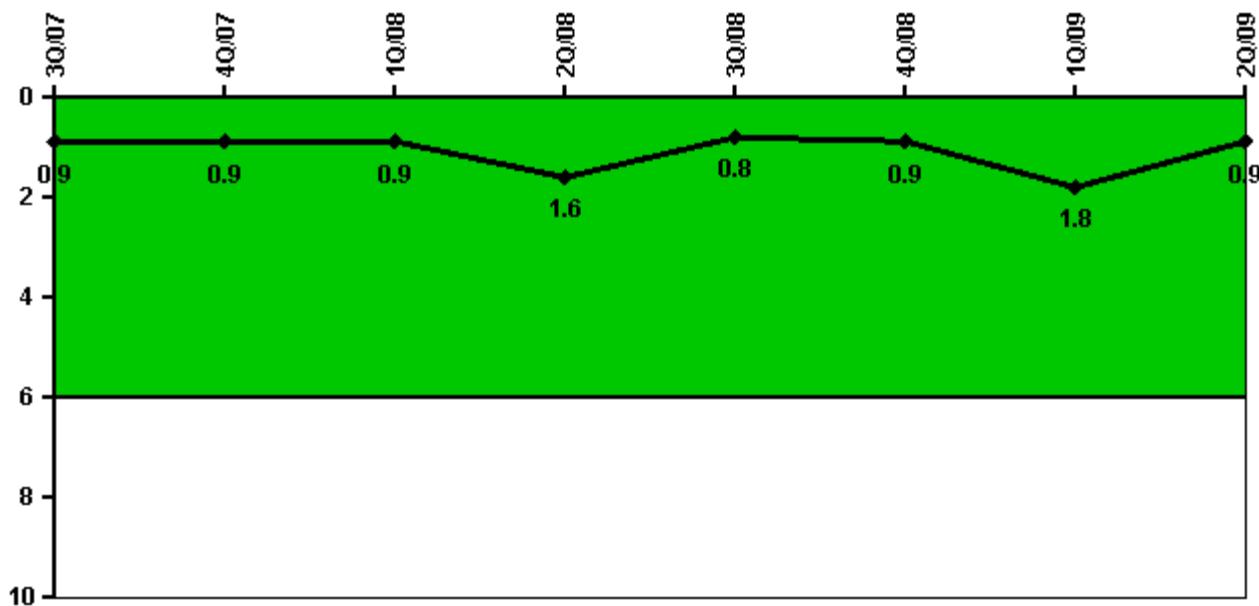
### Notes

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	1.0	0	0	0	0	0	0
Critical hours	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0
Indicator value	0	0.9	0.9	0.8	0.8	0	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

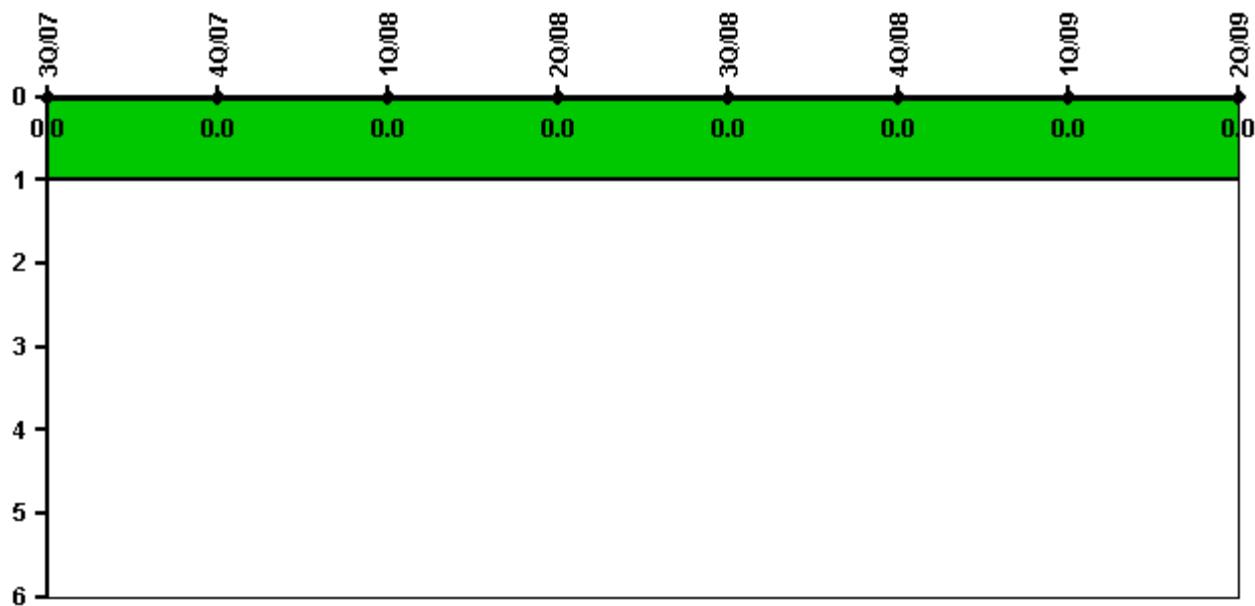
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	1.0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0
Indicator value	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

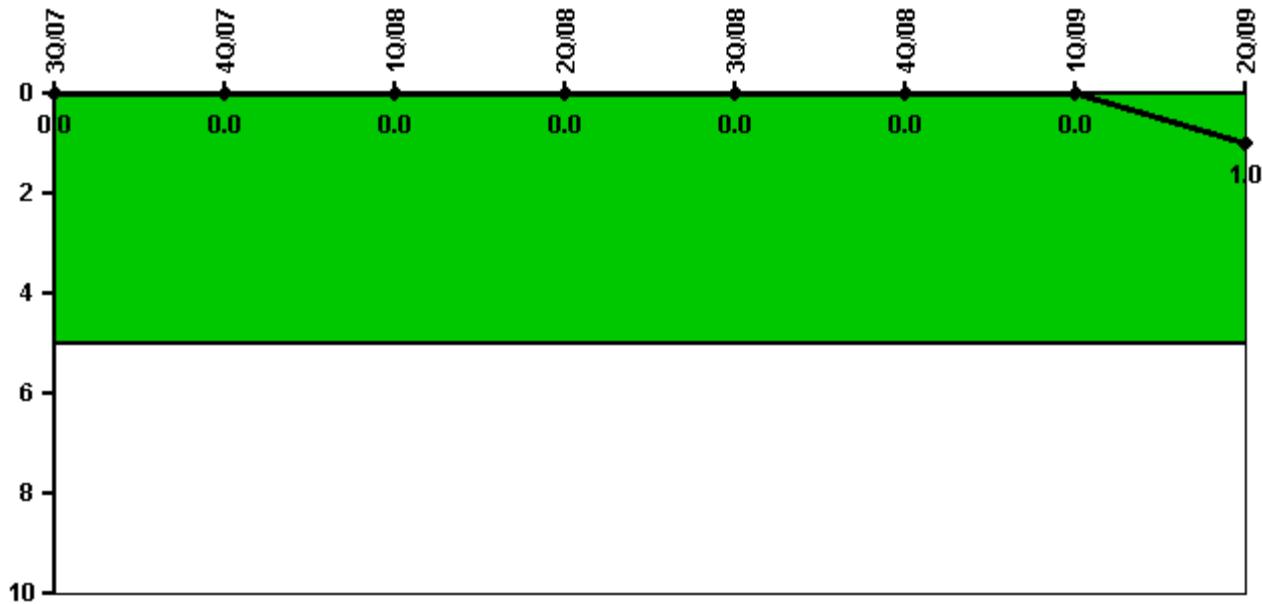
### Notes

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

---

## Safety System Functional Failures (PWR)



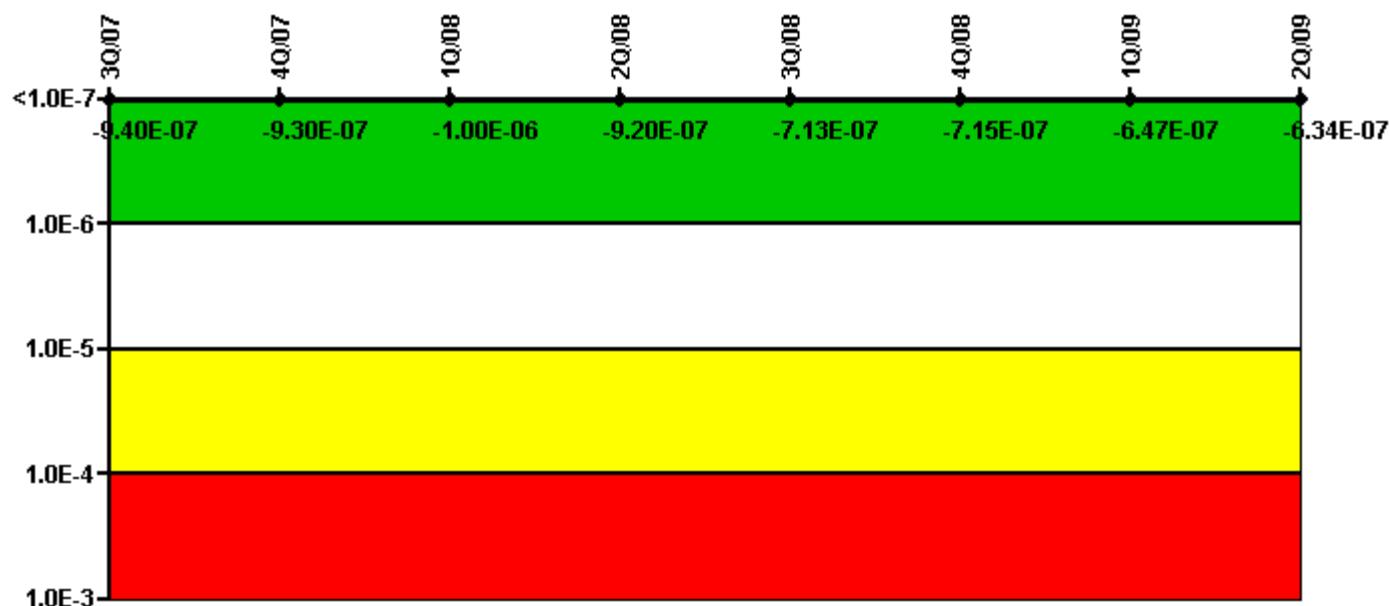
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	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	1
Indicator value	<b>0</b>	<b>1</b>						

Licensee Comments: none

## Mitigating Systems Performance Index, Emergency AC Power System



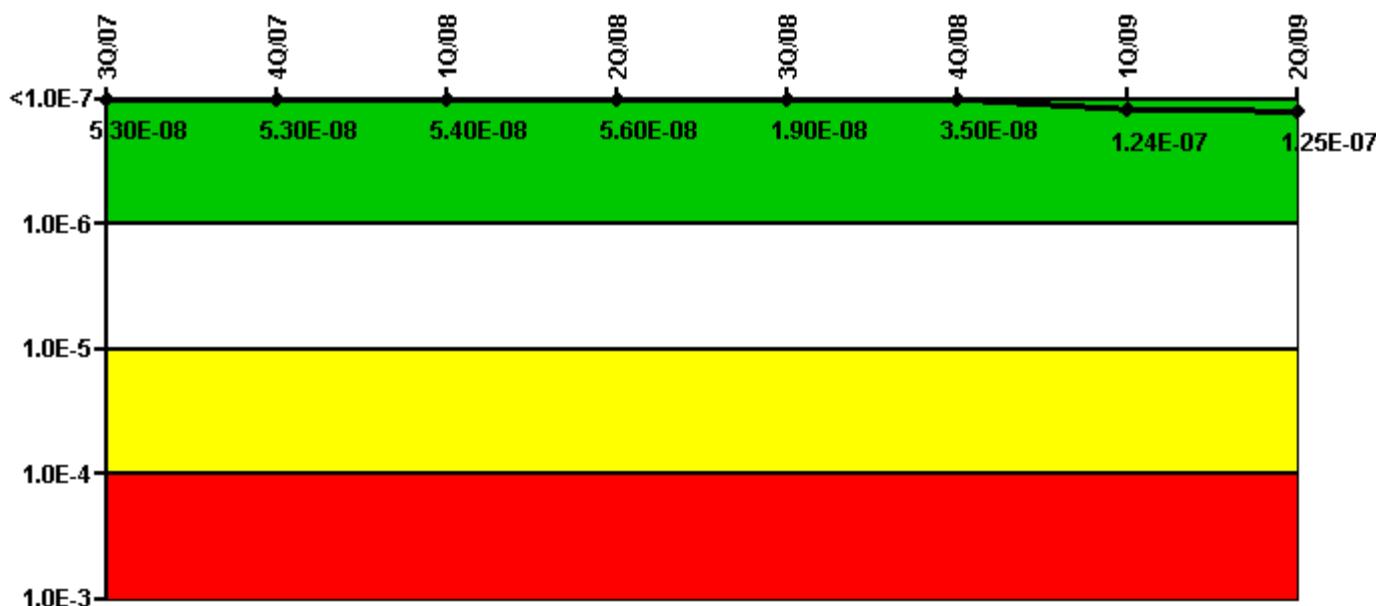
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.60E-07	1.70E-07	1.00E-07	1.80E-07	1.70E-08	1.50E-08	8.30E-08	9.60E-08
URI (ΔCDF)	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07
PLE	NO							
Indicator value	<b>-9.40E-07</b>	<b>-9.30E-07</b>	<b>-1.00E-06</b>	<b>-9.20E-07</b>	<b>-7.13E-07</b>	<b>-7.15E-07</b>	<b>-6.47E-07</b>	<b>-6.34E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



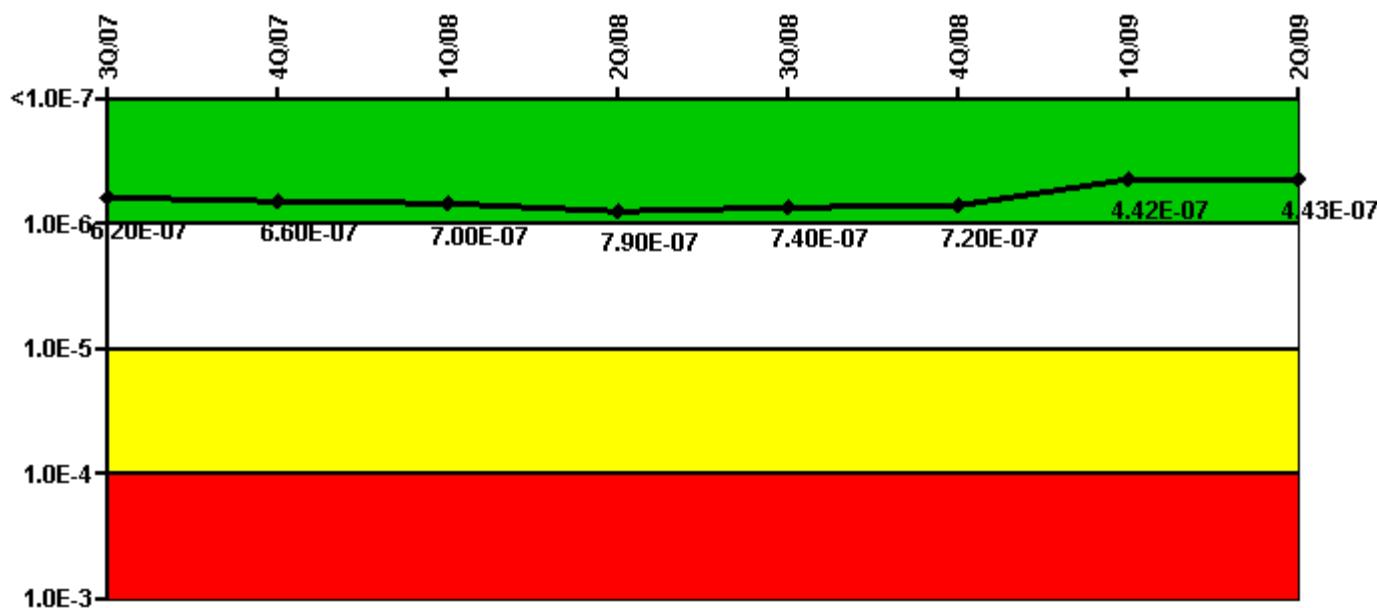
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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 ( $\Delta$ CDF)	-2.40E-08	-2.40E-08	-2.30E-08	-2.10E-08	-1.10E-08	6.70E-08	9.40E-08	9.50E-08
URI ( $\Delta$ CDF)	7.70E-08	7.70E-08	7.70E-08	7.70E-08	3.00E-08	-3.20E-08	3.00E-08	3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.30E-08	5.30E-08	5.40E-08	5.60E-08	1.90E-08	3.50E-08	1.24E-07	1.25E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



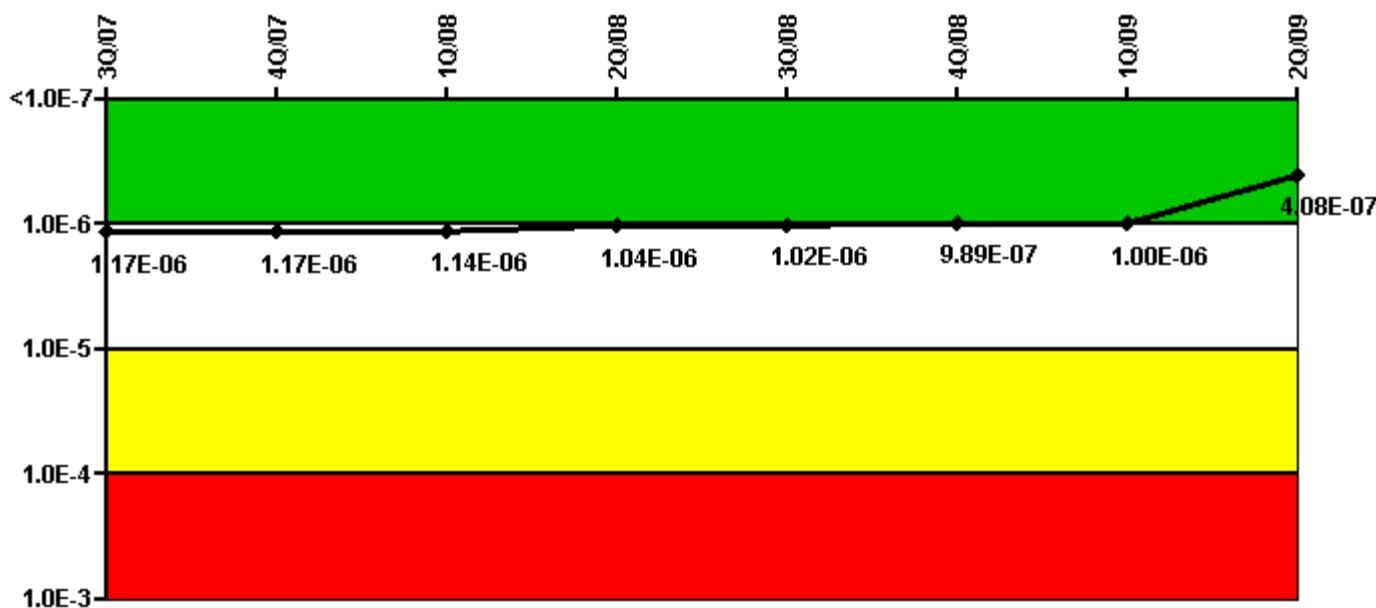
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.60E-07	2.10E-07	2.50E-07	3.40E-07	3.10E-07	2.90E-07	1.20E-08	1.30E-08
URI (ΔCDF)	4.60E-07	4.50E-07	4.50E-07	4.50E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07
PLE	NO							
Indicator value	6.20E-07	6.60E-07	7.00E-07	7.90E-07	7.40E-07	7.20E-07	4.42E-07	4.43E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



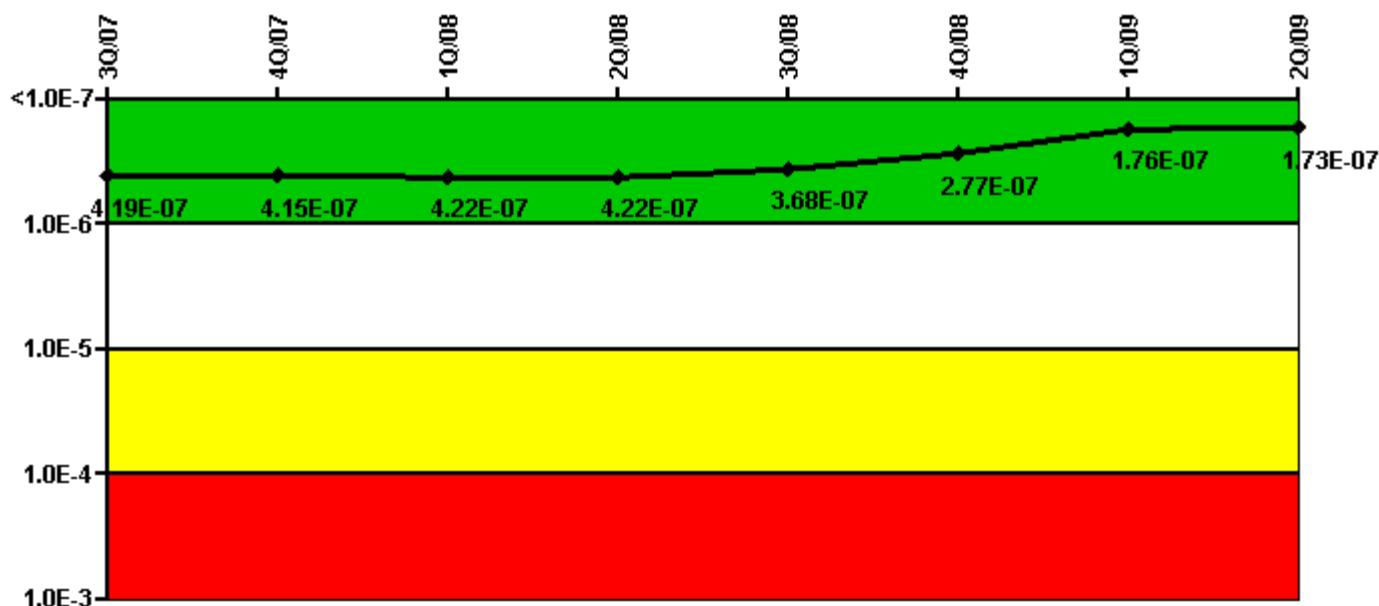
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	2.60E-07	2.60E-07	2.30E-07	1.30E-07	9.70E-08	6.90E-08	7.00E-08	3.80E-08
URI (ΔCDF)	9.10E-07	9.10E-07	9.10E-07	9.10E-07	9.20E-07	9.20E-07	9.30E-07	3.70E-07
PLE	NO							
Indicator value	1.17E-06	1.17E-06	1.14E-06	1.04E-06	1.02E-06	9.89E-07	1.00E-06	4.08E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



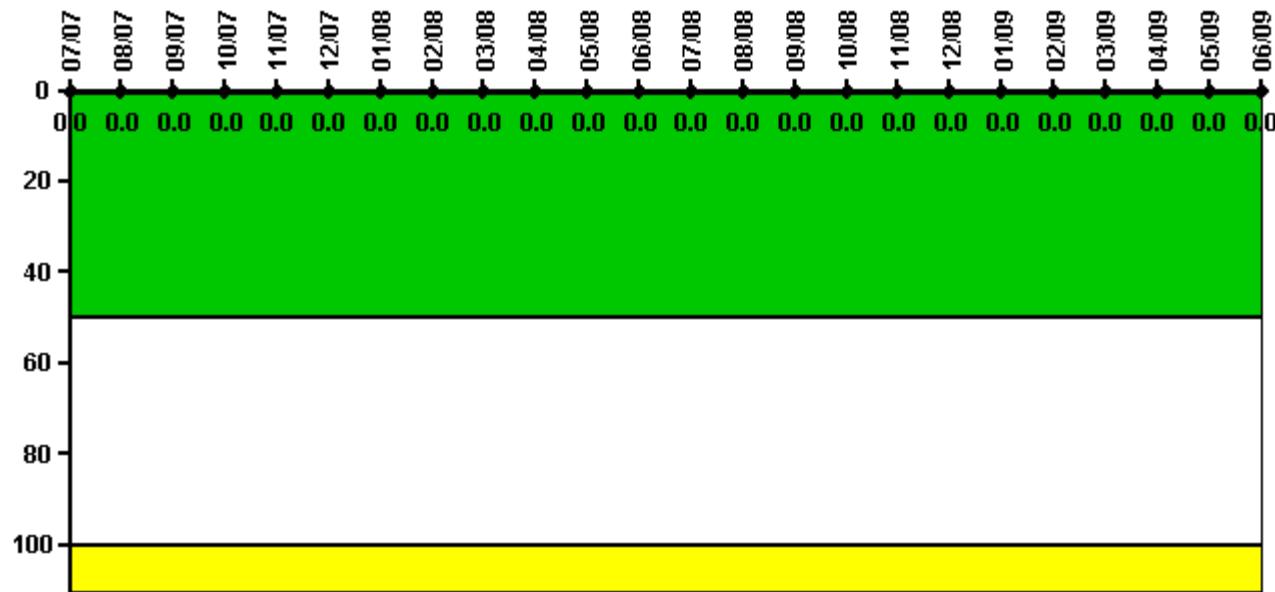
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.90E-08	1.50E-08	2.20E-08	2.20E-08	1.80E-08	1.70E-08	1.60E-08	1.30E-08
URI (ΔCDF)	4.00E-07	4.00E-07	4.00E-07	4.00E-07	3.50E-07	2.60E-07	1.60E-07	1.60E-07
PLE	NO							
Indicator value	<b>4.19E-07</b>	<b>4.15E-07</b>	<b>4.22E-07</b>	<b>4.22E-07</b>	<b>3.68E-07</b>	<b>2.77E-07</b>	<b>1.76E-07</b>	<b>1.73E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



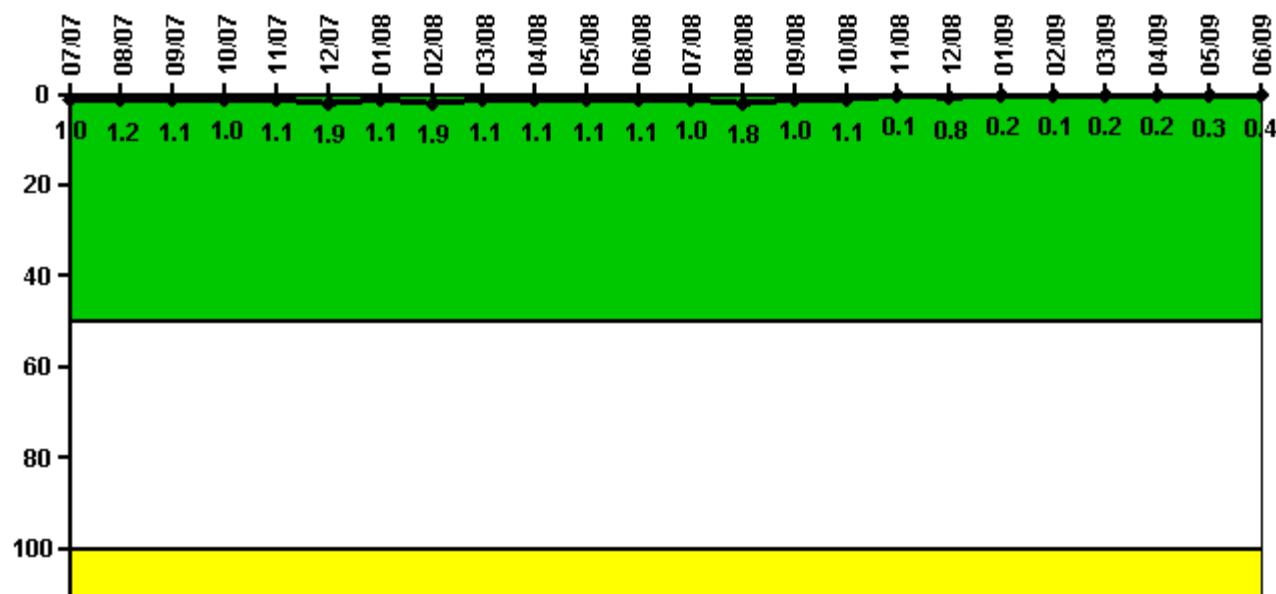
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000041	0.000061	0.000064	0.000061	0.000069	0.000081	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000055	0.000055	0.000055	0.000056	0.000030	0.000039	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



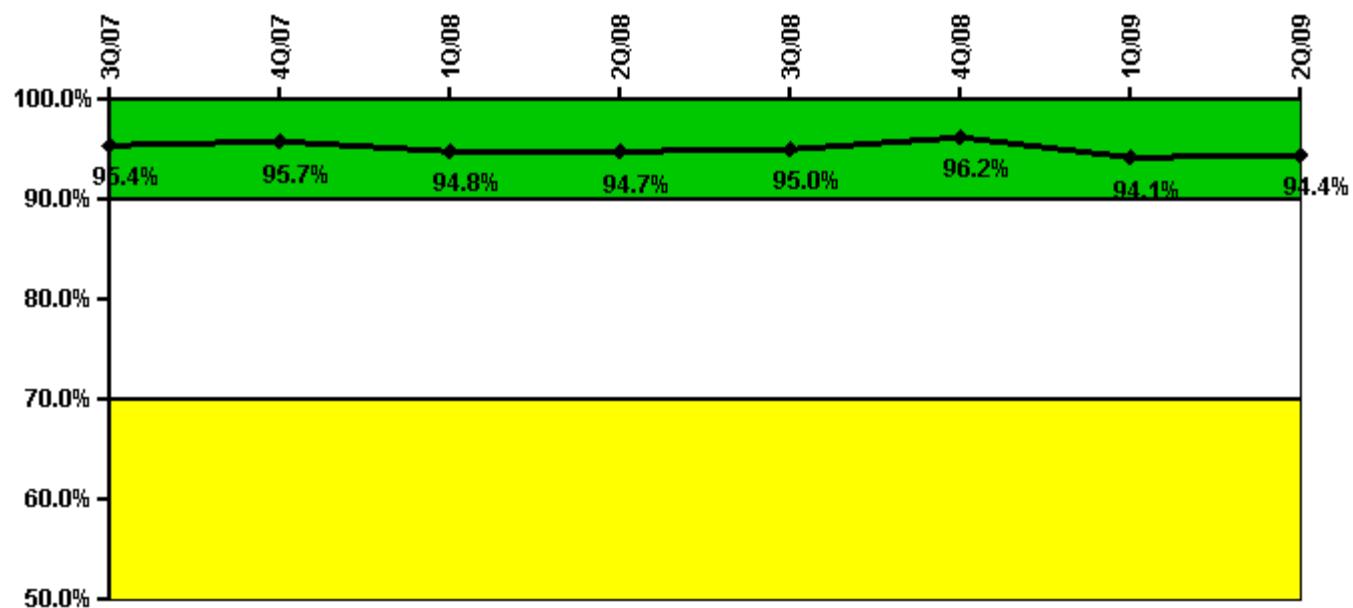
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.100	0.120	0.110	0.100	0.110	0.190	0.110	0.190	0.110	0.110	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.0</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</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	0.100	0.180	0.100	0.110	0.010	0.080	0.017	0.010	0.020	0.019	0.025	0.035
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>

Licensee Comments: none

## Drill/Exercise Performance



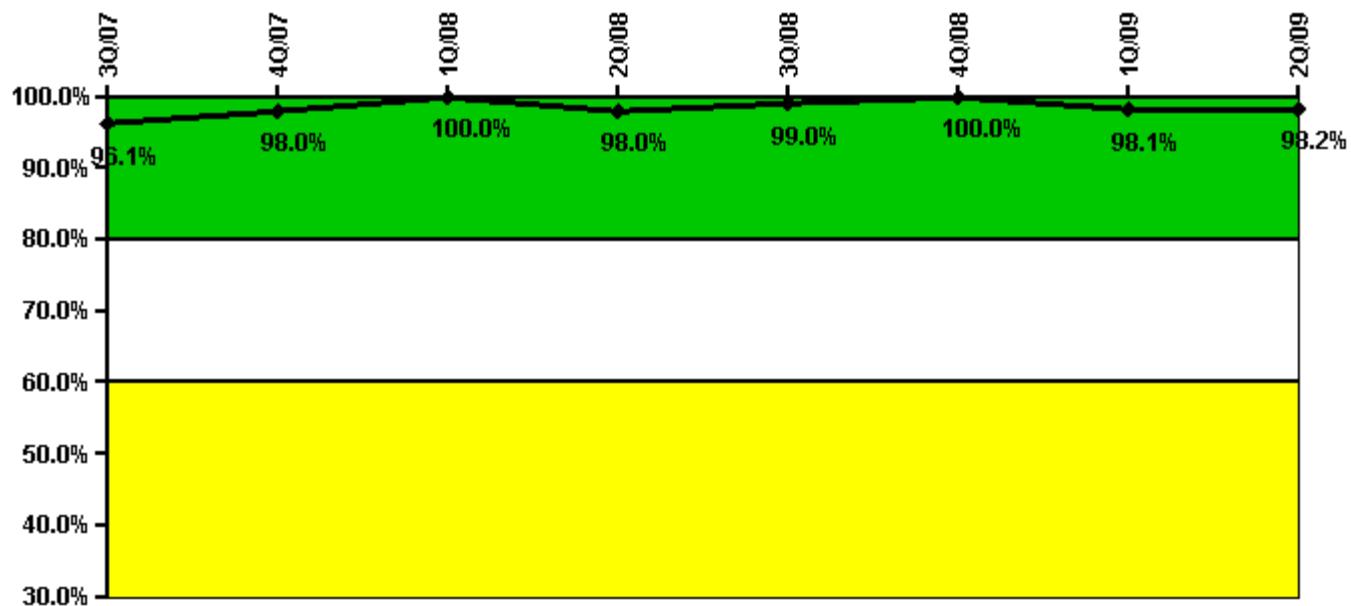
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	12.0	14.0	57.0	19.0	27.0	13.0	25.0	18.0
Total opportunities	12.0	14.0	62.0	20.0	28.0	13.0	29.0	18.0
Indicator value	95.4%	95.7%	94.8%	94.7%	95.0%	96.2%	94.1%	94.4%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

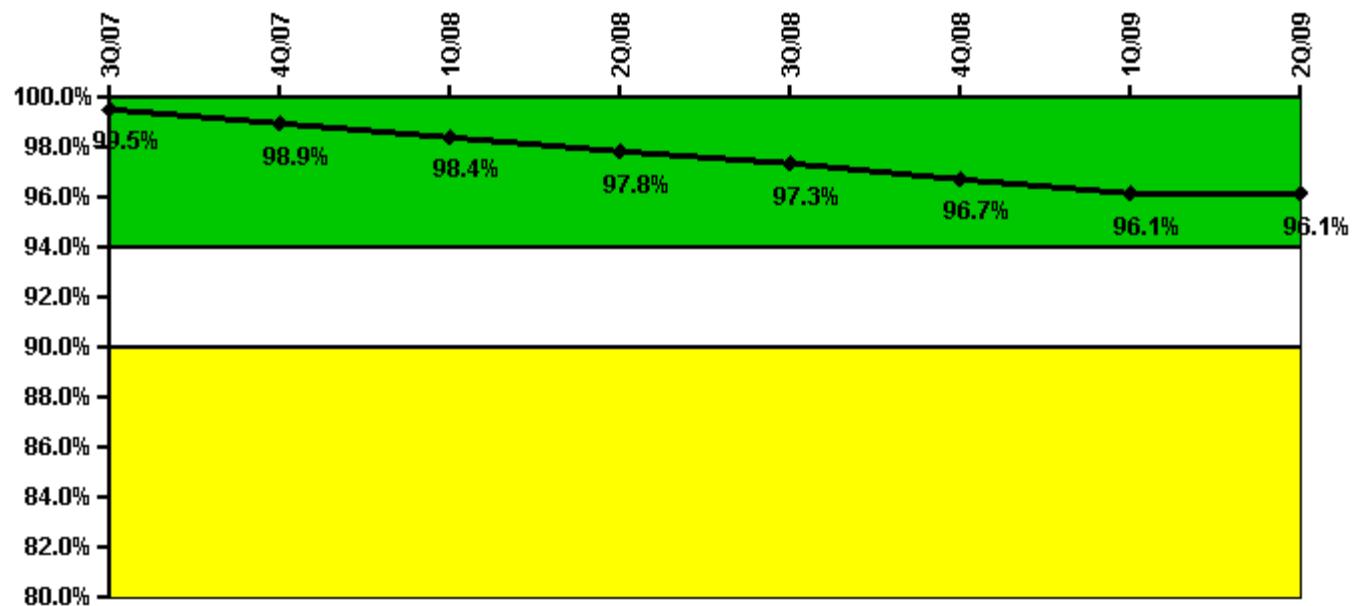
### Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	99.0	100.0	103.0	99.0	98.0	107.0	105.0	110.0
Total Key personnel	103.0	102.0	103.0	101.0	99.0	107.0	107.0	112.0
Indicator value	96.1%	98.0%	100.0%	98.0%	99.0%	100.0%	98.1%	98.2%

Licensee Comments:

1Q/09: March 2009 ERO Drill Participation participating and total key personnel changed from 107 and 109, respectively, to 105 and 107, respectively. Indicator color is not affected.

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

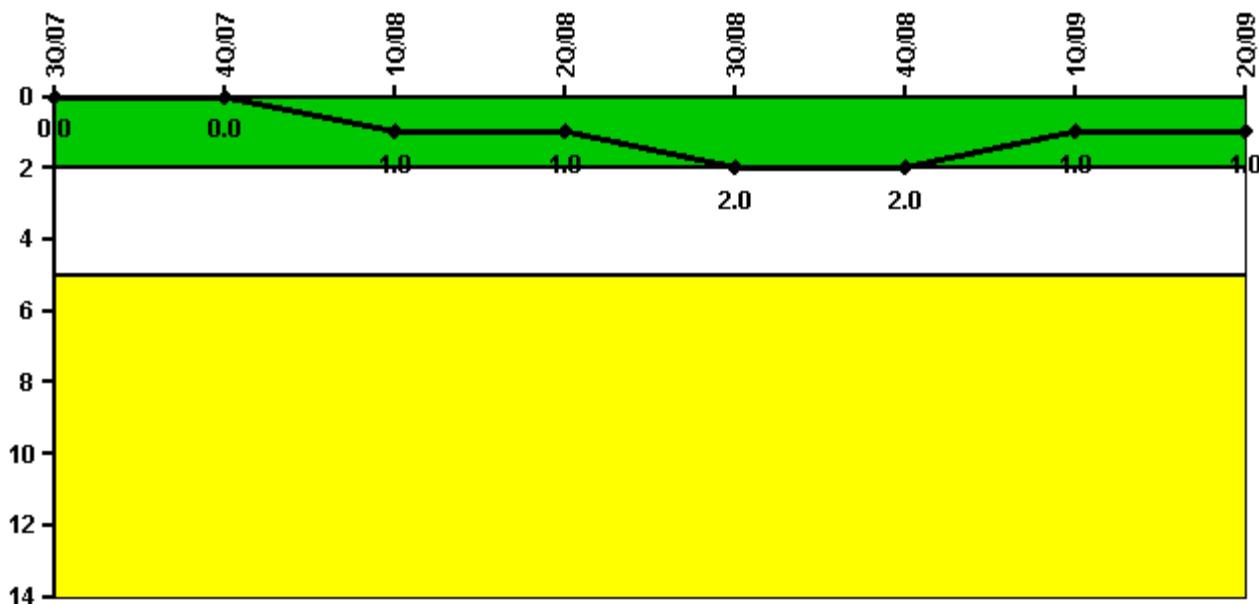
### Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	45	47	44	43	44	46	40	43
Total sirens-tests	45	48	45	45	45	48	42	45
Indicator value	99.5%	98.9%	98.4%	97.8%	97.3%	96.7%	96.1%	96.1%

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



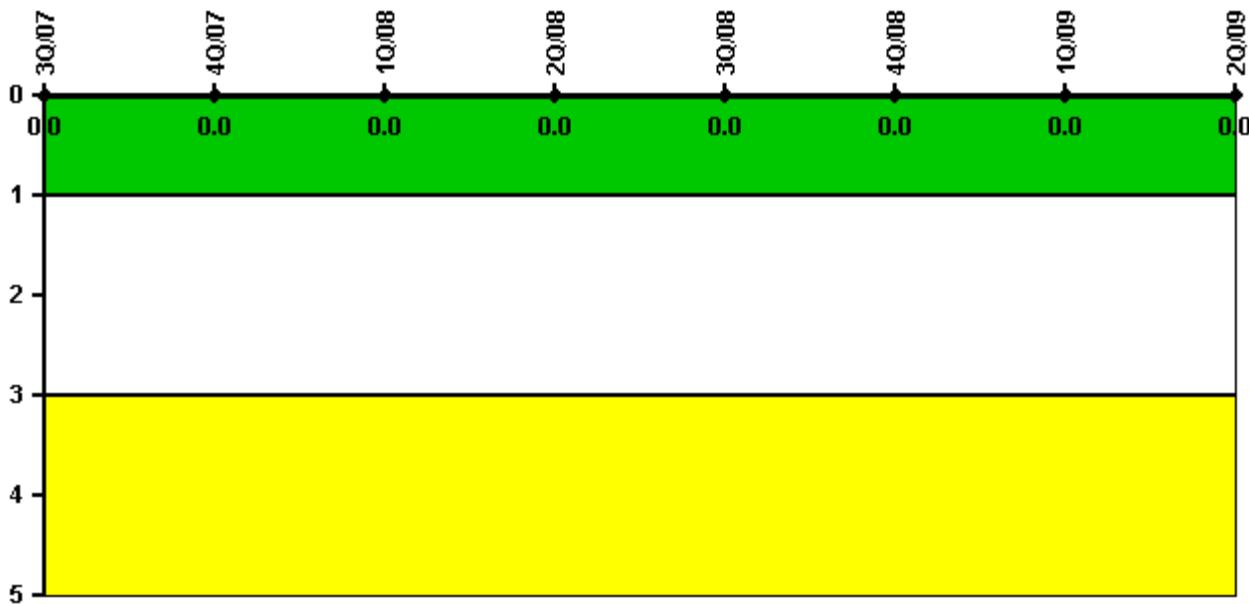
Thresholds: White > 2.0 Yellow > 5.0

### 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	1	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
Indicator value	0	0	1	1	2	2	1	1

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](#)

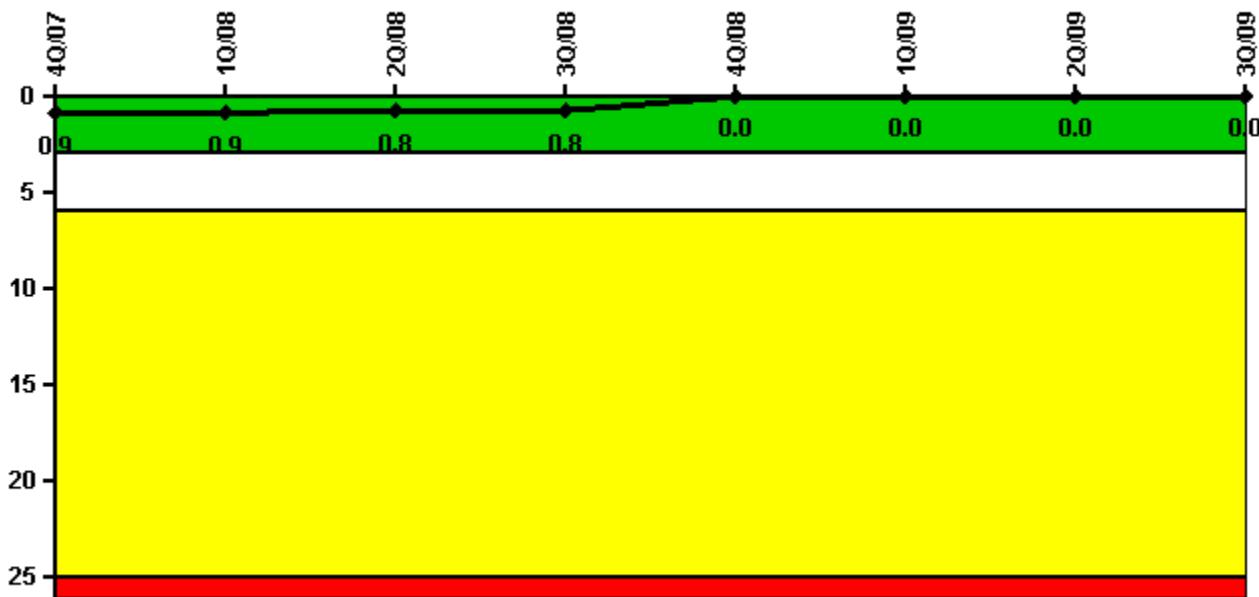
Last Modified: July 22, 2009

# Farley 2

## 3Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



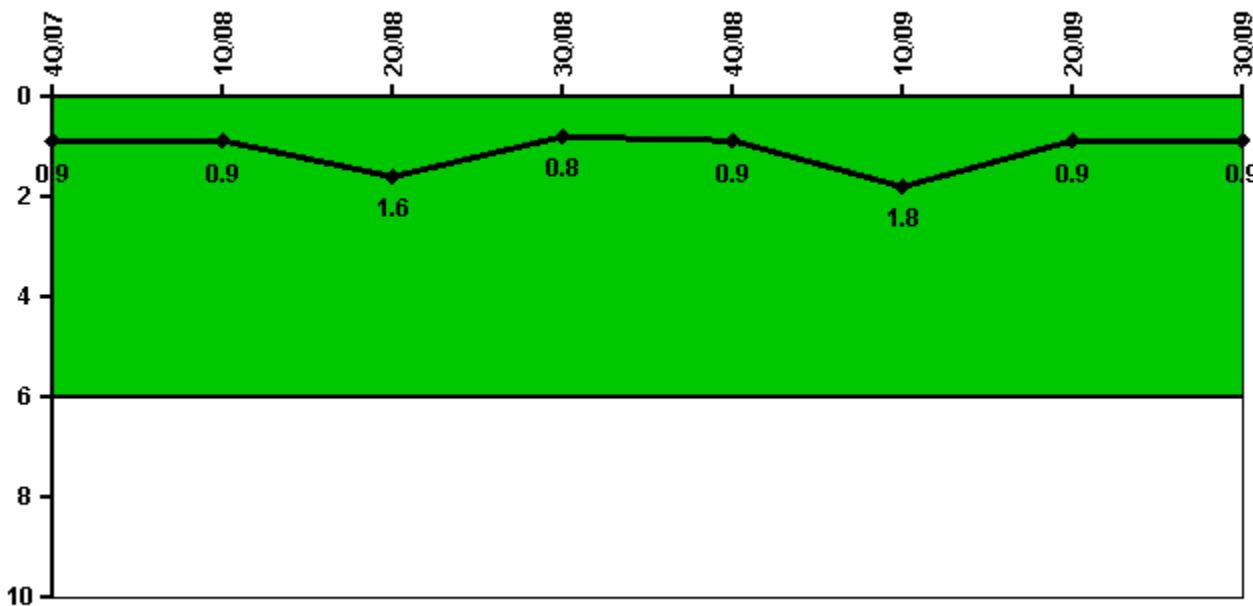
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0	0	0
Critical hours	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0.8	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

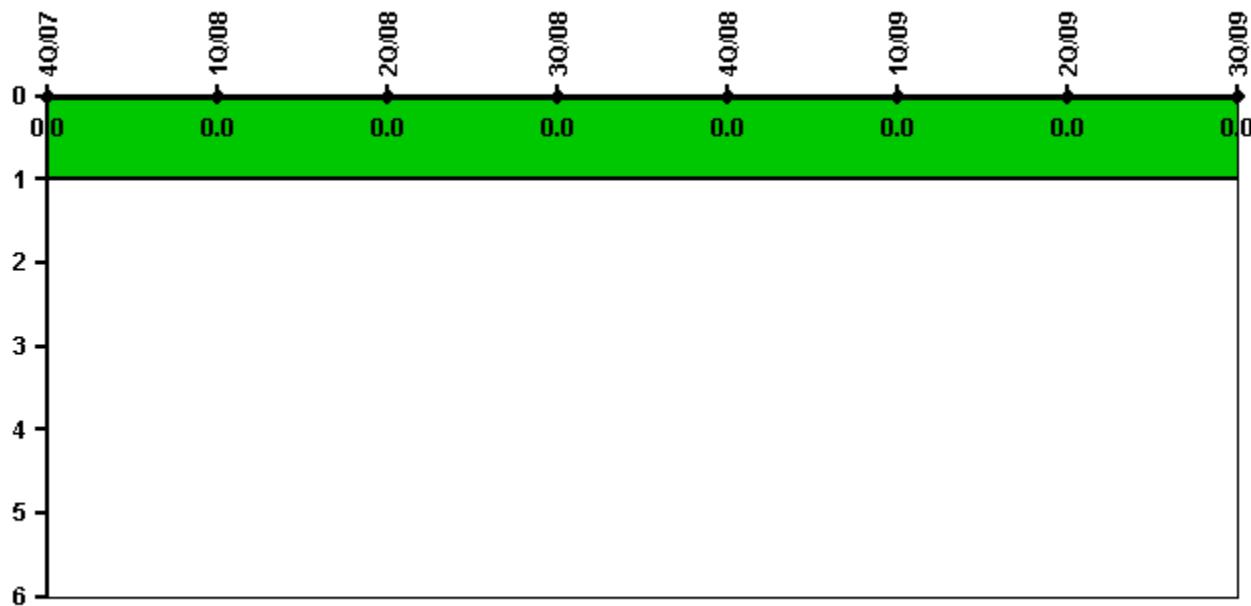
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2171.0	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

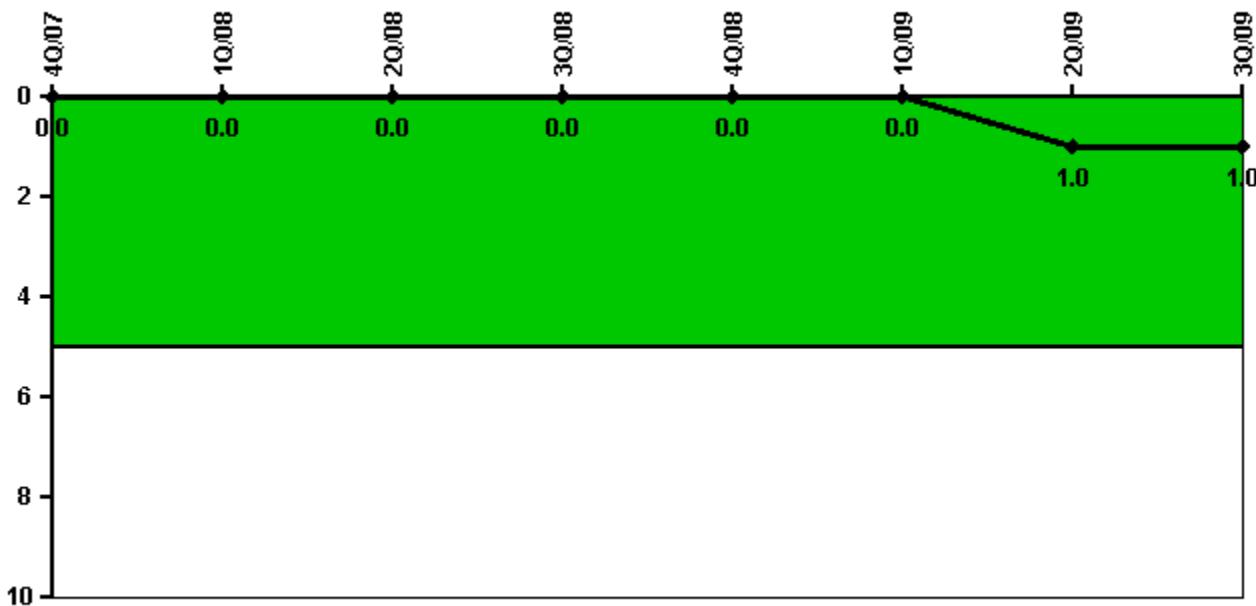
### Notes

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 (PWR)



Thresholds: White > 5.0

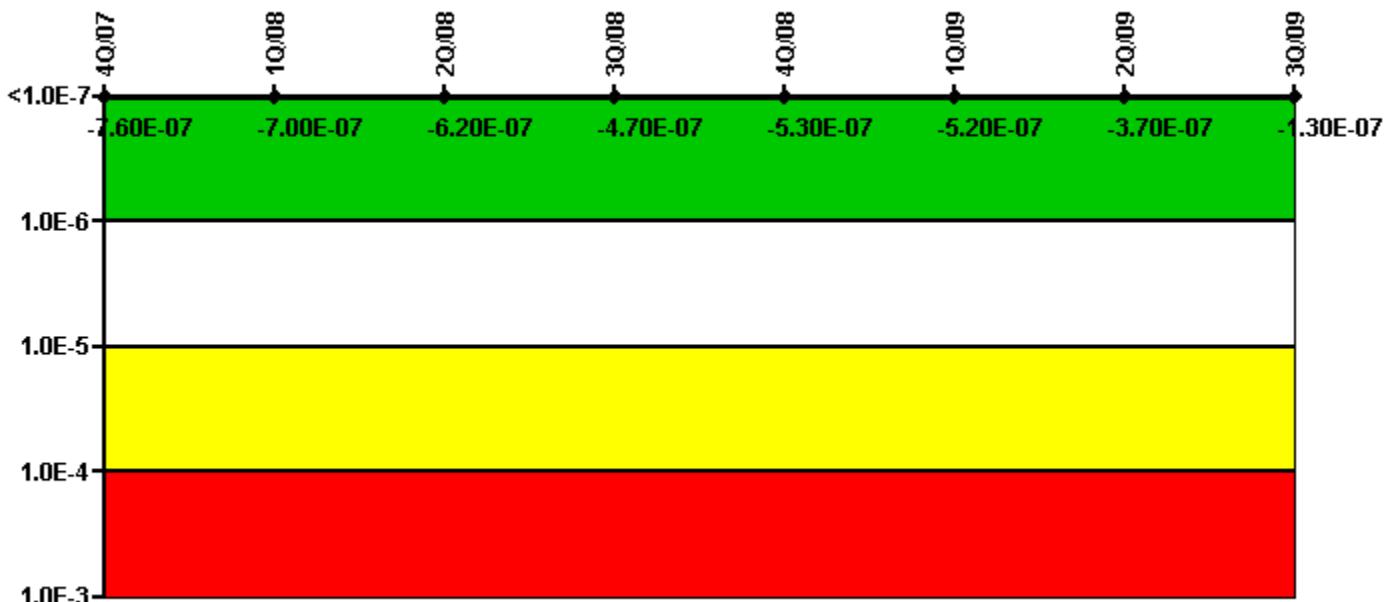
### Notes

Safety System Functional Failures (PWR)	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	1	0
Indicator value	0	0	0	0	0	0	1	1

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)	3.40E-07	4.00E-07	4.80E-07	2.60E-07	2.00E-07	2.10E-07	3.60E-07	6.00E-07
URI ( $\Delta$ CDF)	-1.10E-06	-1.10E-06	-1.10E-06	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07
PLE	NO							
<b>Indicator value</b>	<b>-7.60E-07</b>	<b>-7.00E-07</b>	<b>-6.20E-07</b>	<b>-4.70E-07</b>	<b>-5.30E-07</b>	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>

### Licensee Comments:

2Q/09: Revised 2Q2009 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

1Q/09: Revised 1Q2009 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

4Q/08: Revised 4Q2008 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

3Q/08: Revised 3Q2008 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

2Q/08: Revised 2Q2008 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

1Q/08: Revised 1Q2008 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

4Q/07: Revised 3Q2007 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

3Q/07: Revised 3Q2007 unavailability data upon revision of site procedures to include restoration actions to allow

credit for operator action. PI indicator color not affected.

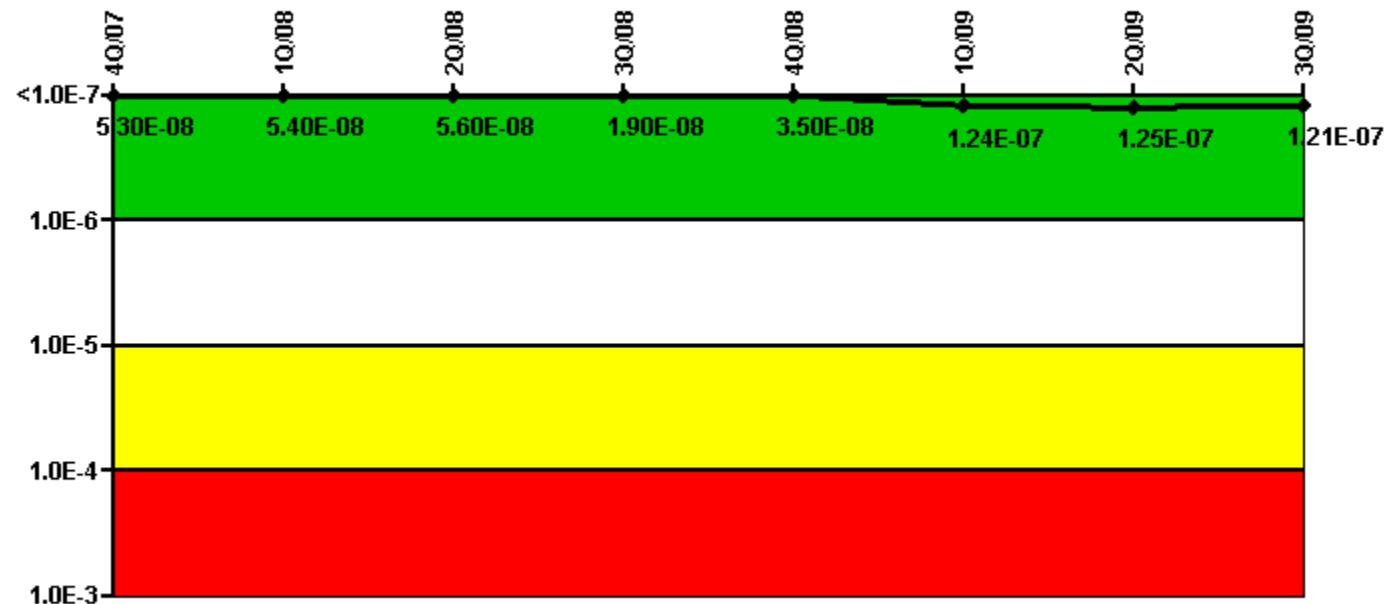
2Q/07: Revised 2Q2007 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

1Q/07: Revised 1Q2007 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

4Q/06: Revised 4Q2006 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

3Q/06: Revised 3Q2006 unavailability data upon revision of site procedures to include restoration actions to allow credit for operator action. PI indicator color not affected.

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



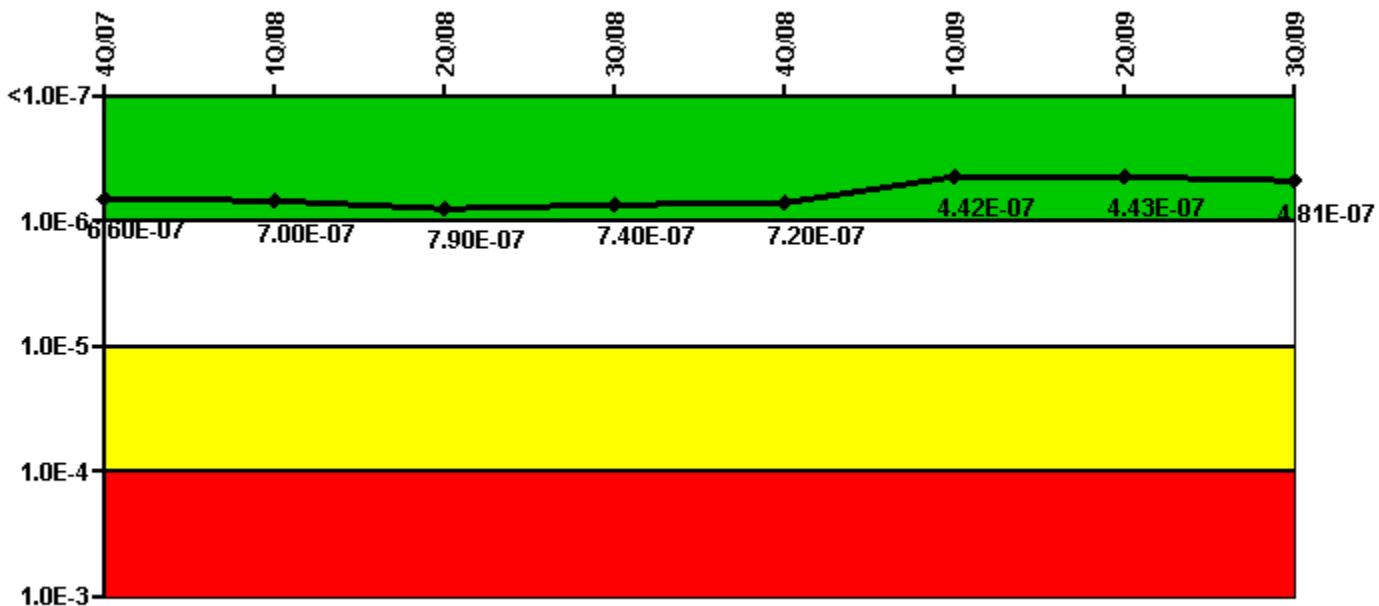
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-2.40E-08	-2.30E-08	-2.10E-08	-1.10E-08	6.70E-08	9.40E-08	9.50E-08	9.10E-08
URI ( $\Delta$ CDF)	7.70E-08	7.70E-08	7.70E-08	3.00E-08	-3.20E-08	3.00E-08	3.00E-08	3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.30E-08	5.40E-08	5.60E-08	1.90E-08	3.50E-08	1.24E-07	1.25E-07	1.21E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



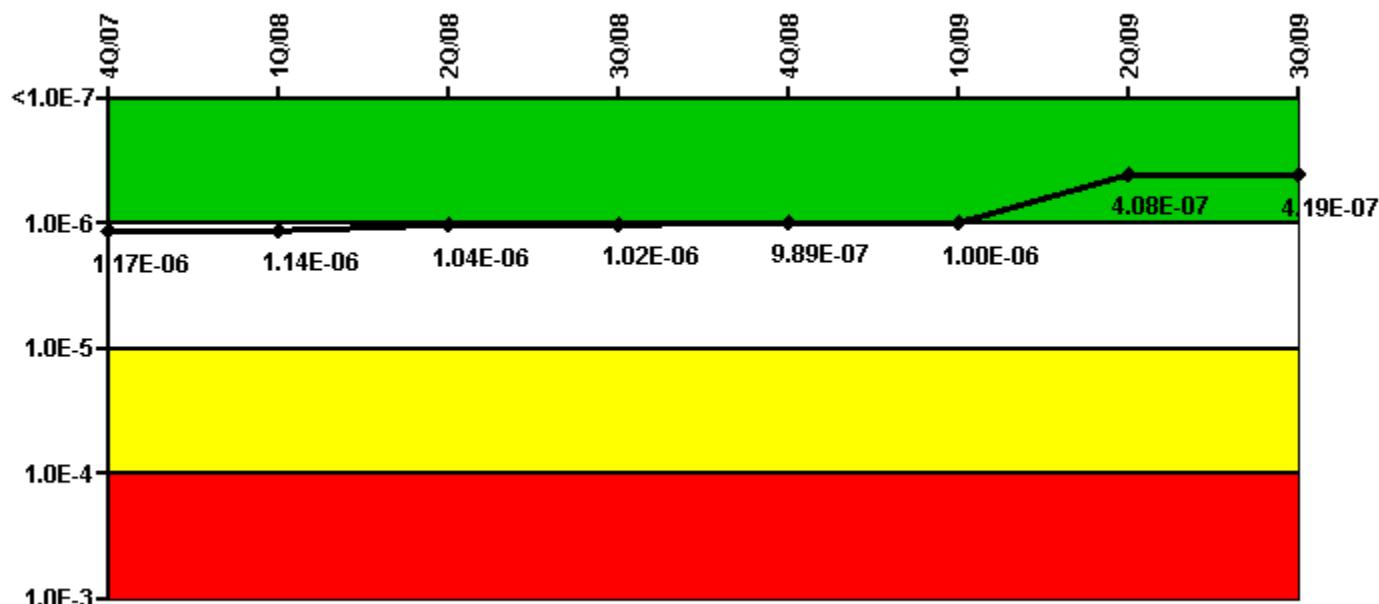
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	2.10E-07	2.50E-07	3.40E-07	3.10E-07	2.90E-07	1.20E-08	1.30E-08	5.10E-08
URI ( $\Delta$ CDF)	4.50E-07	4.50E-07	4.50E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07
PLE	NO							
Indicator value	<b>6.60E-07</b>	<b>7.00E-07</b>	<b>7.90E-07</b>	<b>7.40E-07</b>	<b>7.20E-07</b>	<b>4.42E-07</b>	<b>4.43E-07</b>	<b>4.81E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



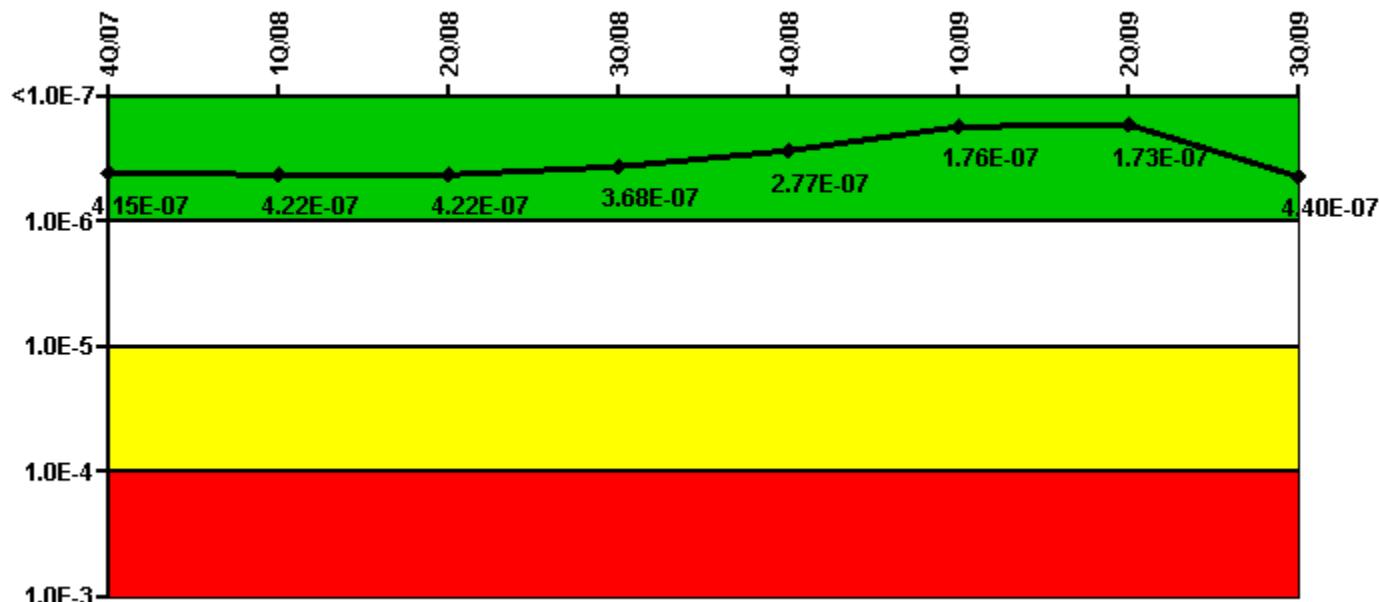
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	2.60E-07	2.30E-07	1.30E-07	9.70E-08	6.90E-08	7.00E-08	3.80E-08	4.90E-08
URI ( $\Delta$ CDF)	9.10E-07	9.10E-07	9.10E-07	9.20E-07	9.20E-07	9.30E-07	3.70E-07	3.70E-07
PLE	NO							
Indicator value	<b>1.17E-06</b>	<b>1.14E-06</b>	<b>1.04E-06</b>	<b>1.02E-06</b>	<b>9.89E-07</b>	<b>1.00E-06</b>	<b>4.08E-07</b>	<b>4.19E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



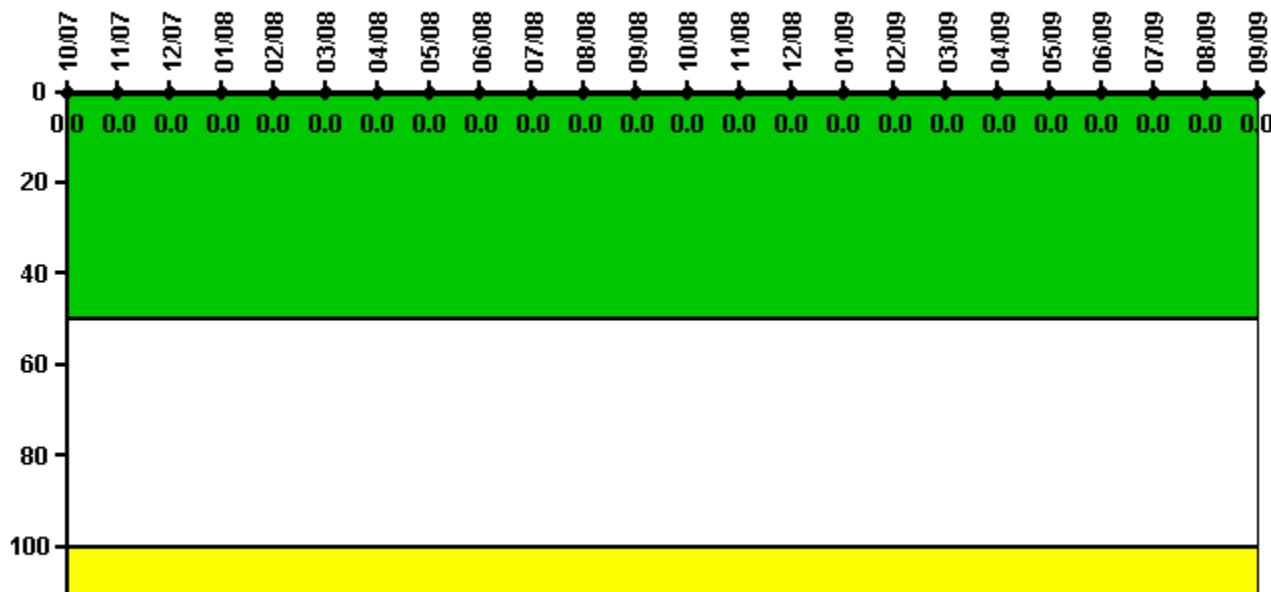
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	1.50E-08	2.20E-08	2.20E-08	1.80E-08	1.70E-08	1.60E-08	1.30E-08	8.00E-08
URI ( $\Delta$ CDF)	4.00E-07	4.00E-07	4.00E-07	3.50E-07	2.60E-07	1.60E-07	1.60E-07	3.60E-07
PLE	NO							
Indicator value	4.15E-07	4.22E-07	4.22E-07	3.68E-07	2.77E-07	1.76E-07	1.73E-07	4.40E-07

Licensee Comments: none

## Reactor Coolant System Activity



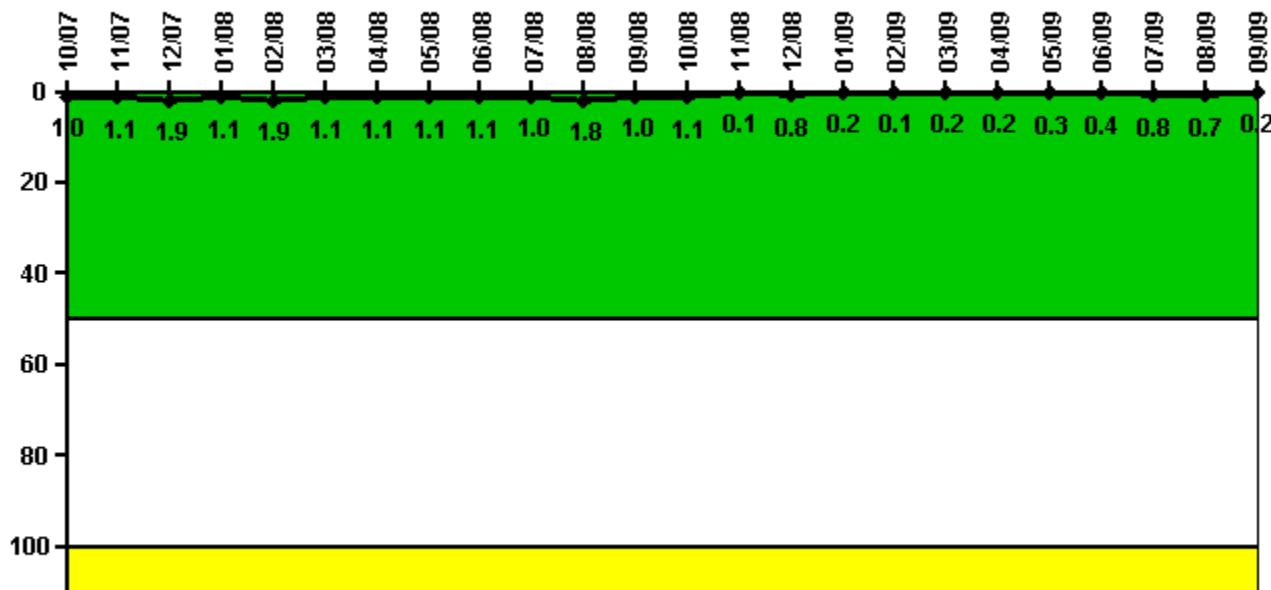
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000061	0.000069	0.000081	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059	0.000055	0.000055	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000056	0.000030	0.000039	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



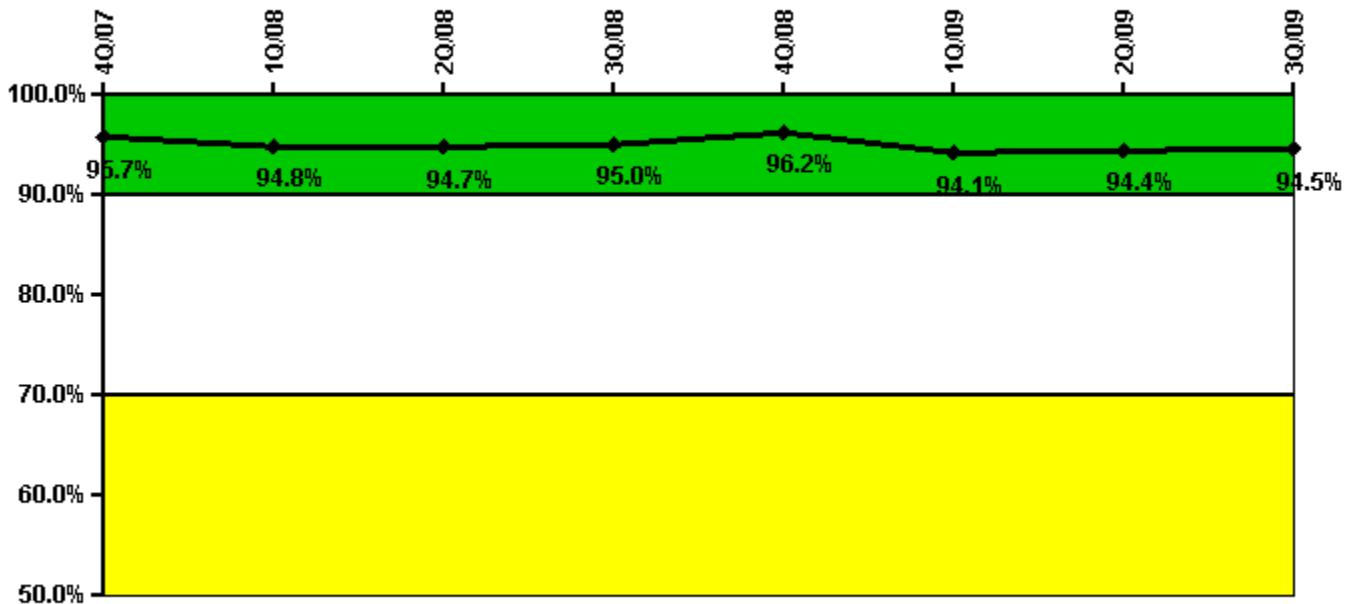
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.100	0.110	0.190	0.110	0.190	0.110	0.110	0.110	0.110	0.100	0.180	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.0</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</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	0.110	0.010	0.080	0.017	0.010	0.020	0.019	0.025	0.035	0.079	0.070	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

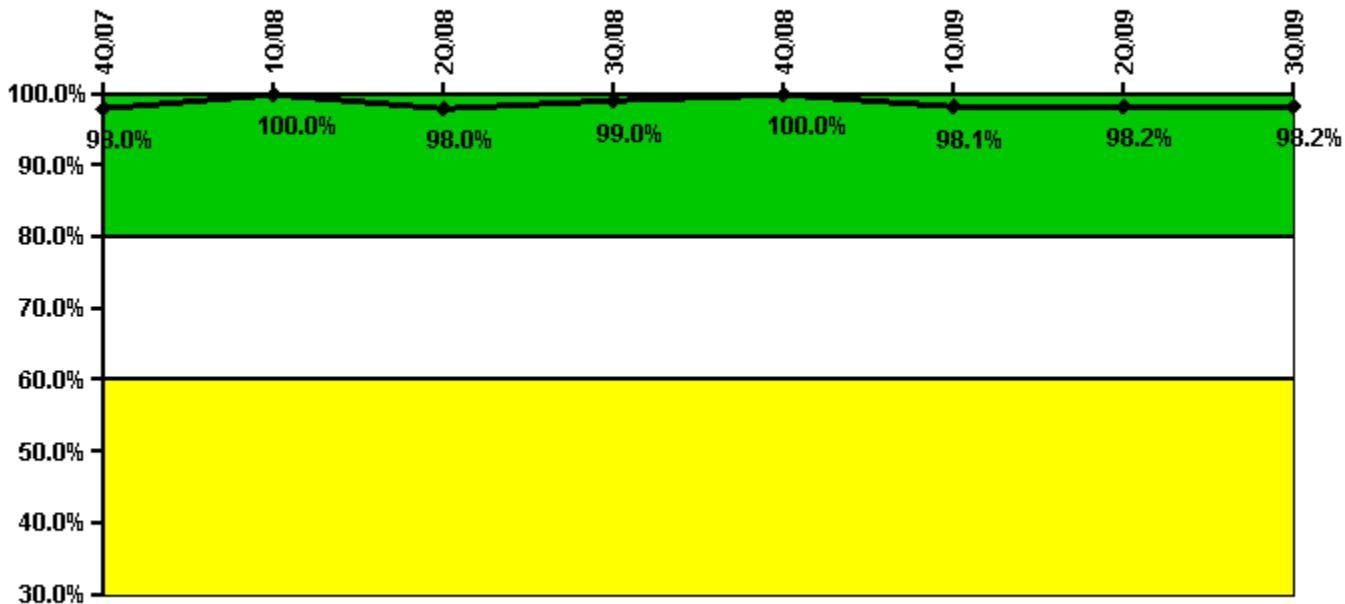
### Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	14.0	57.0	19.0	27.0	13.0	25.0	18.0	15.0
Total opportunities	14.0	62.0	20.0	28.0	13.0	29.0	18.0	15.0
Indicator value	95.7%	94.8%	94.7%	95.0%	96.2%	94.1%	94.4%	94.5%

Licensee Comments: none

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## ERO Drill Participation



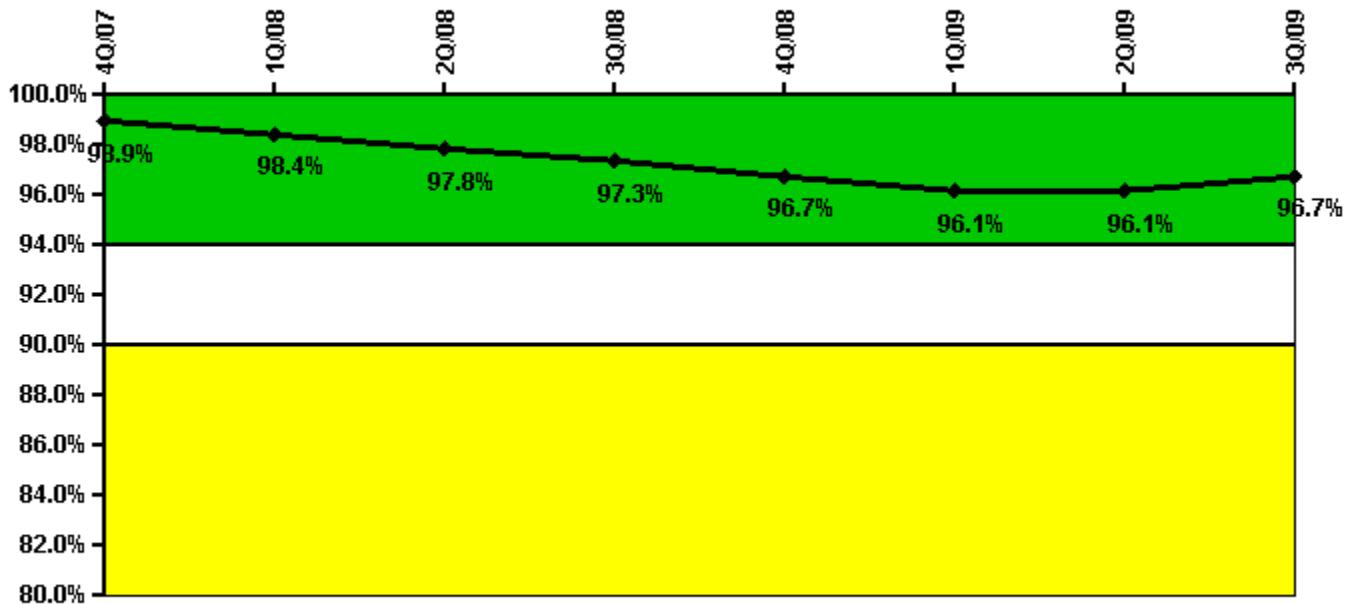
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	100.0	103.0	99.0	98.0	107.0	105.0	110.0	111.0
Total Key personnel	102.0	103.0	101.0	99.0	107.0	107.0	112.0	113.0
Indicator value	98.0%	100.0%	98.0%	99.0%	100.0%	98.1%	98.2%	98.2%

Licensee Comments: none

## Alert & Notification System



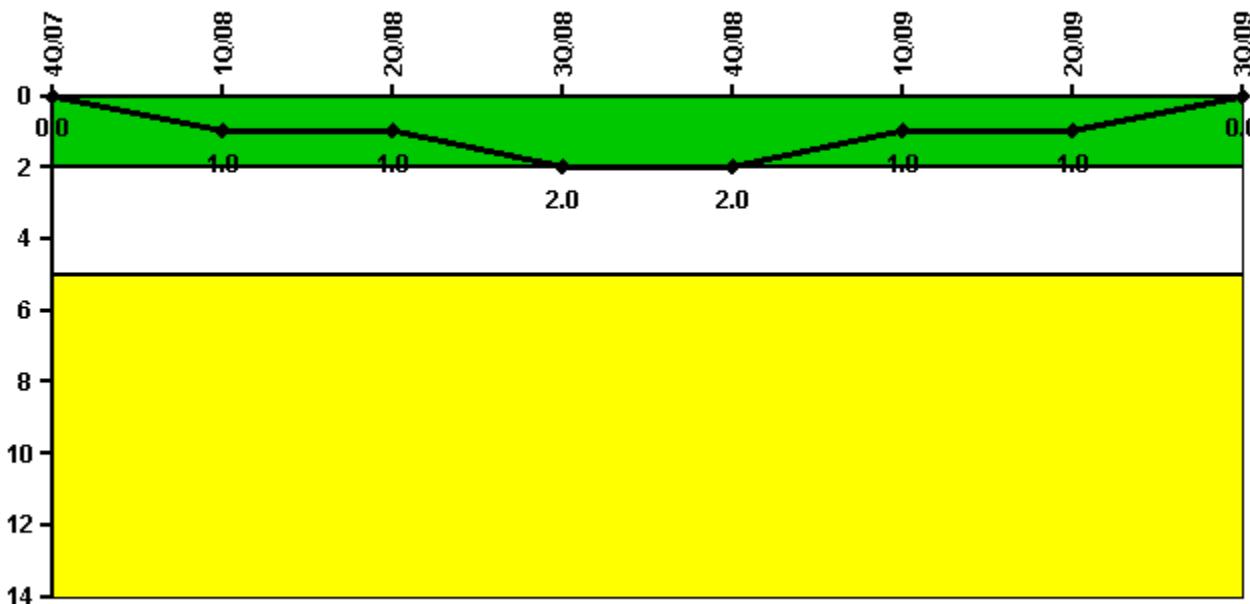
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	47	44	43	44	46	40	43	45
Total sirens-tests	48	45	45	45	48	42	45	45
<b>Indicator value</b>	<b>98.9%</b>	<b>98.4%</b>	<b>97.8%</b>	<b>97.3%</b>	<b>96.7%</b>	<b>96.1%</b>	<b>96.1%</b>	<b>96.7%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



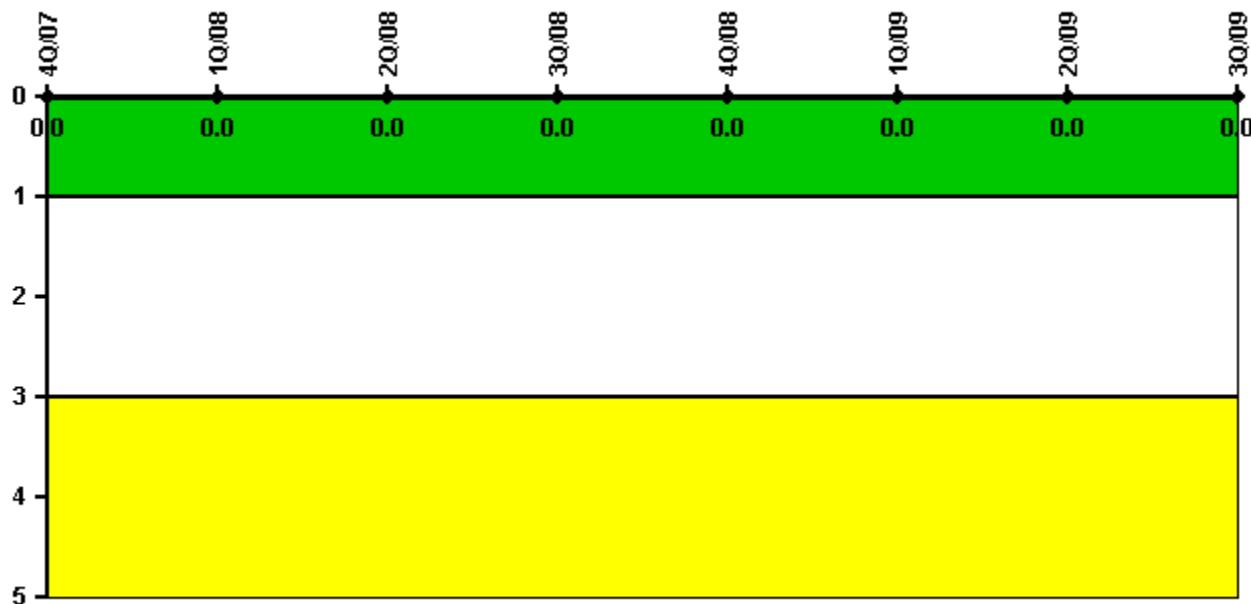
Thresholds: White > 2.0 Yellow > 5.0

### 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	1	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>1</b>	<b>1</b>	<b>2</b>	<b>2</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	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.

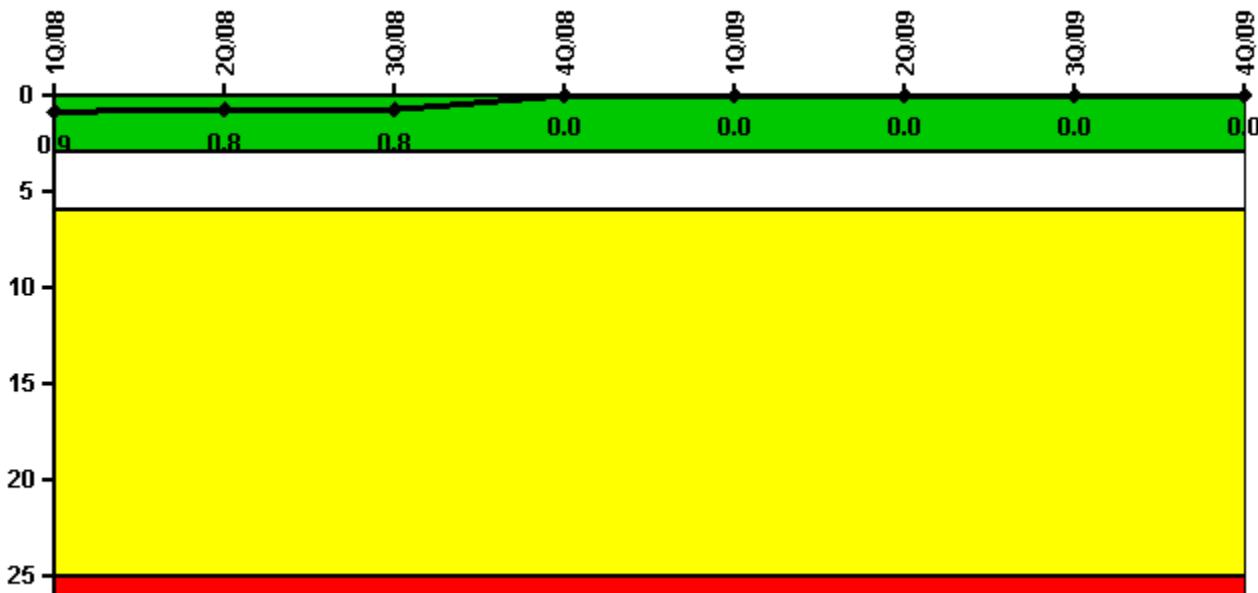
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# Farley 2

## 4Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



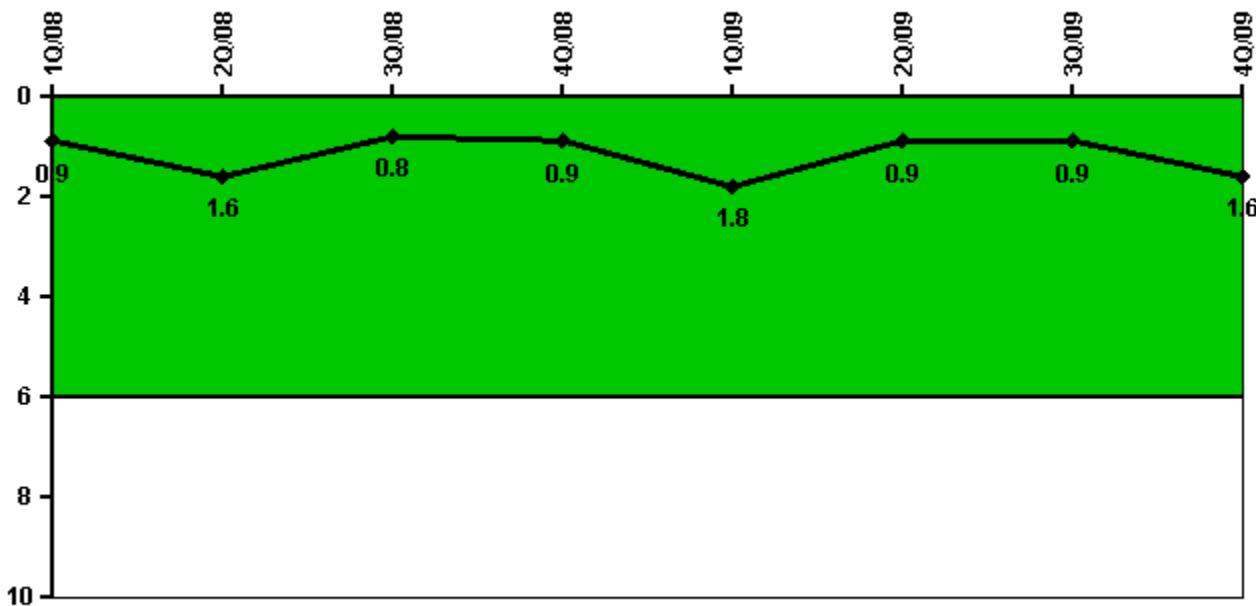
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0
Indicator value	0.9	0.8	0.8	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



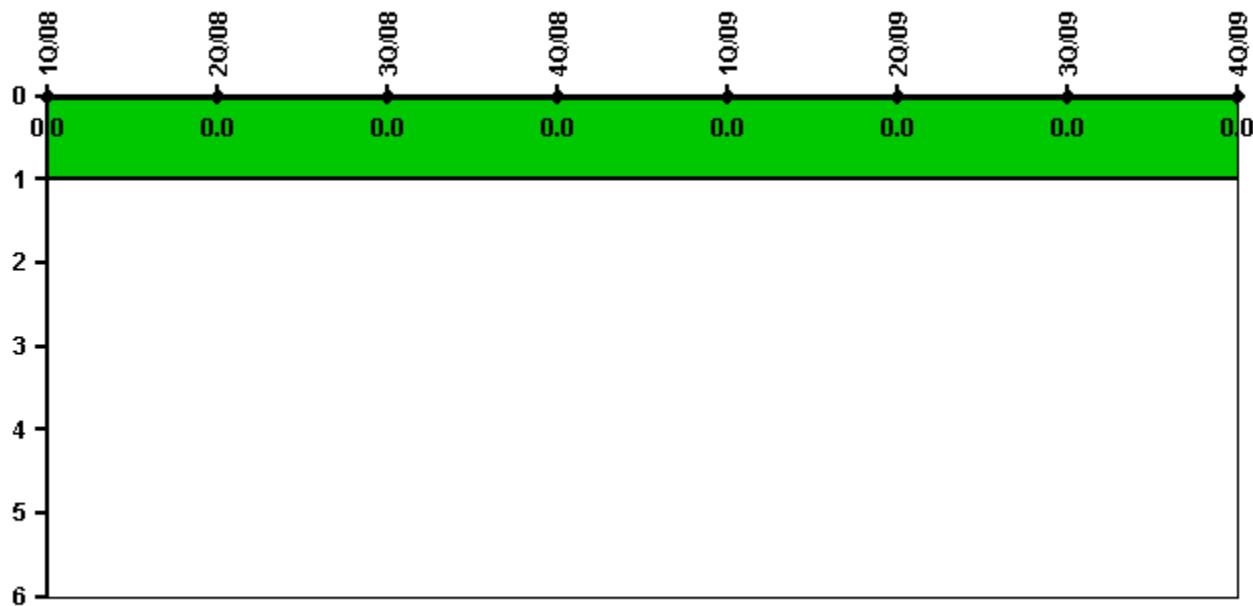
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	1.0	0	0	1.0	0	0	1.0
Critical hours	2183.0	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0
Indicator value	0.9	1.6	0.8	0.9	1.8	0.9	0.9	1.6

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

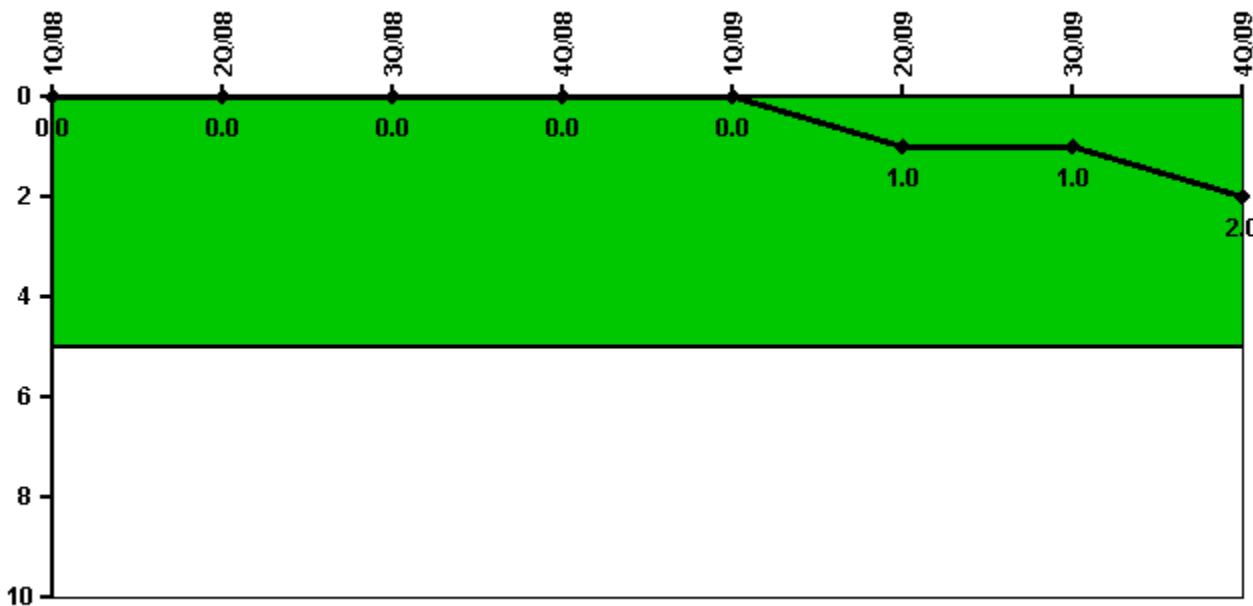
### Notes

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 (PWR)



Thresholds: White > 5.0

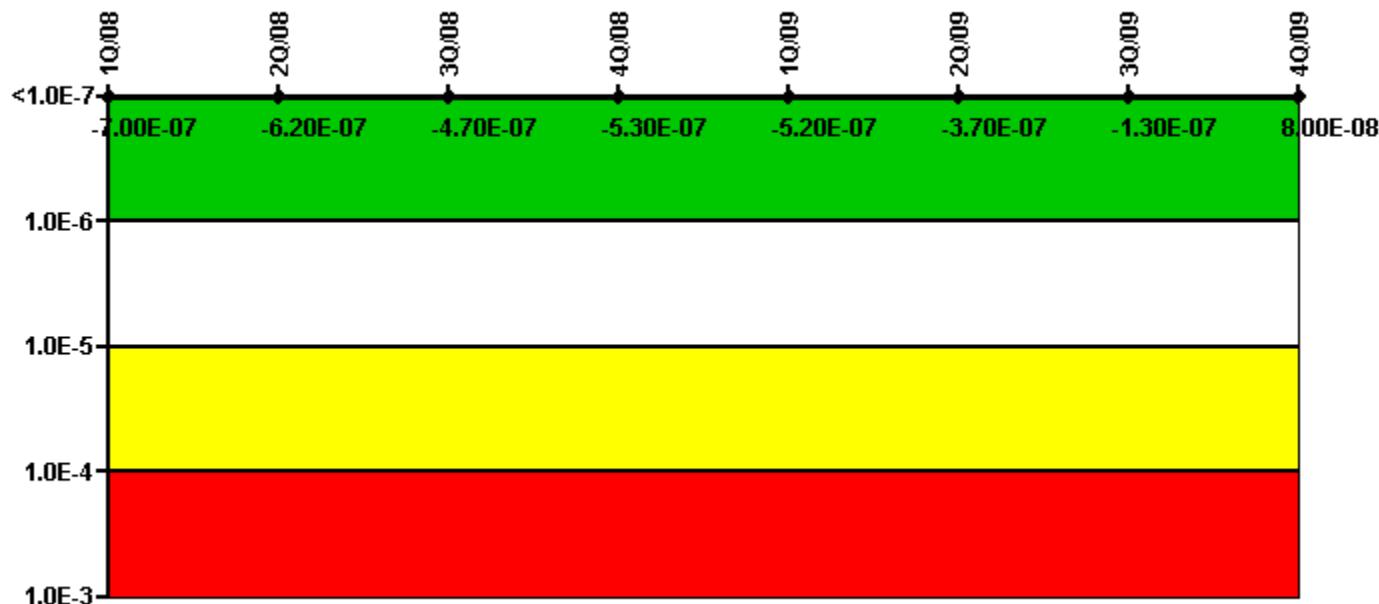
### Notes

Safety System Functional Failures (PWR)	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	1	0	1
Indicator value	0	0	0	0	0	1	1	2

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



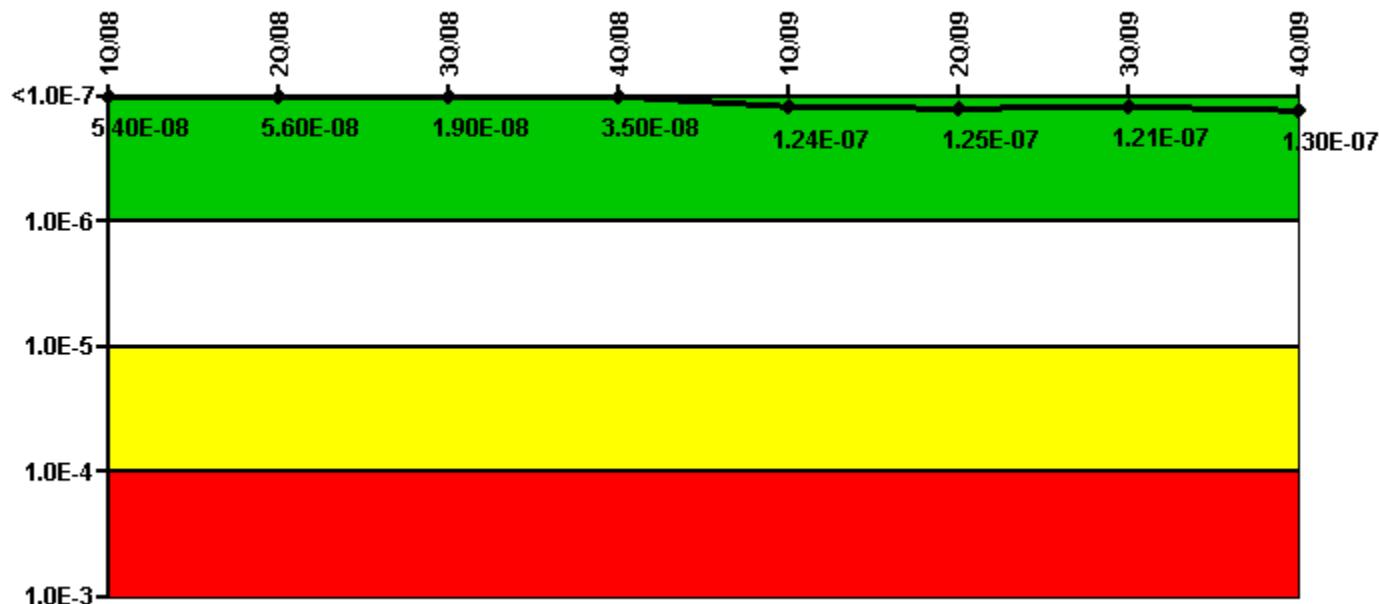
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	4.00E-07	4.80E-07	2.60E-07	2.00E-07	2.10E-07	3.60E-07	6.00E-07	8.10E-07
URI ( $\Delta$ CDF)	-1.10E-06	-1.10E-06	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07
PLE	NO	NO						
Indicator value	<b>-7.00E-07</b>	<b>-6.20E-07</b>	<b>-4.70E-07</b>	<b>-5.30E-07</b>	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



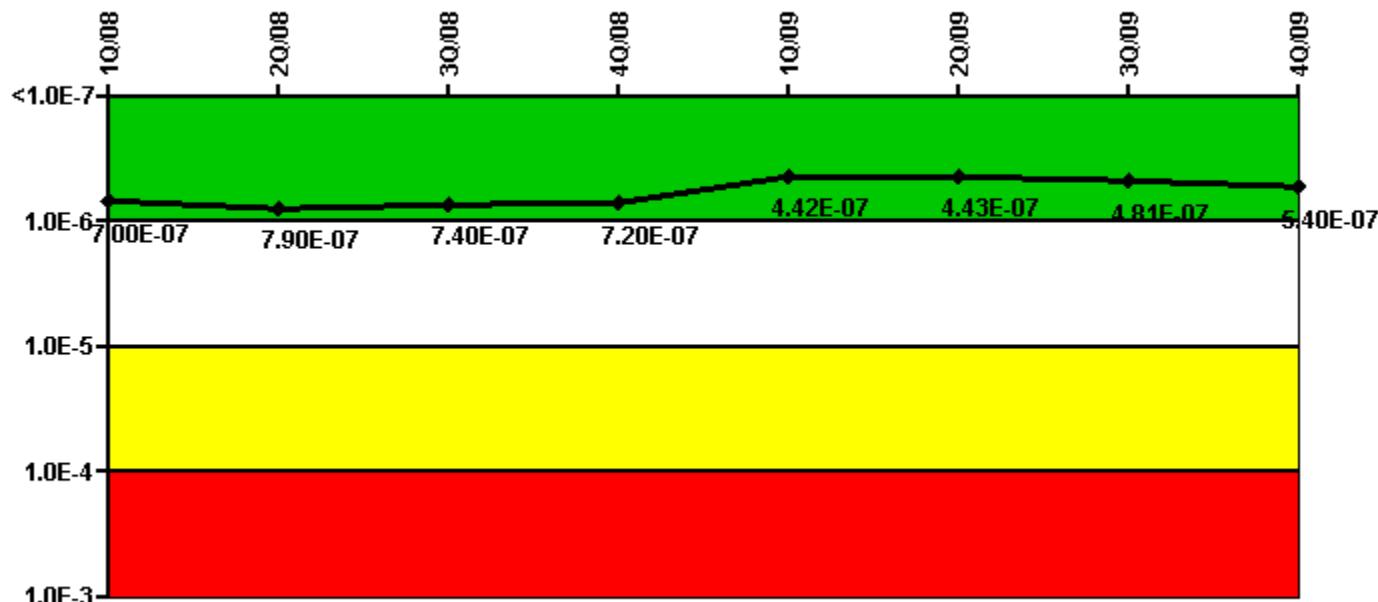
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	-2.30E-08	-2.10E-08	-1.10E-08	6.70E-08	9.40E-08	9.50E-08	9.10E-08	1.00E-07
URI ( $\Delta$ CDF)	7.70E-08	7.70E-08	3.00E-08	-3.20E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
PLE	NO							
Indicator value	<b>5.40E-08</b>	<b>5.60E-08</b>	<b>1.90E-08</b>	<b>3.50E-08</b>	<b>1.24E-07</b>	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



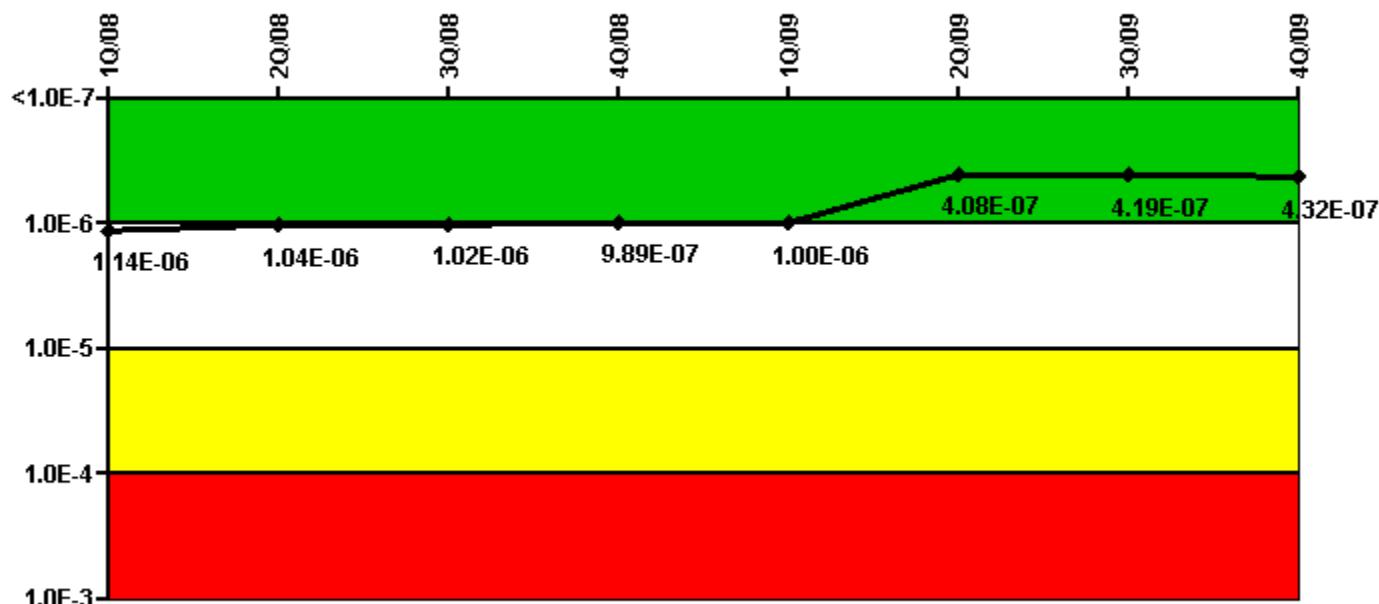
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	2.50E-07	3.40E-07	3.10E-07	2.90E-07	1.20E-08	1.30E-08	5.10E-08	1.10E-07
URI ( $\Delta$ CDF)	4.50E-07	4.50E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07
PLE	NO							
Indicator value	<b>7.00E-07</b>	<b>7.90E-07</b>	<b>7.40E-07</b>	<b>7.20E-07</b>	<b>4.42E-07</b>	<b>4.43E-07</b>	<b>4.81E-07</b>	<b>5.40E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



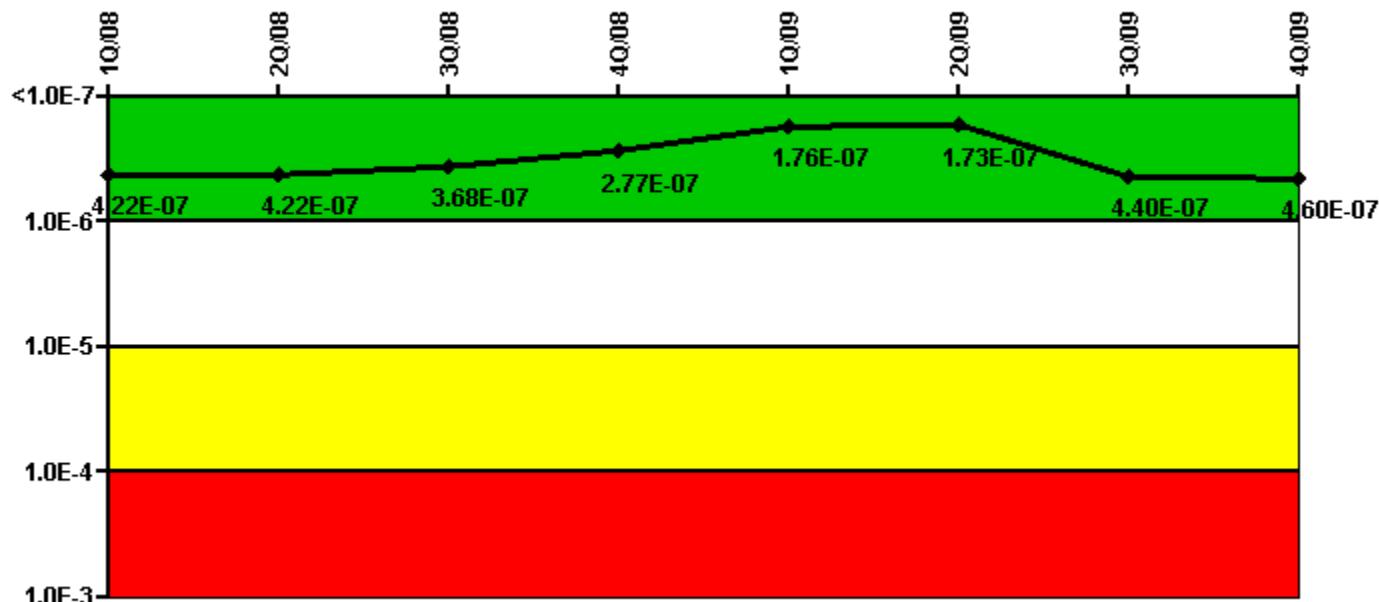
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	2.30E-07	1.30E-07	9.70E-08	6.90E-08	7.00E-08	3.80E-08	4.90E-08	6.20E-08
URI ( $\Delta$ CDF)	9.10E-07	9.10E-07	9.20E-07	9.20E-07	9.30E-07	3.70E-07	3.70E-07	3.70E-07
PLE	NO							
Indicator value	<b>1.14E-06</b>	<b>1.04E-06</b>	<b>1.02E-06</b>	<b>9.89E-07</b>	<b>1.00E-06</b>	<b>4.08E-07</b>	<b>4.19E-07</b>	<b>4.32E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



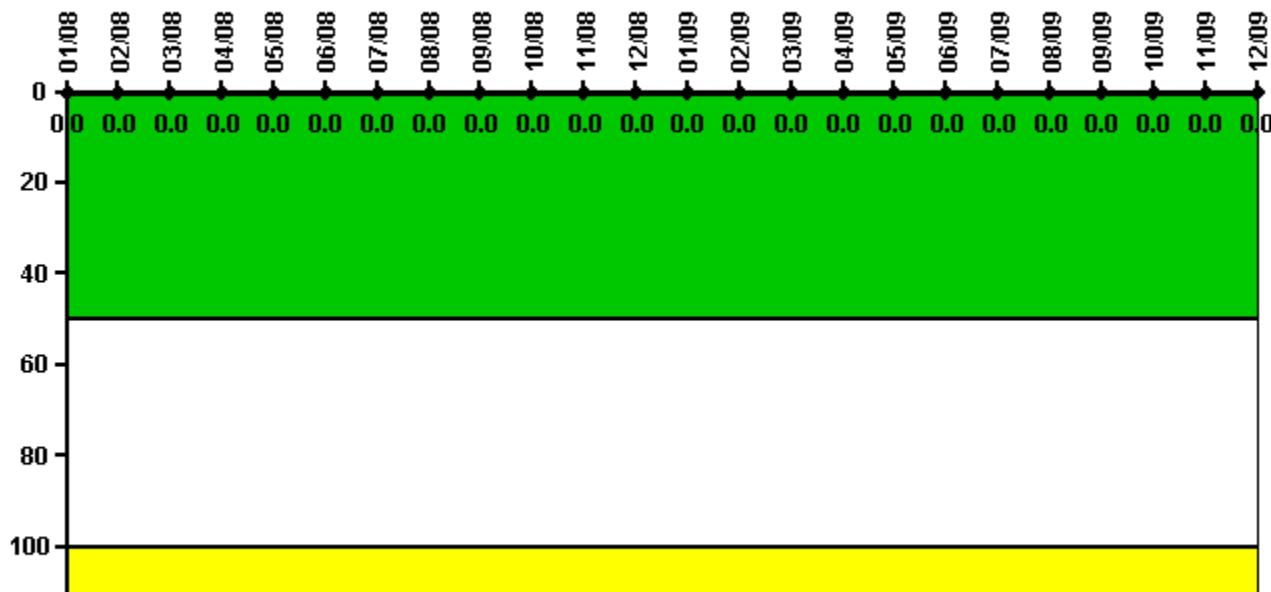
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI ( $\Delta$ CDF)	2.20E-08	2.20E-08	1.80E-08	1.70E-08	1.60E-08	1.30E-08	8.00E-08	1.00E-07
URI ( $\Delta$ CDF)	4.00E-07	4.00E-07	3.50E-07	2.60E-07	1.60E-07	1.60E-07	3.60E-07	3.60E-07
PLE	NO							
<b>Indicator value</b>	<b>4.22E-07</b>	<b>4.22E-07</b>	<b>3.68E-07</b>	<b>2.77E-07</b>	<b>1.76E-07</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



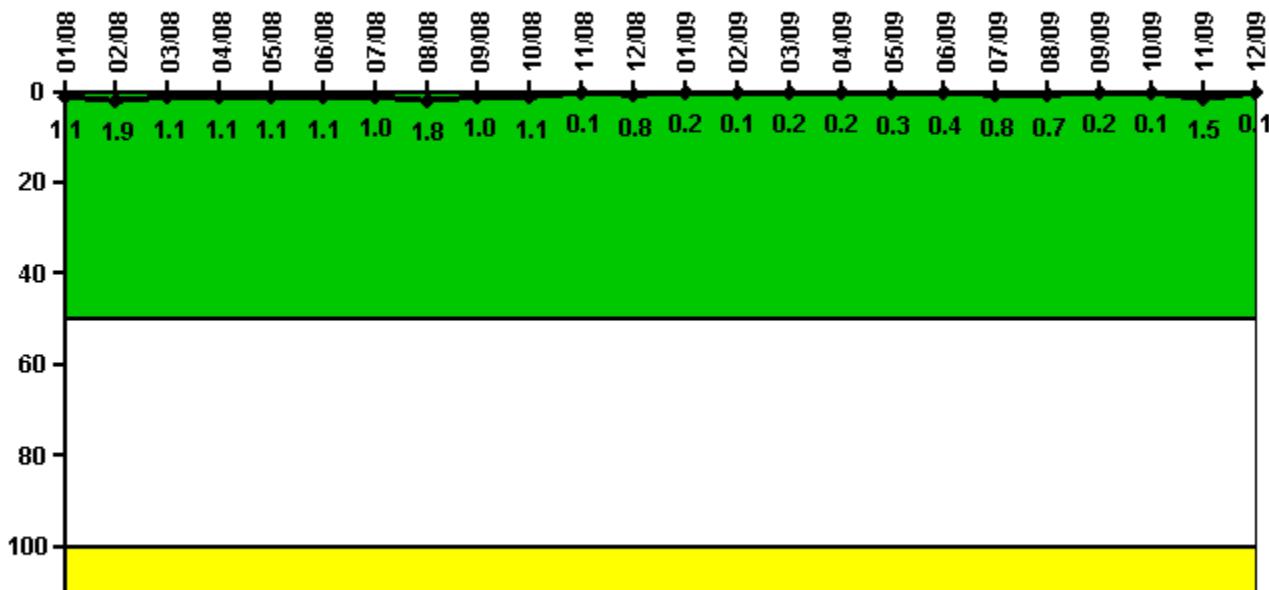
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000051	0.000160	0.000051	0.000054	0.000058	0.000059	0.000055	0.000055	0.000055	0.000056	0.000030	0.000039
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



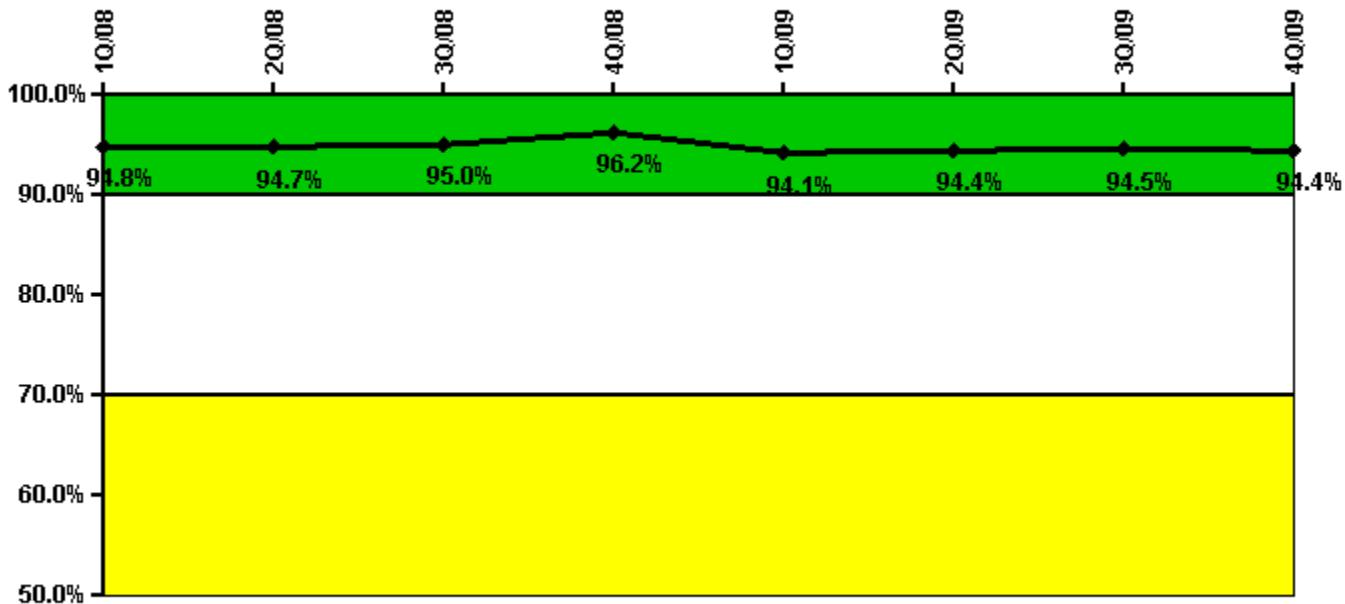
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.110	0.190	0.110	0.110	0.110	0.110	0.100	0.180	0.100	0.110	0.010	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</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	0.017	0.010	0.020	0.019	0.025	0.035	0.079	0.070	0.015	0.014	0.150	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

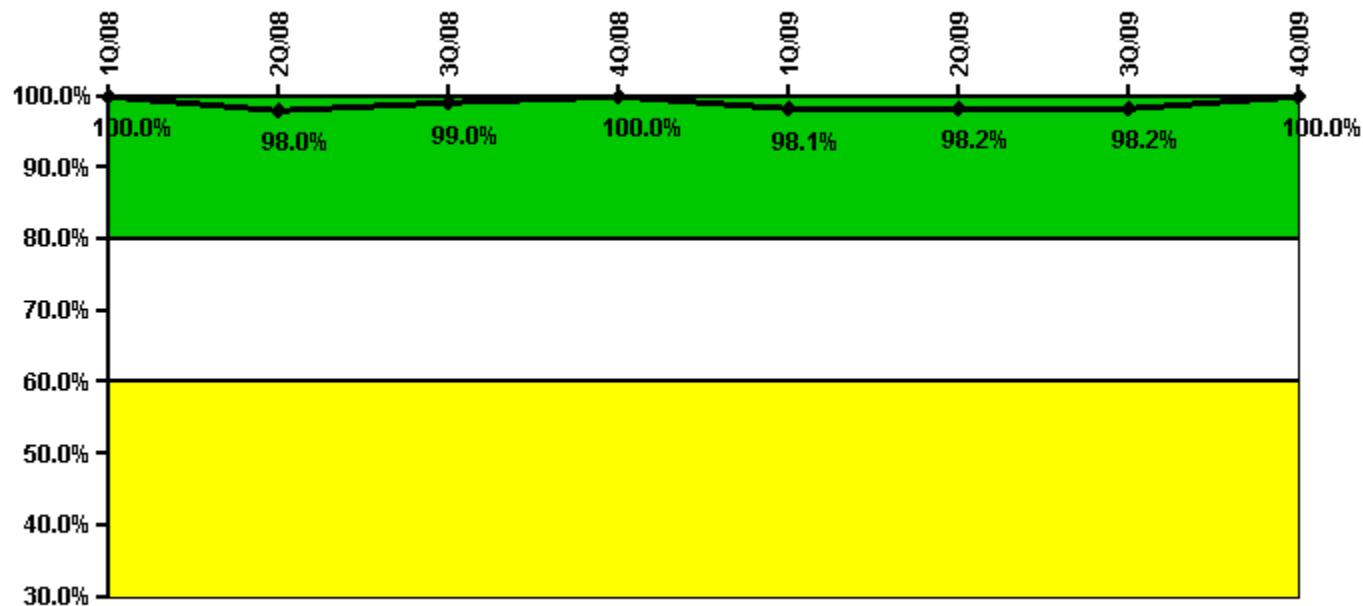
### Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	57.0	19.0	27.0	13.0	25.0	18.0	15.0	30.0
Total opportunities	62.0	20.0	28.0	13.0	29.0	18.0	15.0	31.0
<b>Indicator value</b>	<b>94.8%</b>	<b>94.7%</b>	<b>95.0%</b>	<b>96.2%</b>	<b>94.1%</b>	<b>94.4%</b>	<b>94.5%</b>	<b>94.4%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

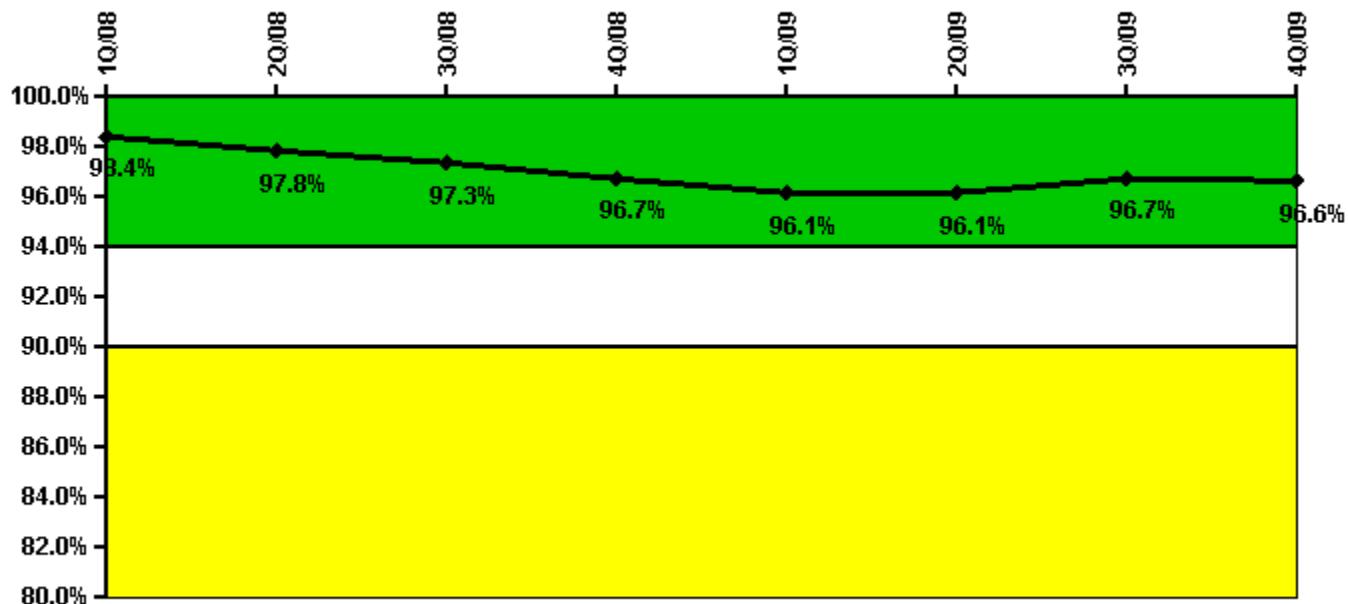
### Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	103.0	99.0	98.0	107.0	105.0	110.0	111.0	110.0
Total Key personnel	103.0	101.0	99.0	107.0	107.0	112.0	113.0	110.0
Indicator value	<b>100.0%</b>	<b>98.0%</b>	<b>99.0%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



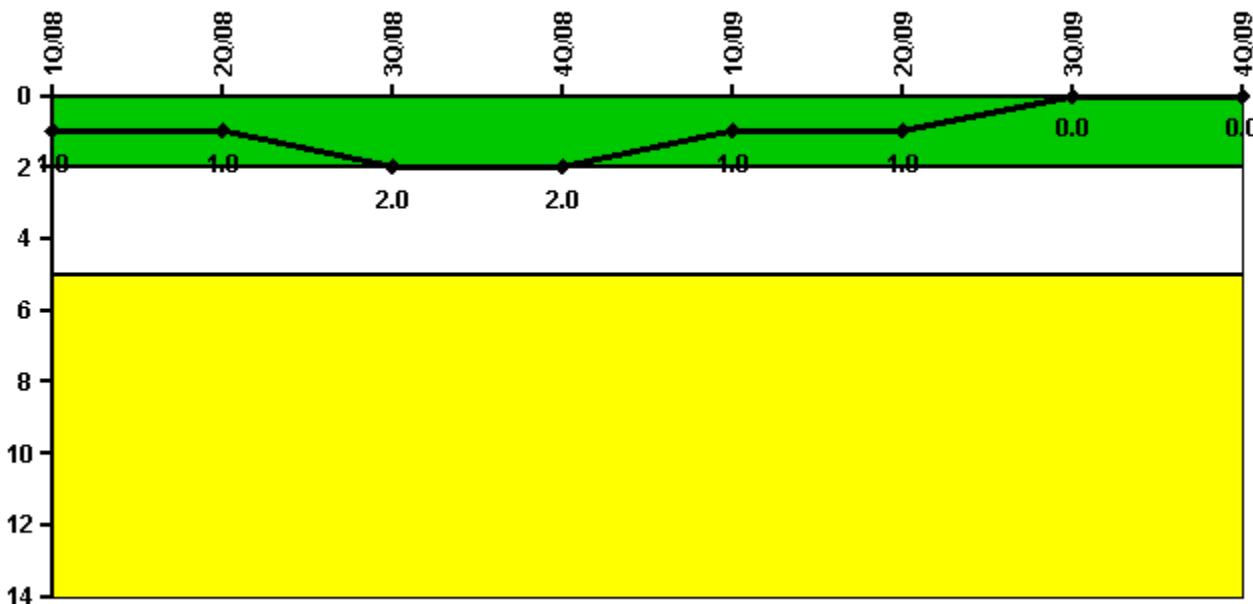
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	44	43	44	46	40	43	45	40
Total sirens-tests	45	45	45	48	42	45	45	42
Indicator value	98.4%	97.8%	97.3%	96.7%	96.1%	96.1%	96.7%	96.6%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

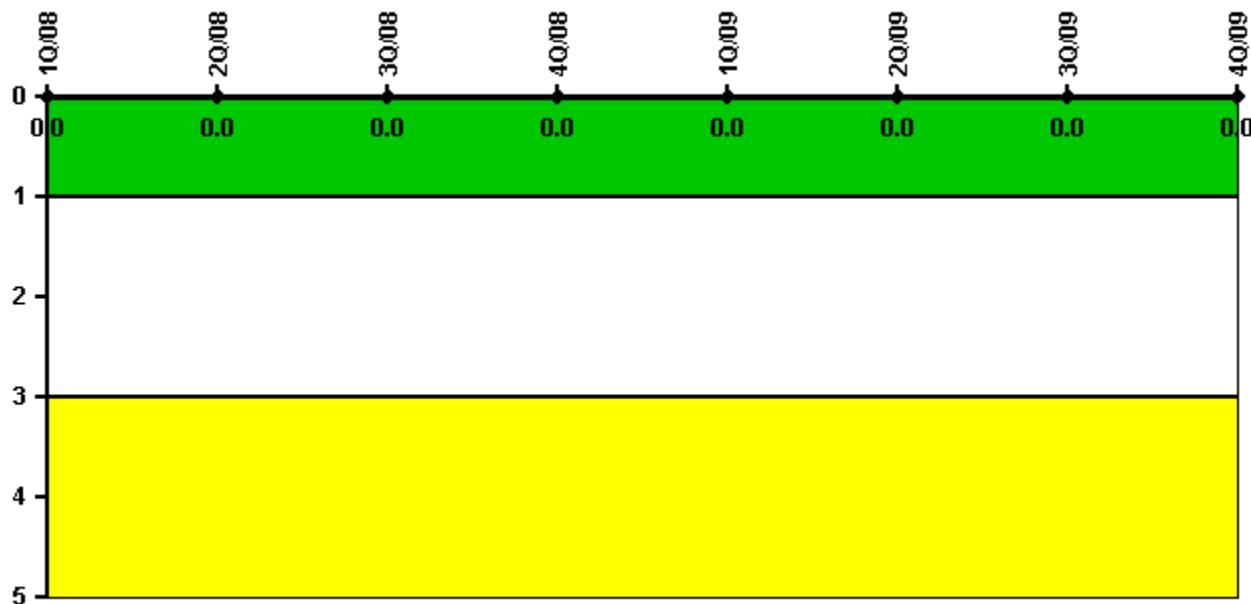
### Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
High radiation area occurrences	1	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>1</b>	<b>1</b>	<b>2</b>	<b>2</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	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.

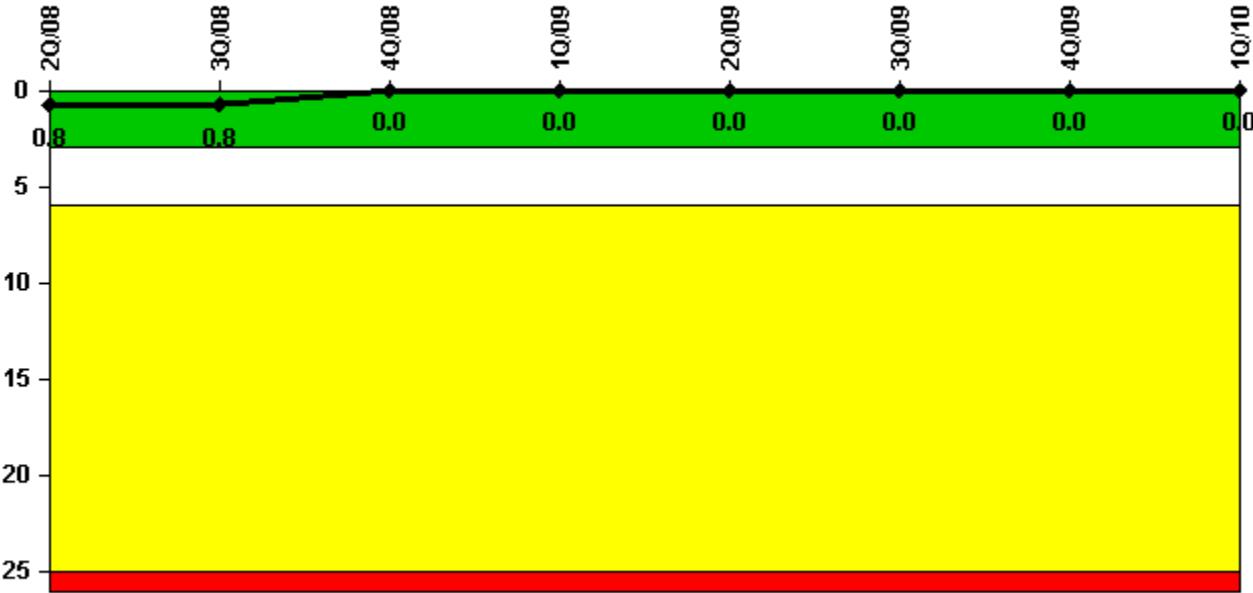
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# Farley 2

## 1Q/2010 Performance Indicators

Licensee's General Comments: MS09 Unavailable hours removed that were conservatively reported. Affects 3Q2009 and 4Q2009. Indicator color not affected.

### Unplanned Scrams per 7000 Critical Hrs



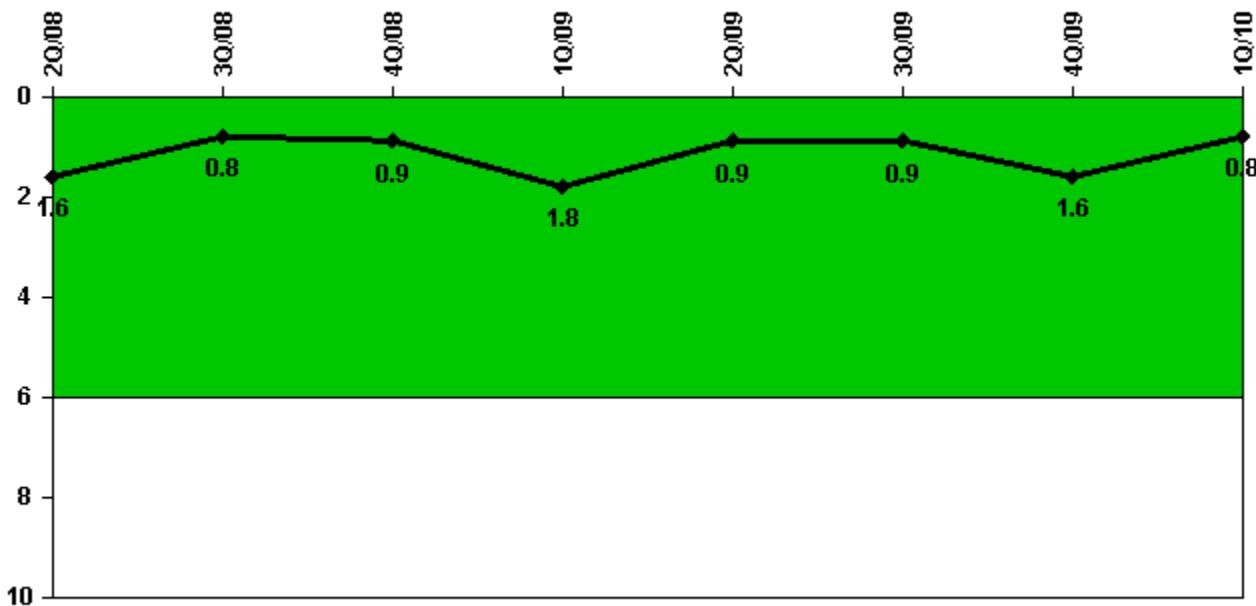
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0
Indicator value	0.8	0.8	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

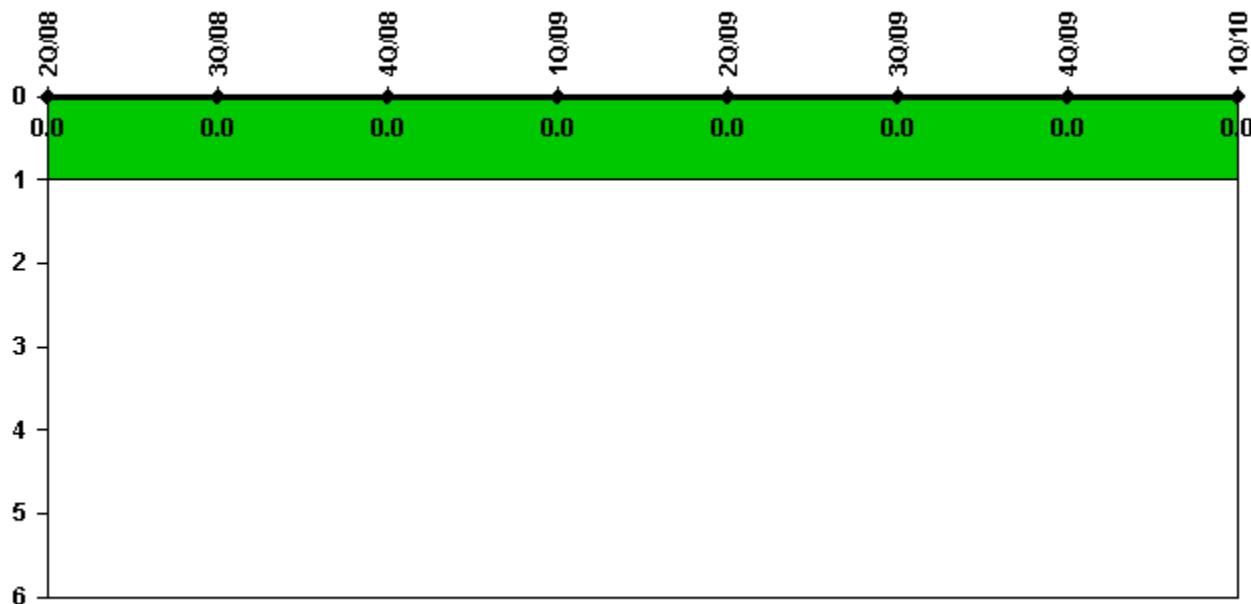
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	1.0	0	0	1.0	0	0	1.0	0
Critical hours	2184.0	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0
Indicator value	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

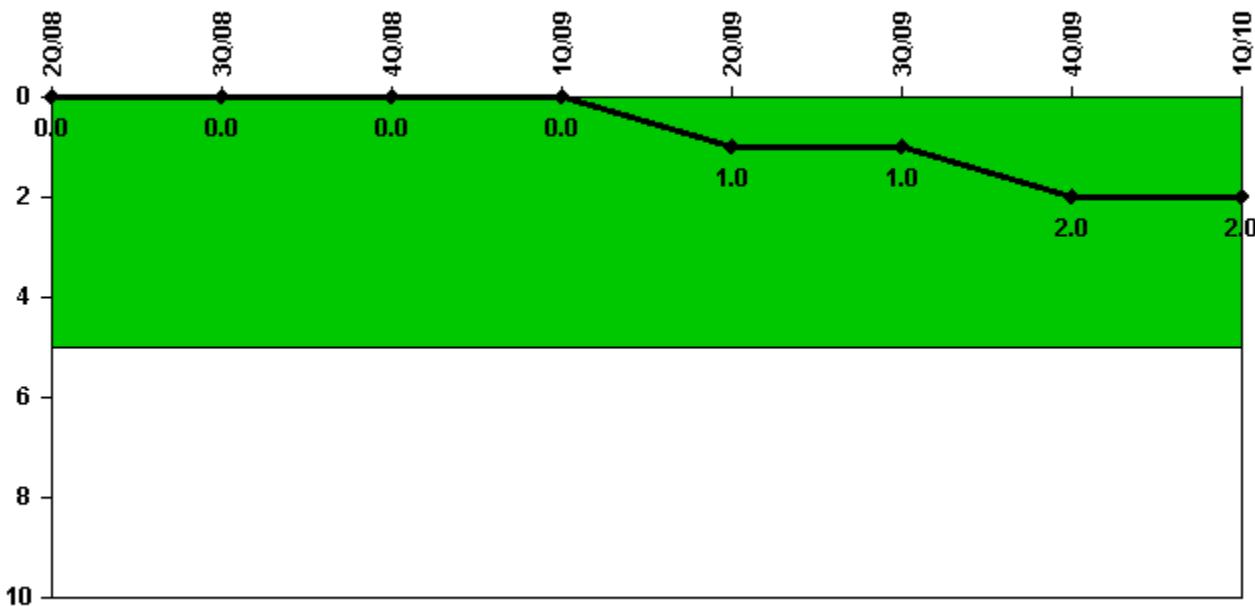
### Notes

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

---

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

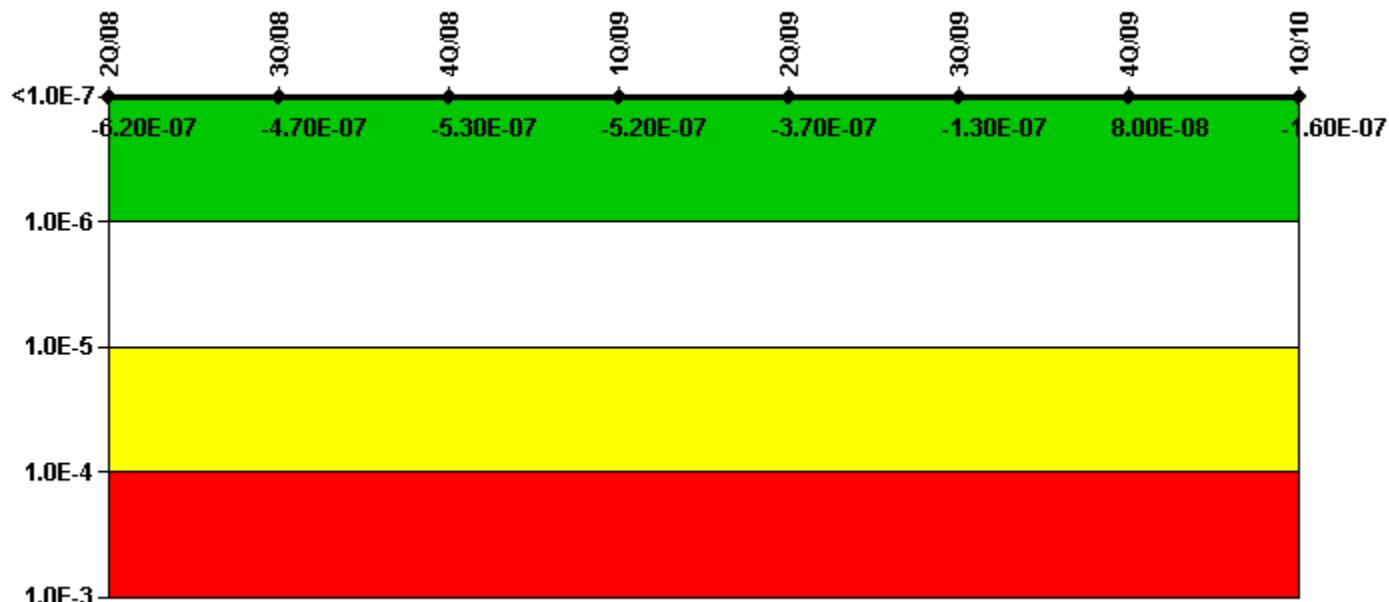
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



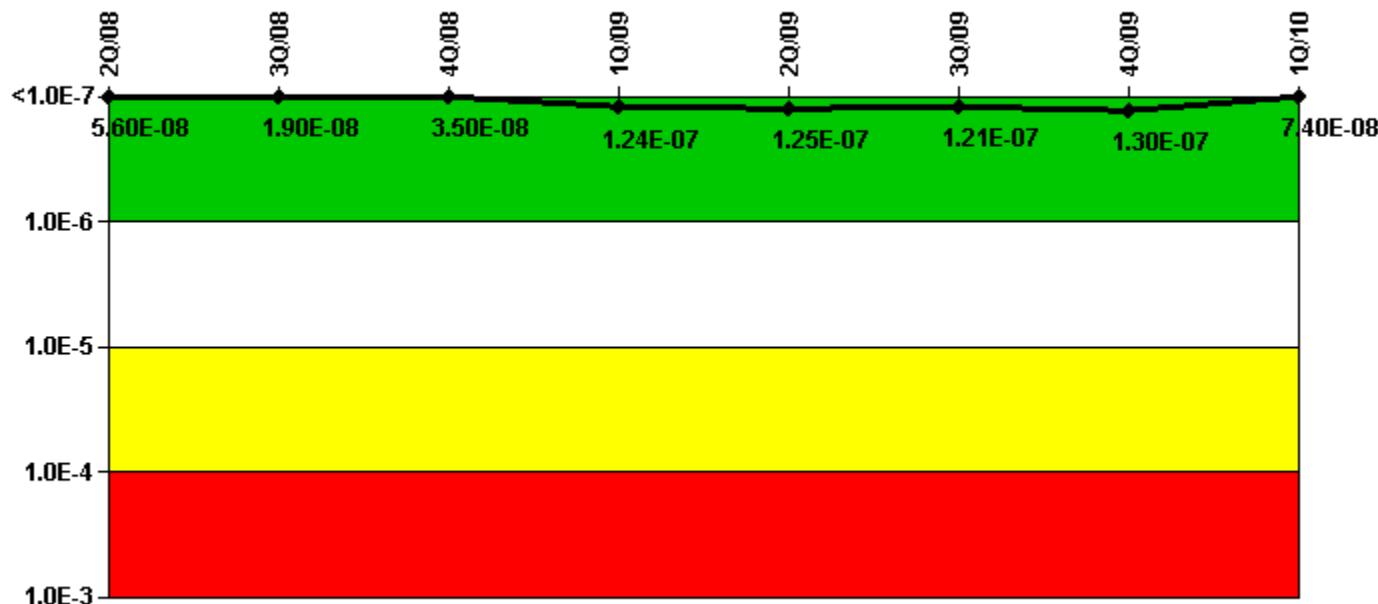
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	4.80E-07	2.60E-07	2.00E-07	2.10E-07	3.60E-07	6.00E-07	8.10E-07	5.71E-07
URI ( $\Delta$ CDF)	-1.10E-06	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-6.20E-07</b>	<b>-4.70E-07</b>	<b>-5.30E-07</b>	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>	<b>-1.60E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



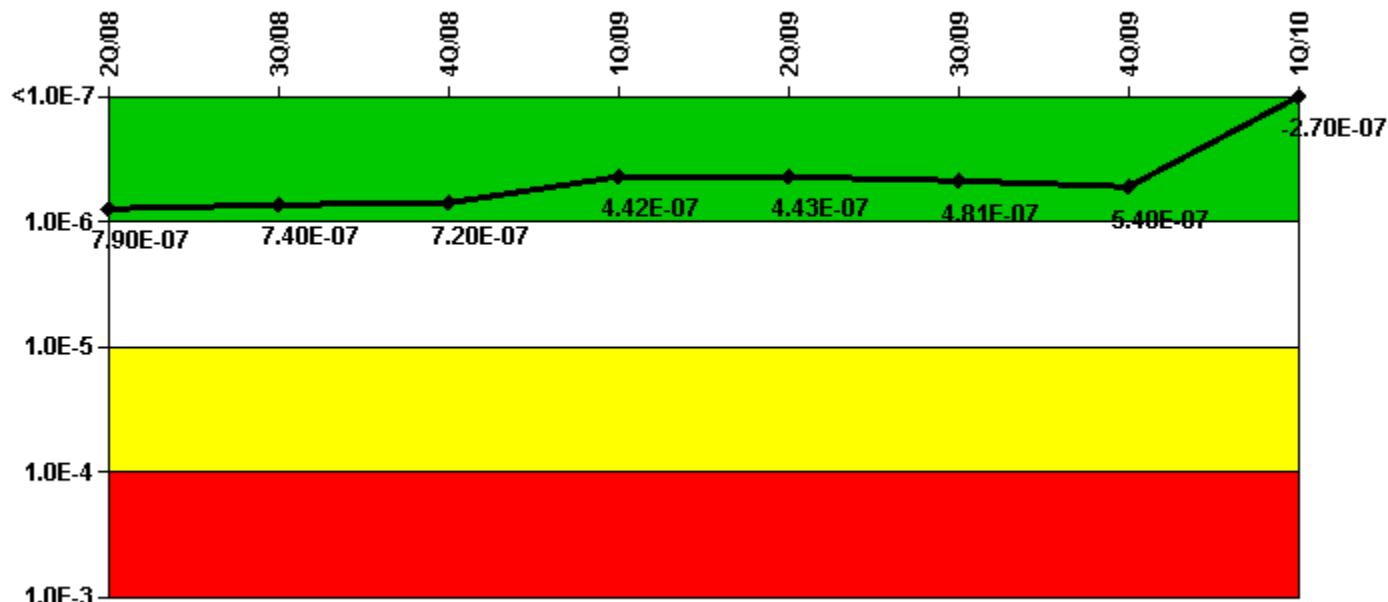
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	-2.10E-08	-1.10E-08	6.70E-08	9.40E-08	9.50E-08	9.10E-08	1.00E-07	4.40E-08
URI ( $\Delta$ CDF)	7.70E-08	3.00E-08	-3.20E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
PLE	NO							
Indicator value	<b>5.60E-08</b>	<b>1.90E-08</b>	<b>3.50E-08</b>	<b>1.24E-07</b>	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Heat Removal System



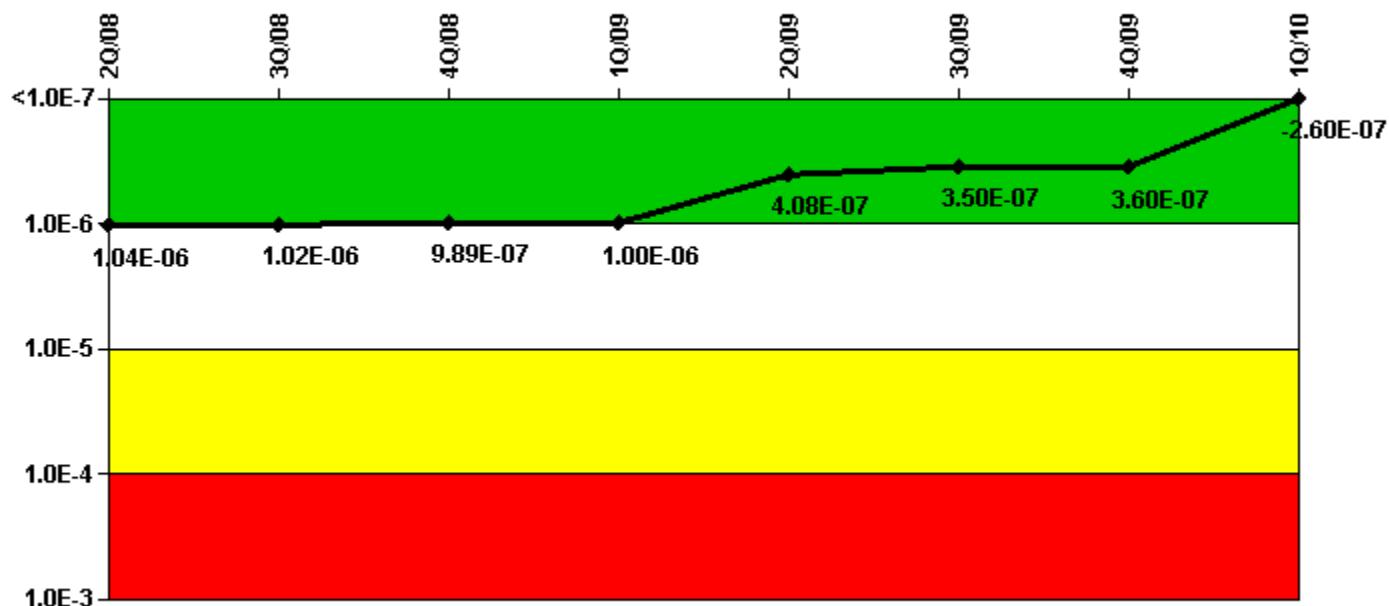
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	3.40E-07	3.10E-07	2.90E-07	1.20E-08	1.30E-08	5.10E-08	1.10E-07	8.12E-08
URI ( $\Delta$ CDF)	4.50E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	-3.53E-07
PLE	NO							
Indicator value	7.90E-07	7.40E-07	7.20E-07	4.42E-07	4.43E-07	4.81E-07	5.40E-07	-2.70E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

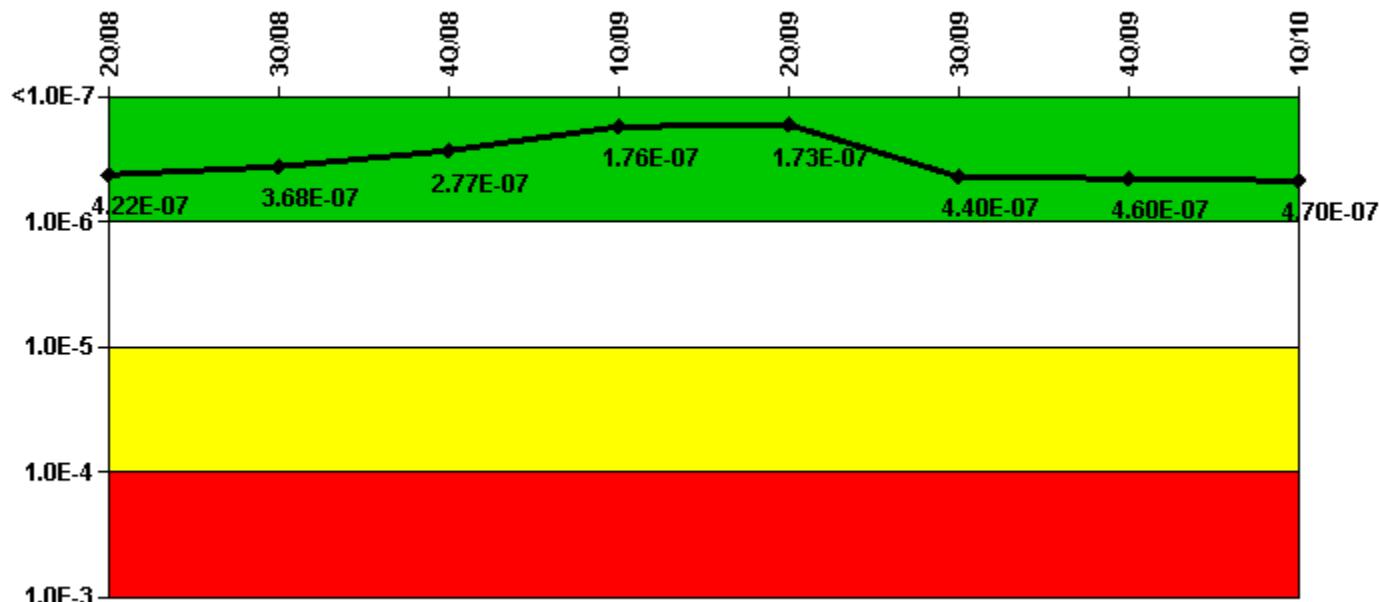
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI ( $\Delta$ CDF)	1.30E-07	9.70E-08	6.90E-08	7.00E-08	3.80E-08	3.78E-08	4.88E-08	-6.95E-08
URI ( $\Delta$ CDF)	9.10E-07	9.20E-07	9.20E-07	9.30E-07	3.70E-07	3.14E-07	3.14E-07	-1.86E-07
PLE	NO							
Indicator value	<b>1.04E-06</b>	<b>1.02E-06</b>	<b>9.89E-07</b>	<b>1.00E-06</b>	<b>4.08E-07</b>	<b>3.50E-07</b>	<b>3.60E-07</b>	<b>-2.60E-07</b>

Licensee Comments:

4Q/09: Risk Cap Invoked.

3Q/09: Risk Cap Invoked.

## Mitigating Systems Performance Index, Cooling Water Systems



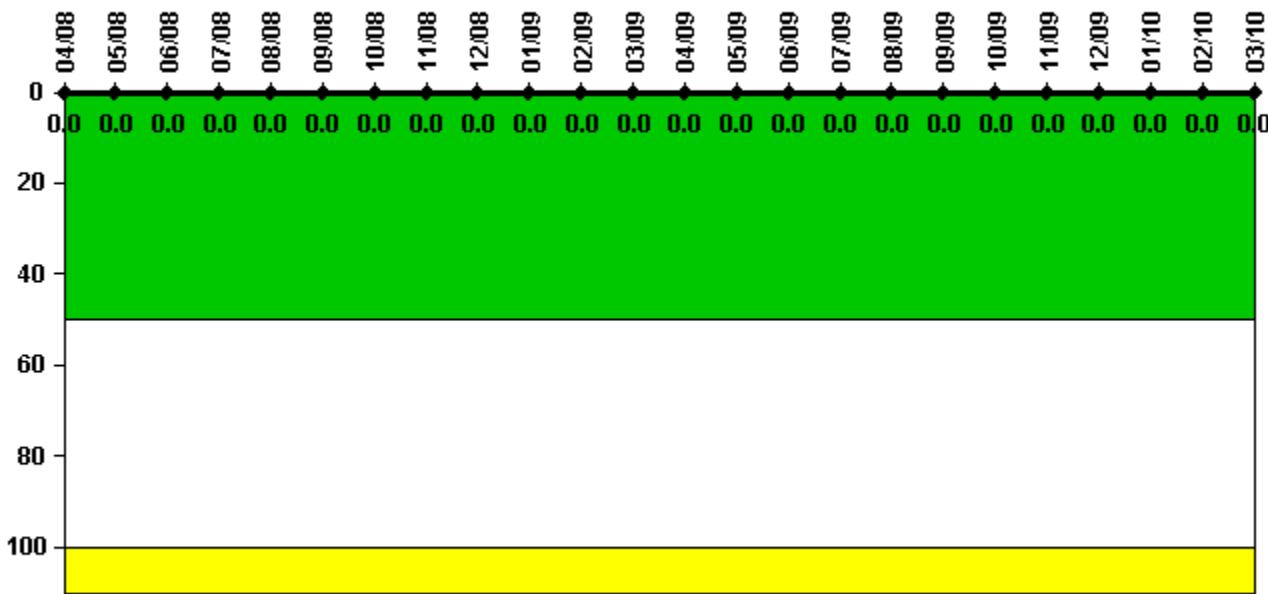
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	2.20E-08	1.80E-08	1.70E-08	1.60E-08	1.30E-08	8.00E-08	1.00E-07	1.10E-07
URI ( $\Delta$ CDF)	4.00E-07	3.50E-07	2.60E-07	1.60E-07	1.60E-07	3.60E-07	3.60E-07	3.55E-07
PLE	NO							
<b>Indicator value</b>	<b>4.22E-07</b>	<b>3.68E-07</b>	<b>2.77E-07</b>	<b>1.76E-07</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



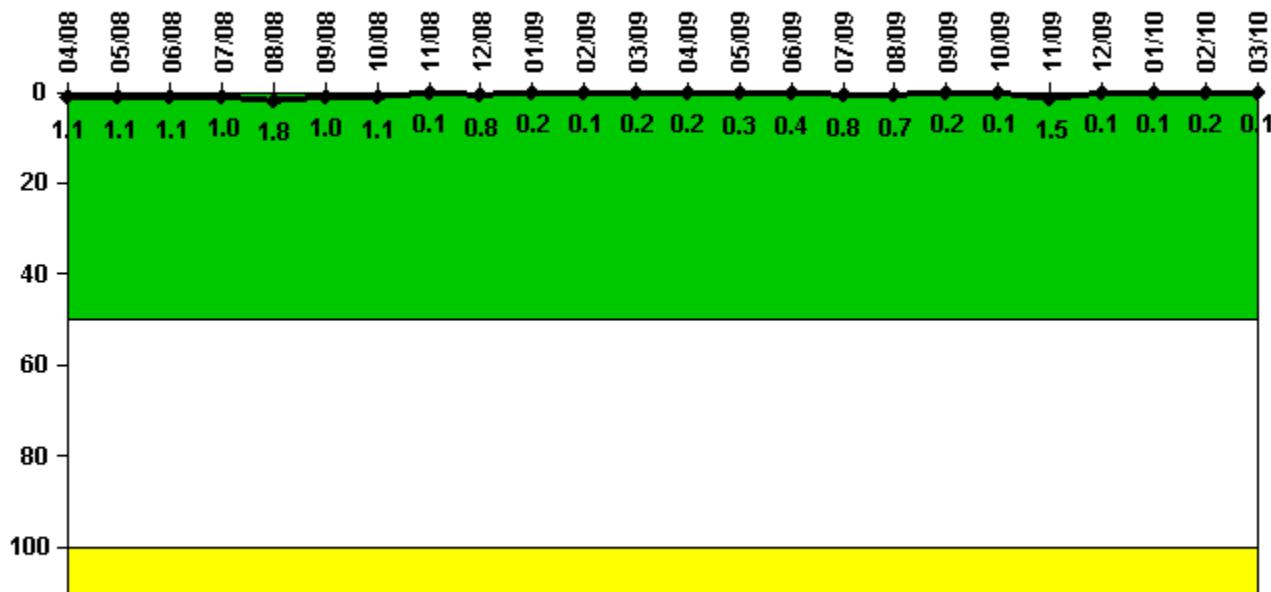
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000054	0.000058	0.000059	0.000055	0.000055	0.000055	0.000056	0.000030	0.000039	0.000007	0.000038	0.000042
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



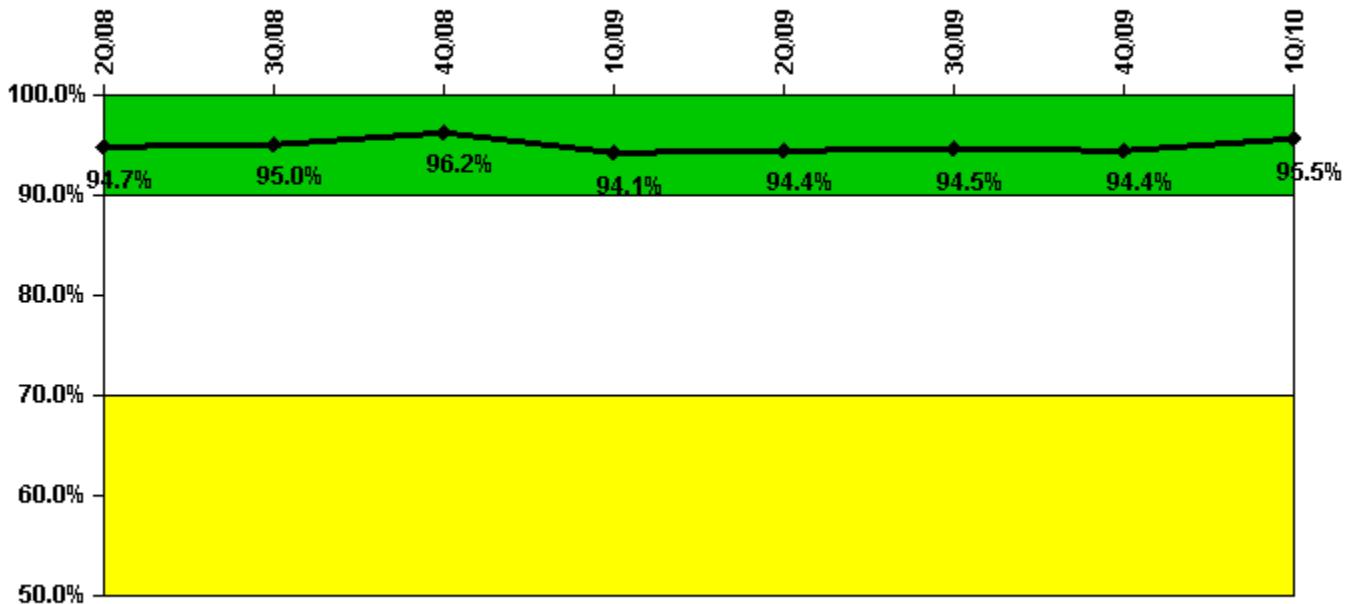
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.110	0.110	0.110	0.100	0.180	0.100	0.110	0.010	0.080	0.017	0.010	0.020
Indicator value	1.1	1.1	1.1	1.0	1.8	1.0	1.1	0.1	0.8	0.2	0.1	0.2
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	0.019	0.025	0.035	0.079	0.070	0.015	0.014	0.150	0.012	0.014	0.015	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.4	0.8	0.7	0.2	0.1	1.5	0.1	0.1	0.2	0.1

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

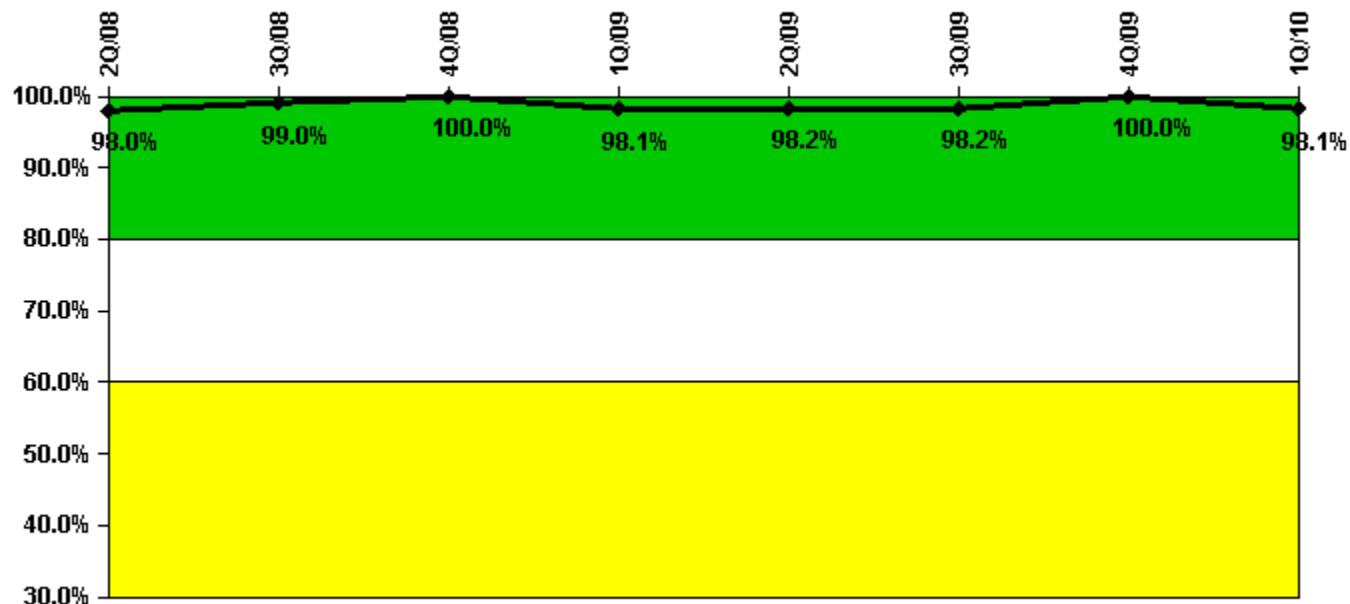
### Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	19.0	27.0	13.0	25.0	18.0	15.0	30.0	21.0
Total opportunities	20.0	28.0	13.0	29.0	18.0	15.0	31.0	22.0
<b>Indicator value</b>	<b>94.7%</b>	<b>95.0%</b>	<b>96.2%</b>	<b>94.1%</b>	<b>94.4%</b>	<b>94.5%</b>	<b>94.4%</b>	<b>95.5%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

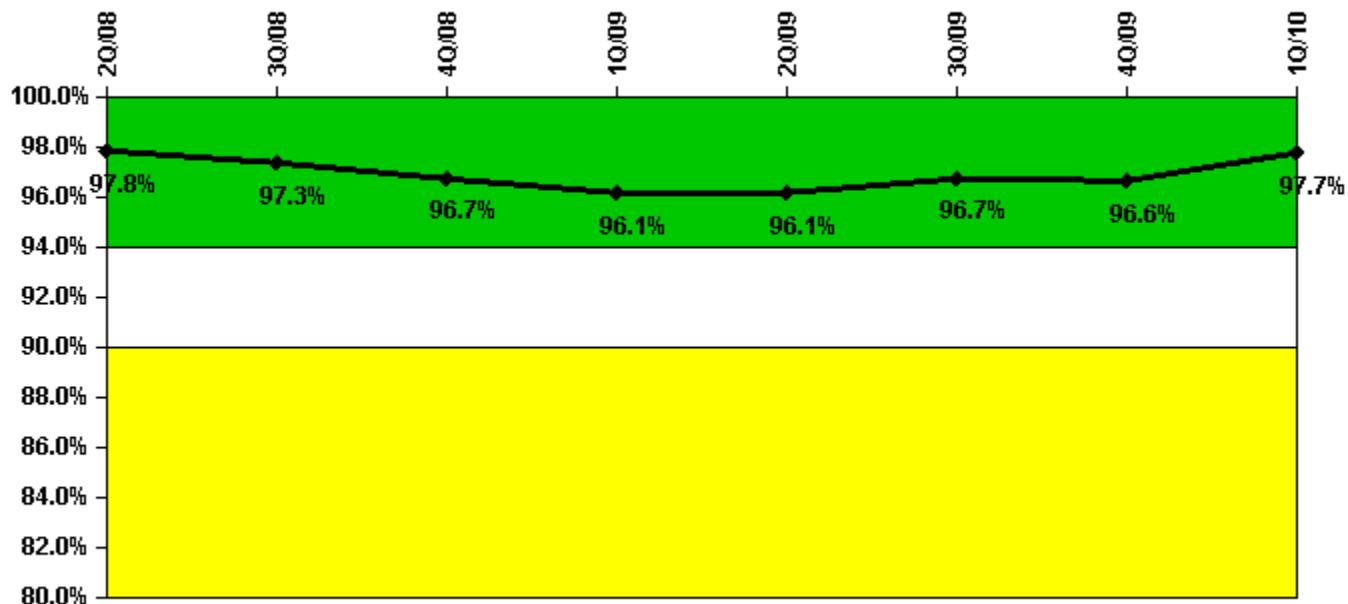
### Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	99.0	98.0	107.0	105.0	110.0	111.0	110.0	102.0
Total Key personnel	101.0	99.0	107.0	107.0	112.0	113.0	110.0	104.0
Indicator value	<b>98.0%</b>	<b>99.0%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</b>

Licensee Comments: none

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## Alert & Notification System



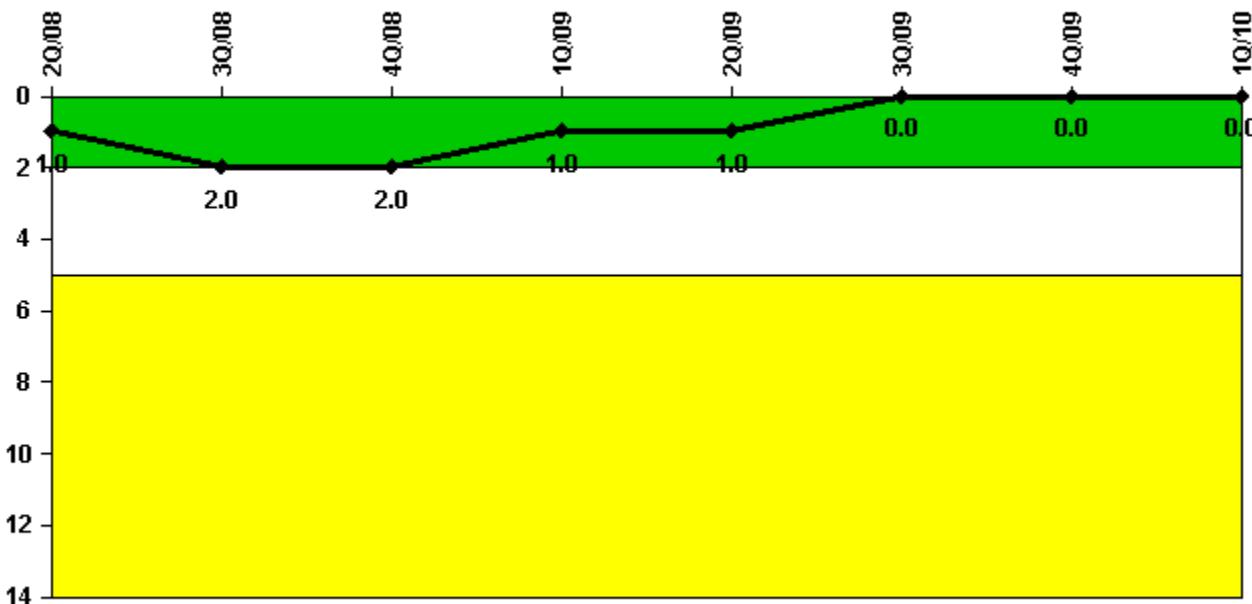
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	43	44	46	40	43	45	40	42
Total sirens-tests	45	45	48	42	45	45	42	42
Indicator value	97.8%	97.3%	96.7%	96.1%	96.1%	96.7%	96.6%	97.7%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



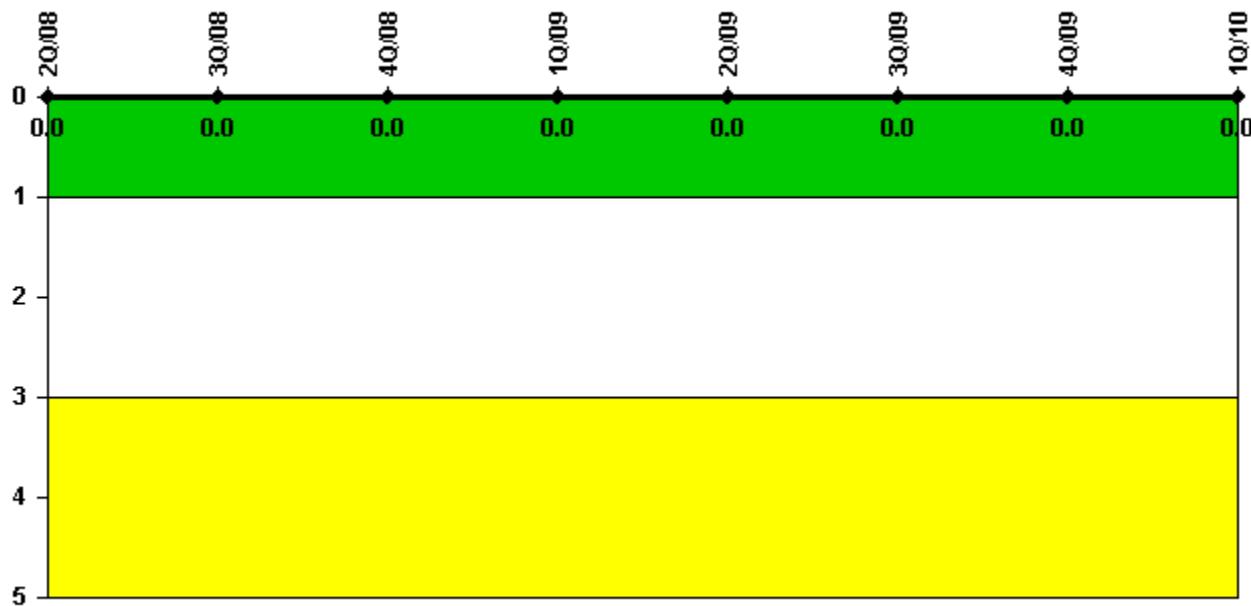
Thresholds: White > 2.0 Yellow > 5.0

### 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	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>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</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	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

# Farley 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



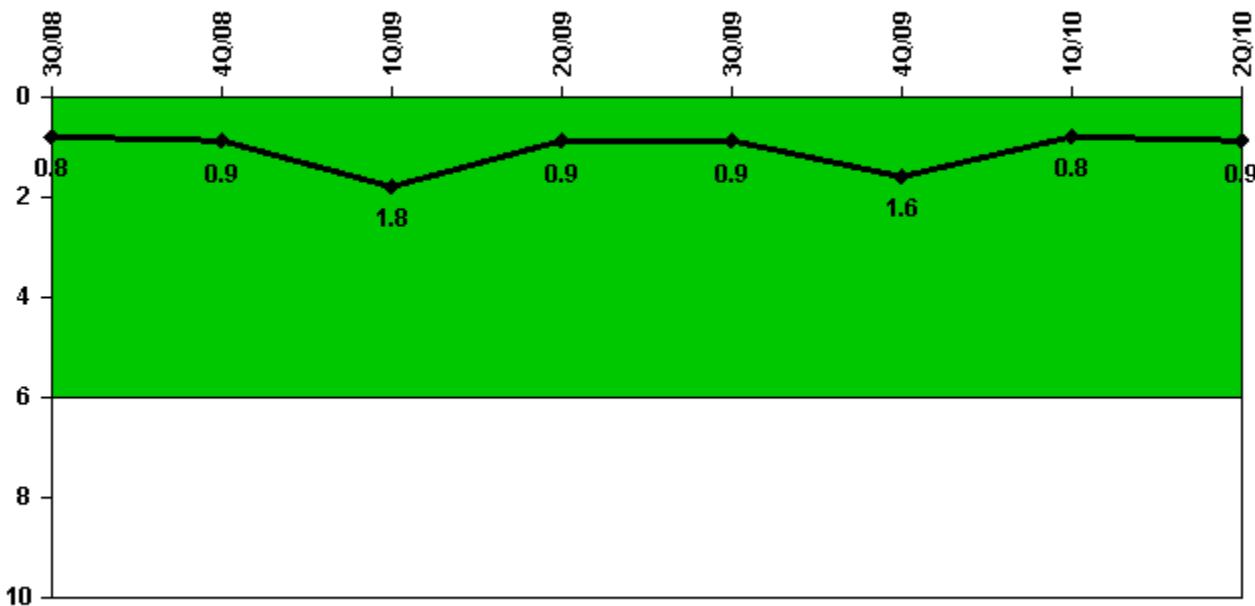
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3
Indicator value	0.8	0	0	0	0	0	0	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

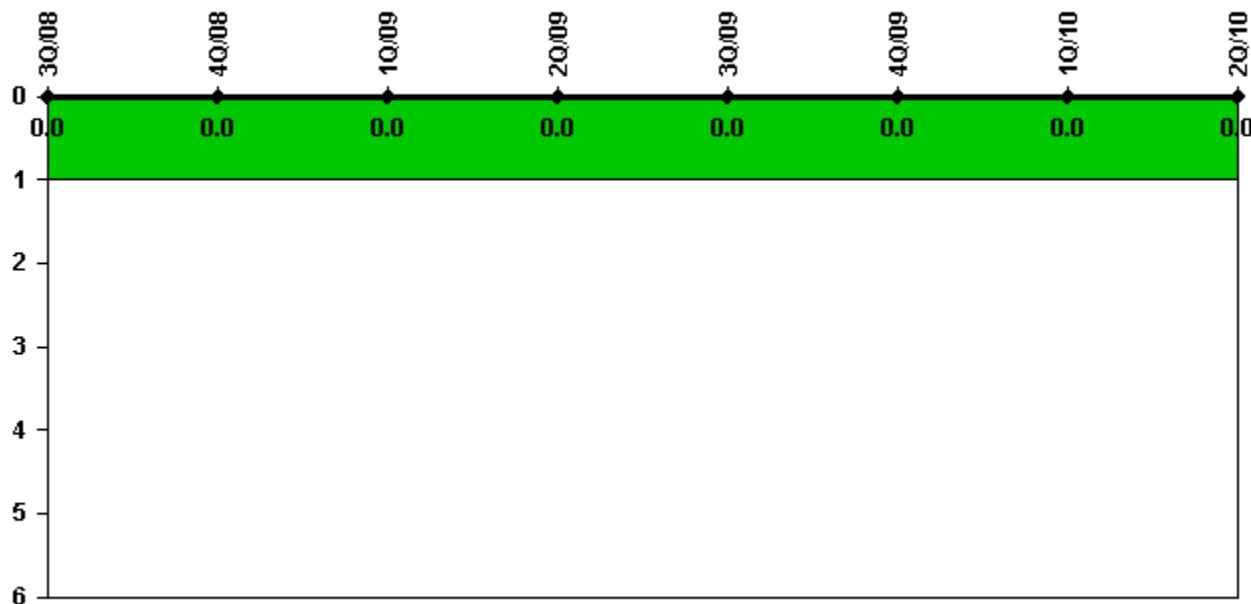
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2208.0	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3
Indicator value	<b>0.8</b>	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

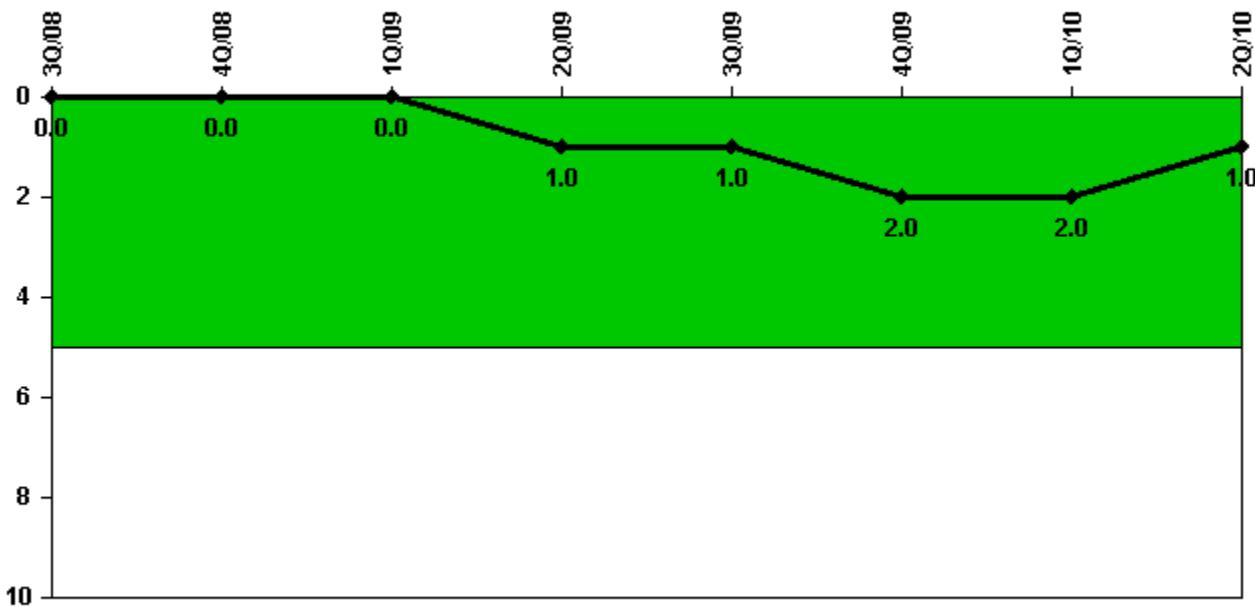
### Notes

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

---

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

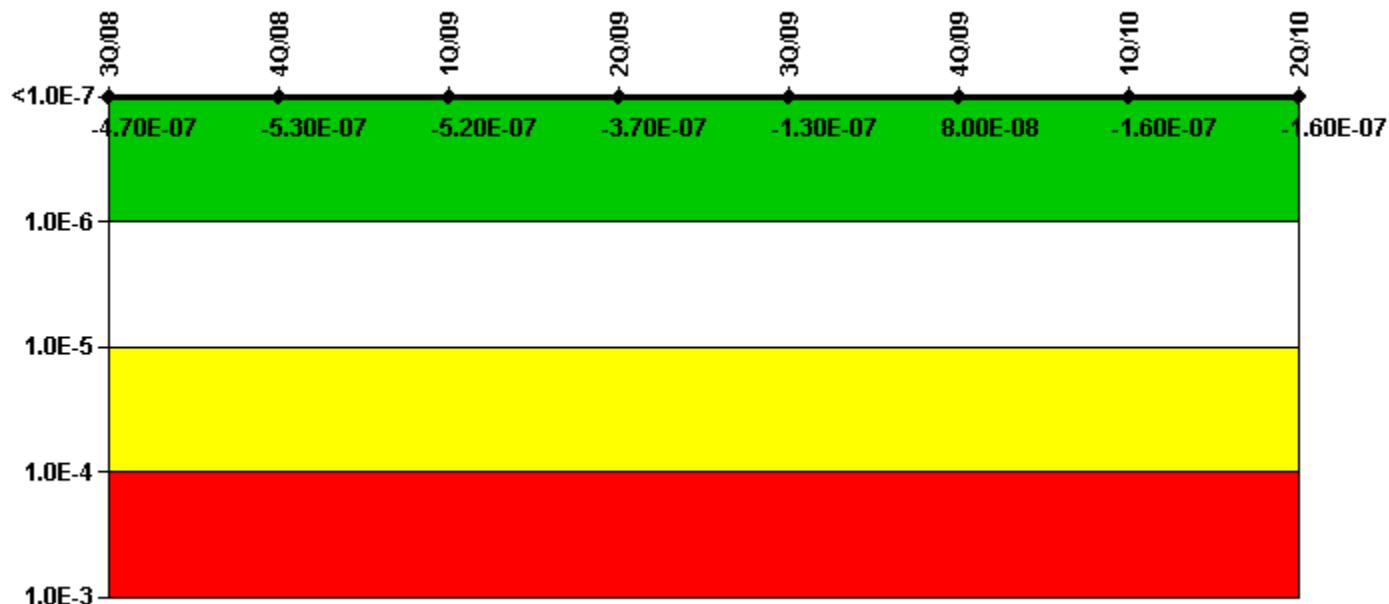
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



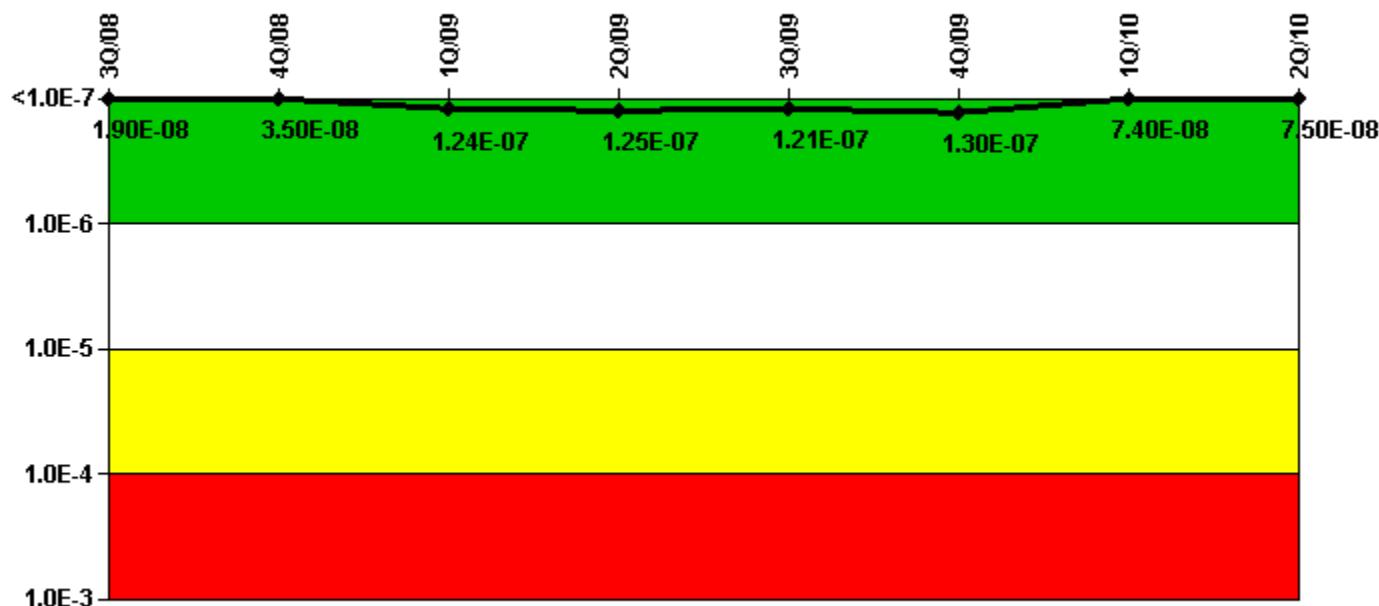
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	2.60E-07	2.00E-07	2.10E-07	3.60E-07	6.00E-07	8.10E-07	5.71E-07	5.73E-07
URI ( $\Delta$ CDF)	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.31E-07	-7.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-4.70E-07</b>	<b>-5.30E-07</b>	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



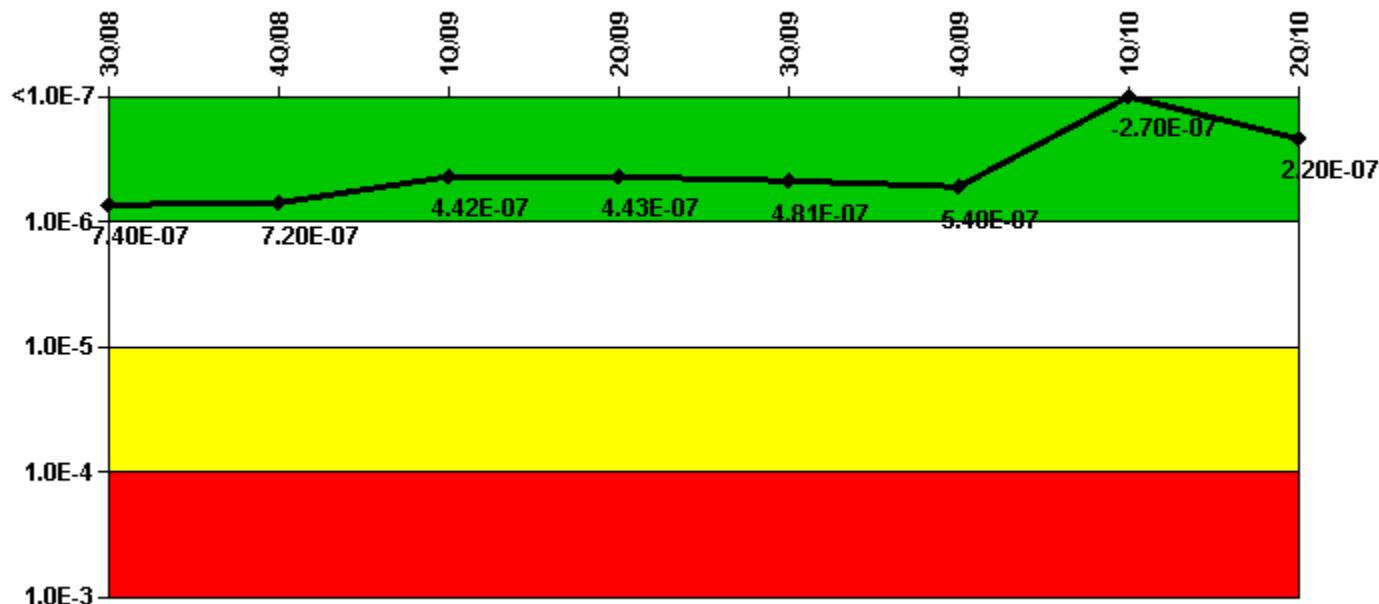
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-1.10E-08	6.70E-08	9.40E-08	9.50E-08	9.10E-08	1.00E-07	4.40E-08	4.45E-08
URI ( $\Delta$ CDF)	3.00E-08	-3.20E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
PLE	NO							
Indicator value	<b>1.90E-08</b>	<b>3.50E-08</b>	<b>1.24E-07</b>	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-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

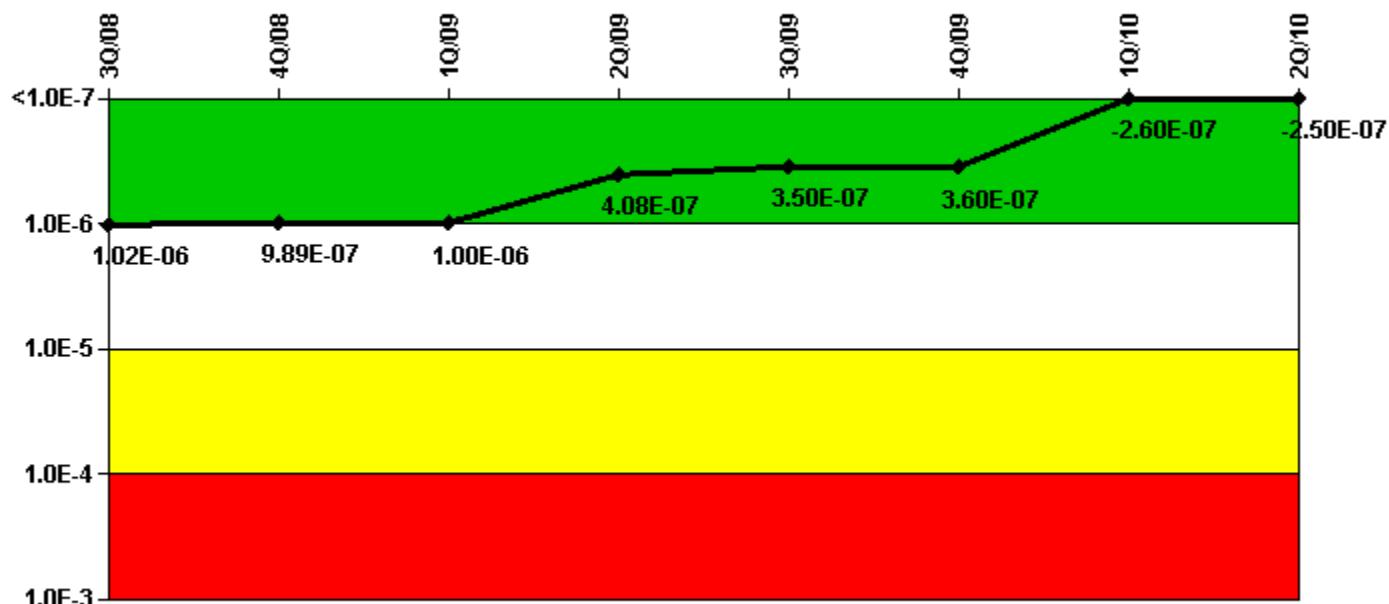
### Notes

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)	3.10E-07	2.90E-07	1.20E-08	1.30E-08	5.10E-08	1.10E-07	8.12E-08	7.72E-08
URI ( $\Delta$ CDF)	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	-3.53E-07	1.47E-07
PLE	NO	NO						
<b>Indicator value</b>	<b>7.40E-07</b>	<b>7.20E-07</b>	<b>4.42E-07</b>	<b>4.43E-07</b>	<b>4.81E-07</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>

Licensee Comments:

2Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



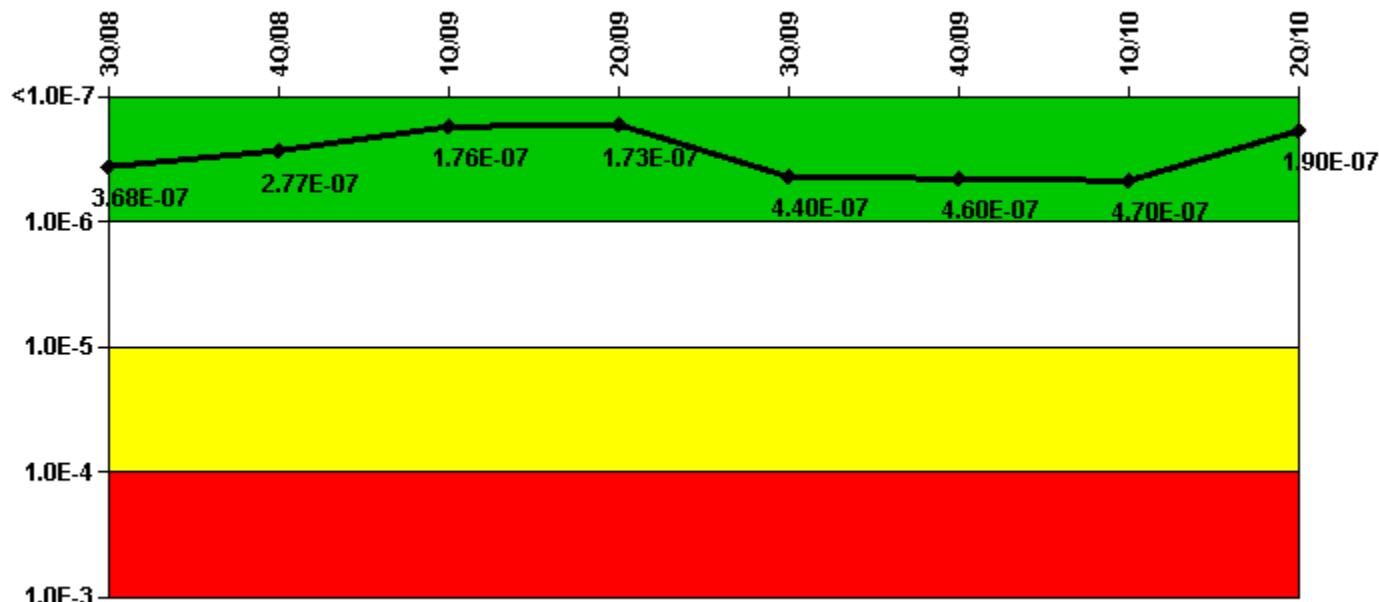
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	9.70E-08	6.90E-08	7.00E-08	3.80E-08	3.78E-08	4.88E-08	-6.95E-08	-6.95E-08
URI ( $\Delta$ CDF)	9.20E-07	9.20E-07	9.30E-07	3.70E-07	3.14E-07	3.14E-07	-1.86E-07	-1.85E-07
PLE	NO	NO						
Indicator value	1.02E-06	9.89E-07	1.00E-06	4.08E-07	3.50E-07	3.60E-07	-2.60E-07	-2.50E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



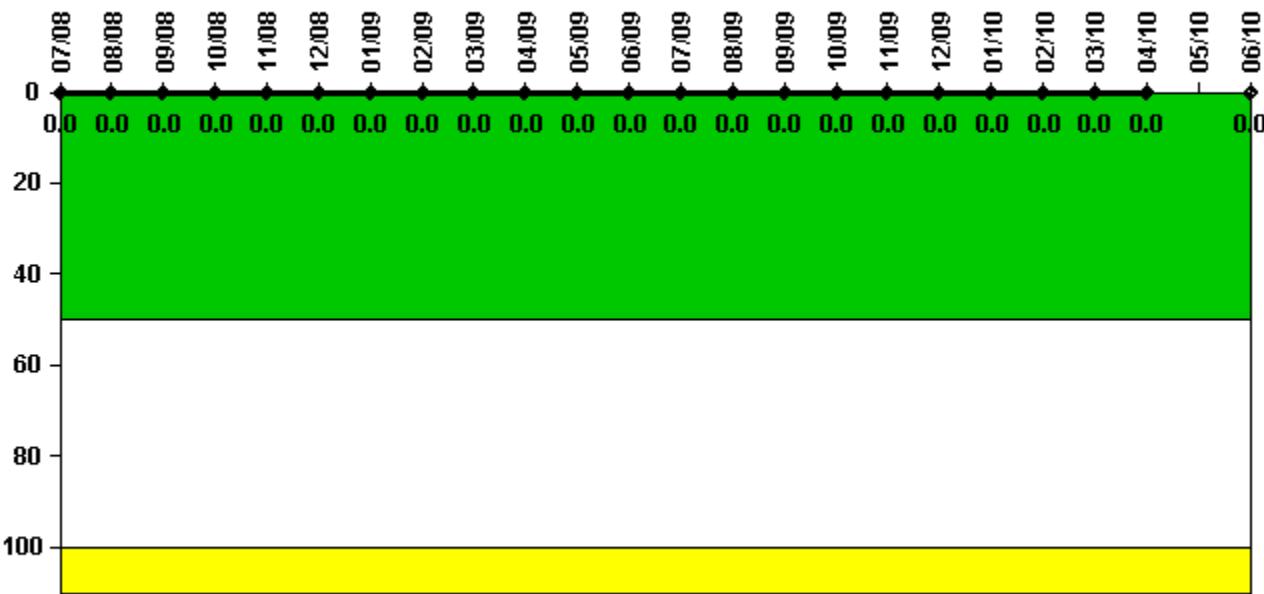
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	1.80E-08	1.70E-08	1.60E-08	1.30E-08	8.00E-08	1.00E-07	1.10E-07	1.10E-07
URI ( $\Delta$ CDF)	3.50E-07	2.60E-07	1.60E-07	1.60E-07	3.60E-07	3.60E-07	3.55E-07	8.27E-08
PLE	NO							
Indicator value	<b>3.68E-07</b>	<b>2.77E-07</b>	<b>1.76E-07</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



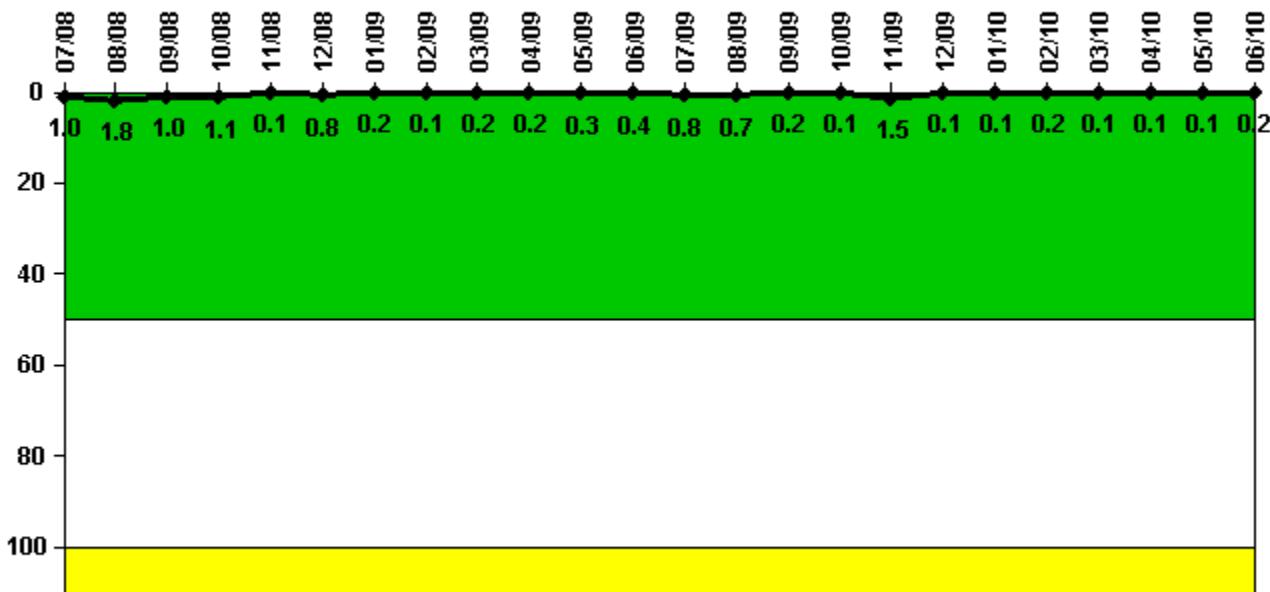
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000055	0.000055	0.000055	0.000056	0.000030	0.000039	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059	0.000050	N/A	0.000041
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	N/A	0

Licensee Comments: none

## Reactor Coolant System Leakage



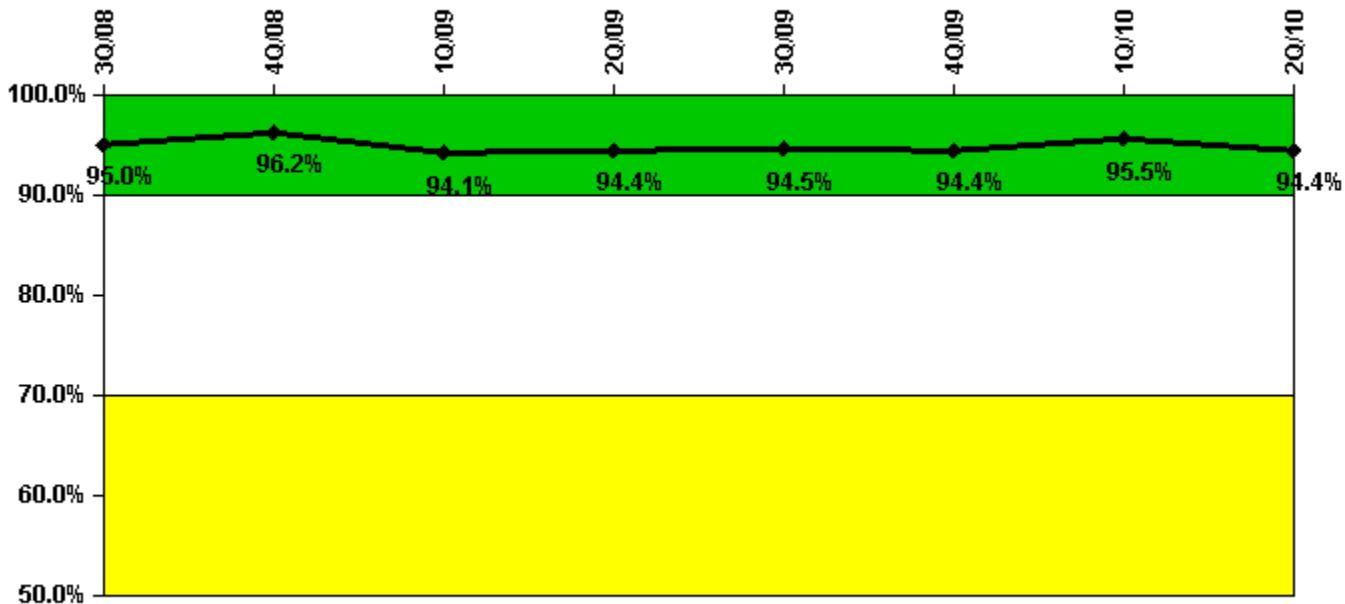
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.100	0.180	0.100	0.110	0.010	0.080	0.017	0.010	0.020	0.019	0.025	0.035
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>1.0</b>	<b>1.8</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</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	0.079	0.070	0.015	0.014	0.150	0.012	0.014	0.015	0.011	0.005	0.012	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

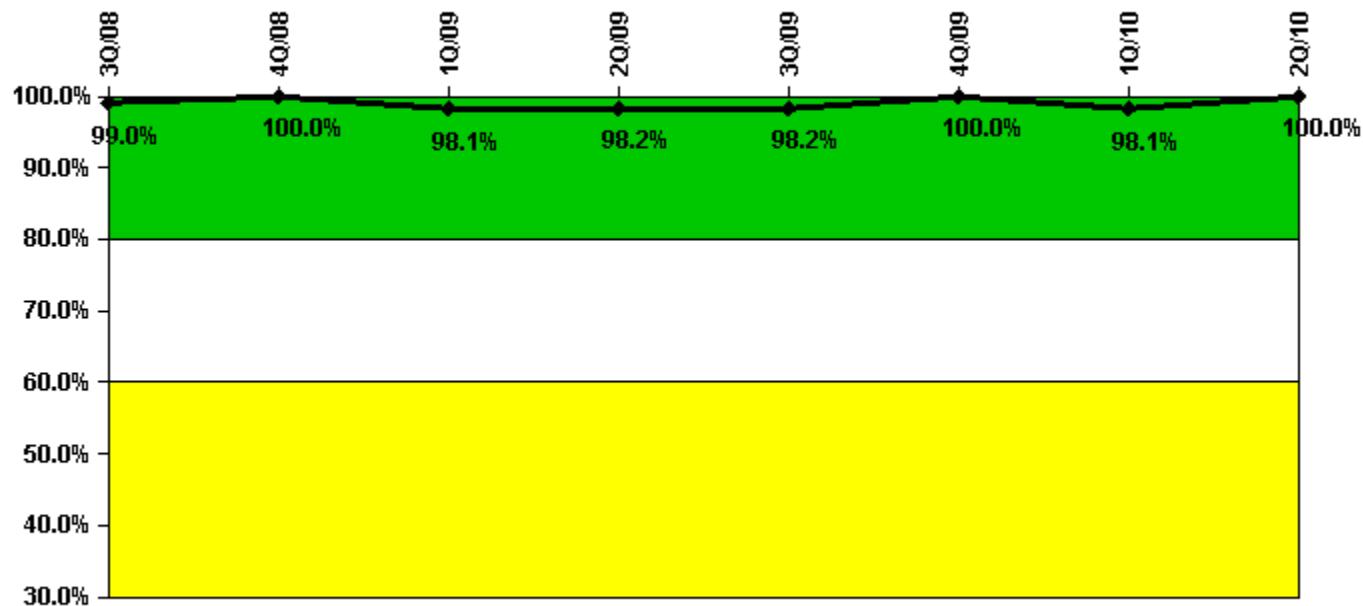
### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	27.0	13.0	25.0	18.0	15.0	30.0	21.0	20.0
Total opportunities	28.0	13.0	29.0	18.0	15.0	31.0	22.0	23.0
Indicator value	95.0%	96.2%	94.1%	94.4%	94.5%	94.4%	95.5%	94.4%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

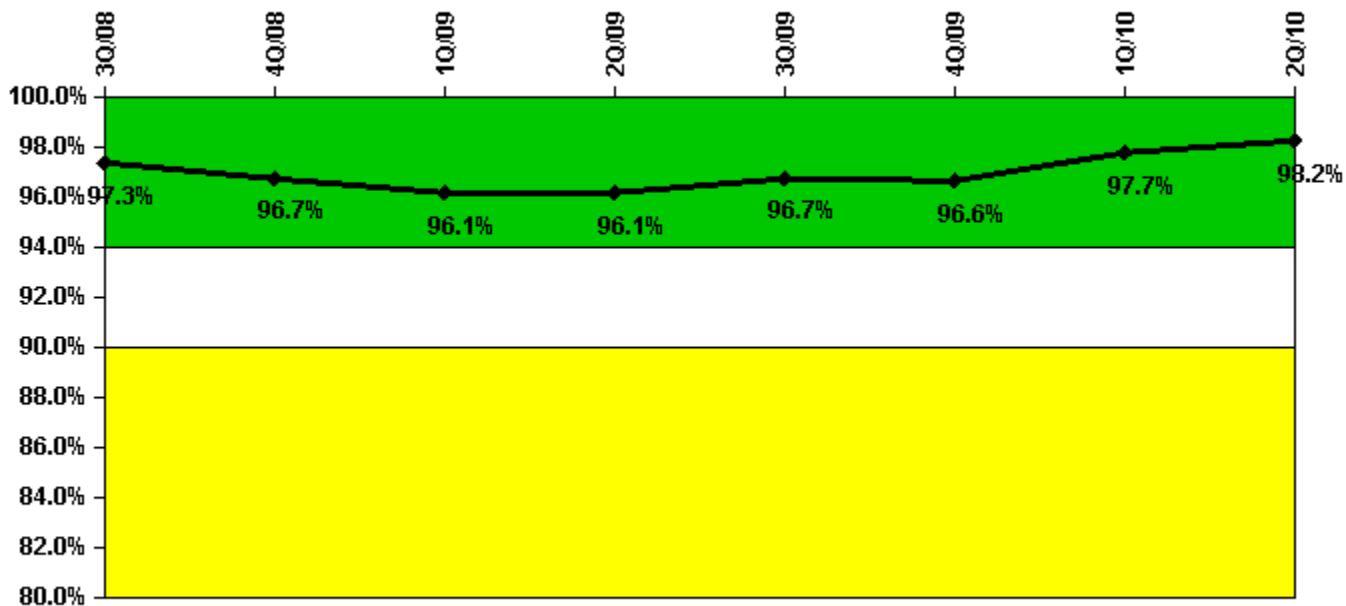
### Notes

<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	98.0	107.0	105.0	110.0	111.0	110.0	102.0	105.0
Total Key personnel	99.0	107.0	107.0	112.0	113.0	110.0	104.0	105.0
<b>Indicator value</b>	<b>99.0%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

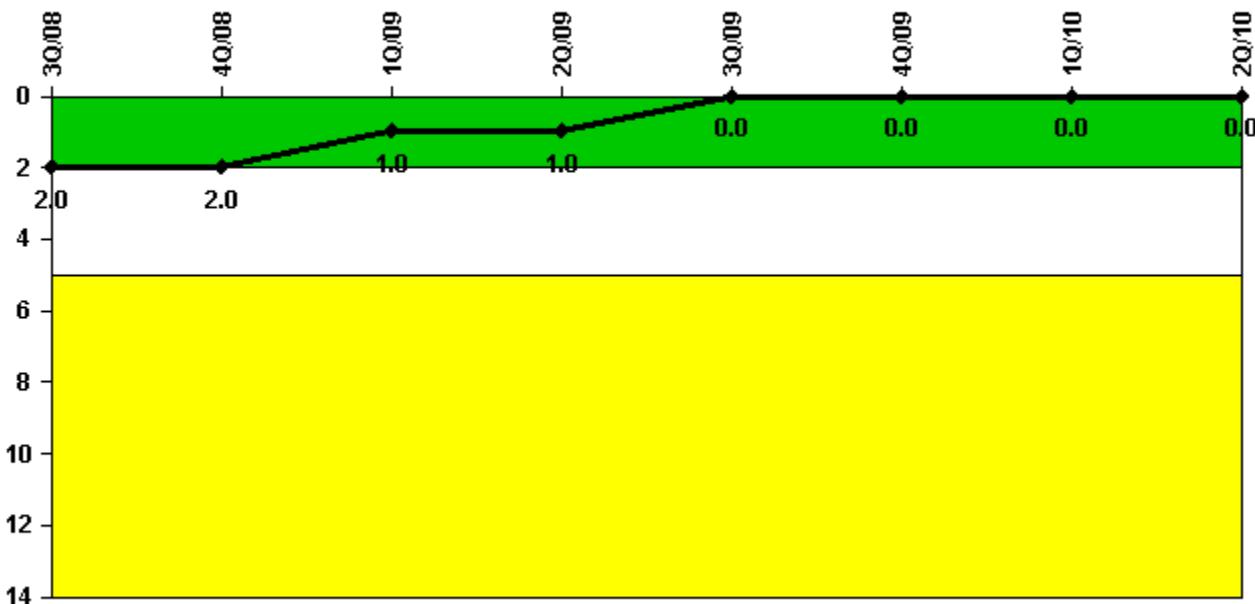
### Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	44	46	40	43	45	40	42	38
Total sirens-tests	45	48	42	45	45	42	42	39
<b>Indicator value</b>	<b>97.3%</b>	<b>96.7%</b>	<b>96.1%</b>	<b>96.1%</b>	<b>96.7%</b>	<b>96.6%</b>	<b>97.7%</b>	<b>98.2%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



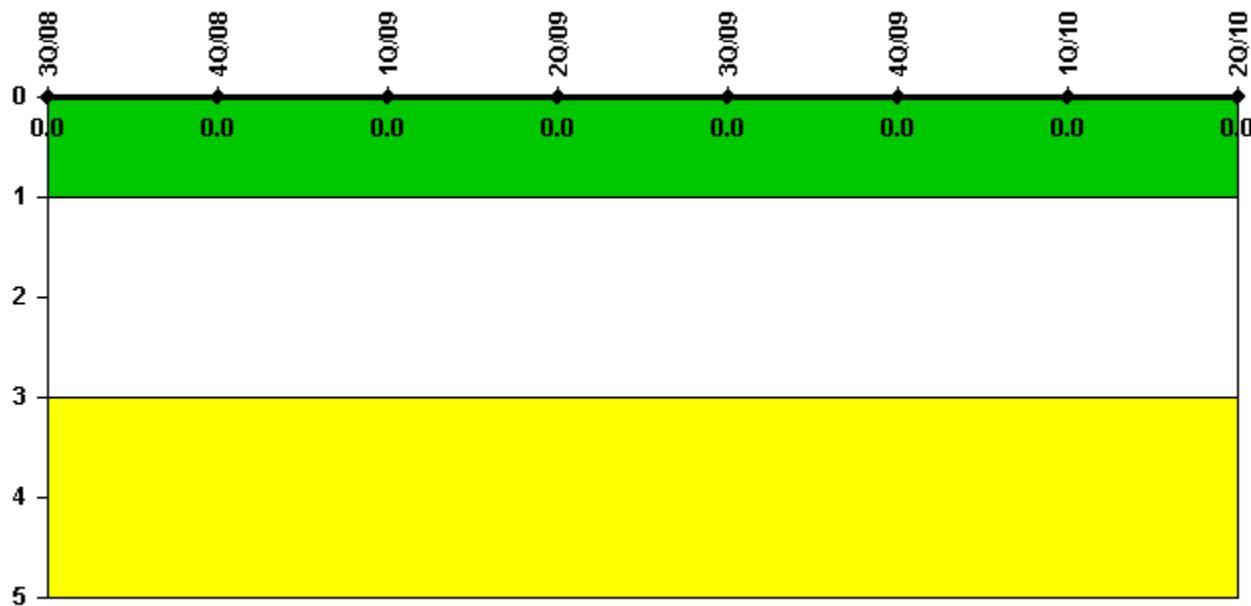
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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>2</b>	<b>2</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/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.

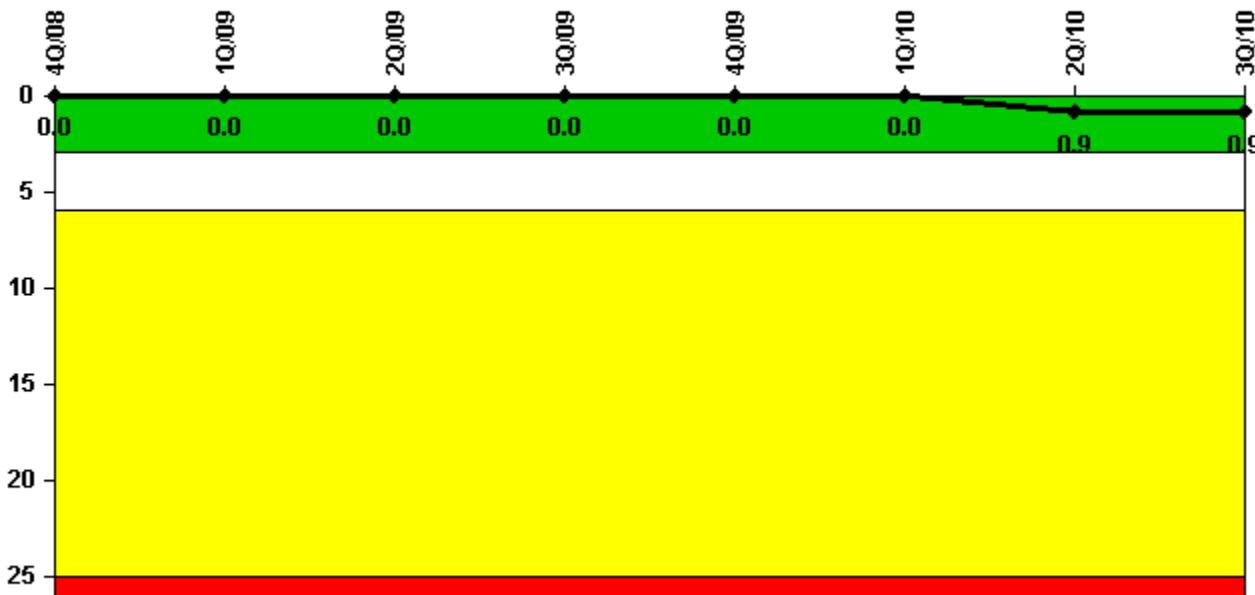
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# Farley 2

## 3Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



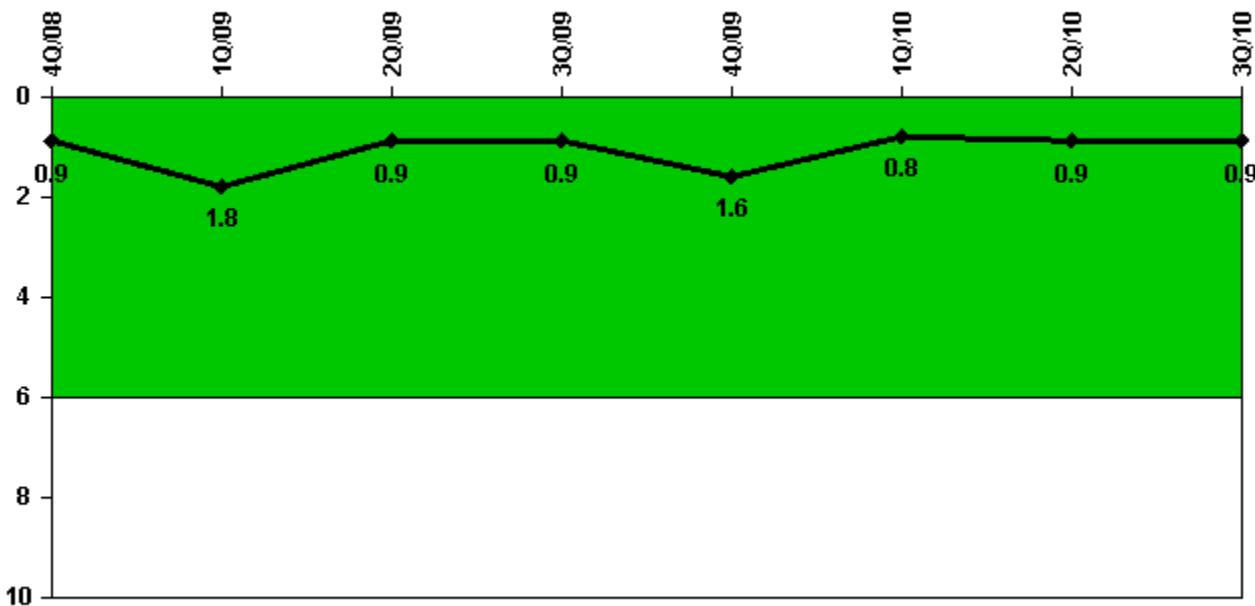
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	0	0	1.0	0
Critical hours	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



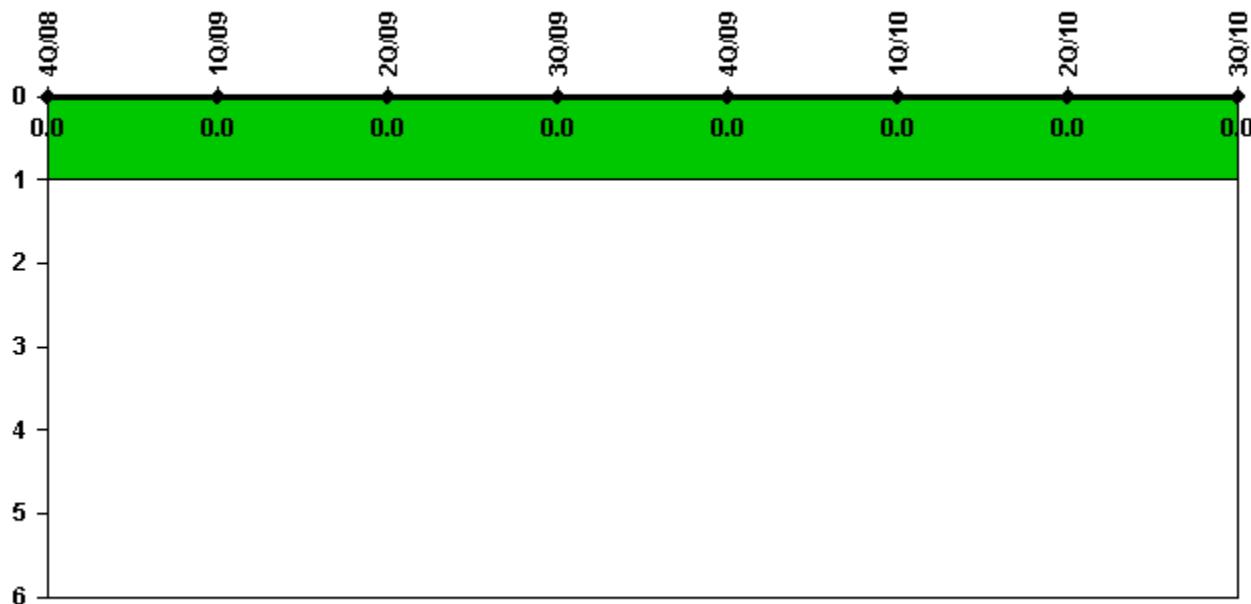
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	1416.4	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0
Indicator value	<b>0.9</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

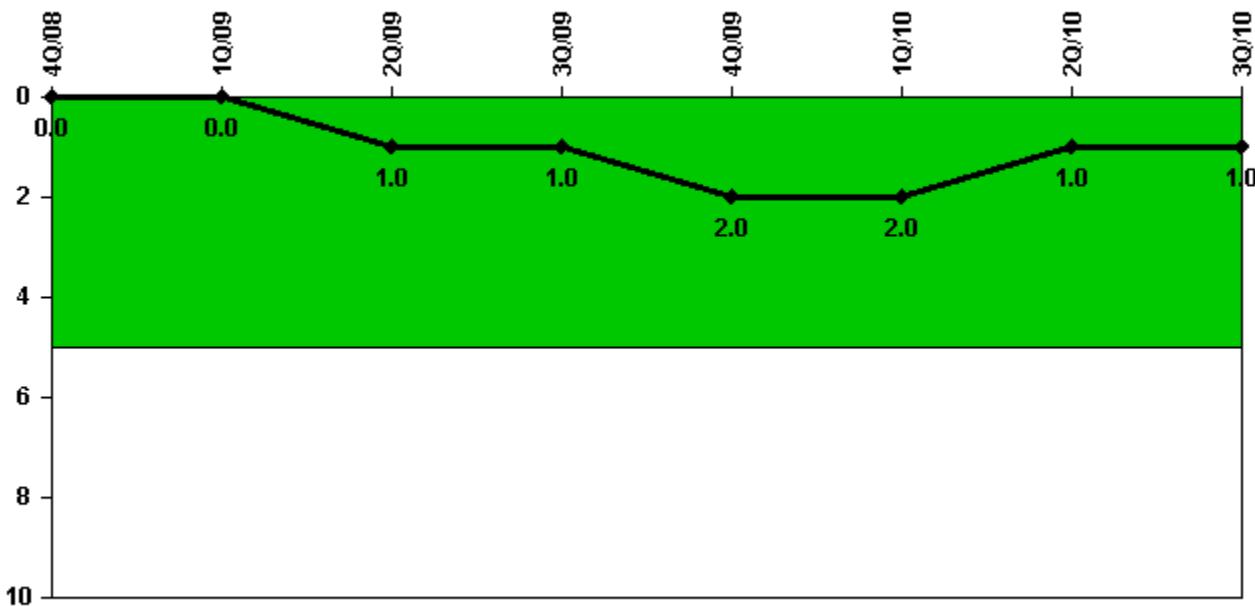
### Notes

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 (PWR)



Thresholds: White > 5.0

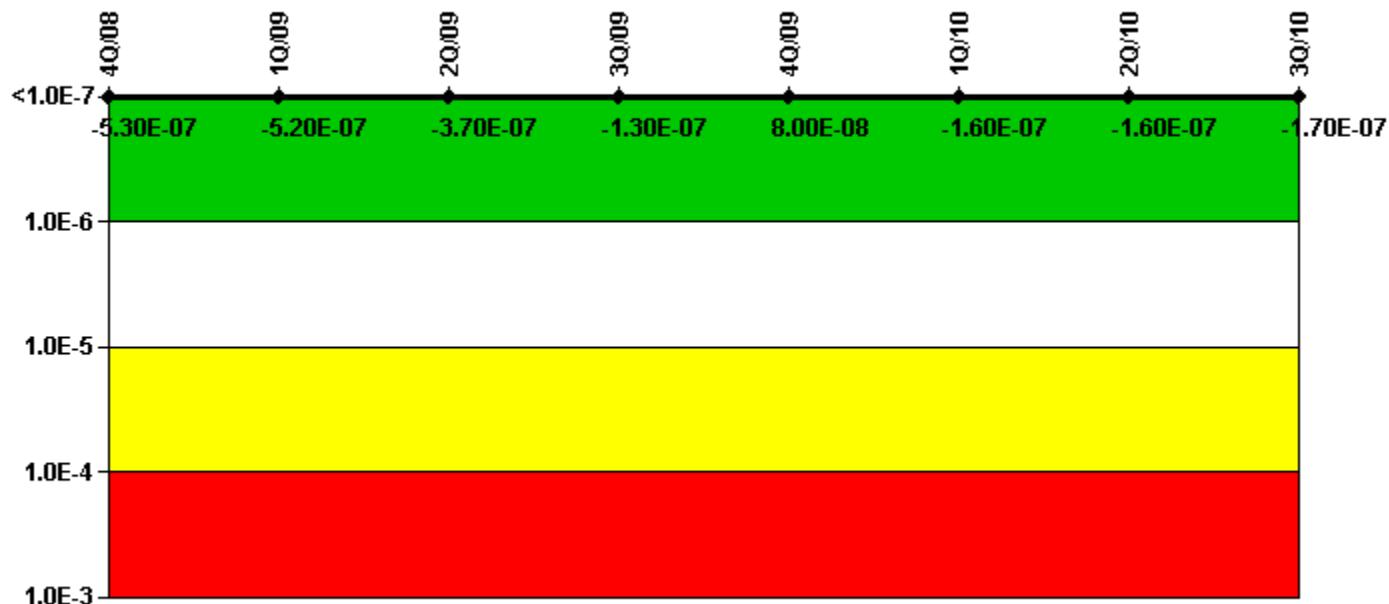
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



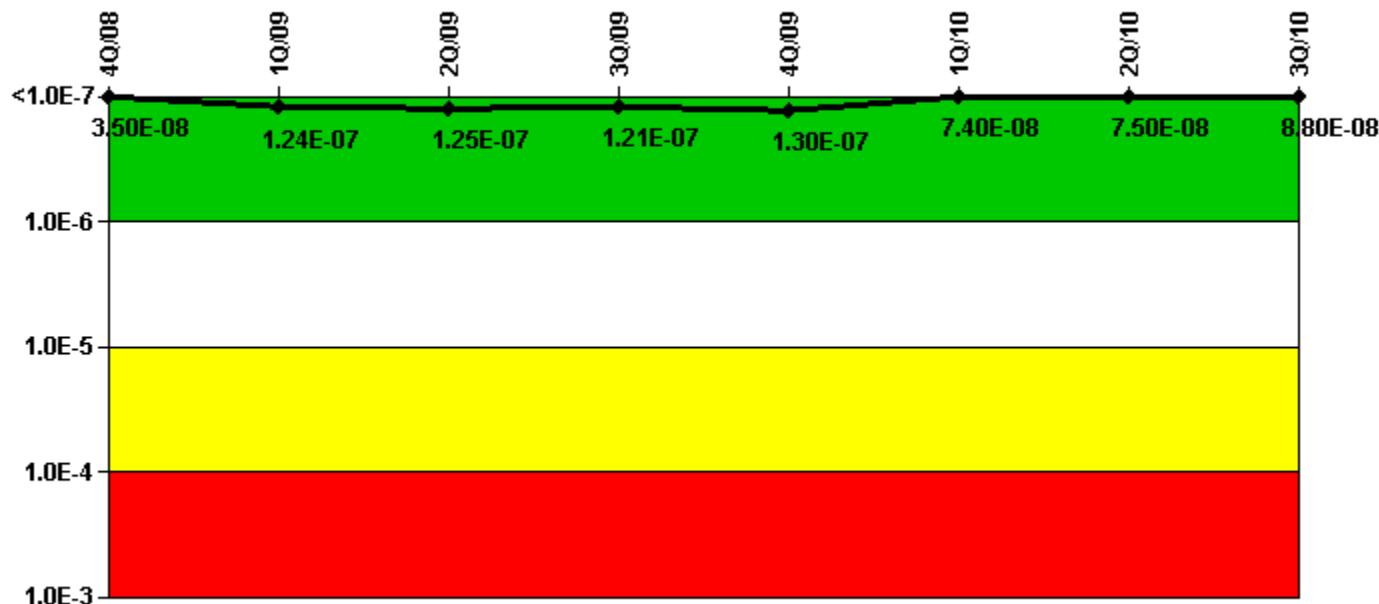
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	2.00E-07	2.10E-07	3.60E-07	6.00E-07	8.10E-07	5.71E-07	5.73E-07	5.59E-07
URI ( $\Delta$ CDF)	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.31E-07	-7.31E-07	-7.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-5.30E-07</b>	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-1.70E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



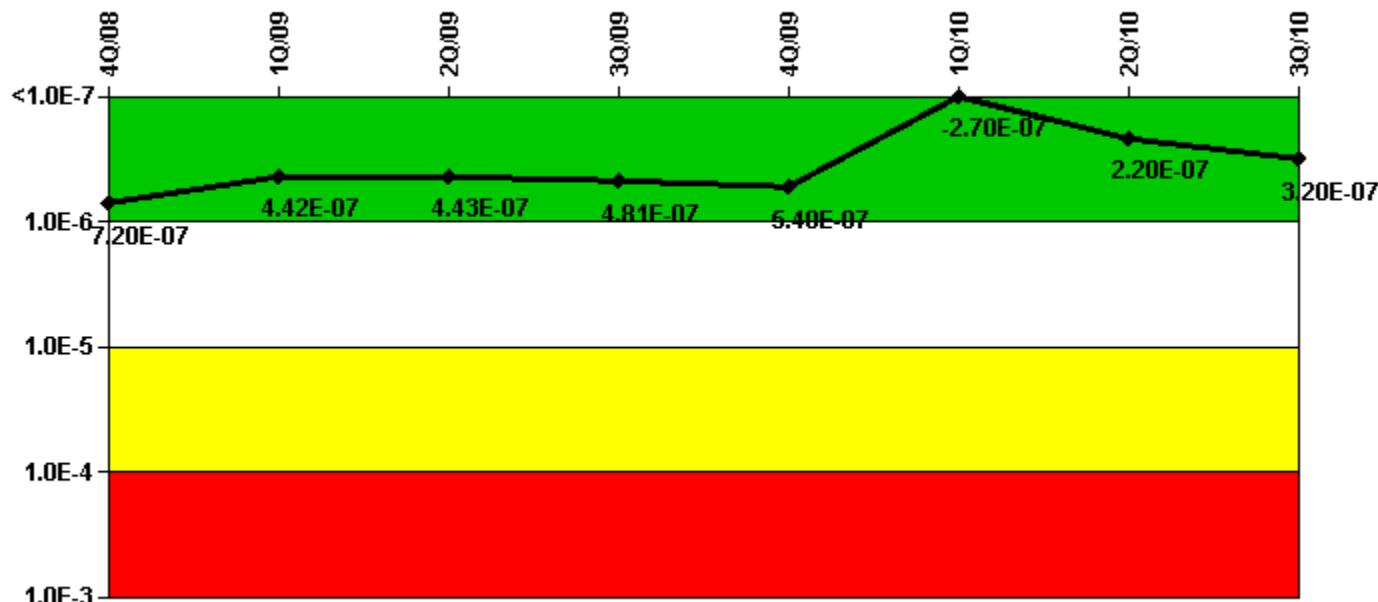
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	6.70E-08	9.40E-08	9.50E-08	9.10E-08	1.00E-07	4.40E-08	4.45E-08	5.85E-08
URI ( $\Delta$ CDF)	-3.20E-08	3.00E-08						
PLE	NO							
<b>Indicator value</b>	<b>3.50E-08</b>	<b>1.24E-07</b>	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-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

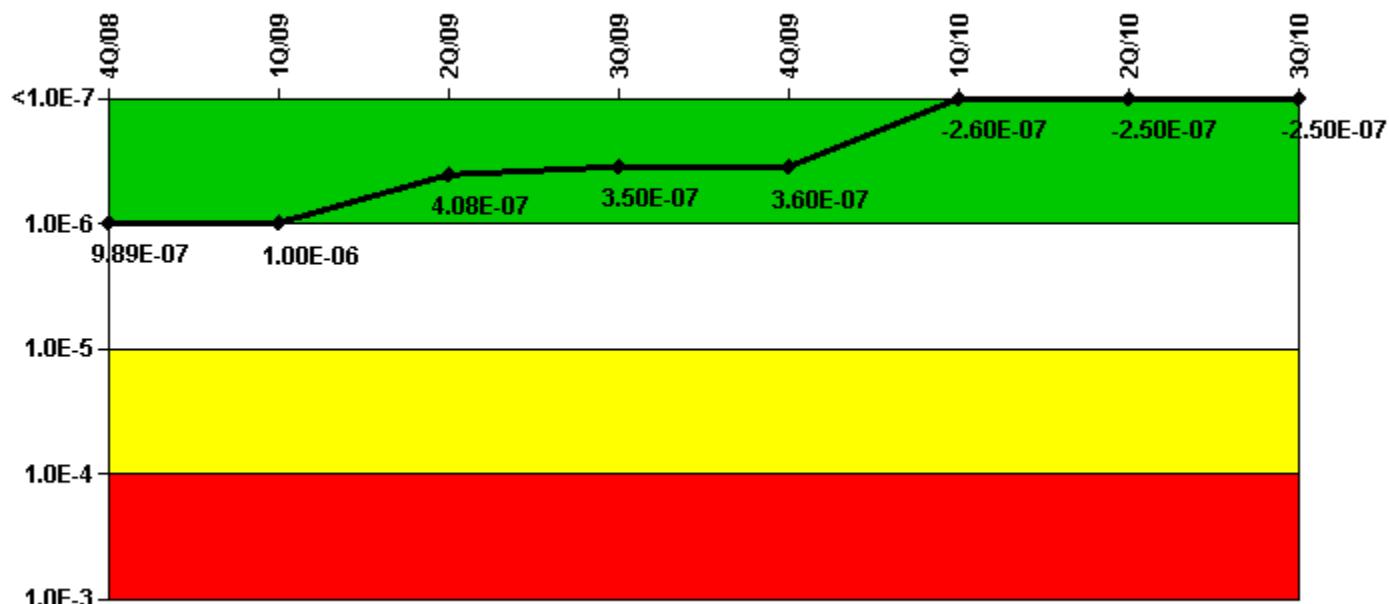
### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	2.90E-07	1.20E-08	1.30E-08	5.10E-08	1.10E-07	8.12E-08	7.72E-08	1.77E-07
URI ( $\Delta$ CDF)	4.30E-07	4.30E-07	4.30E-07	4.30E-07	4.30E-07	-3.53E-07	1.47E-07	1.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.20E-07</b>	<b>4.42E-07</b>	<b>4.43E-07</b>	<b>4.81E-07</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>

Licensee Comments:

3Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



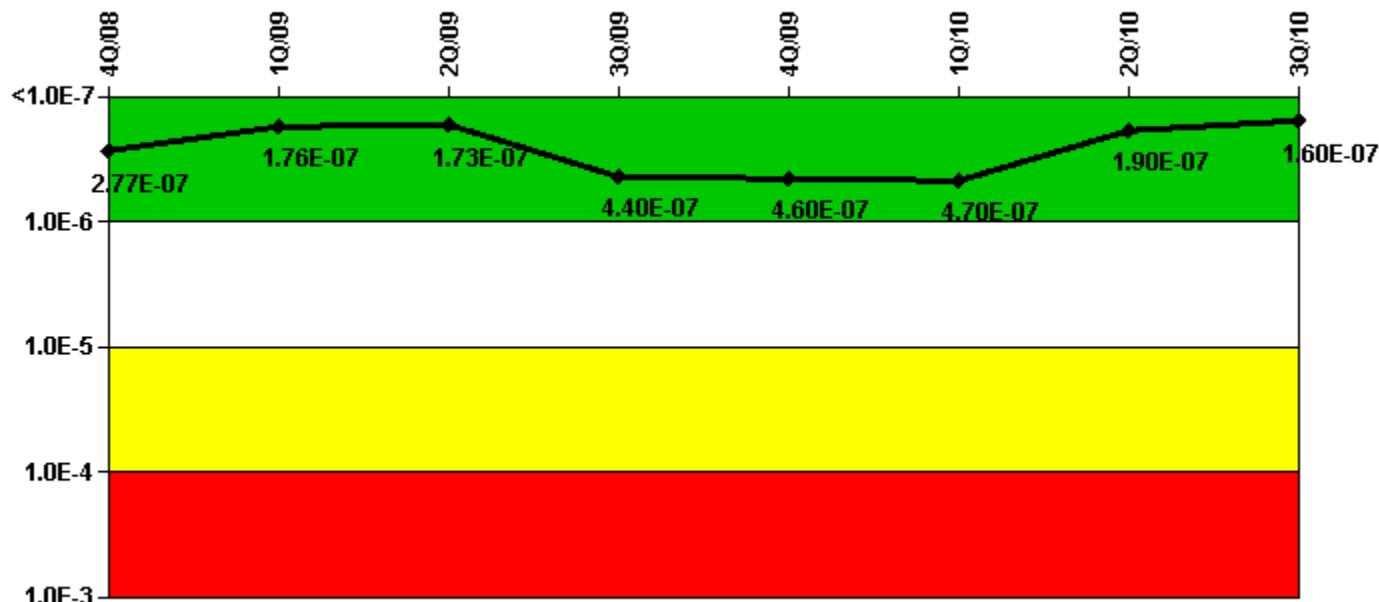
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	6.90E-08	7.00E-08	3.80E-08	3.78E-08	4.88E-08	-6.95E-08	-6.95E-08	-6.95E-08
URI ( $\Delta$ CDF)	9.20E-07	9.30E-07	3.70E-07	3.14E-07	3.14E-07	-1.86E-07	-1.85E-07	-1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>9.89E-07</b>	<b>1.00E-06</b>	<b>4.08E-07</b>	<b>3.50E-07</b>	<b>3.60E-07</b>	<b>-2.60E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



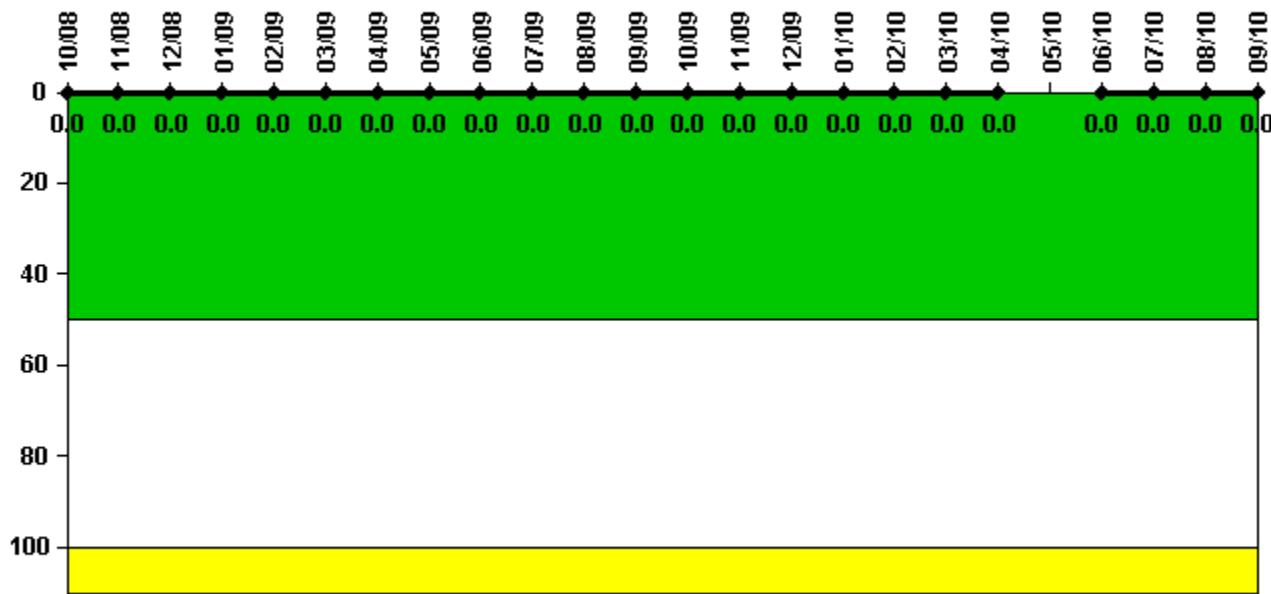
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI ( $\Delta$ CDF)	1.70E-08	1.60E-08	1.30E-08	8.00E-08	1.00E-07	1.10E-07	1.10E-07	8.81E-08
URI ( $\Delta$ CDF)	2.60E-07	1.60E-07	1.60E-07	3.60E-07	3.60E-07	3.55E-07	8.27E-08	7.35E-08
PLE	NO							
<b>Indicator value</b>	<b>2.77E-07</b>	<b>1.76E-07</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>	<b>1.60E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



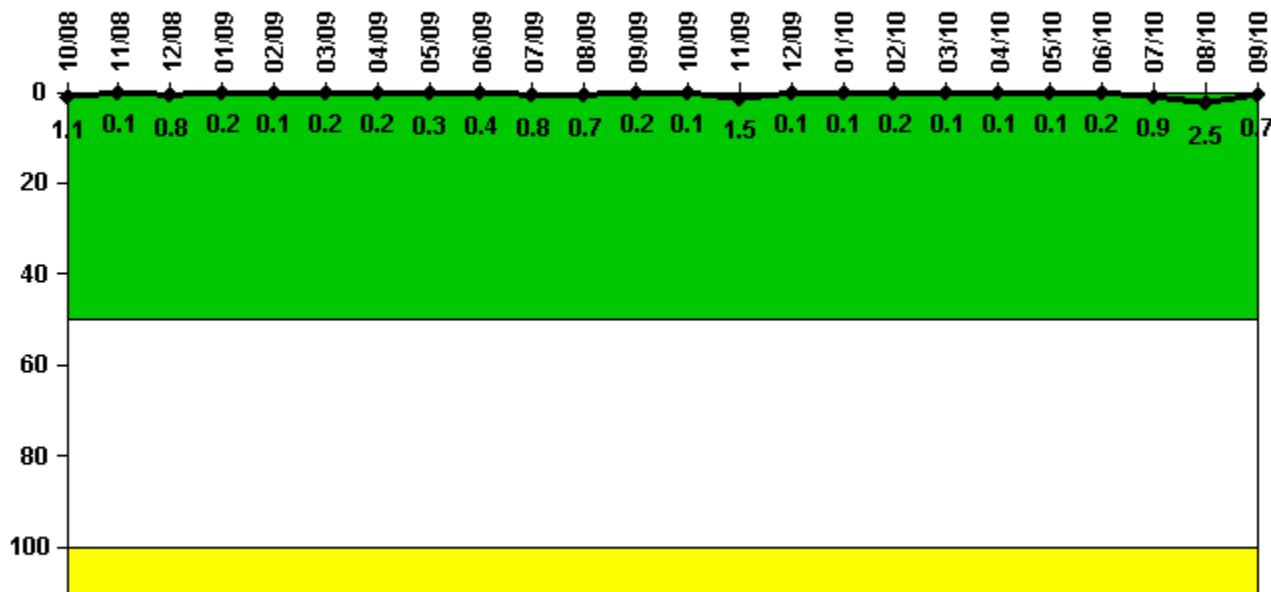
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000056	0.000030	0.000039	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059	0.000050	N/A	0.000041	0.000037	0.000038	0.000042
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



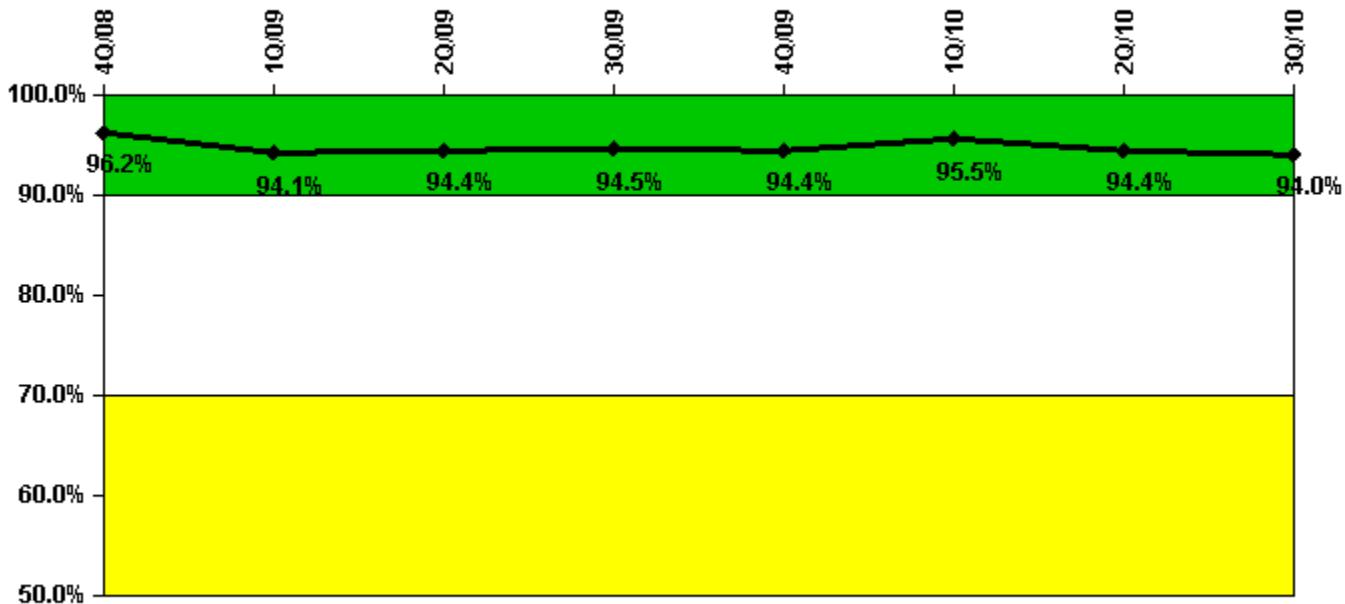
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.110	0.010	0.080	0.017	0.010	0.020	0.019	0.025	0.035	0.079	0.070	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.1</b>	<b>0.1</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</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	0.014	0.150	0.012	0.014	0.015	0.011	0.005	0.012	0.018	0.088	0.253	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

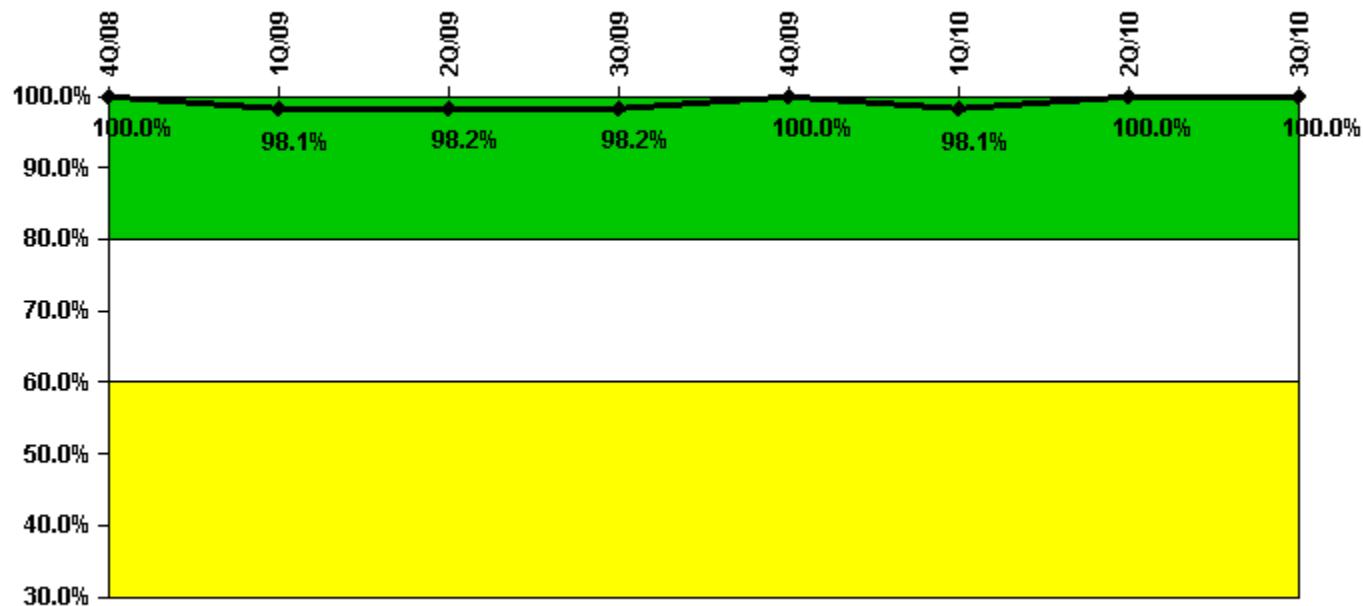
### Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	13.0	25.0	18.0	15.0	30.0	21.0	20.0	14.0
Total opportunities	13.0	29.0	18.0	15.0	31.0	22.0	23.0	15.0
Indicator value	96.2%	94.1%	94.4%	94.5%	94.4%	95.5%	94.4%	94.0%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

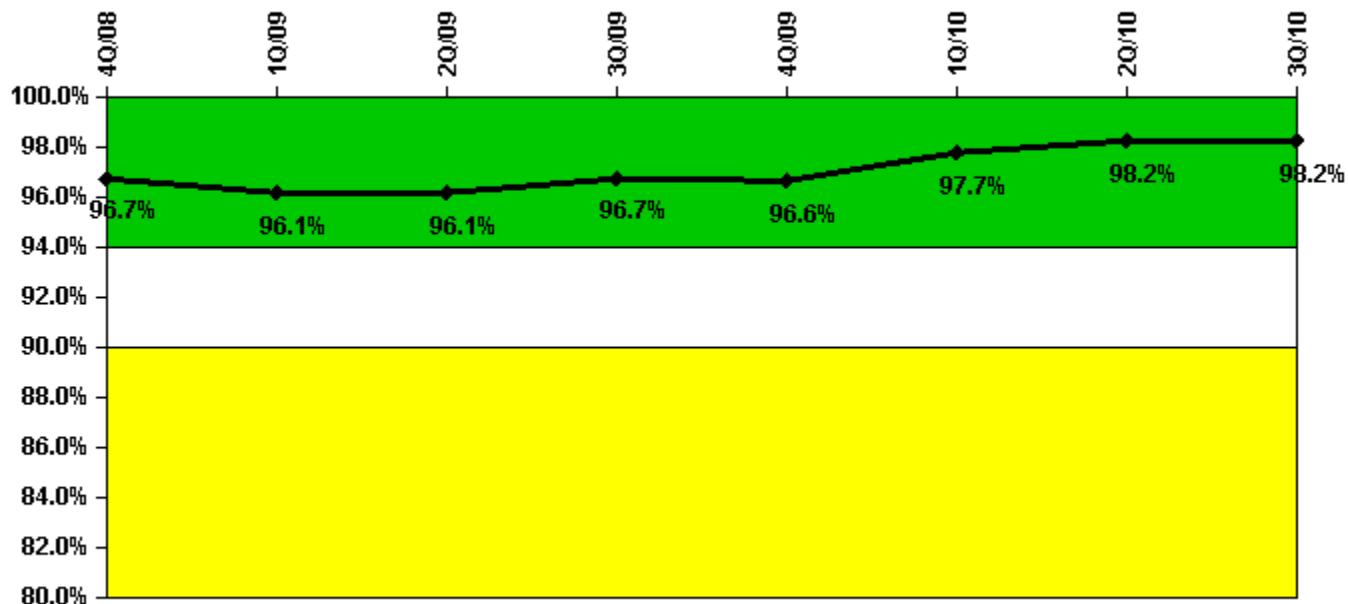
### Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	107.0	105.0	110.0	111.0	110.0	102.0	105.0	113.0
Total Key personnel	107.0	107.0	112.0	113.0	110.0	104.0	105.0	113.0
Indicator value	<b>100.0%</b>	<b>98.1%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



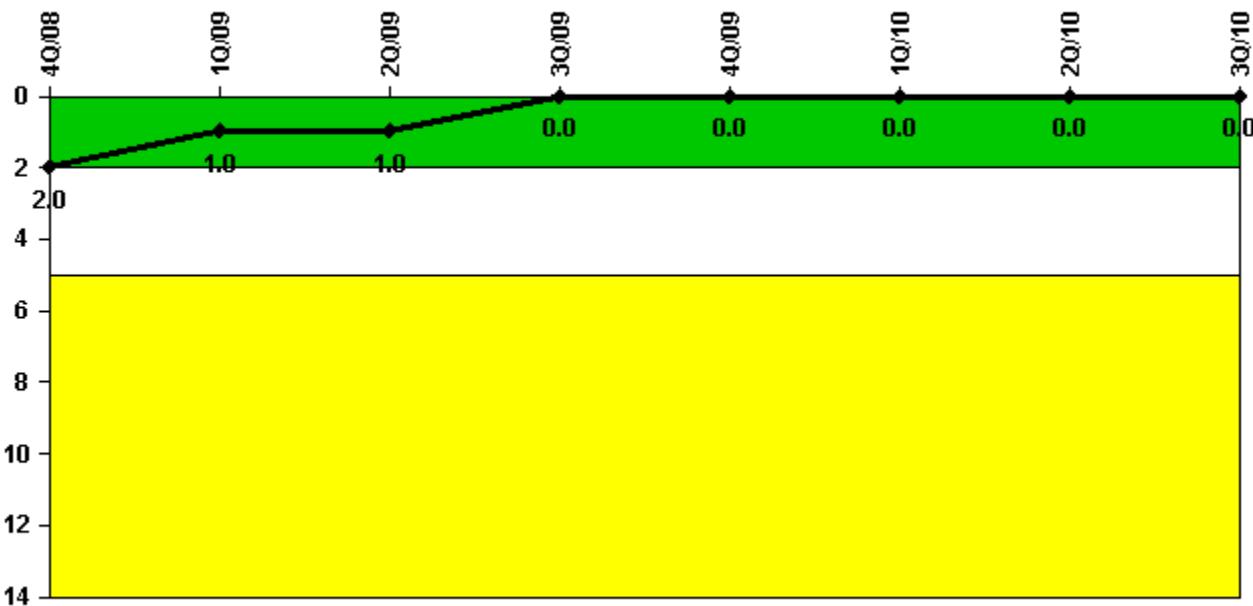
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	46	40	43	45	40	42	38	42
Total sirens-tests	48	42	45	45	42	42	39	42
Indicator value	96.7%	96.1%	96.1%	96.7%	96.6%	97.7%	98.2%	98.2%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



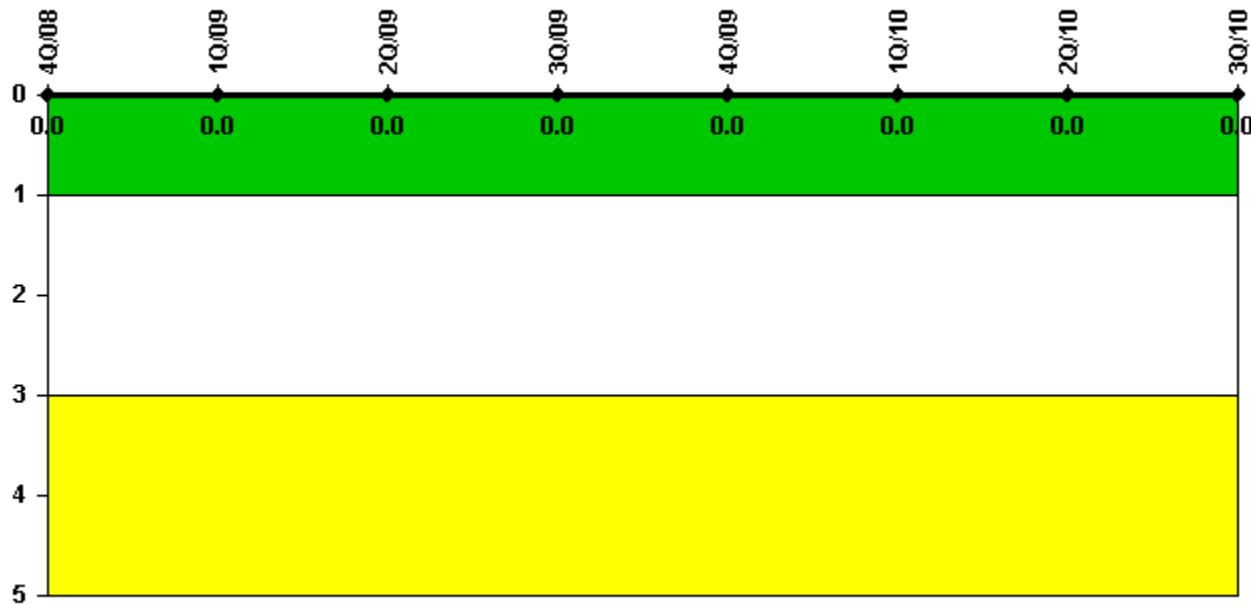
Thresholds: White > 2.0 Yellow > 5.0

### 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>2</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/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](#)

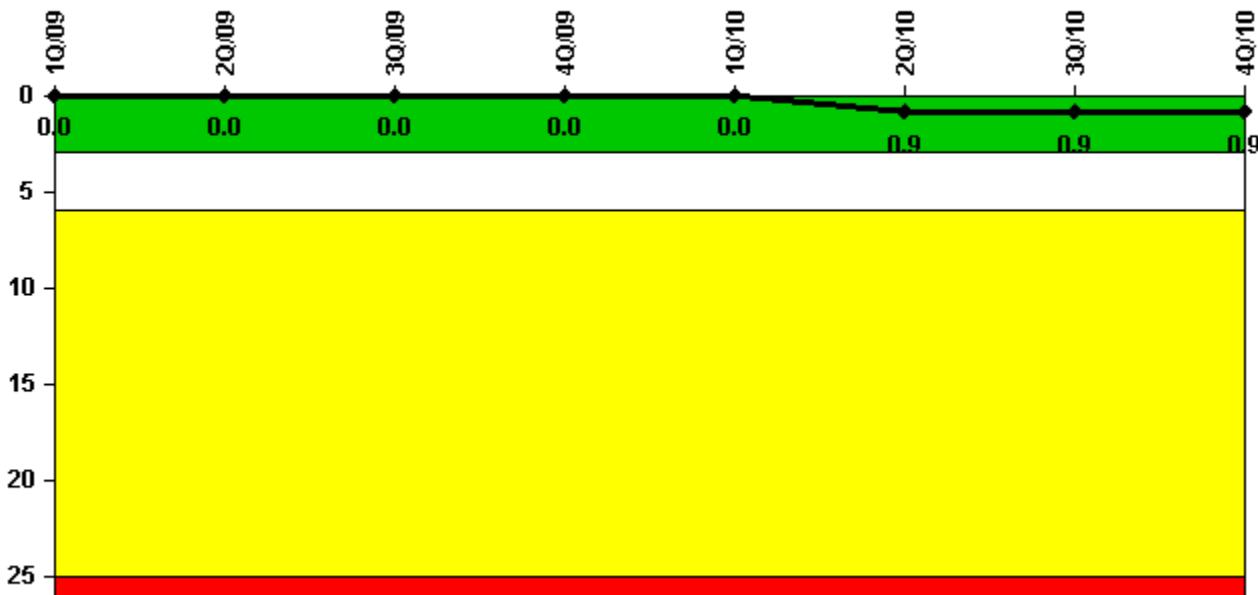
Last Modified: October 25, 2010

# Farley 2

## 4Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



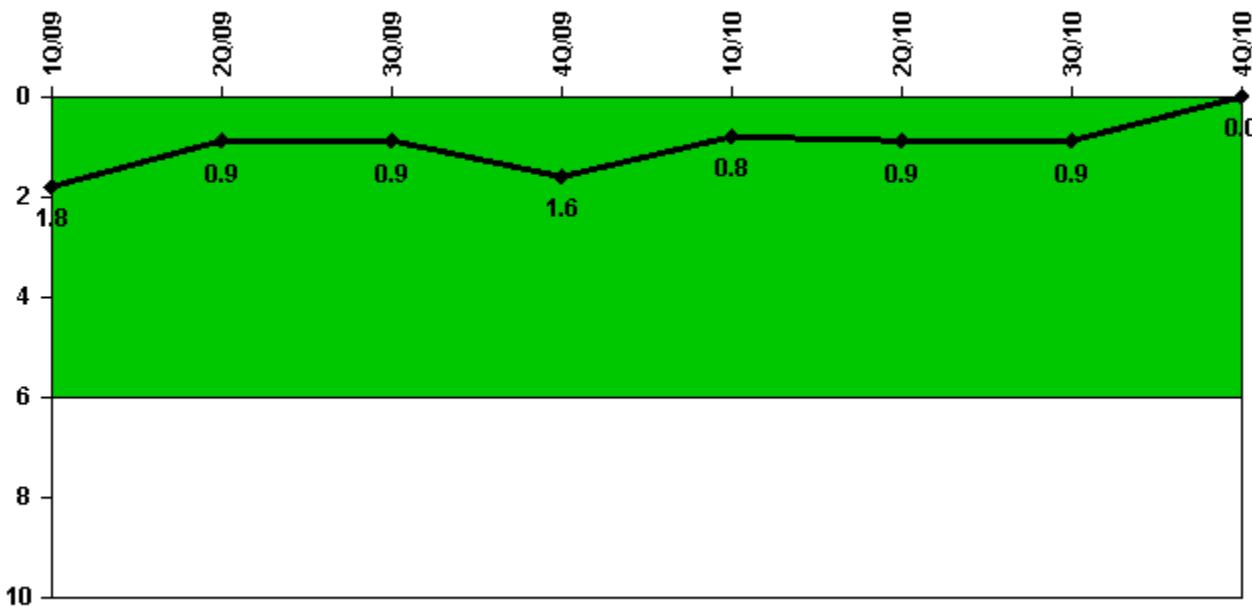
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	1.0	0	0
Critical hours	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



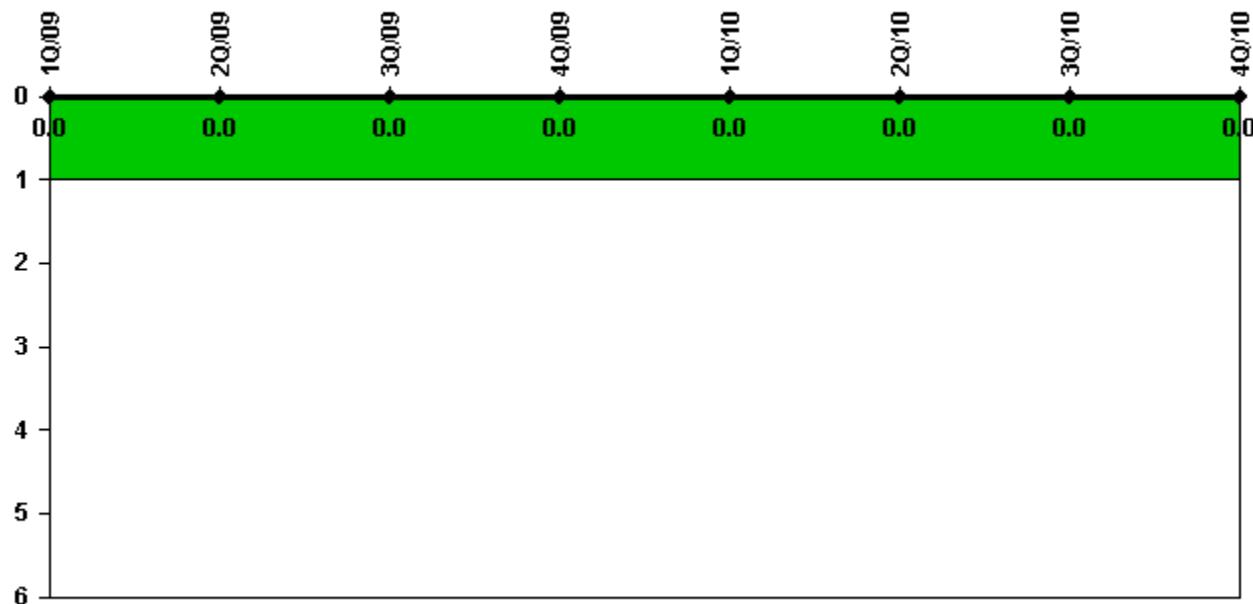
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	1998.9	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0
Indicator value	1.8	0.9	0.9	1.6	0.8	0.9	0.9	0

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

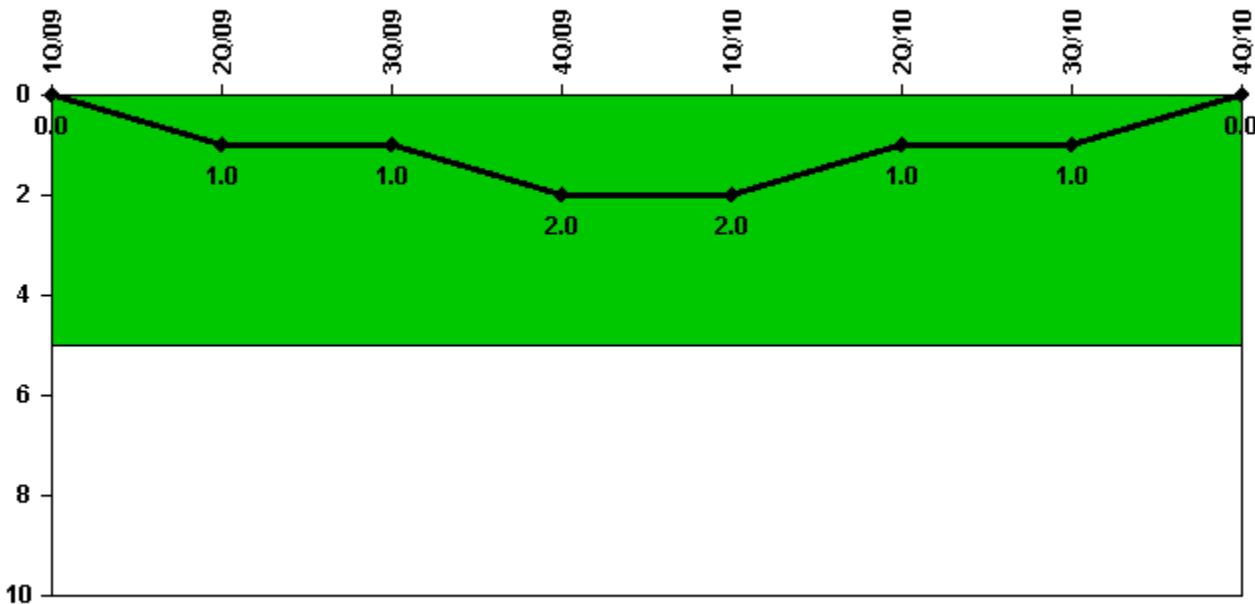
### Notes

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

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

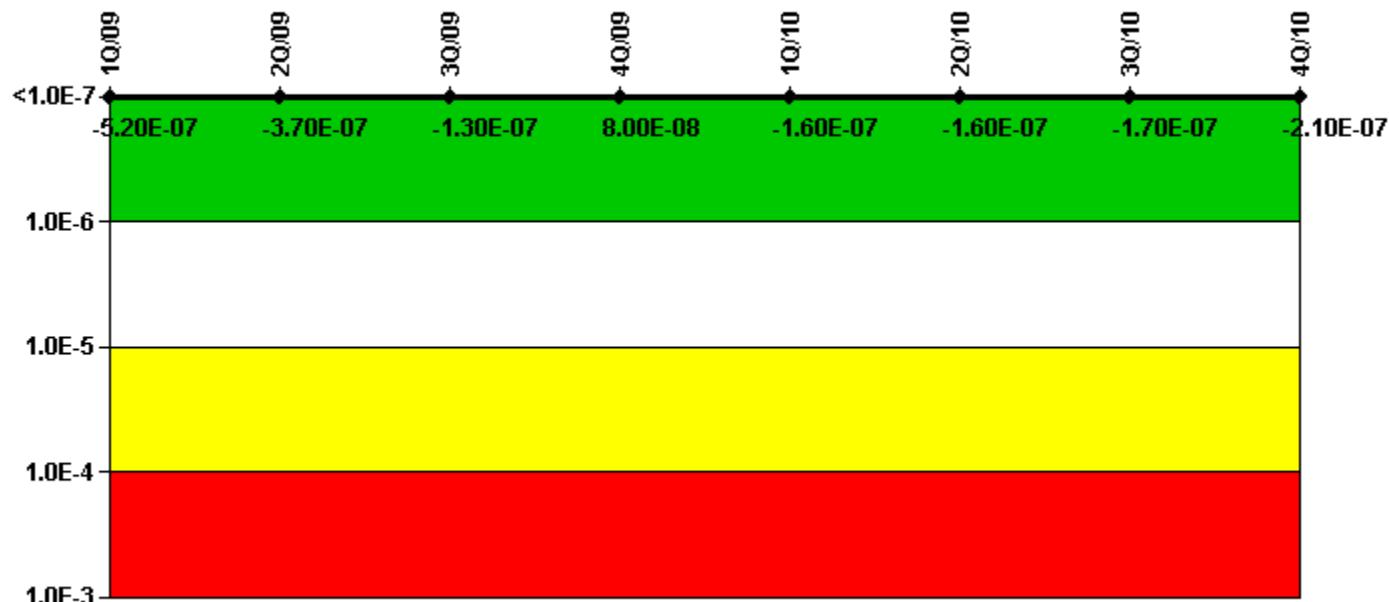
### Notes

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

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



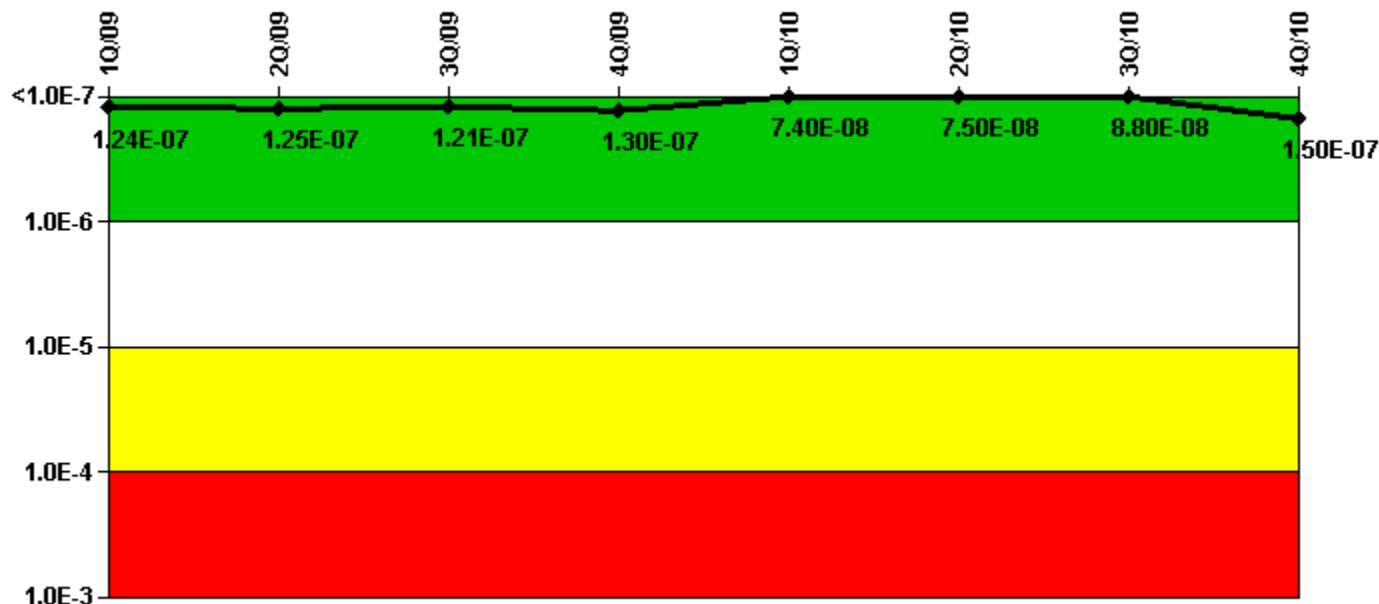
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	2.10E-07	3.60E-07	6.00E-07	8.10E-07	5.71E-07	5.73E-07	5.59E-07	5.17E-07
URI ( $\Delta$ CDF)	-7.30E-07	-7.30E-07	-7.30E-07	-7.30E-07	-7.31E-07	-7.31E-07	-7.31E-07	-7.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-5.20E-07</b>	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



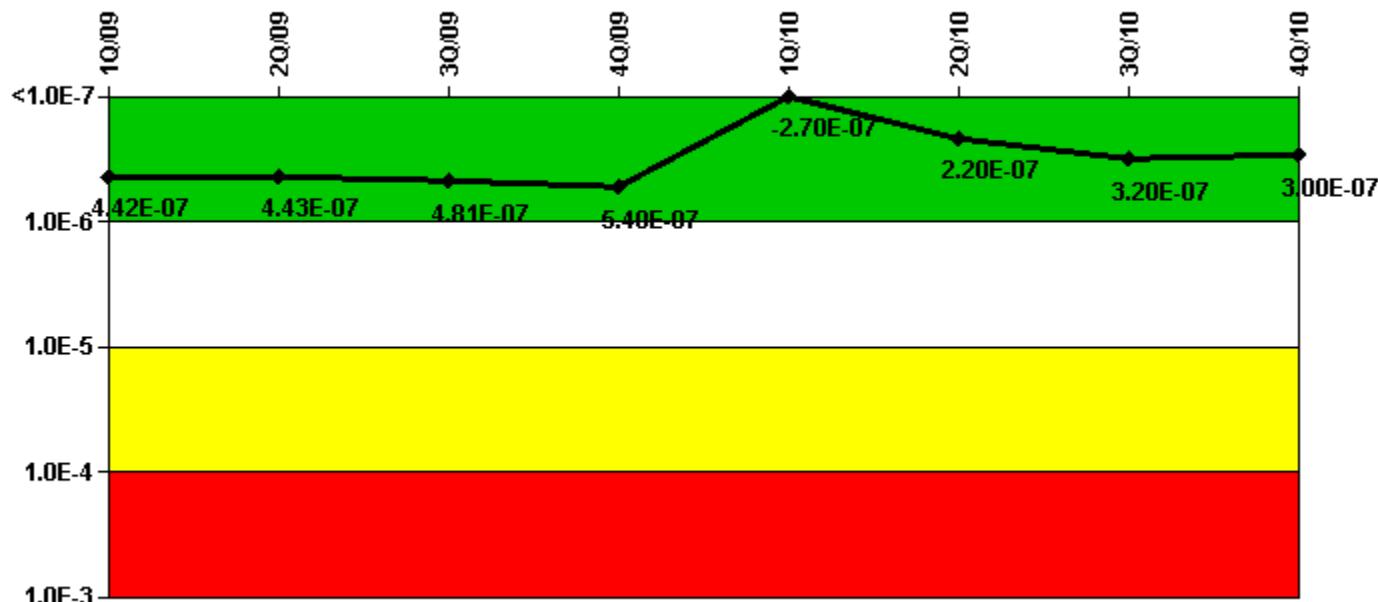
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	9.40E-08	9.50E-08	9.10E-08	1.00E-07	4.40E-08	4.45E-08	5.85E-08	1.22E-07
URI ( $\Delta$ CDF)	3.00E-08	3.01E-08						
PLE	NO							
Indicator value	<b>1.24E-07</b>	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-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

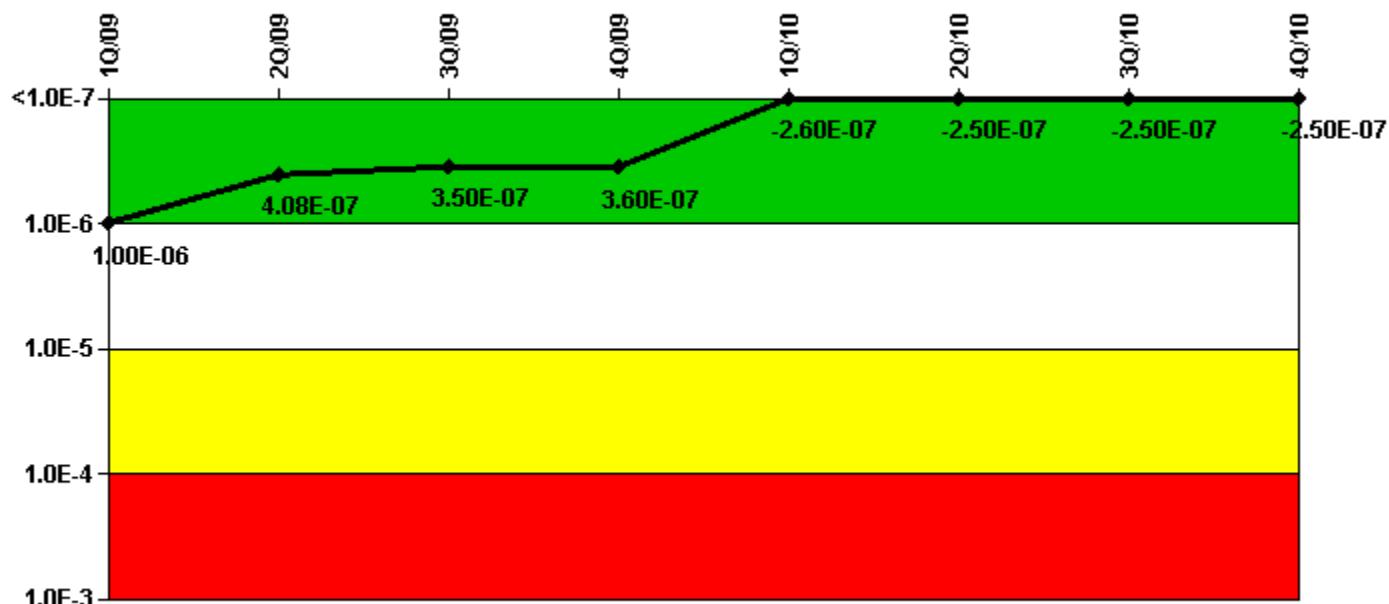
### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	1.20E-08	1.30E-08	5.10E-08	1.10E-07	8.12E-08	7.72E-08	1.77E-07	1.45E-07
URI ( $\Delta$ CDF)	4.30E-07	4.30E-07	4.30E-07	4.30E-07	-3.53E-07	1.47E-07	1.47E-07	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.42E-07</b>	<b>4.43E-07</b>	<b>4.81E-07</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>

Licensee Comments:

4Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



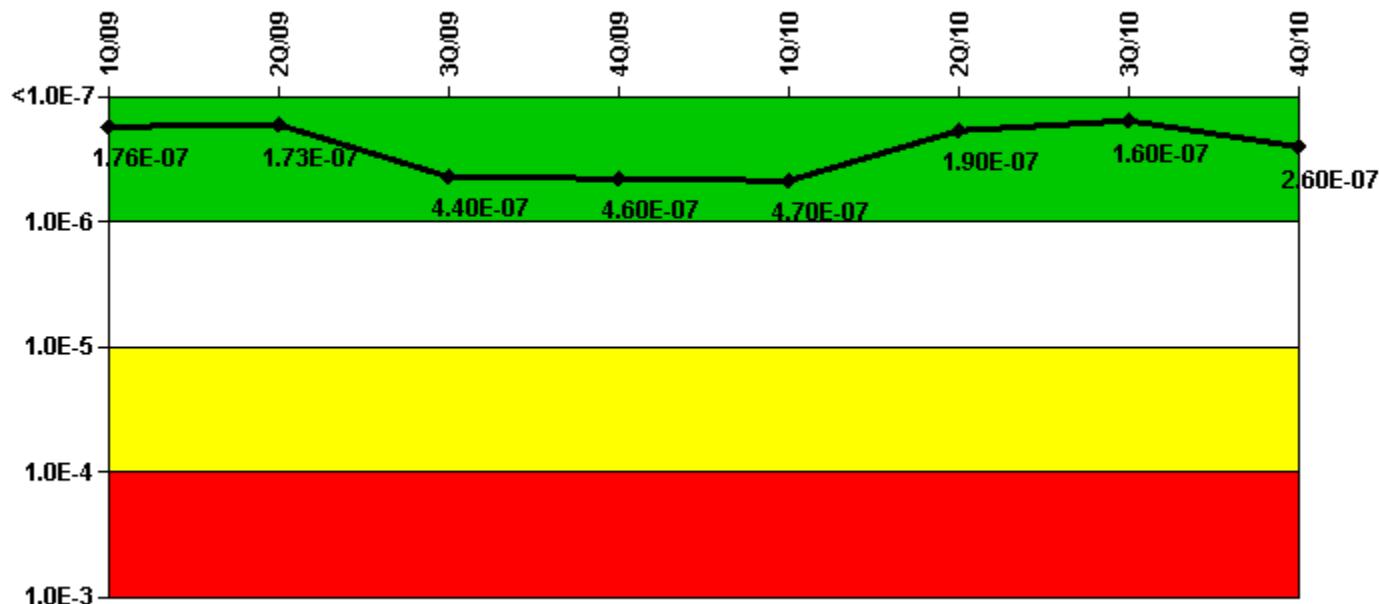
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	7.00E-08	3.80E-08	3.78E-08	4.88E-08	-6.95E-08	-6.95E-08	-6.95E-08	-6.89E-08
URI ( $\Delta$ CDF)	9.30E-07	3.70E-07	3.14E-07	3.14E-07	-1.86E-07	-1.85E-07	-1.85E-07	-1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-06	4.08E-07	3.50E-07	3.60E-07	-2.60E-07	-2.50E-07	-2.50E-07	-2.50E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



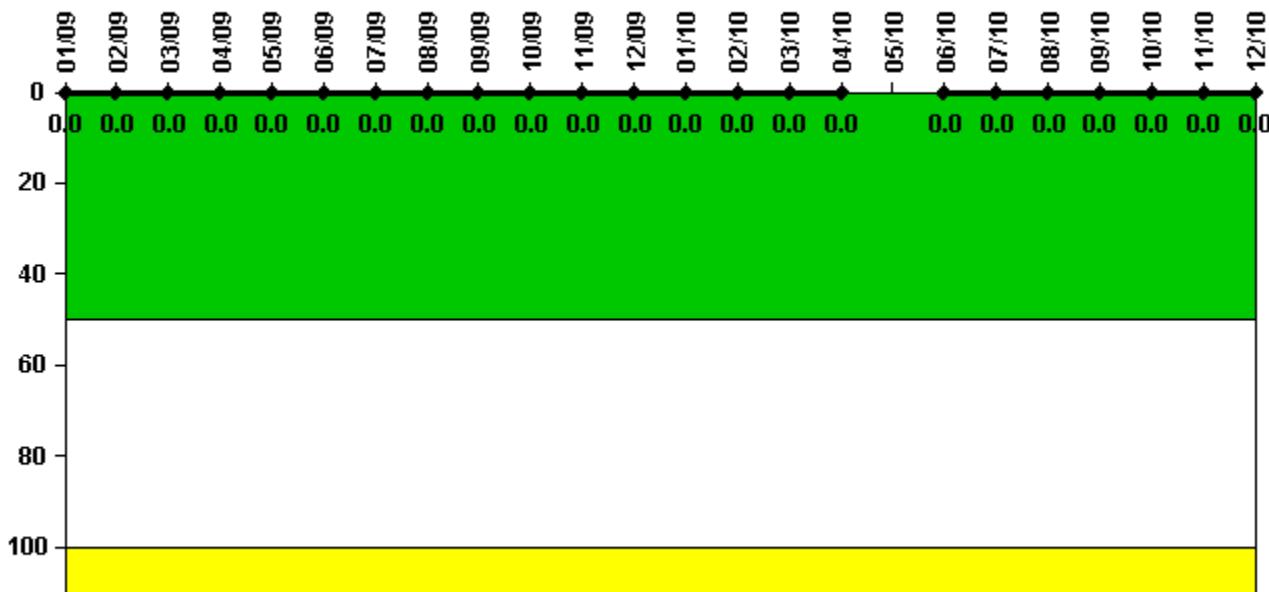
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	1.60E-08	1.30E-08	8.00E-08	1.00E-07	1.10E-07	1.10E-07	8.81E-08	8.99E-08
URI ( $\Delta$ CDF)	1.60E-07	1.60E-07	3.60E-07	3.60E-07	3.55E-07	8.27E-08	7.35E-08	1.67E-07
PLE	NO							
<b>Indicator value</b>	<b>1.76E-07</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>	<b>1.60E-07</b>	<b>2.60E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



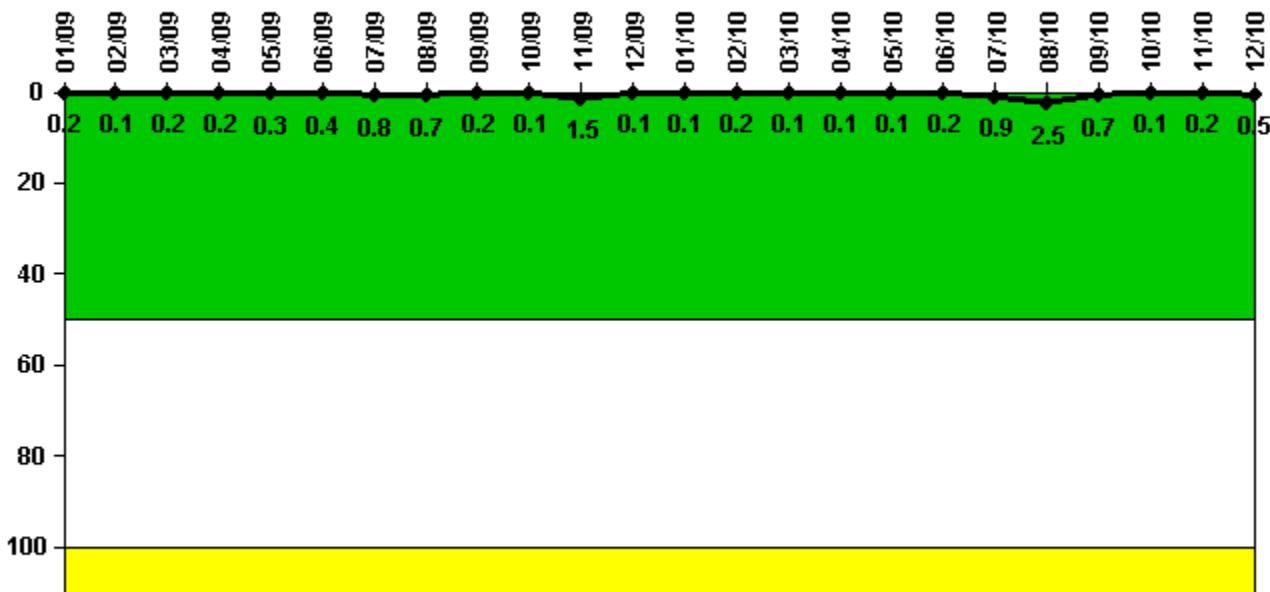
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000007	0.000038	0.000042	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000058	0.000059	0.000059	0.000050	N/A	0.000041	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	N/A	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



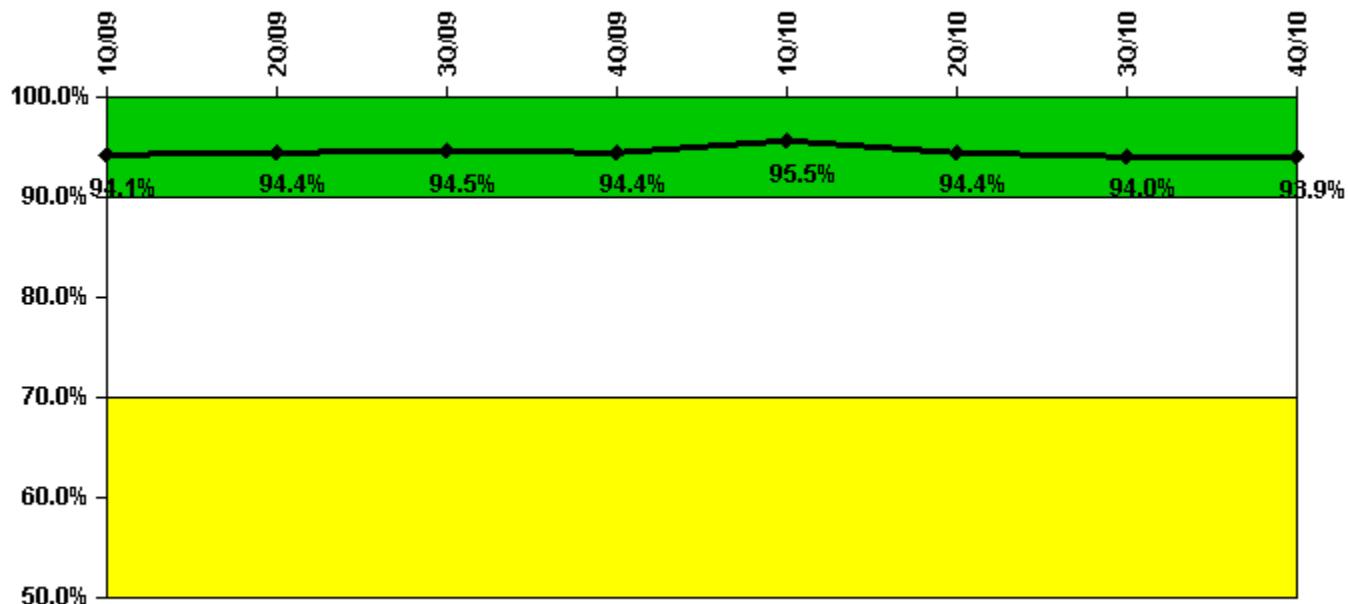
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.017	0.010	0.020	0.019	0.025	0.035	0.079	0.070	0.015	0.014	0.150	0.012
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>
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	0.014	0.015	0.011	0.005	0.012	0.018	0.088	0.253	0.070	0.014	0.019	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

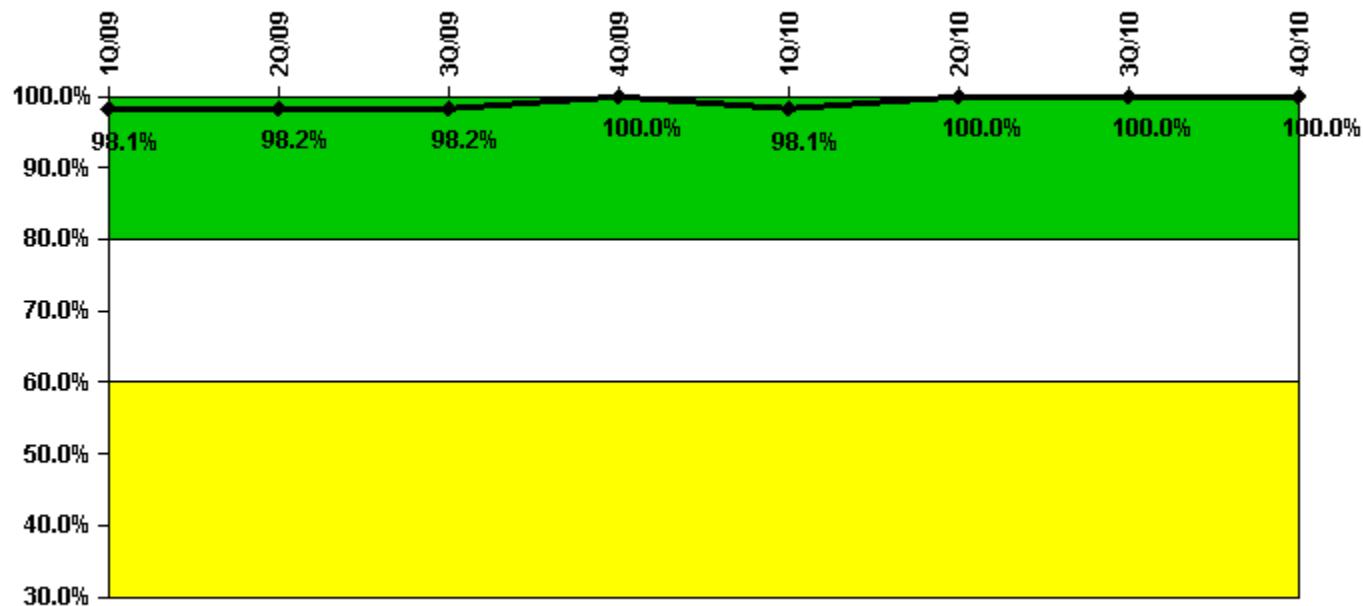
### Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	25.0	18.0	15.0	30.0	21.0	20.0	14.0	11.0
Total opportunities	29.0	18.0	15.0	31.0	22.0	23.0	15.0	11.0
<b>Indicator value</b>	<b>94.1%</b>	<b>94.4%</b>	<b>94.5%</b>	<b>94.4%</b>	<b>95.5%</b>	<b>94.4%</b>	<b>94.0%</b>	<b>93.9%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

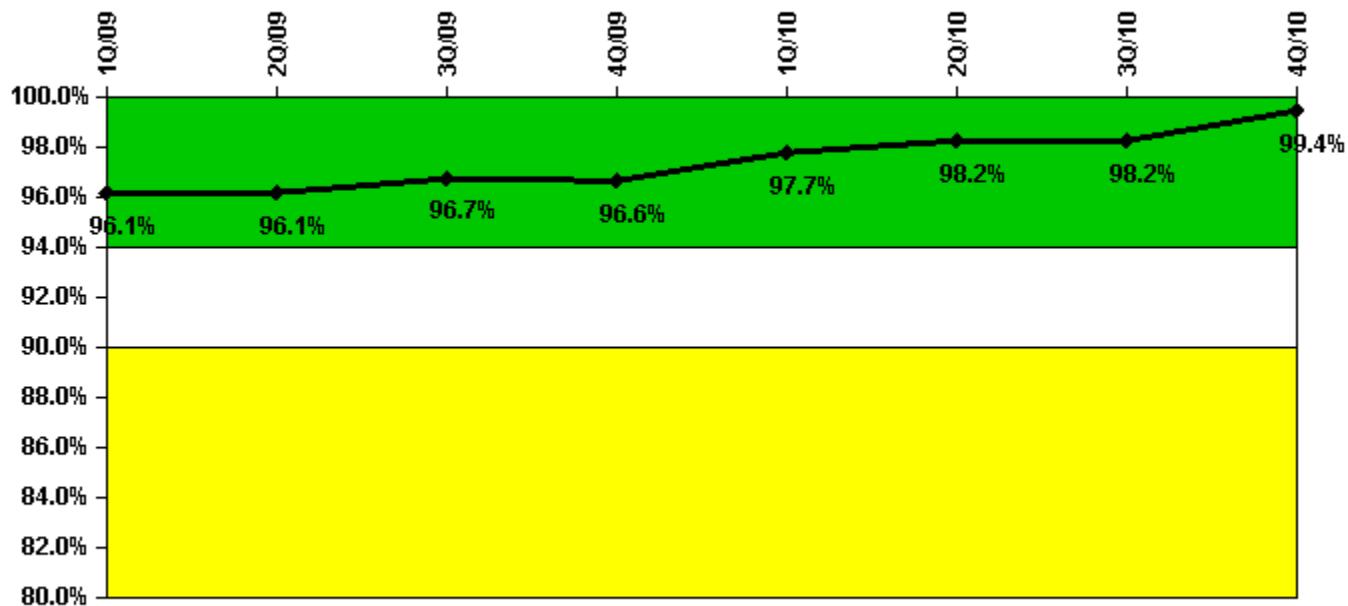
### Notes

<b>ERO Drill Participation</b>	<b>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>
Participating Key personnel	105.0	110.0	111.0	110.0	102.0	105.0	113.0	114.0
Total Key personnel	107.0	112.0	113.0	110.0	104.0	105.0	113.0	114.0
<b>Indicator value</b>	<b>98.1%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



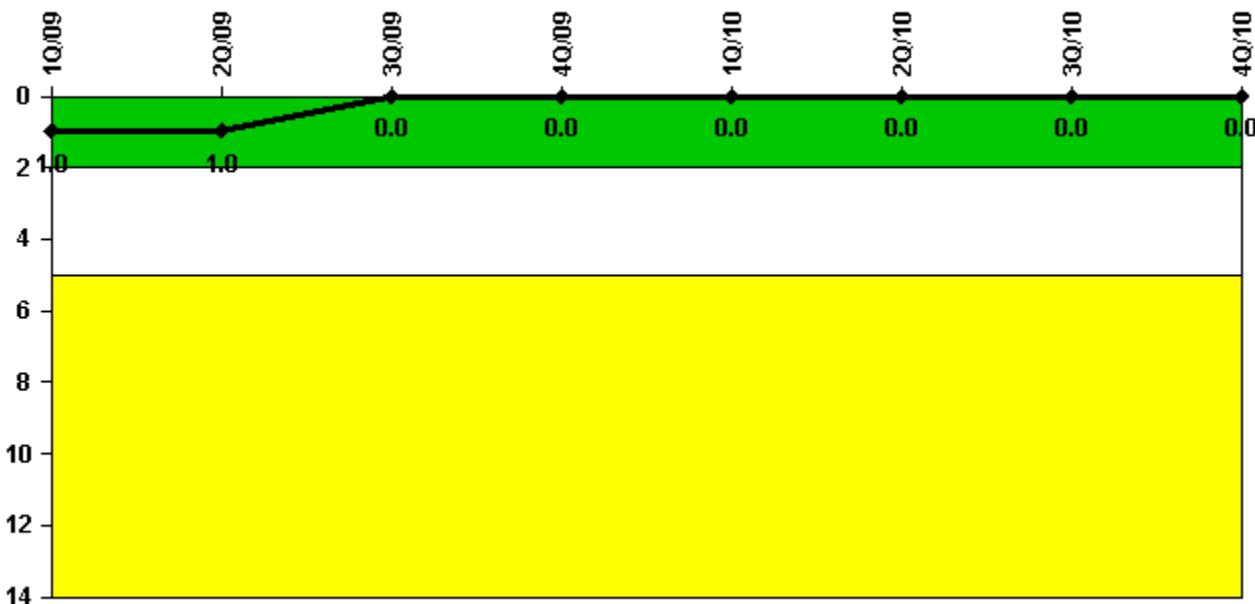
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	40	43	45	40	42	38	42	42
Total sirens-tests	42	45	45	42	42	39	42	42
Indicator value	96.1%	96.1%	96.7%	96.6%	97.7%	98.2%	98.2%	99.4%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



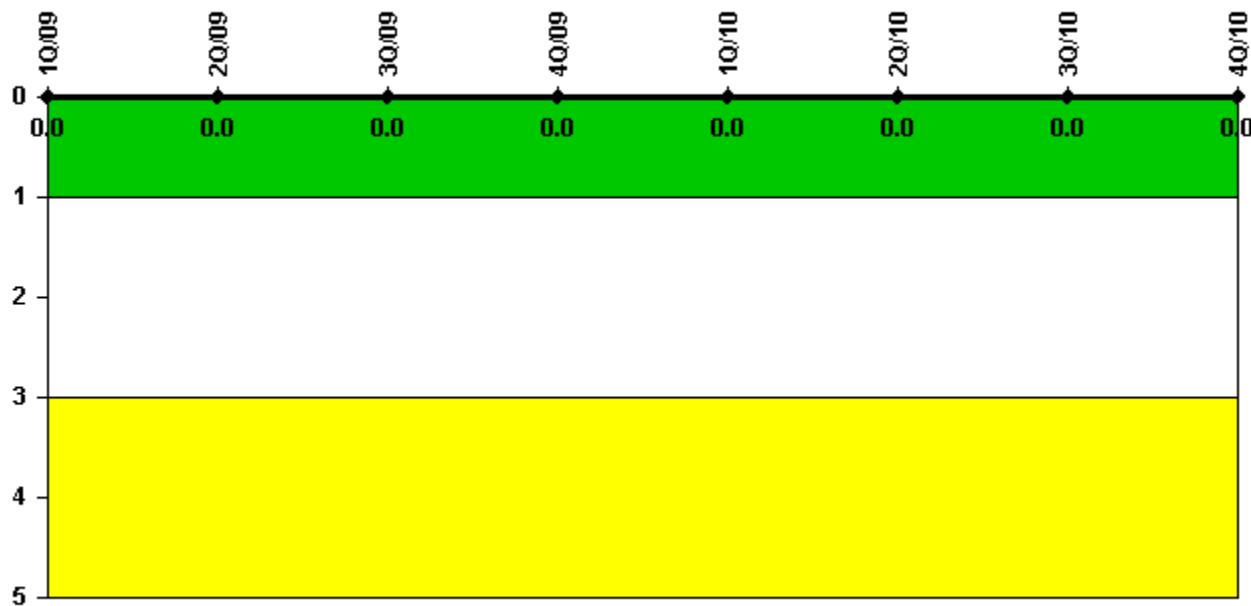
Thresholds: White > 2.0 Yellow > 5.0

### 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>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

## 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

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[Security](#) information not publicly available.

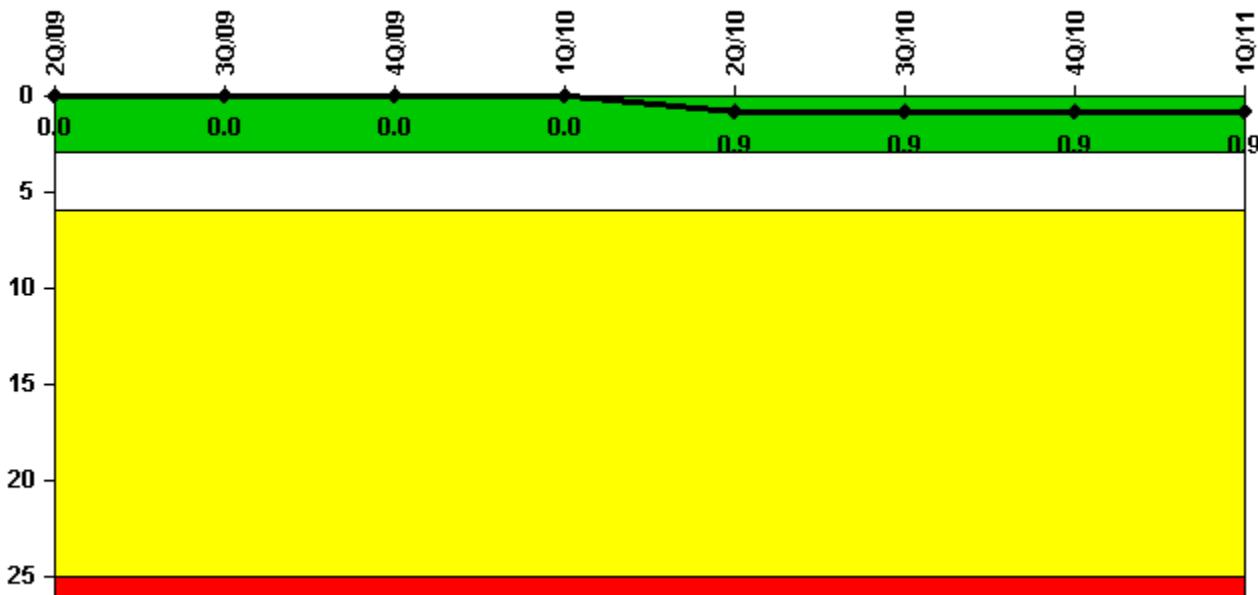
---

# Farley 2

## 1Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



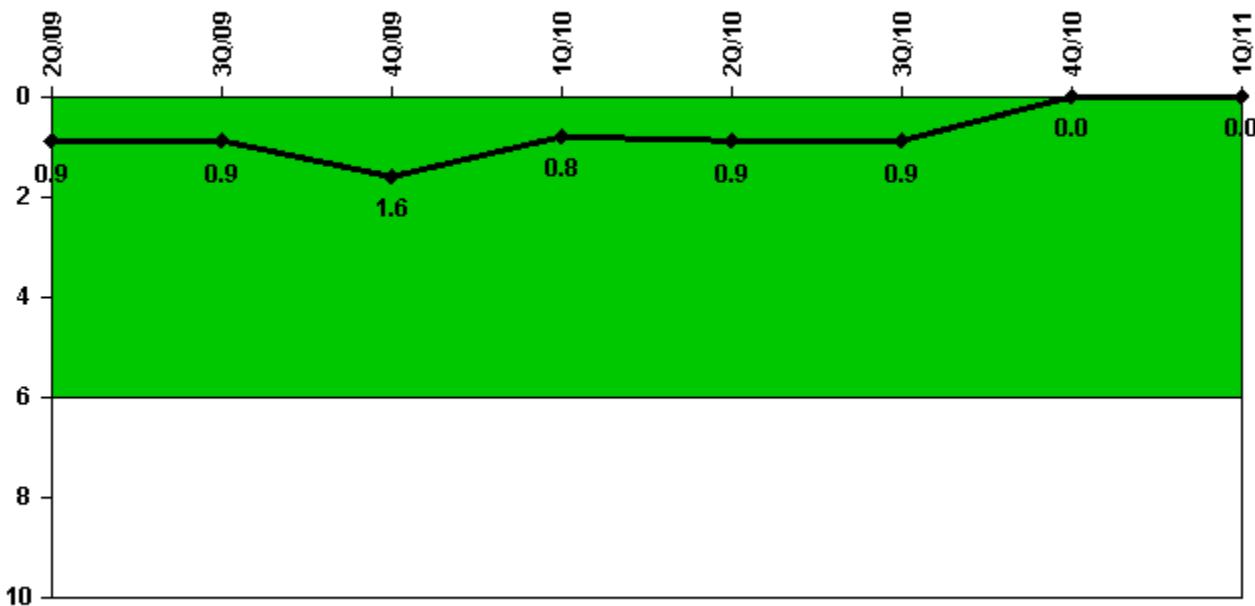
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9
Indicator value	0	0	0	0	0.9	0.9	0.9	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

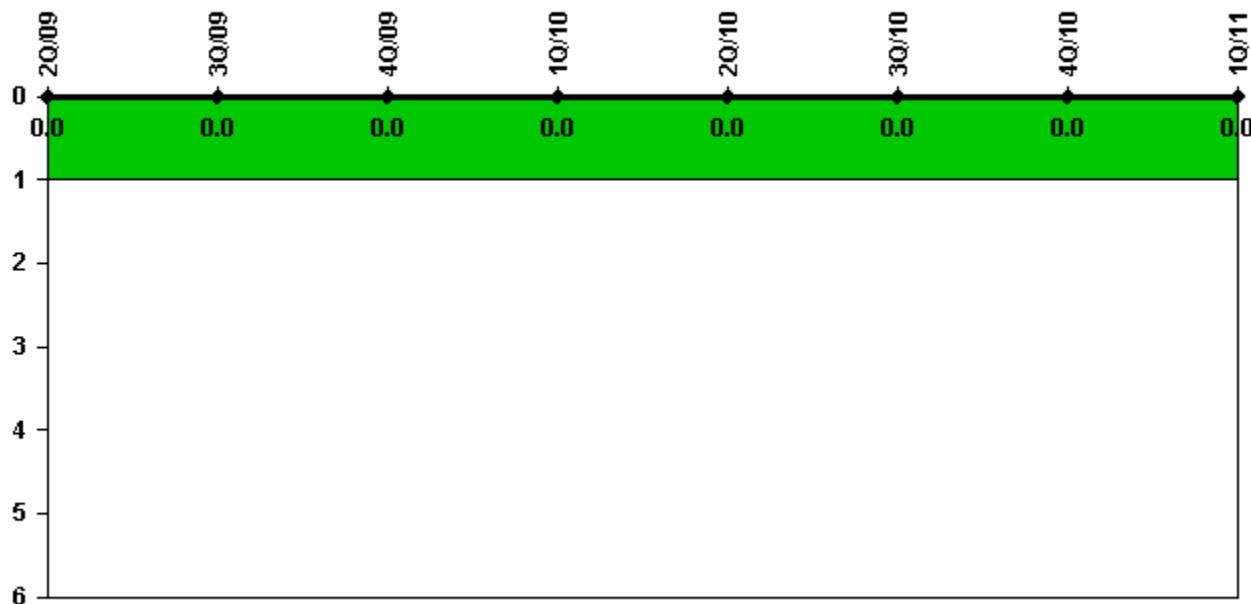
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9
Indicator value	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

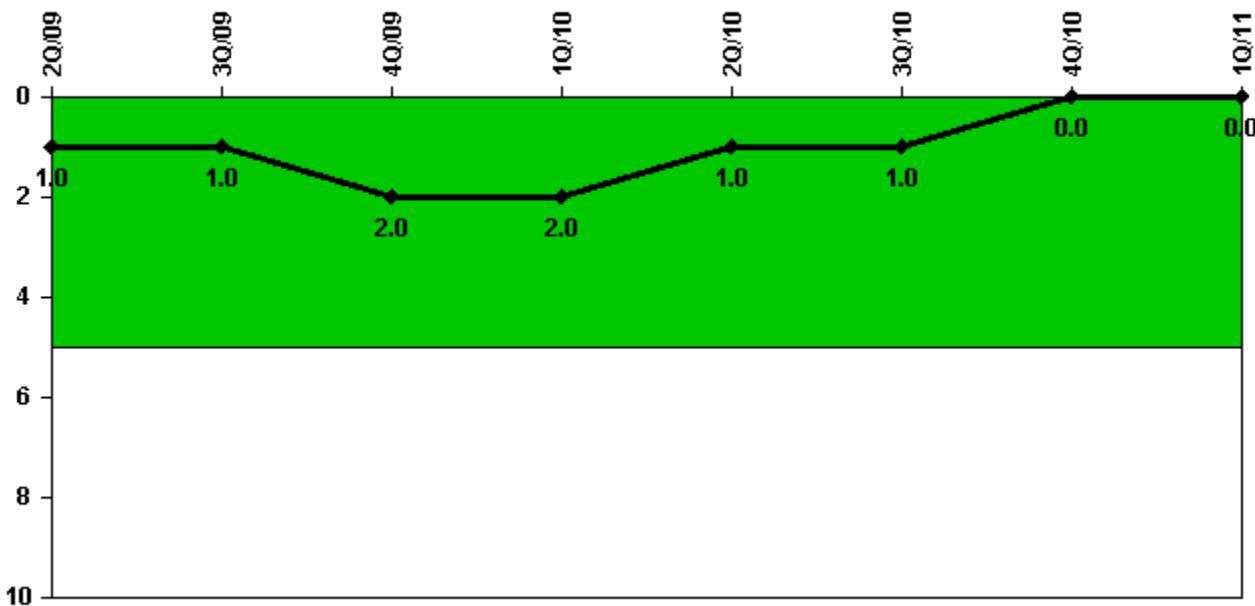
### Notes

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

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

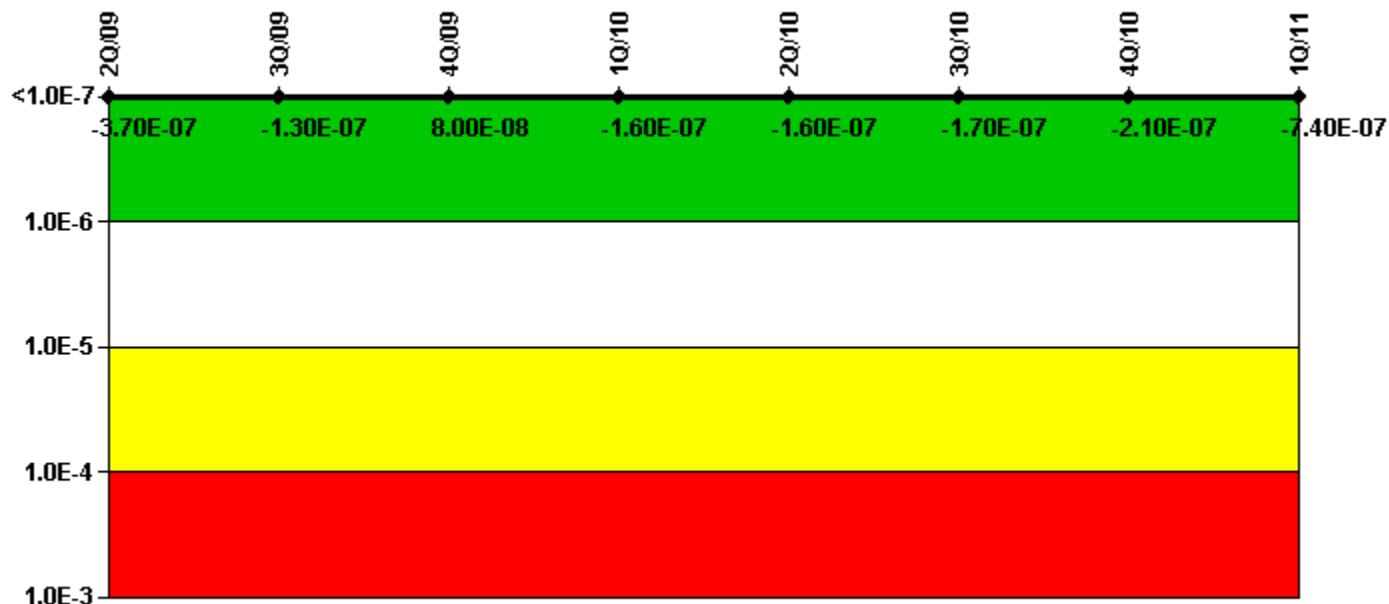
### Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	1	0	1	0	0	0	0	0
Indicator value	1	1	2	2	1	1	0	0

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



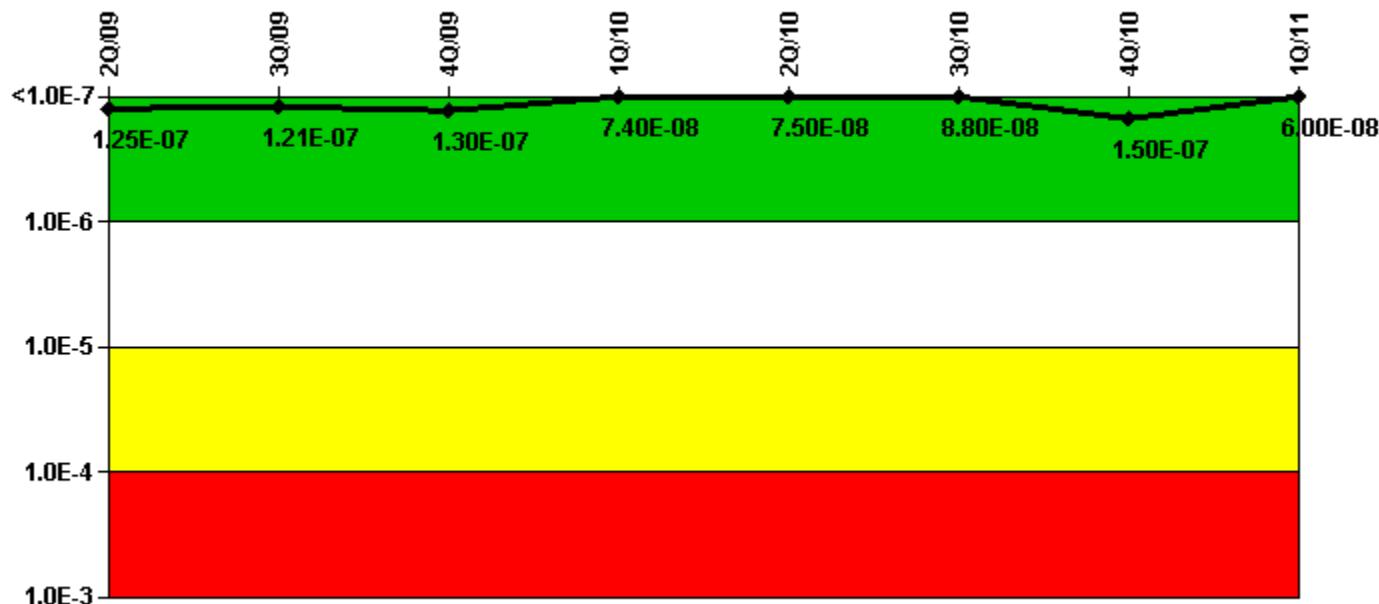
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	3.60E-07	6.00E-07	8.10E-07	5.71E-07	5.73E-07	5.59E-07	5.17E-07	-8.14E-09
URI ( $\Delta$ CDF)	-7.30E-07	-7.30E-07	-7.30E-07	-7.31E-07	-7.31E-07	-7.31E-07	-7.29E-07	-7.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-3.70E-07</b>	<b>-1.30E-07</b>	<b>8.00E-08</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>	<b>-7.40E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



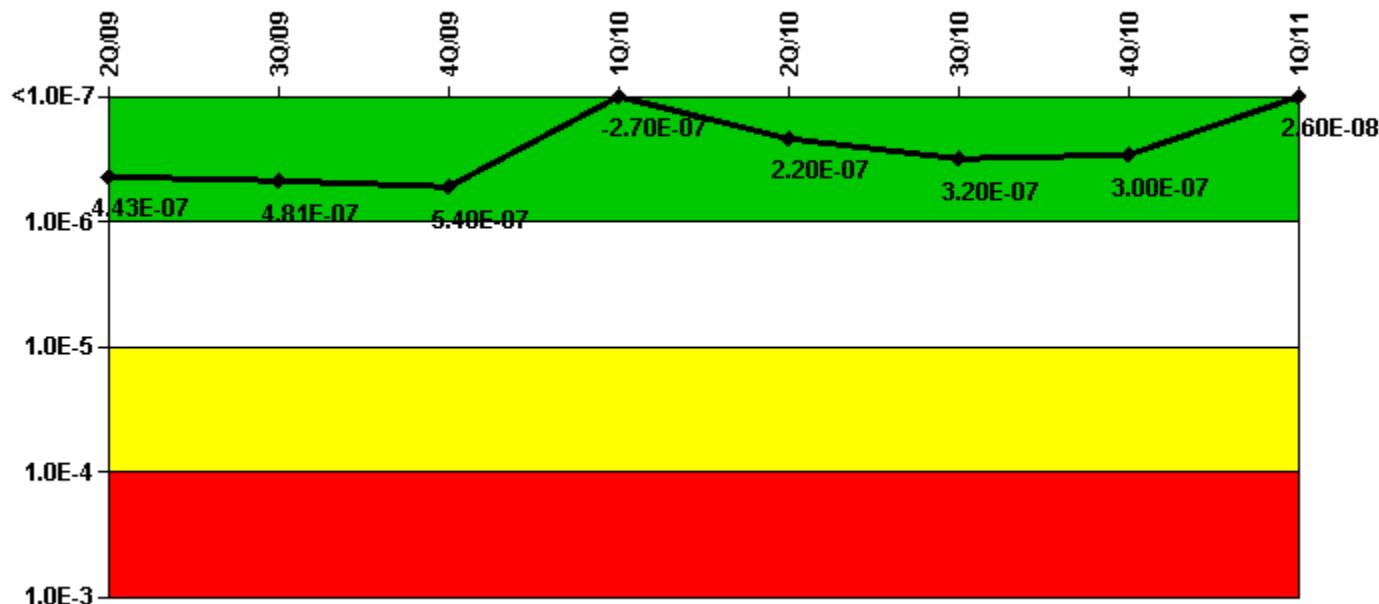
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	9.50E-08	9.10E-08	1.00E-07	4.40E-08	4.45E-08	5.85E-08	1.22E-07	3.02E-08
URI ( $\Delta$ CDF)	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.01E-08	3.01E-08
PLE	NO							
Indicator value	<b>1.25E-07</b>	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>6.00E-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

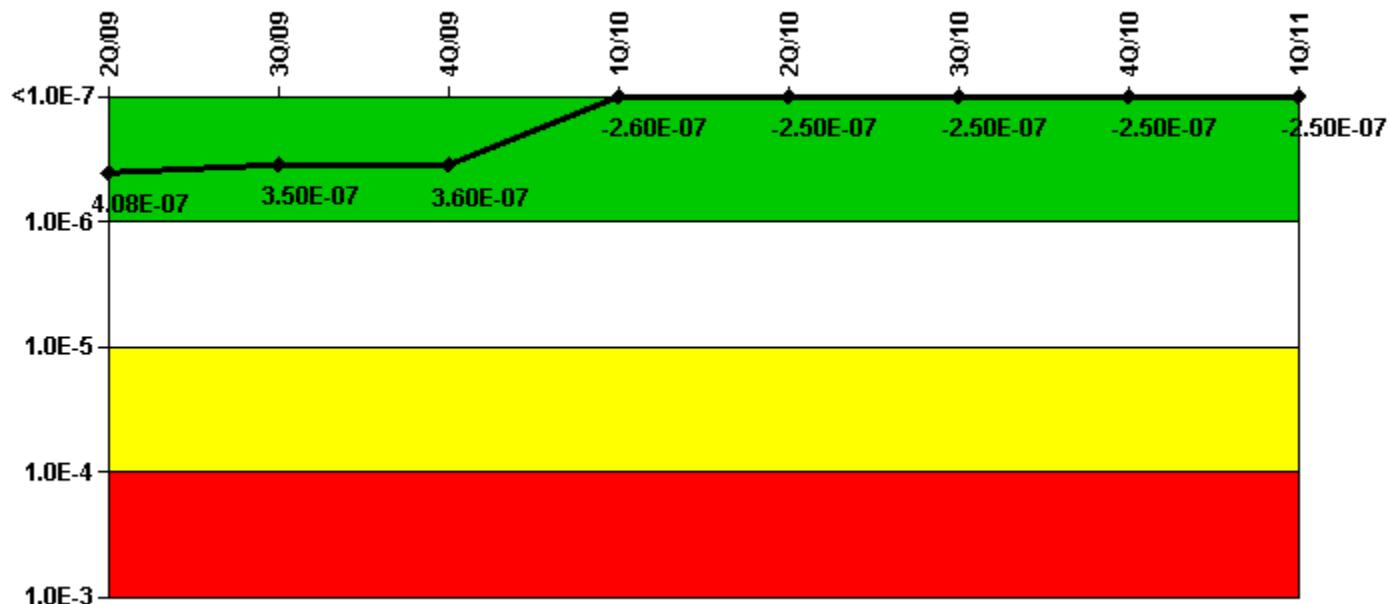
### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	1.30E-08	5.10E-08	1.10E-07	8.12E-08	7.72E-08	1.77E-07	1.45E-07	-1.27E-07
URI ( $\Delta$ CDF)	4.30E-07	4.30E-07	4.30E-07	-3.53E-07	1.47E-07	1.47E-07	1.53E-07	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.43E-07</b>	<b>4.81E-07</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>

Licensee Comments:

1Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



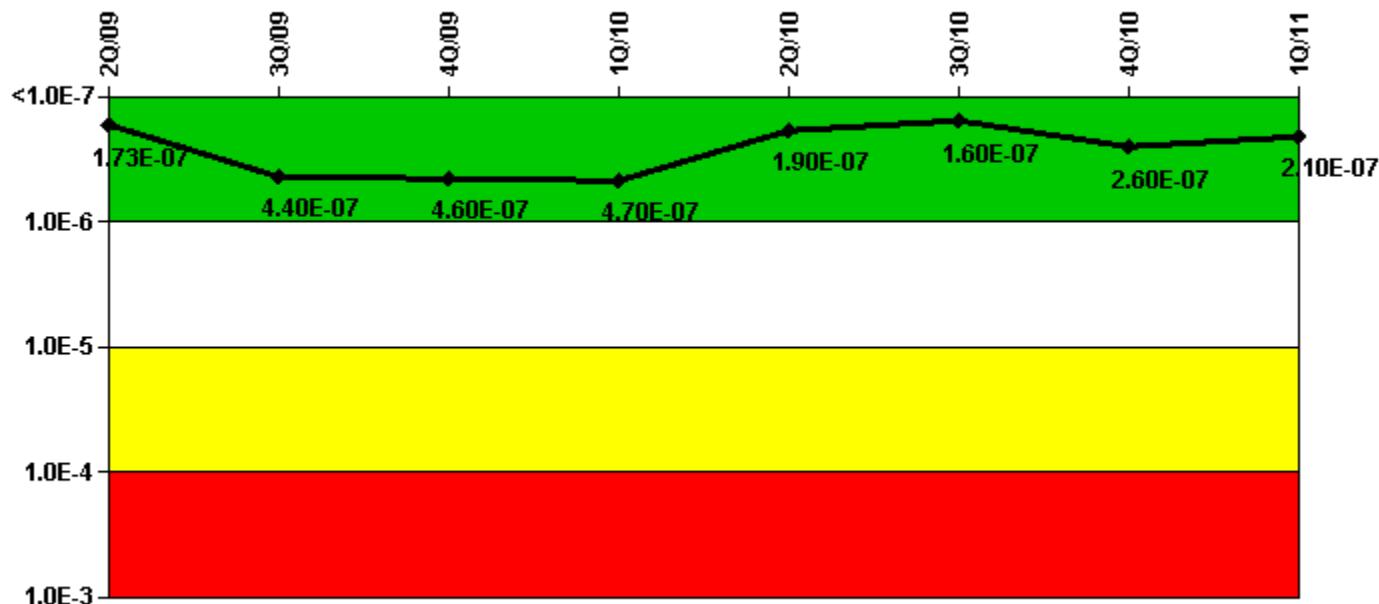
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	3.80E-08	3.78E-08	4.88E-08	-6.95E-08	-6.95E-08	-6.95E-08	-6.89E-08	-6.95E-08
URI ( $\Delta$ CDF)	3.70E-07	3.14E-07	3.14E-07	-1.86E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>4.08E-07</b>	<b>3.50E-07</b>	<b>3.60E-07</b>	<b>-2.60E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



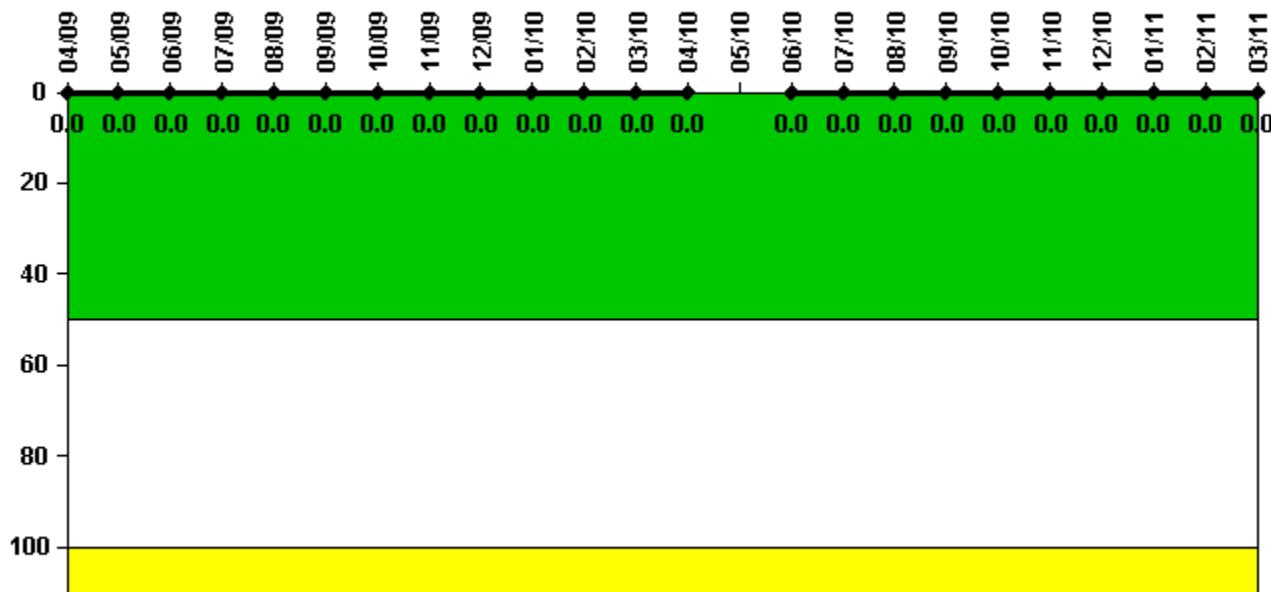
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	1.30E-08	8.00E-08	1.00E-07	1.10E-07	1.10E-07	8.81E-08	8.99E-08	4.32E-08
URI ( $\Delta$ CDF)	1.60E-07	3.60E-07	3.60E-07	3.55E-07	8.27E-08	7.35E-08	1.67E-07	1.66E-07
PLE	NO							
<b>Indicator value</b>	<b>1.73E-07</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>	<b>1.60E-07</b>	<b>2.60E-07</b>	<b>2.10E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



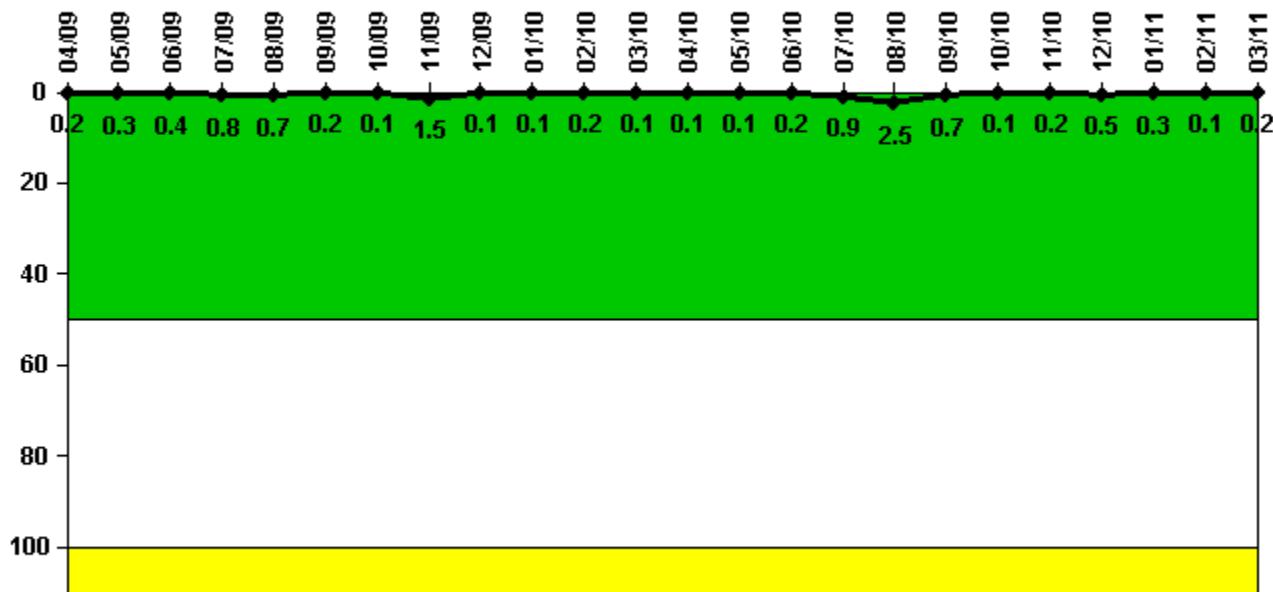
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.000041	0.000043	0.000049	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000050	N/A	0.000041	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	N/A	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



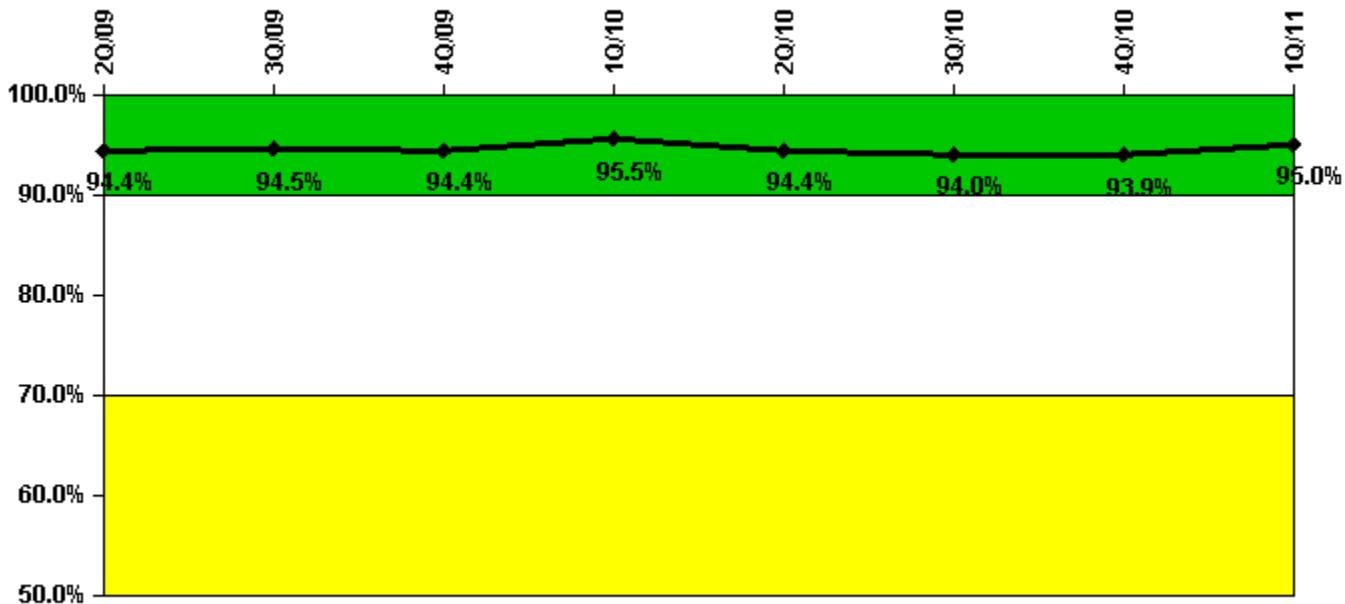
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.019	0.025	0.035	0.079	0.070	0.015	0.014	0.150	0.012	0.014	0.015	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>
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	0.005	0.012	0.018	0.088	0.253	0.070	0.014	0.019	0.054	0.027	0.010	0.016
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>

Licensee Comments: none

## Drill/Exercise Performance



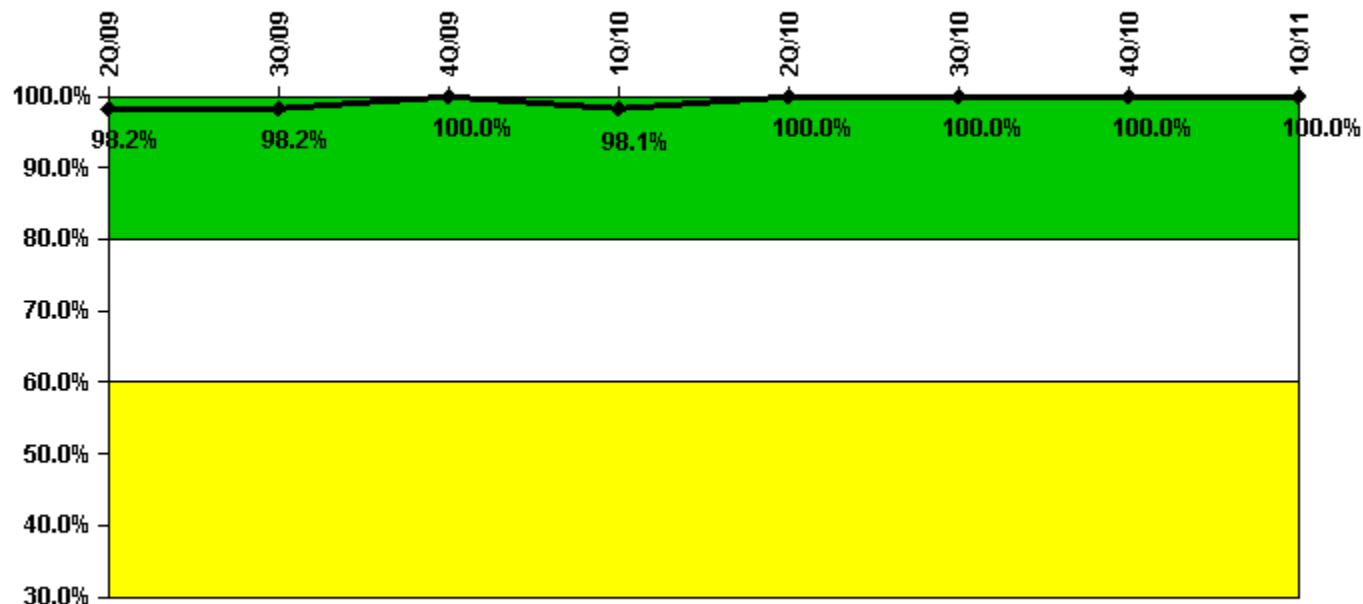
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	18.0	15.0	30.0	21.0	20.0	14.0	11.0	43.0
Total opportunities	18.0	15.0	31.0	22.0	23.0	15.0	11.0	46.0
Indicator value	94.4%	94.5%	94.4%	95.5%	94.4%	94.0%	93.9%	95.0%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

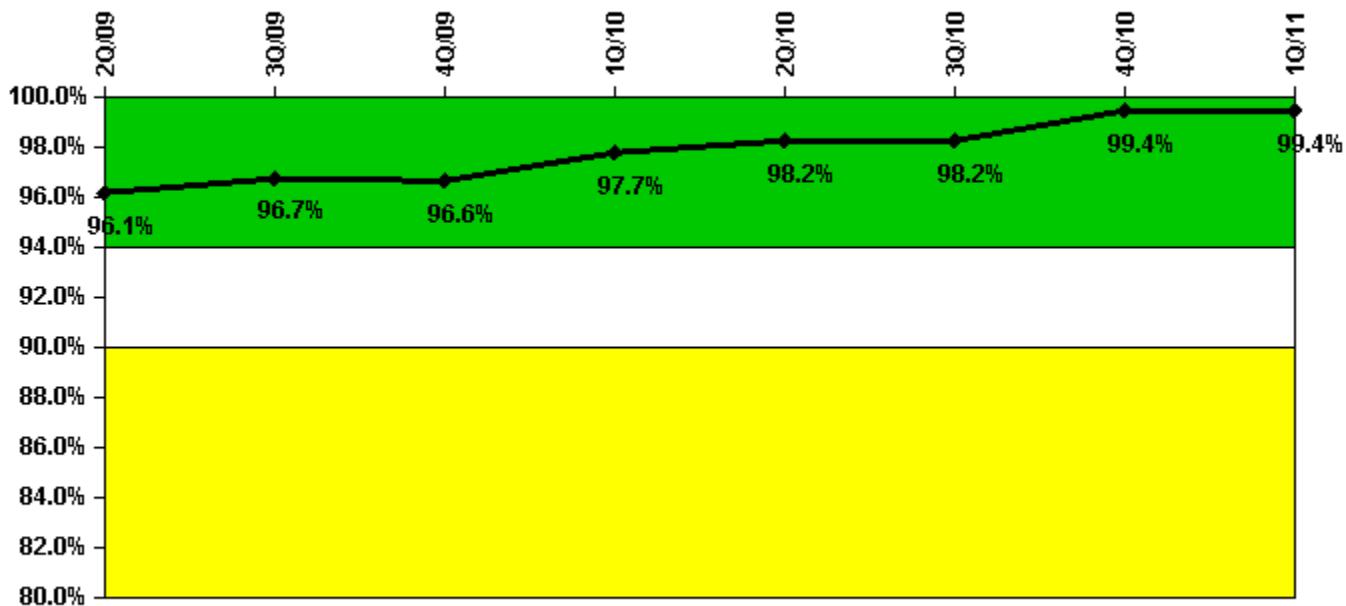
### Notes

<b>ERO Drill Participation</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>
Participating Key personnel	110.0	111.0	110.0	102.0	105.0	113.0	114.0	124.0
Total Key personnel	112.0	113.0	110.0	104.0	105.0	113.0	114.0	124.0
<b>Indicator value</b>	<b>98.2%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</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



Thresholds: White < 94.0% Yellow < 90.0%

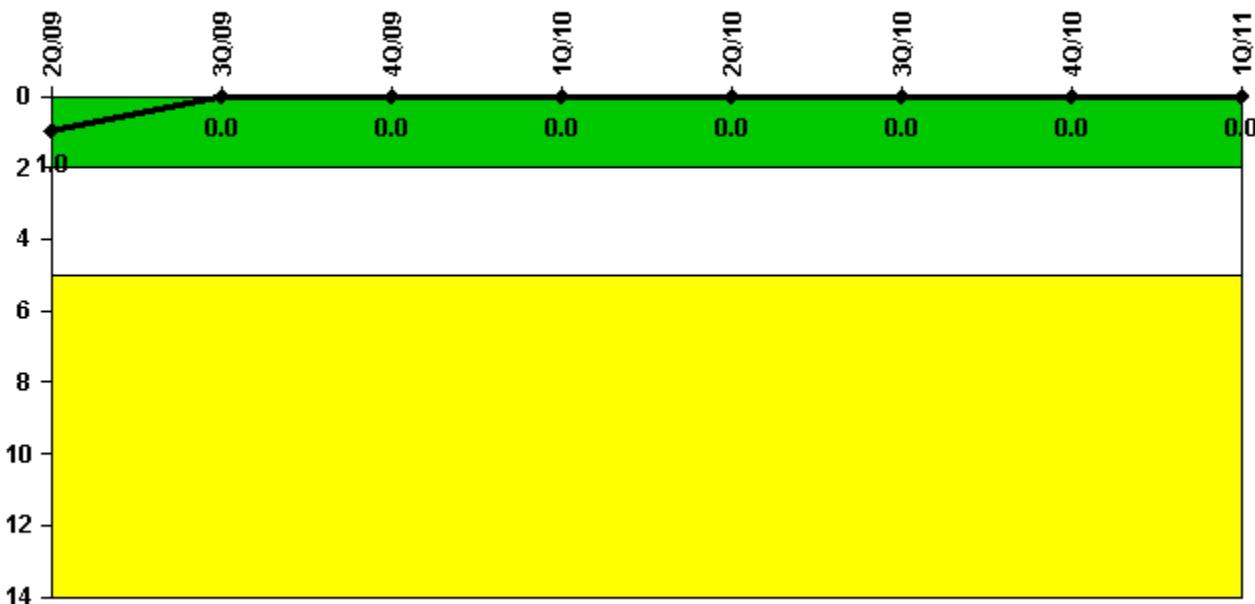
### Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	43	45	40	42	38	42	42	39
Total sirens-tests	45	45	42	42	39	42	42	39
<b>Indicator value</b>	<b>96.1%</b>	<b>96.7%</b>	<b>96.6%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



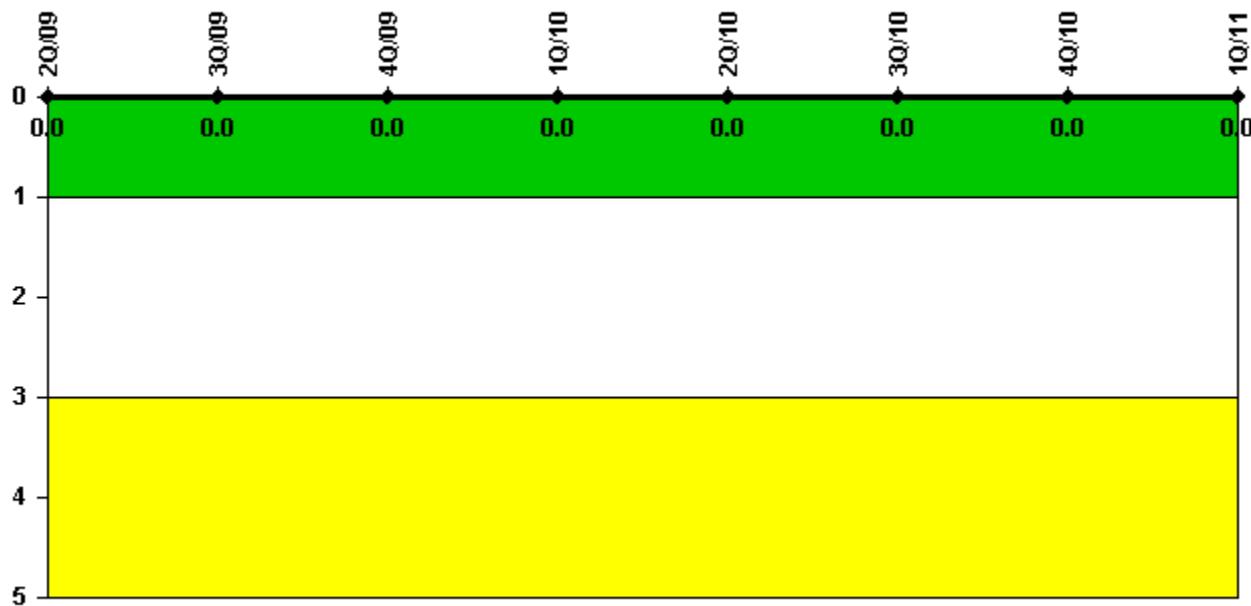
Thresholds: White > 2.0 Yellow > 5.0

### 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>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/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.

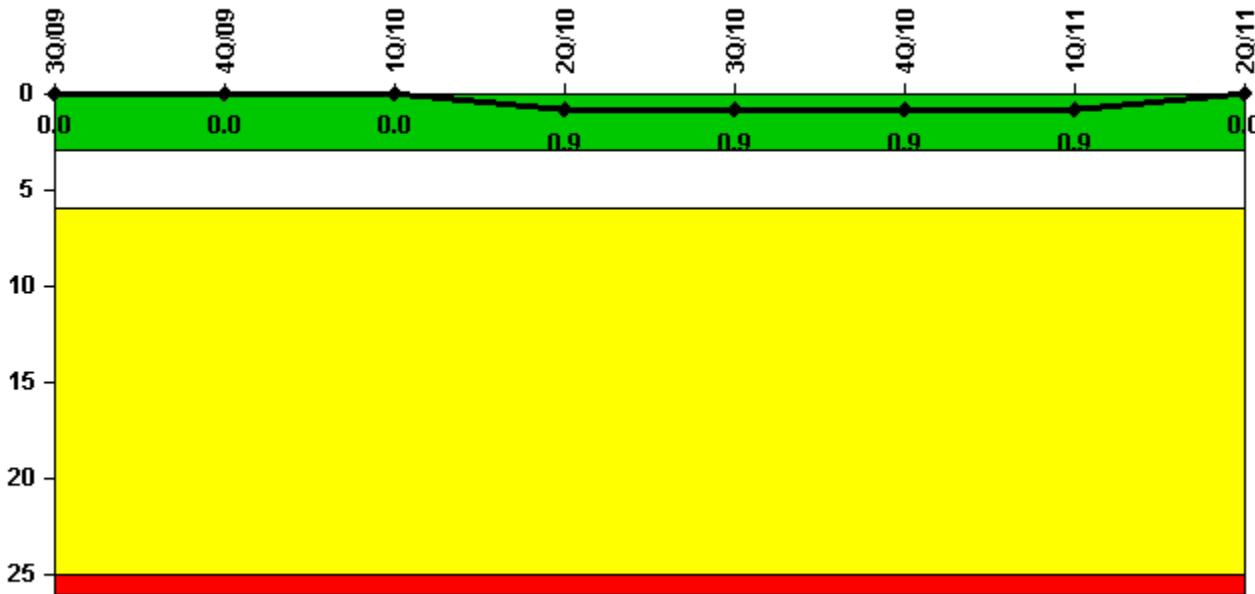
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# Farley 2

## 2Q/2011 Performance Indicators

Licensee's General Comments: This change was due to a Swing Component Circuit Configuration which caused hours to be lost to both trains and only one train had previously been reported.

### Unplanned Scrams per 7000 Critical Hrs



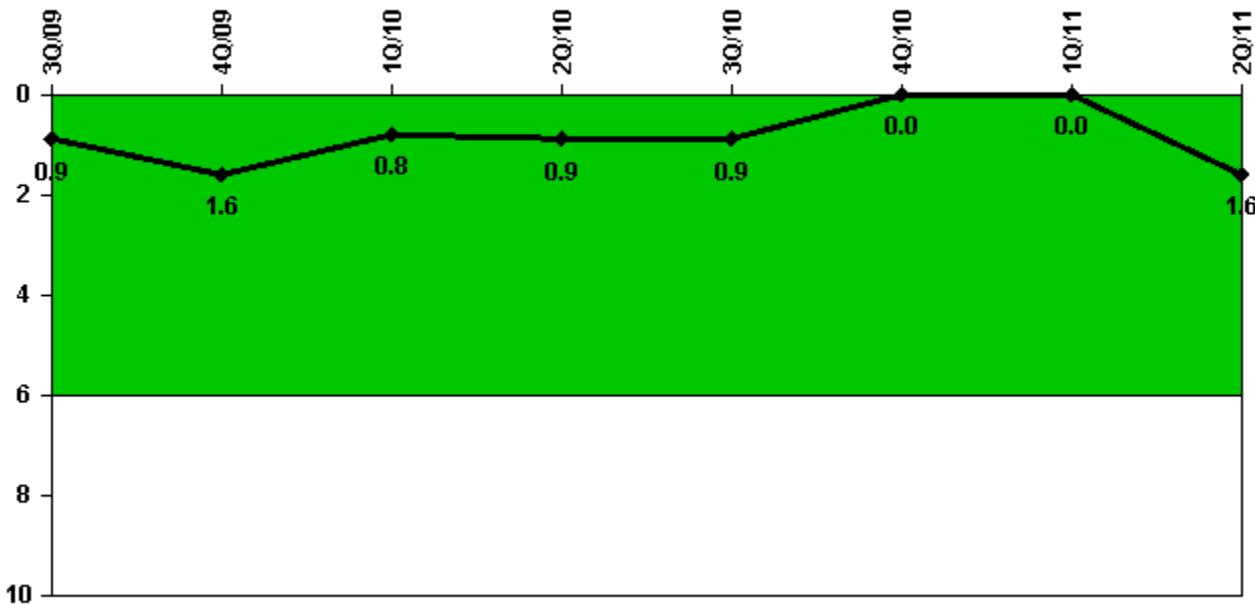
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0
Critical hours	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0
Indicator value	0	0	0	0.9	0.9	0.9	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

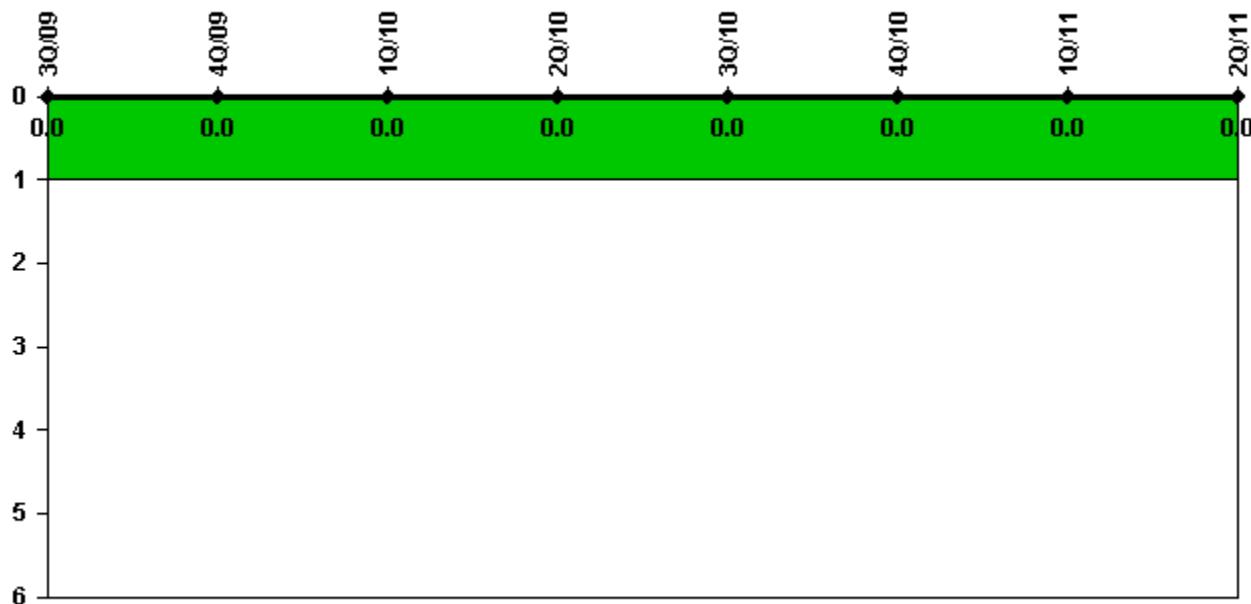
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	1.0	0	0	0	0	0	2.0
Critical hours	2208.0	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0
Indicator value	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>1.6</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

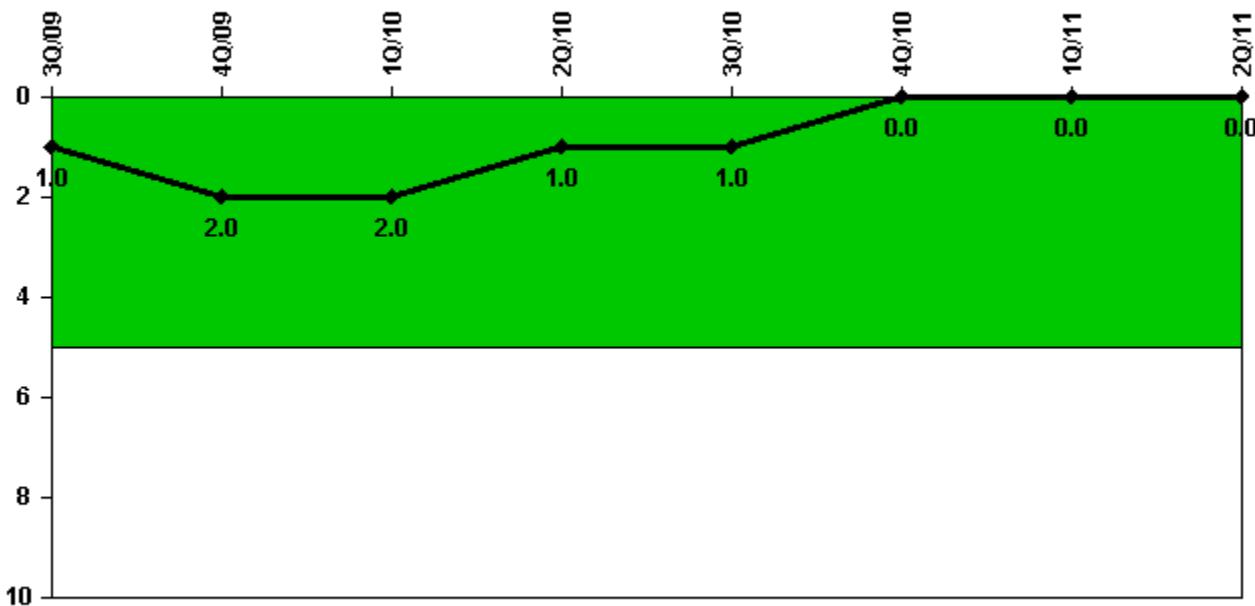
### Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

---

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	1	2	2	1	1	0	0	0

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



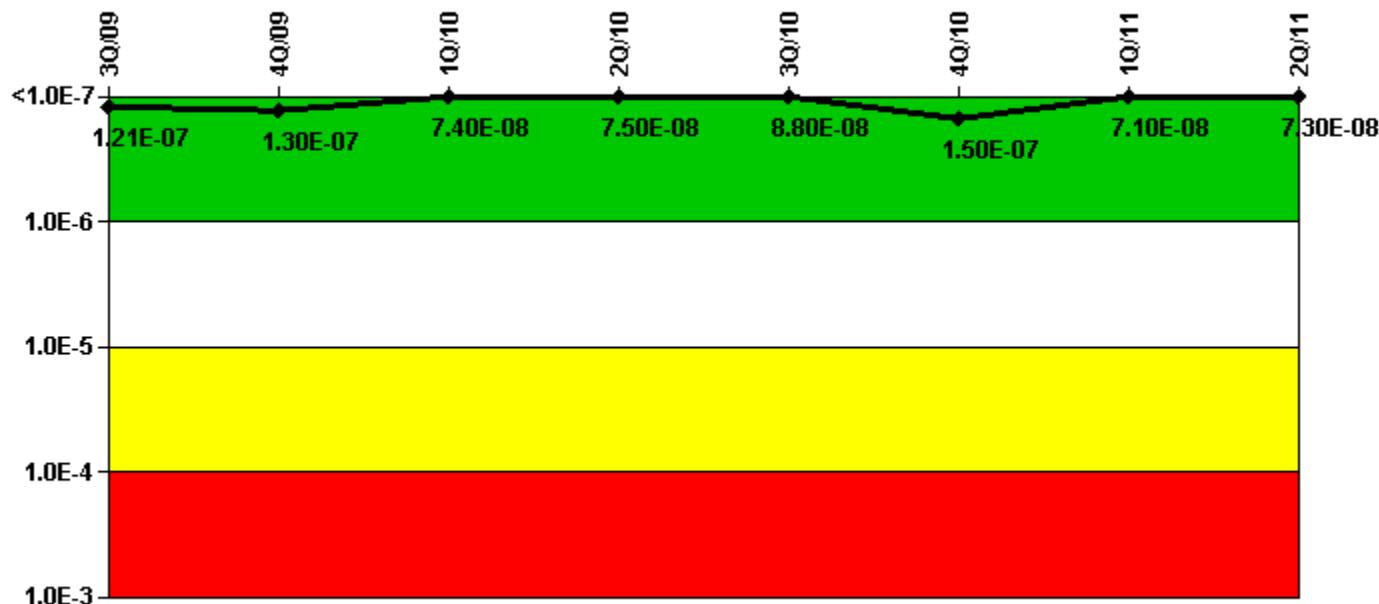
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	6.00E-07	8.10E-07	5.71E-07	5.73E-07	5.59E-07	5.17E-07	-8.14E-09	-8.14E-09
URI ( $\Delta$ CDF)	-7.30E-07	-7.30E-07	-7.31E-07	-7.31E-07	-7.31E-07	-7.29E-07	-7.29E-07	-7.29E-07
PLE	NO							
Indicator value	-1.30E-07	8.00E-08	-1.60E-07	-1.60E-07	-1.70E-07	-2.10E-07	-7.40E-07	-7.40E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



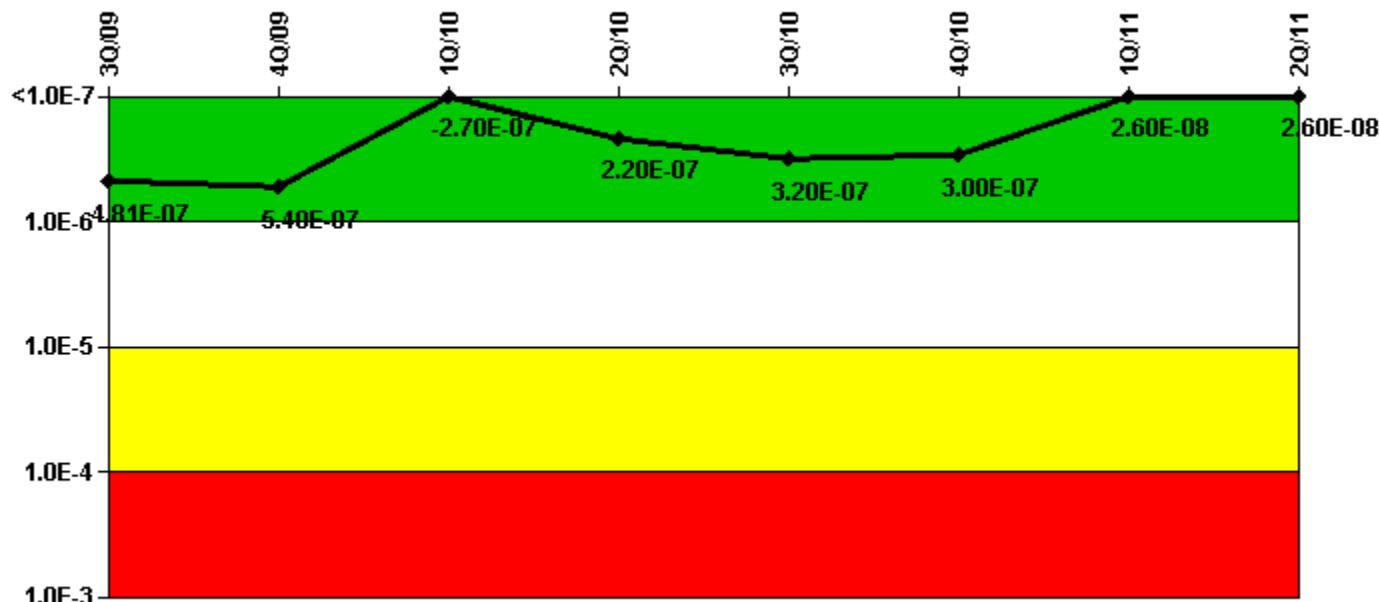
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	9.10E-08	1.00E-07	4.40E-08	4.45E-08	5.85E-08	1.22E-07	4.05E-08	4.30E-08
URI ( $\Delta$ CDF)	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.01E-08	3.01E-08	3.01E-08
PLE	NO							
Indicator value	<b>1.21E-07</b>	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>7.10E-08</b>	<b>7.30E-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

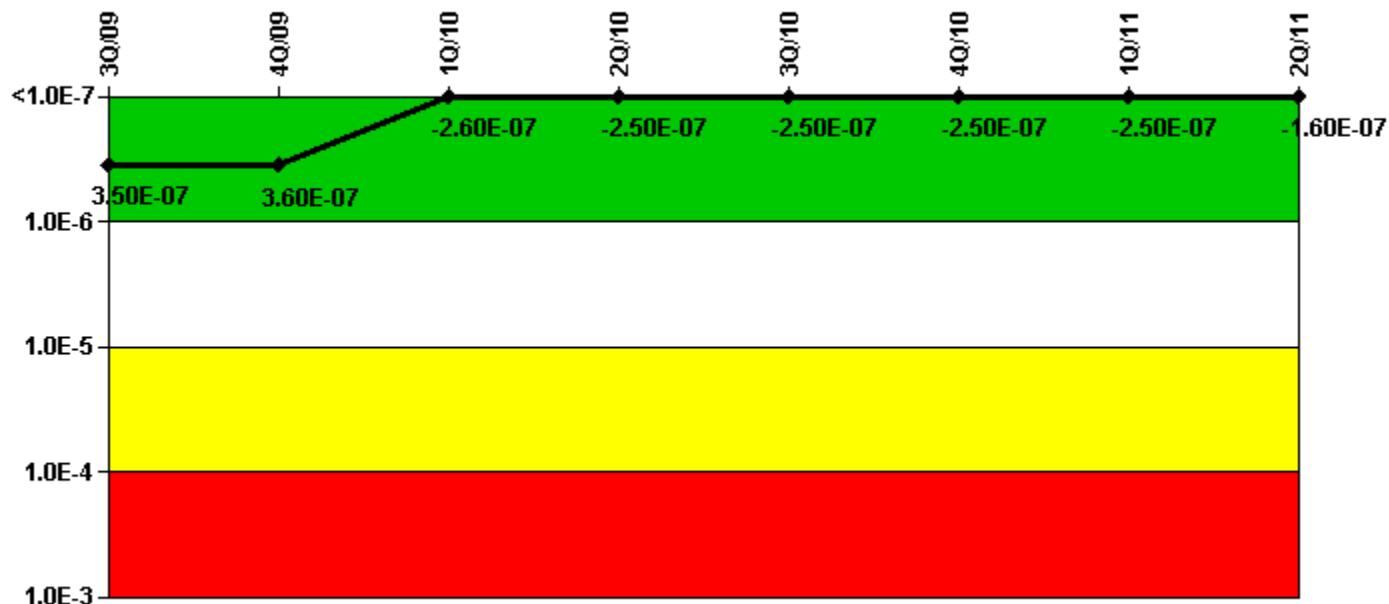
### Notes

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)	5.10E-08	1.10E-07	8.12E-08	7.72E-08	1.77E-07	1.45E-07	-1.27E-07	-1.27E-07
URI ( $\Delta$ CDF)	4.30E-07	4.30E-07	-3.53E-07	1.47E-07	1.47E-07	1.53E-07	1.53E-07	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.81E-07</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>

Licensee Comments:

2Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



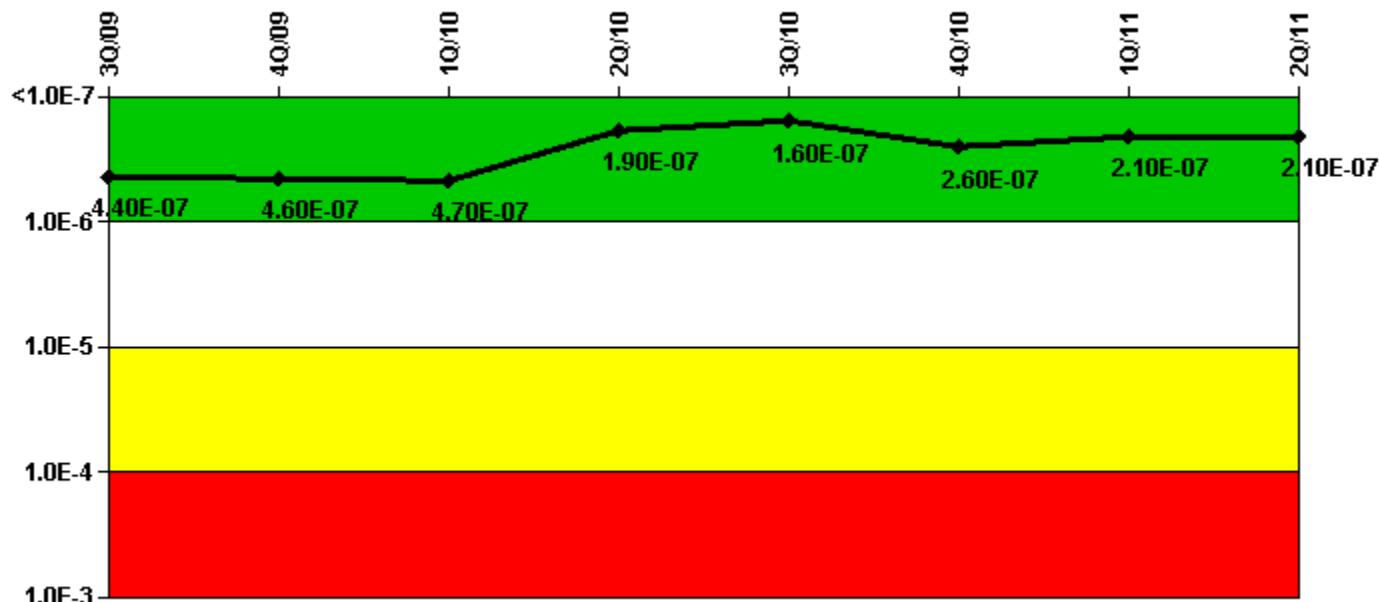
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	3.78E-08	4.88E-08	-6.95E-08	-6.95E-08	-6.95E-08	-6.89E-08	-6.95E-08	2.35E-08
URI ( $\Delta$ CDF)	3.14E-07	3.14E-07	-1.86E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.84E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>3.50E-07</b>	<b>3.60E-07</b>	<b>-2.60E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-1.60E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



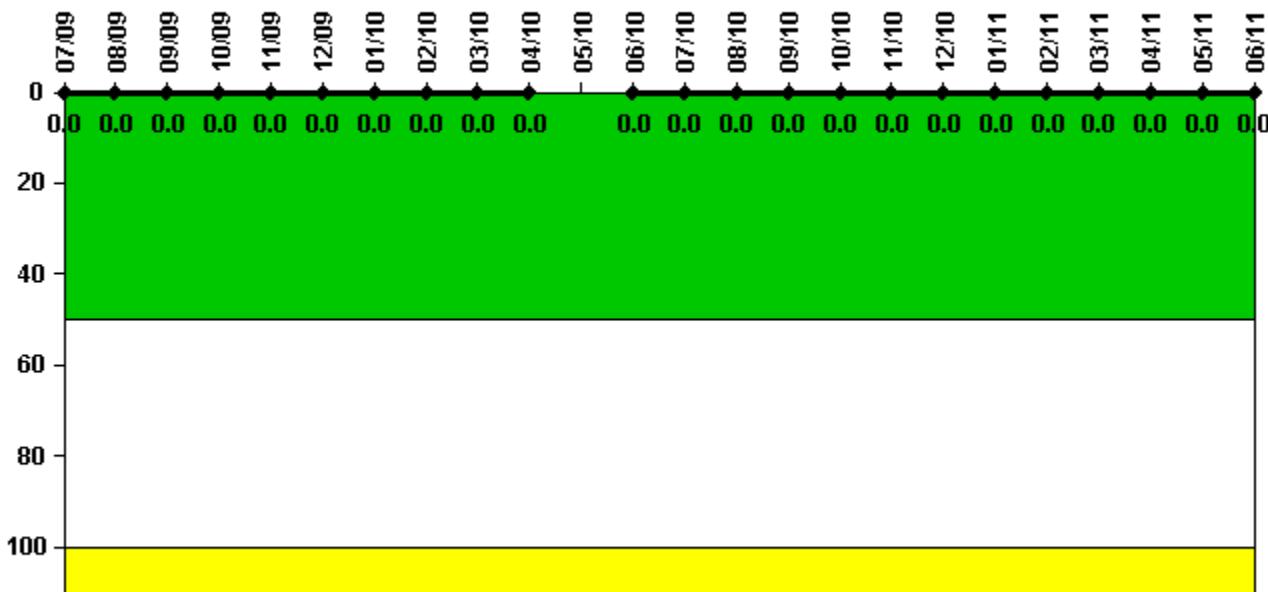
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	8.00E-08	1.00E-07	1.10E-07	1.10E-07	8.81E-08	8.99E-08	4.32E-08	4.28E-08
URI ( $\Delta$ CDF)	3.60E-07	3.60E-07	3.55E-07	8.27E-08	7.35E-08	1.67E-07	1.66E-07	1.64E-07
PLE	NO							
<b>Indicator value</b>	<b>4.40E-07</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>	<b>1.60E-07</b>	<b>2.60E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



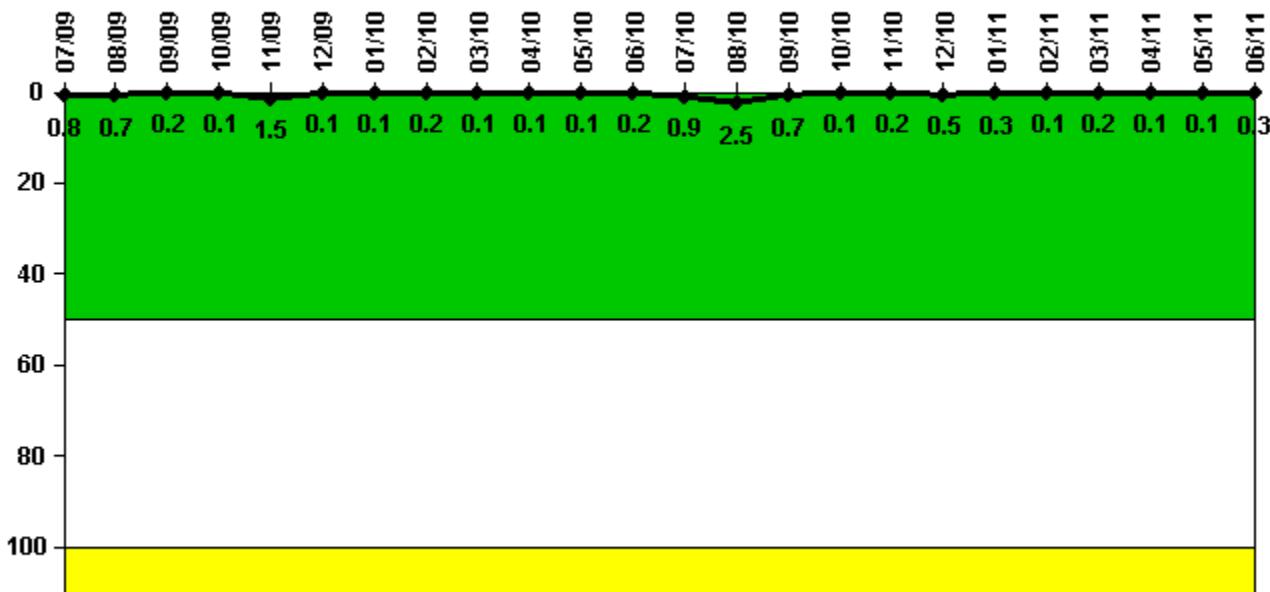
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000042	0.000046	0.000051	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059	0.000050	N/A	0.000041
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	N/A	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	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



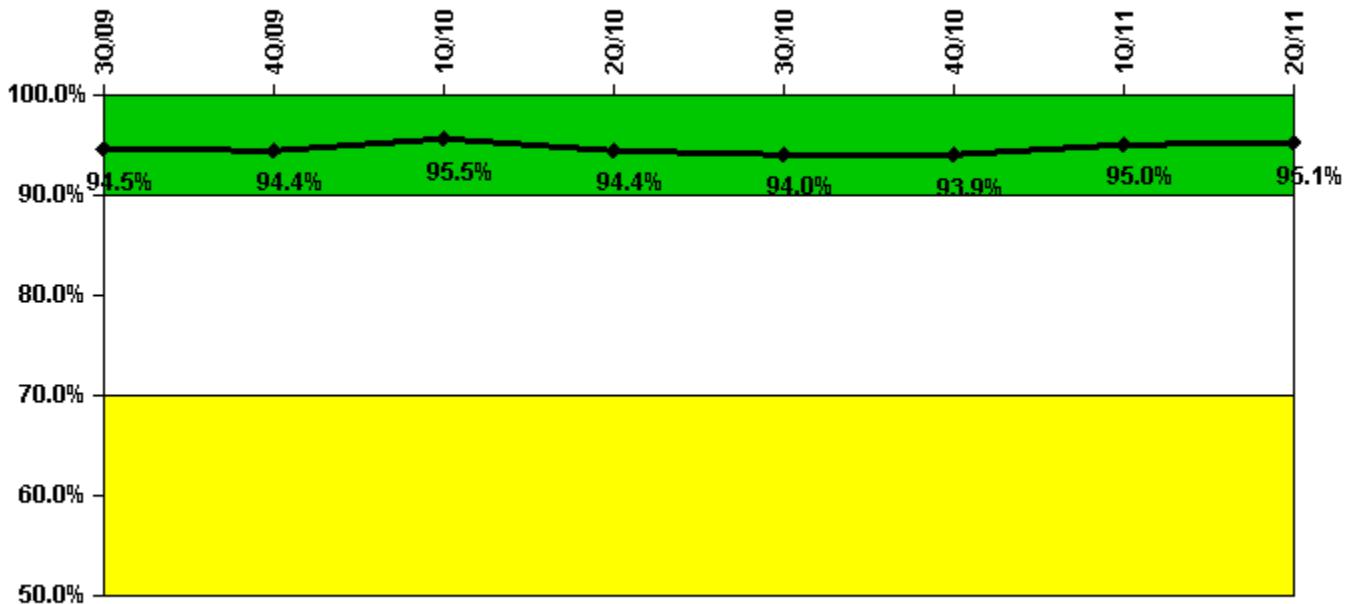
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>7/09</b>	<b>8/09</b>	<b>9/09</b>	<b>10/09</b>	<b>11/09</b>	<b>12/09</b>	<b>1/10</b>	<b>2/10</b>	<b>3/10</b>	<b>4/10</b>	<b>5/10</b>	<b>6/10</b>
Maximum leakage	0.079	0.070	0.015	0.014	0.150	0.012	0.014	0.015	0.011	0.005	0.012	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.8</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>
<b>Reactor Coolant System Leakage</b>	<b>7/10</b>	<b>8/10</b>	<b>9/10</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>
Maximum leakage	0.088	0.253	0.070	0.014	0.019	0.054	0.027	0.010	0.016	0.014	0.014	0.026
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

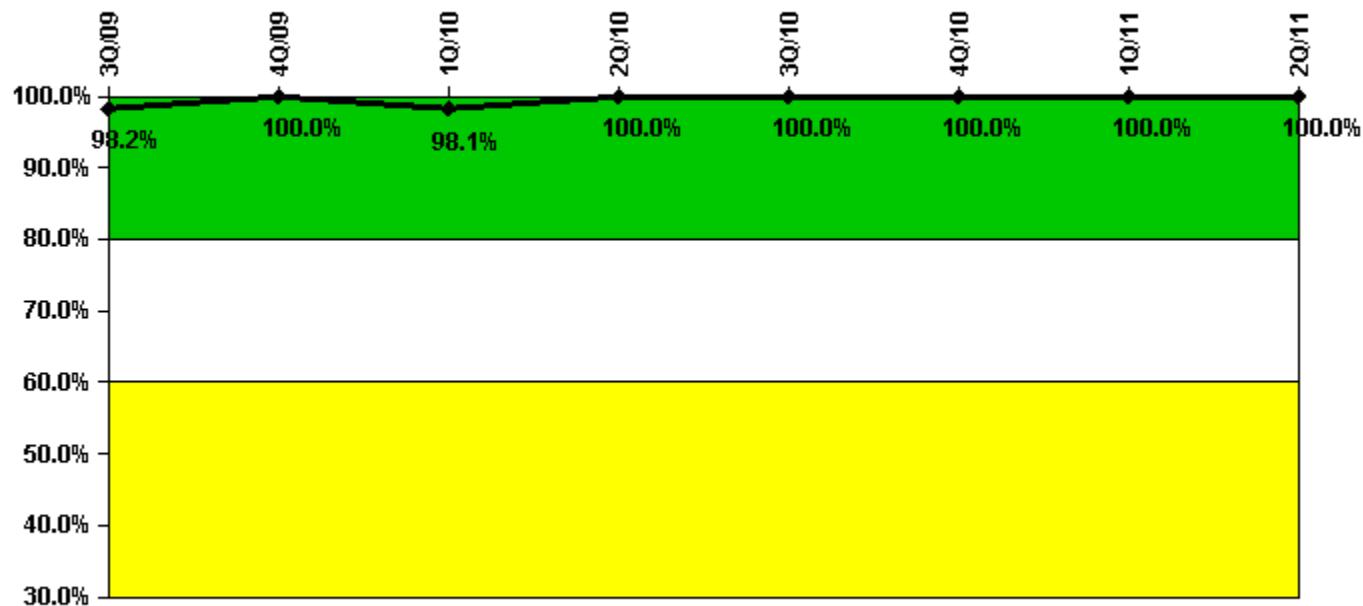
### Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	15.0	30.0	21.0	20.0	14.0	11.0	43.0	59.0
Total opportunities	15.0	31.0	22.0	23.0	15.0	11.0	46.0	61.0
<b>Indicator value</b>	<b>94.5%</b>	<b>94.4%</b>	<b>95.5%</b>	<b>94.4%</b>	<b>94.0%</b>	<b>93.9%</b>	<b>95.0%</b>	<b>95.1%</b>

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

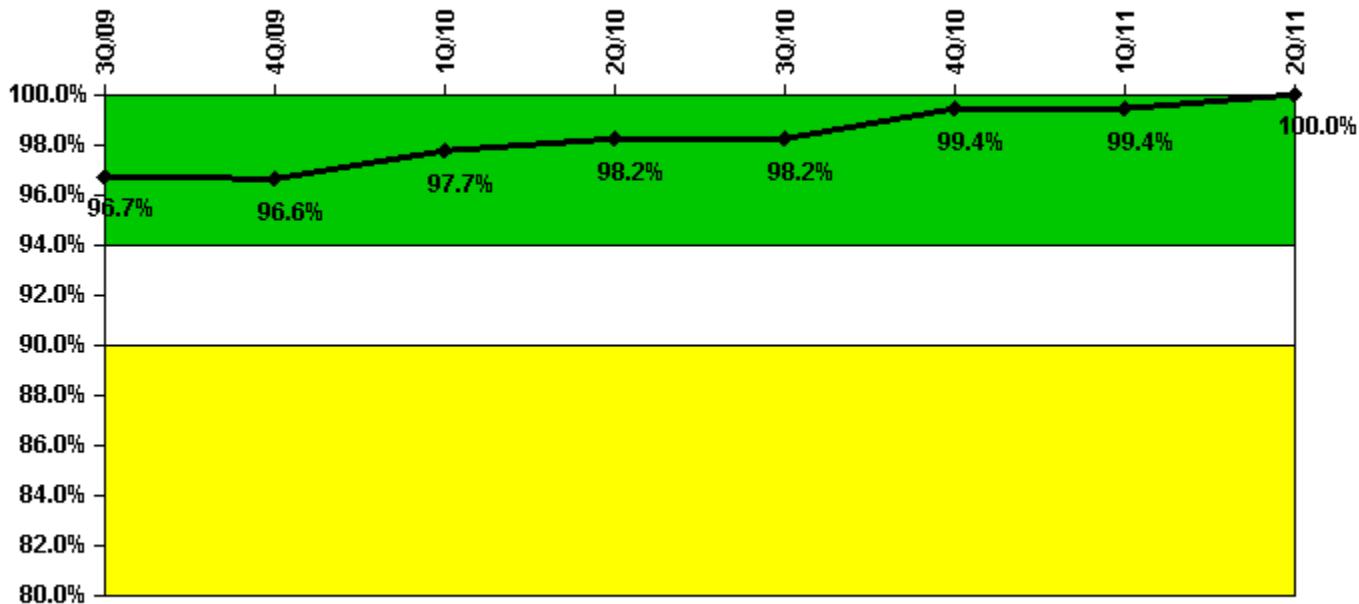
### Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	111.0	110.0	102.0	105.0	113.0	114.0	124.0	122.0
Total Key personnel	113.0	110.0	104.0	105.0	113.0	114.0	124.0	122.0
Indicator value	<b>98.2%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</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



Thresholds: White < 94.0% Yellow < 90.0%

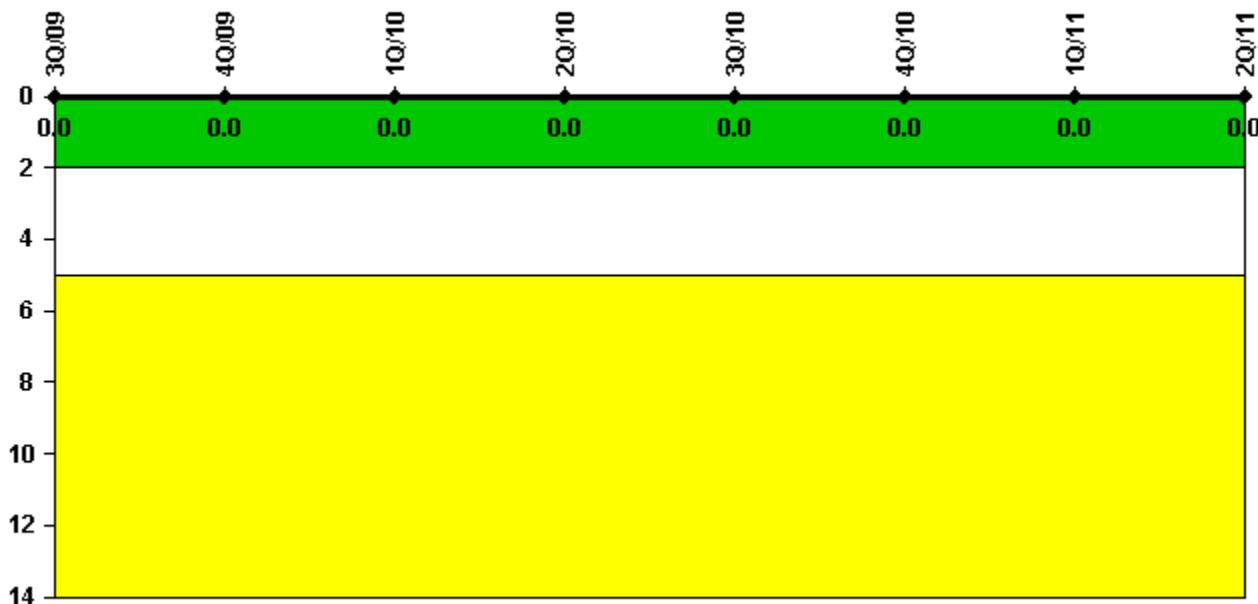
### Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	45	40	42	38	42	42	39	42
Total sirens-tests	45	42	42	39	42	42	39	42
<b>Indicator value</b>	<b>96.7%</b>	<b>96.6%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



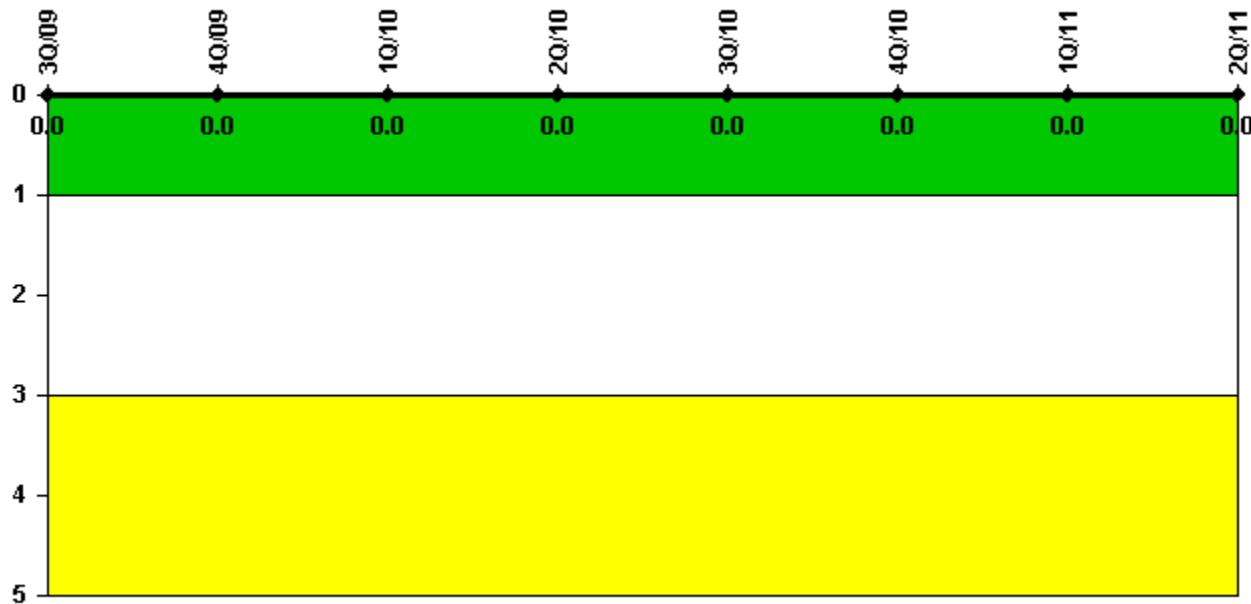
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	3Q/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.

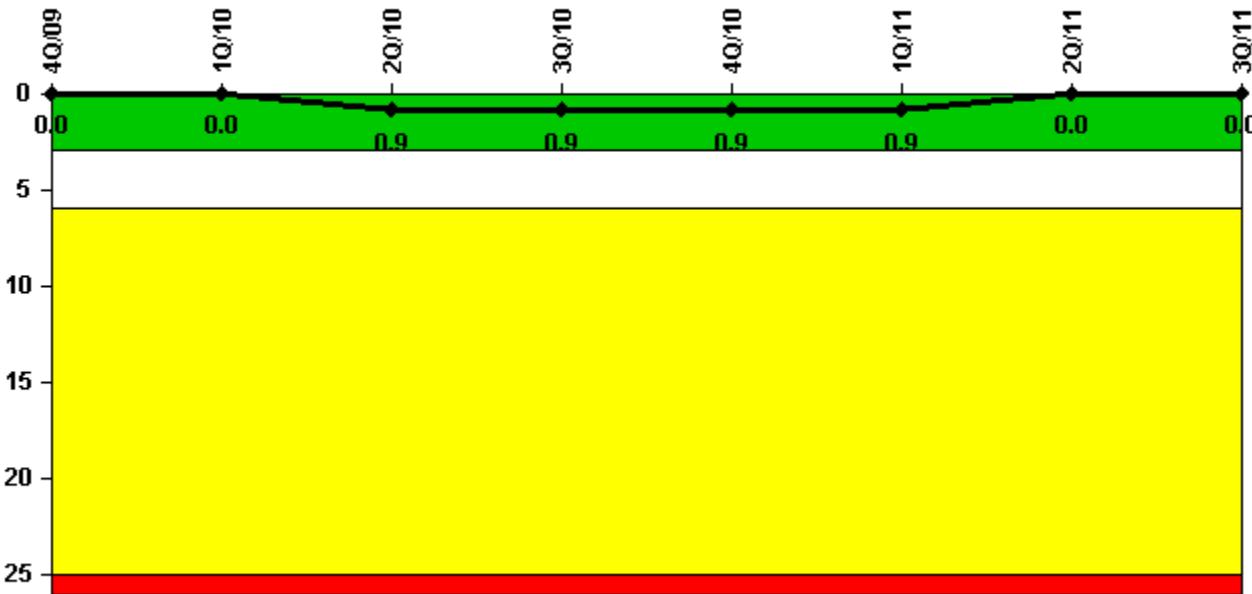
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# Farley 2

## 3Q/2011 Performance Indicators

Licensee's General Comments: May 2011 NRC inspection all DEP and Key ERO participation credit resulting from an ENN Communicator JPM has been removed from June 2011 back through July of 2010.

### Unplanned Scrams per 7000 Critical Hrs



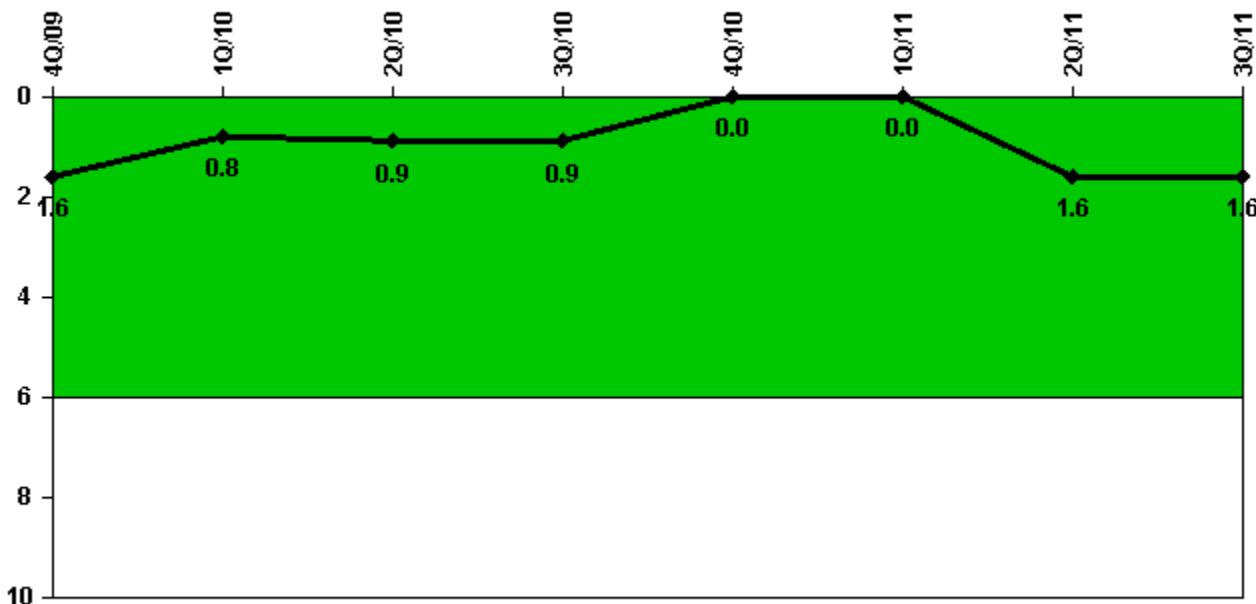
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0
Critical hours	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0
Indicator value	0	0	0.9	0.9	0.9	0.9	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

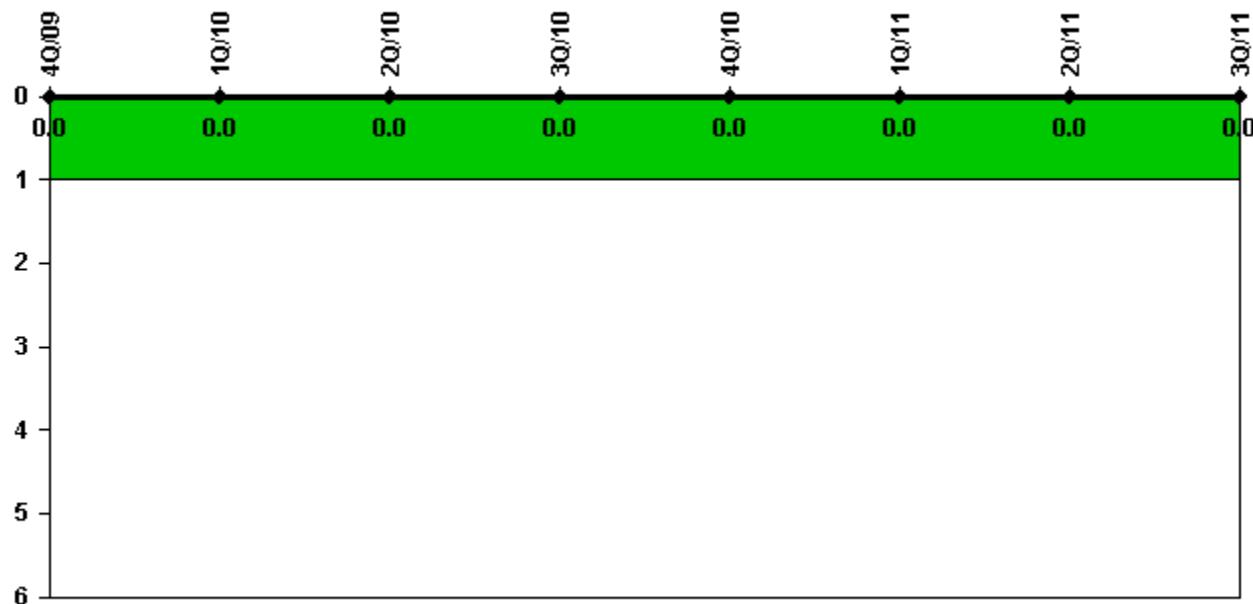
### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	1.0	0	0	0	0	0	2.0	0
Critical hours	2138.0	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0
Indicator value	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>1.6</b>	<b>1.6</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

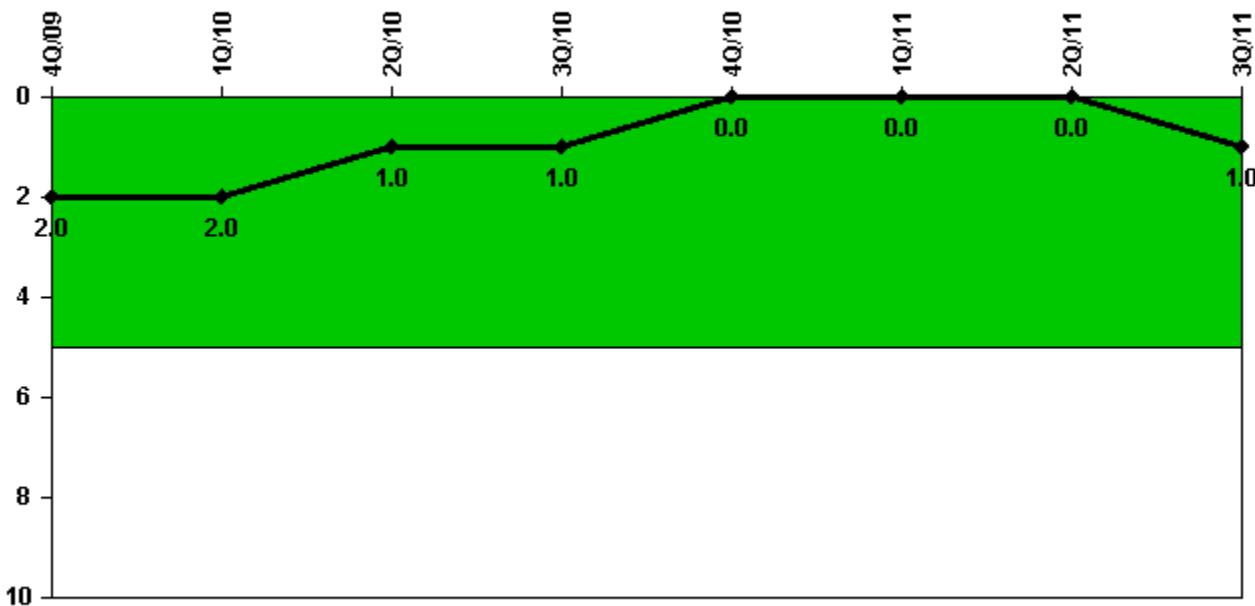
### Notes

Unplanned Scrams with Complications	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 (PWR)



Thresholds: White > 5.0

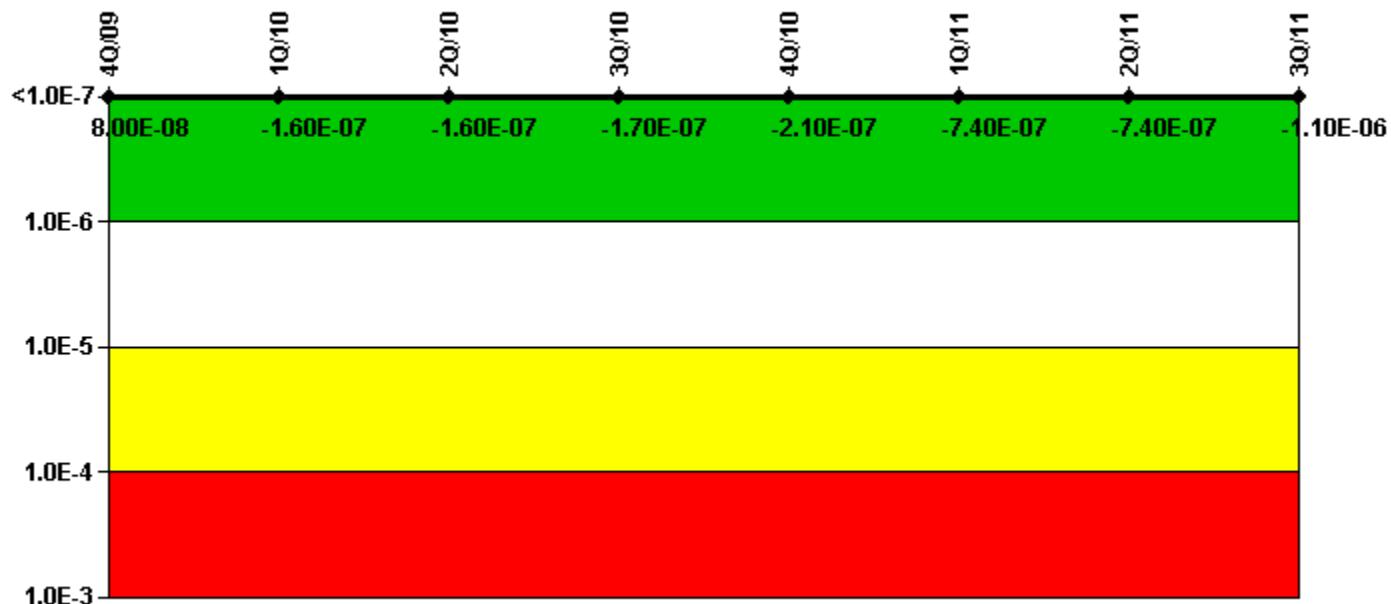
### Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	1	0	0	0	0	0	0	1
Indicator value	2	2	1	1	0	0	0	1

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



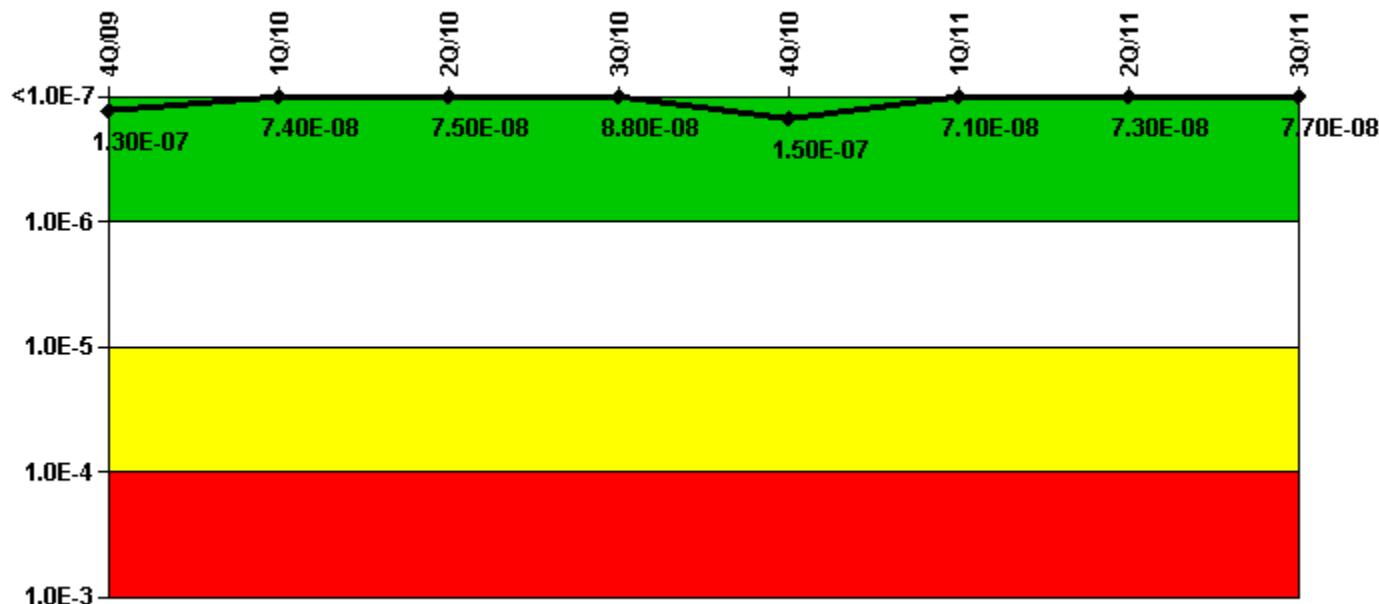
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	8.10E-07	5.71E-07	5.73E-07	5.59E-07	5.17E-07	-8.14E-09	-8.14E-09	-9.41E-08
URI ( $\Delta$ CDF)	-7.30E-07	-7.31E-07	-7.31E-07	-7.31E-07	-7.29E-07	-7.29E-07	-7.29E-07	-9.97E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>8.00E-08</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



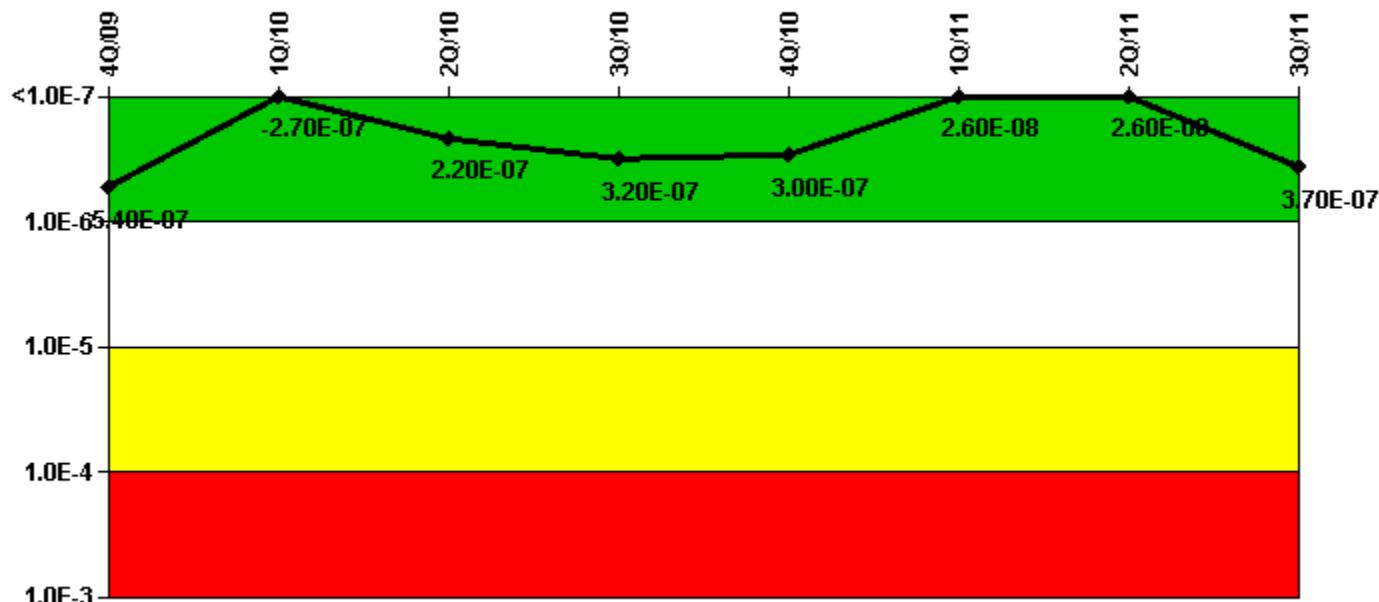
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	1.00E-07	4.40E-08	4.45E-08	5.85E-08	1.22E-07	4.05E-08	4.30E-08	4.69E-08
URI ( $\Delta$ CDF)	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08
PLE	NO							
Indicator value	<b>1.30E-07</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>7.10E-08</b>	<b>7.30E-08</b>	<b>7.70E-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

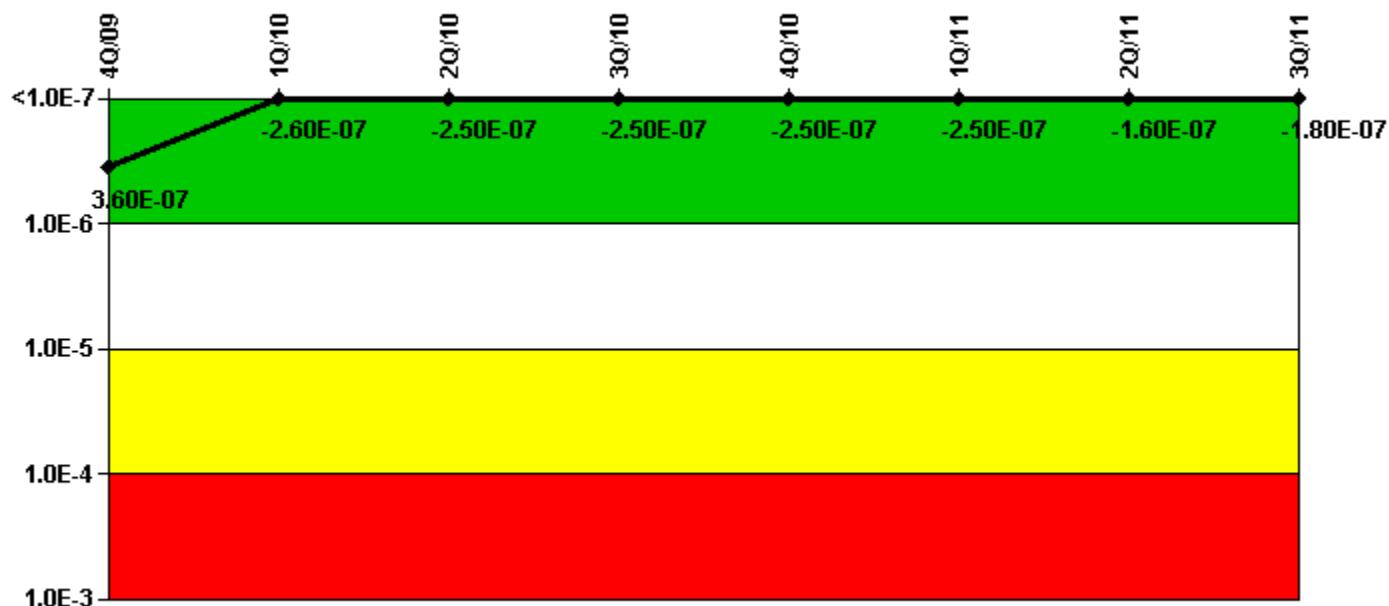
### Notes

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)	1.10E-06	8.12E-08	7.72E-08	1.77E-07	1.45E-07	-1.27E-07	-1.27E-07	-9.74E-08
URI ( $\Delta$ CDF)	4.30E-07	-3.53E-07	1.47E-07	1.47E-07	1.53E-07	1.53E-07	1.53E-07	4.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>5.40E-07</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>

Licensee Comments:

3Q/11: Risk Cap Invoked.

# Mitigating Systems Performance Index, Residual Heat Removal System



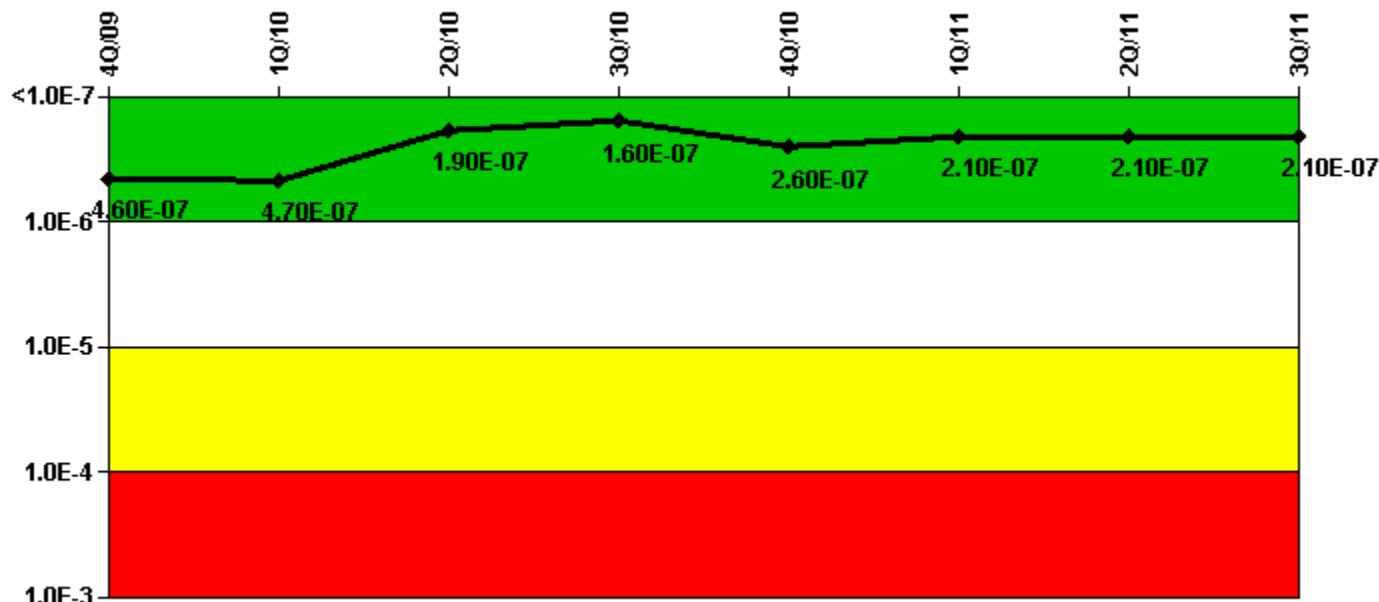
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	4.88E-08	-6.95E-08	-6.95E-08	-6.95E-08	-6.89E-08	-6.95E-08	2.35E-08	4.59E-09
URI ( $\Delta$ CDF)	3.14E-07	-1.86E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.84E-07	-1.84E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.60E-07	-2.60E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-1.60E-07	-1.80E-07

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



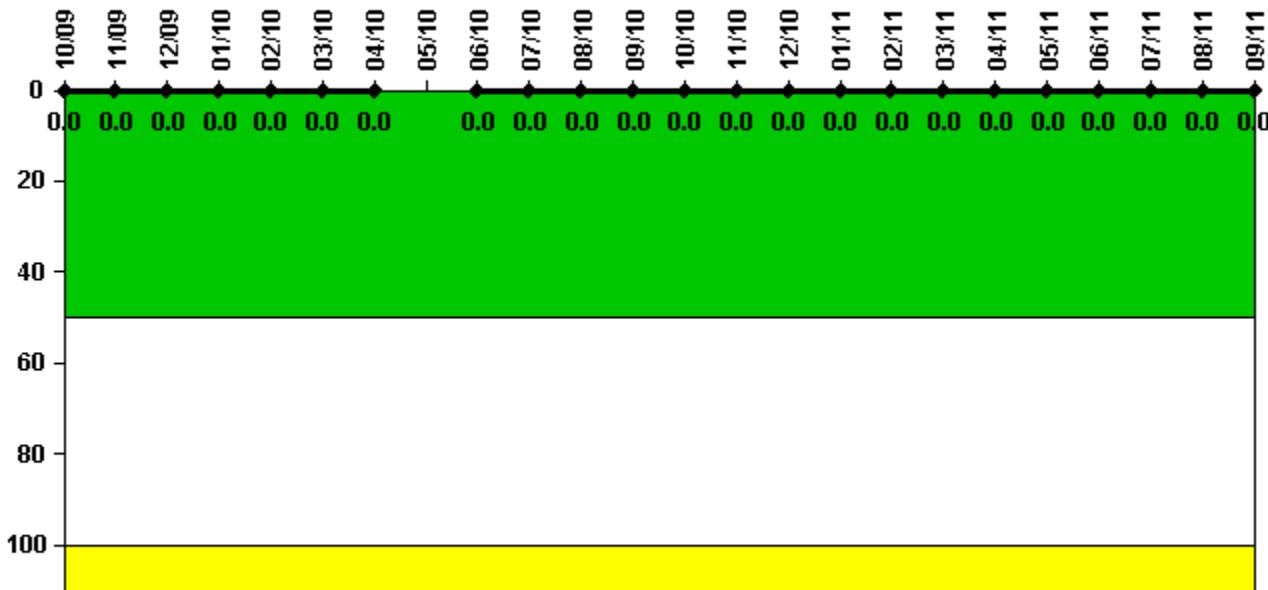
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	1.00E-07	1.10E-07	1.10E-07	8.81E-08	8.99E-08	4.32E-08	4.28E-08	4.28E-08
URI ( $\Delta$ CDF)	3.60E-07	3.55E-07	8.27E-08	7.35E-08	1.67E-07	1.66E-07	1.64E-07	1.64E-07
PLE	NO							
<b>Indicator value</b>	<b>4.60E-07</b>	<b>4.70E-07</b>	<b>1.90E-07</b>	<b>1.60E-07</b>	<b>2.60E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



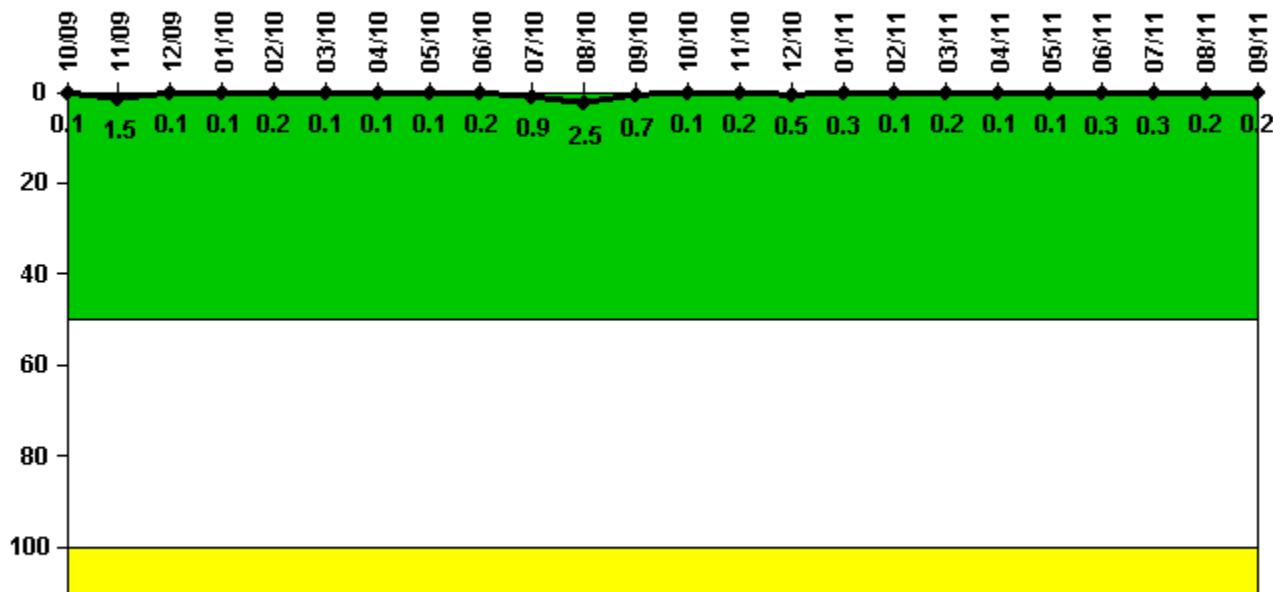
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000052	0.000059	0.000057	0.000058	0.000059	0.000059	0.000050	N/A	0.000041	0.000037	0.000038	0.000042
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	N/A	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	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



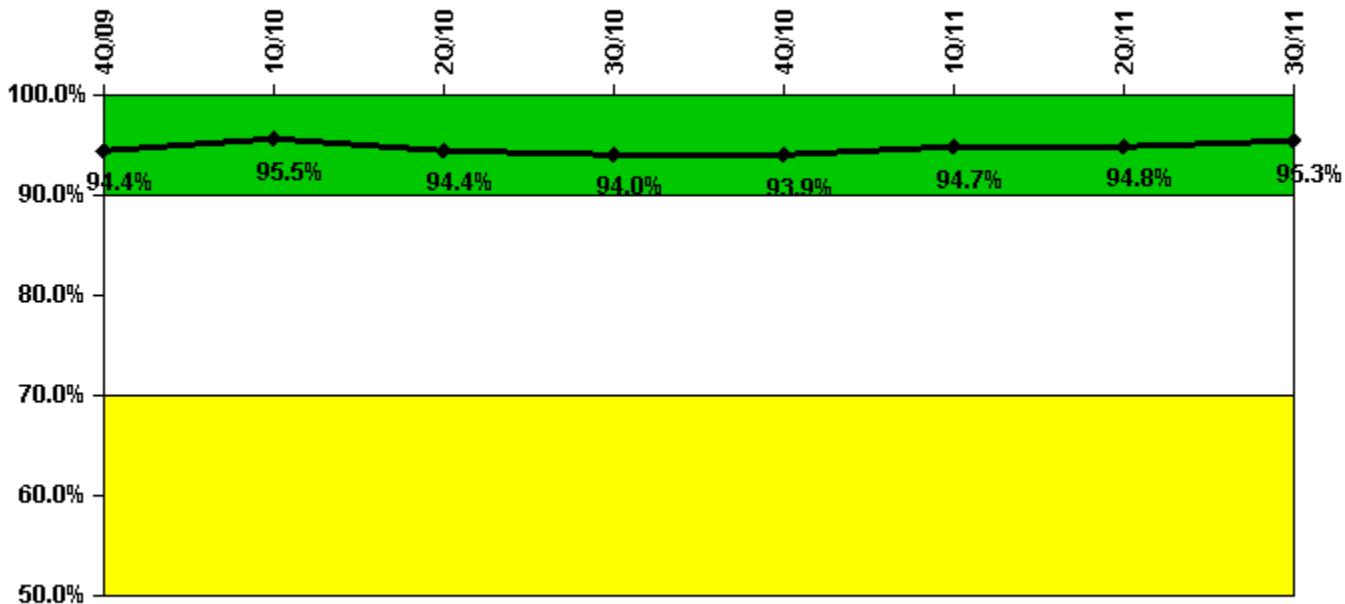
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.014	0.150	0.012	0.014	0.015	0.011	0.005	0.012	0.018	0.088	0.253	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	1.5	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.9	2.5	0.7
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	0.014	0.019	0.054	0.027	0.010	0.016	0.014	0.014	0.026	0.030	0.016	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.5	0.3	0.1	0.2	0.1	0.1	0.3	0.3	0.2	0.2

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

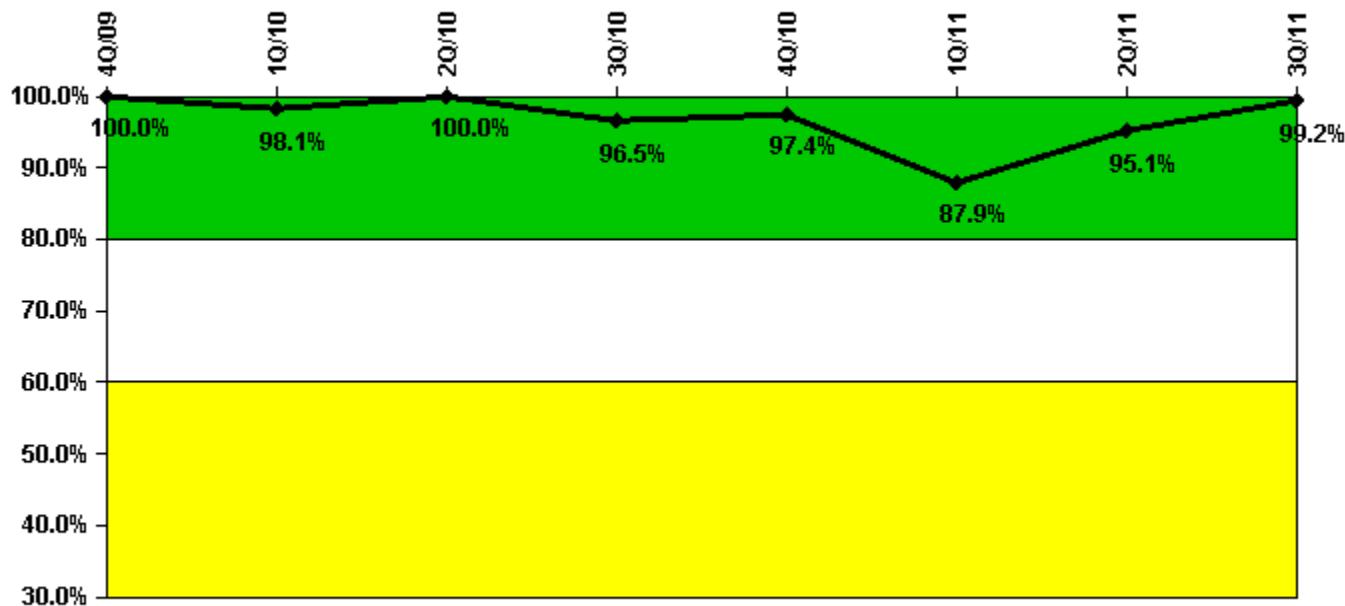
### Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	30.0	21.0	20.0	14.0	11.0	31.0	59.0	55.0
Total opportunities	31.0	22.0	23.0	15.0	11.0	34.0	61.0	56.0
Indicator value	94.4%	95.5%	94.4%	94.0%	93.9%	94.7%	94.8%	95.3%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

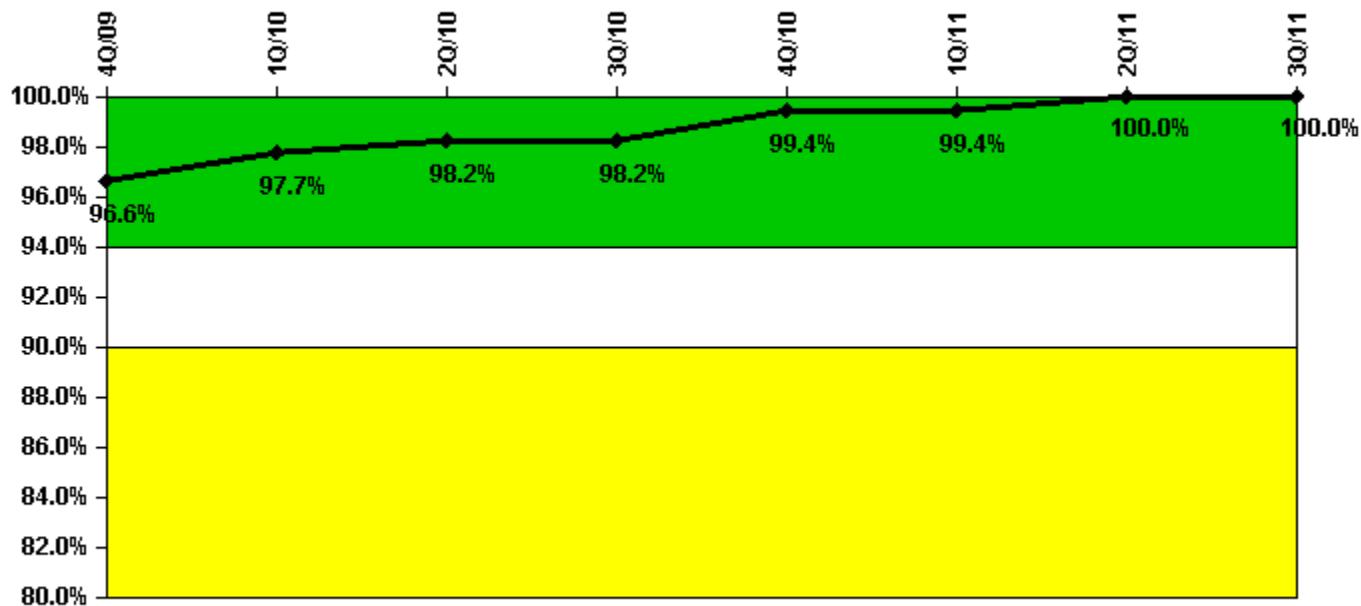
### Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	110.0	102.0	105.0	109.0	111.0	109.0	116.0	128.0
Total Key personnel	110.0	104.0	105.0	113.0	114.0	124.0	122.0	129.0
<b>Indicator value</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>96.5%</b>	<b>97.4%</b>	<b>87.9%</b>	<b>95.1%</b>	<b>99.2%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

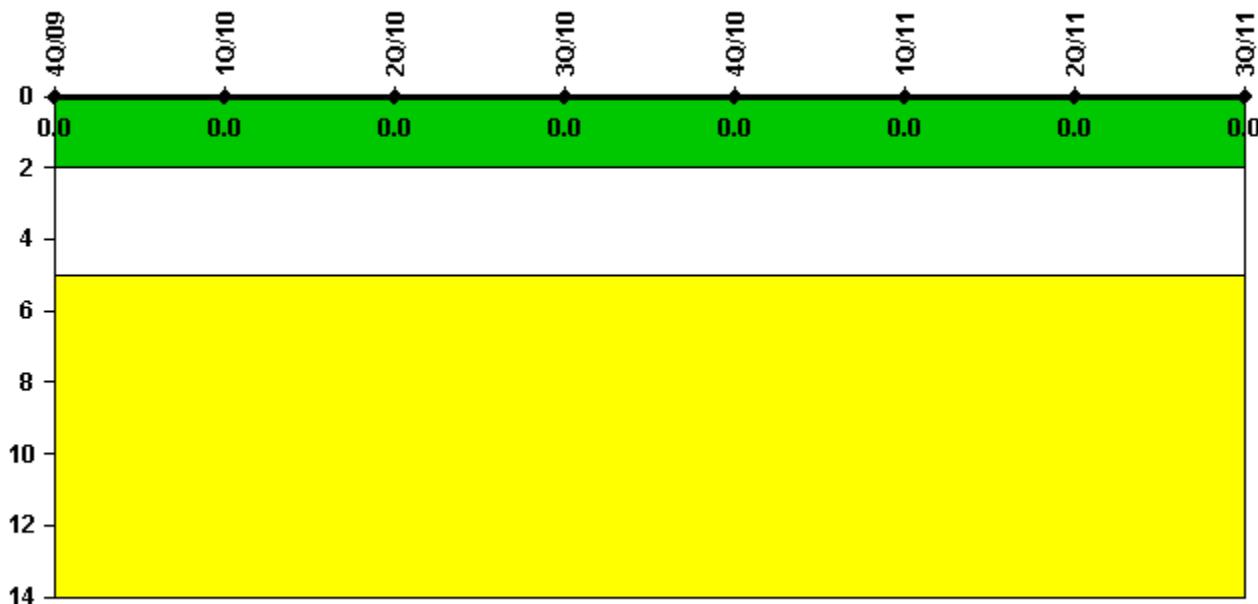
### Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	40	42	38	42	42	39	42	42
Total sirens-tests	42	42	39	42	42	39	42	42
<b>Indicator value</b>	<b>96.6%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



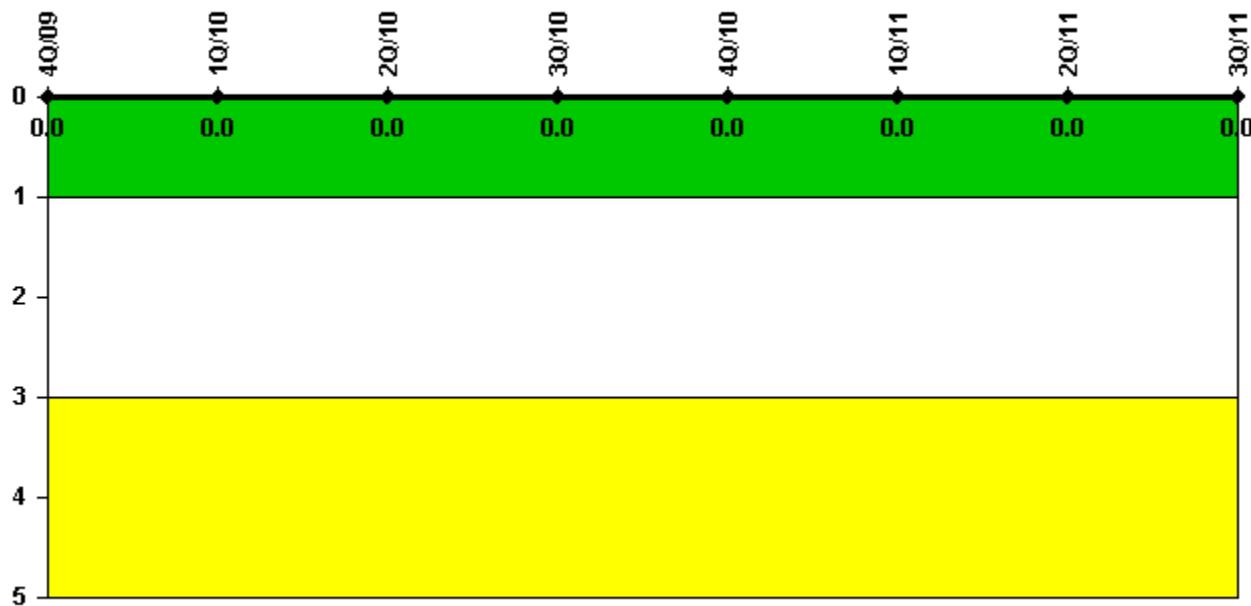
Thresholds: White > 2.0 Yellow > 5.0

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

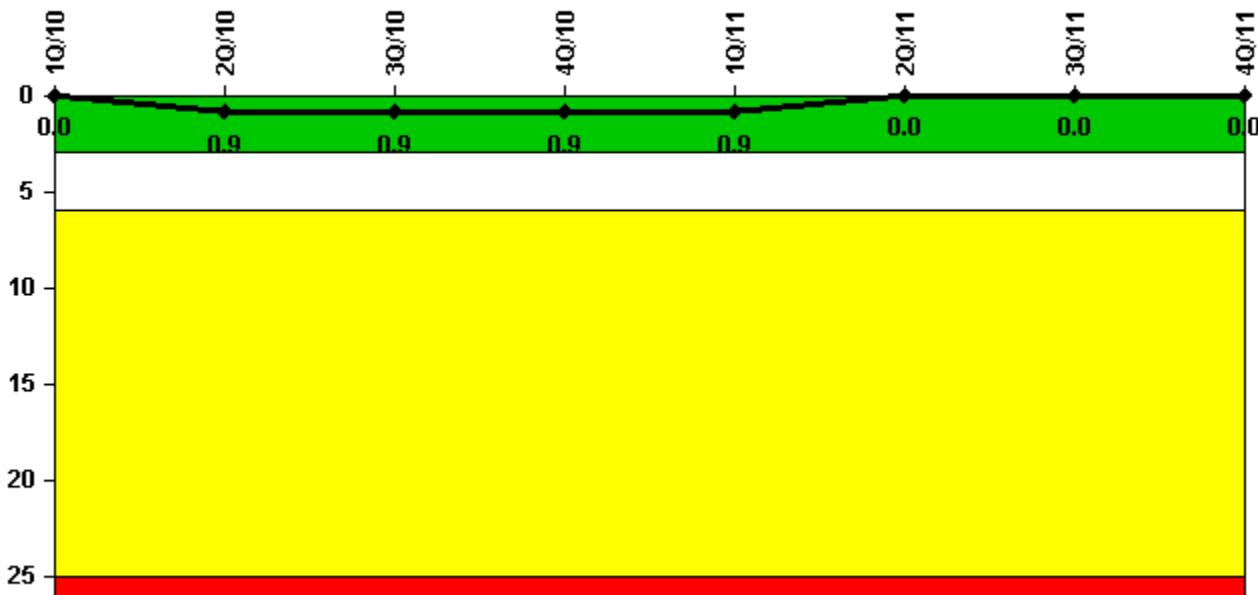
Last Modified: November 29, 2011

# Farley 2

## 4Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



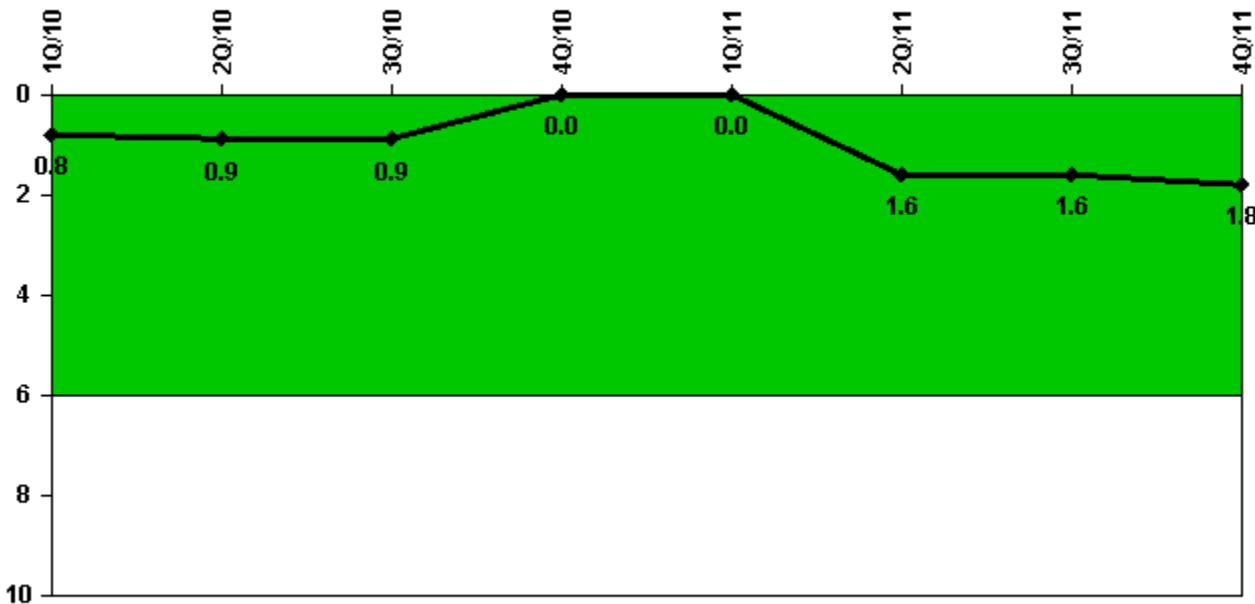
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0	0
Critical hours	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0	1483.2
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

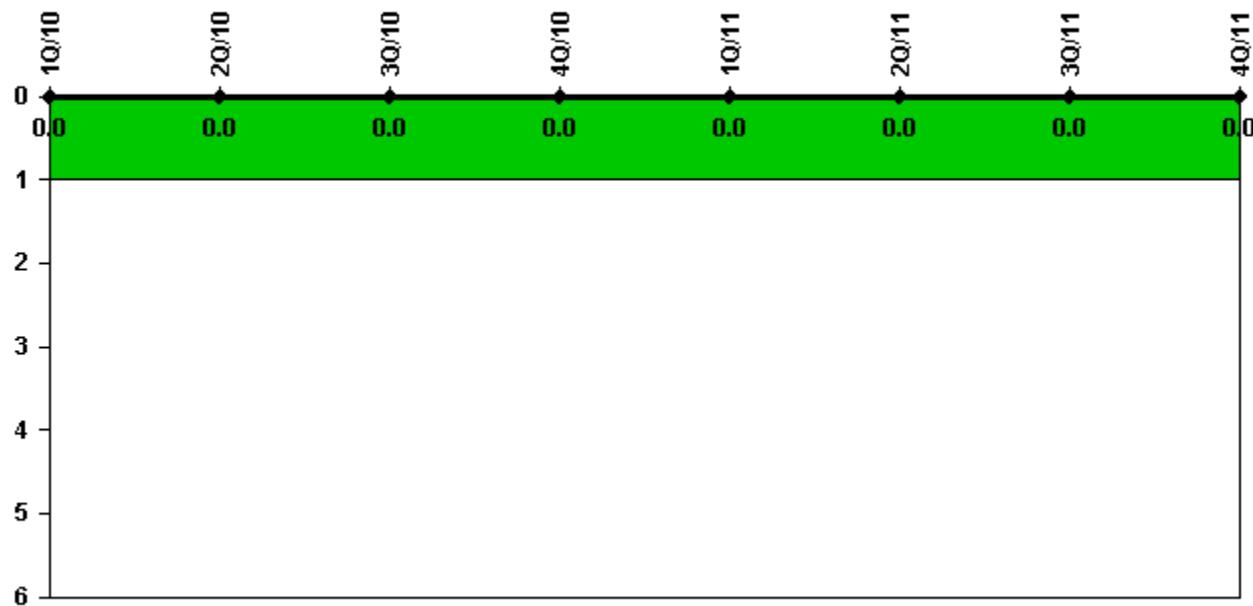
### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2159.0	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0	1483.2
Indicator value	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

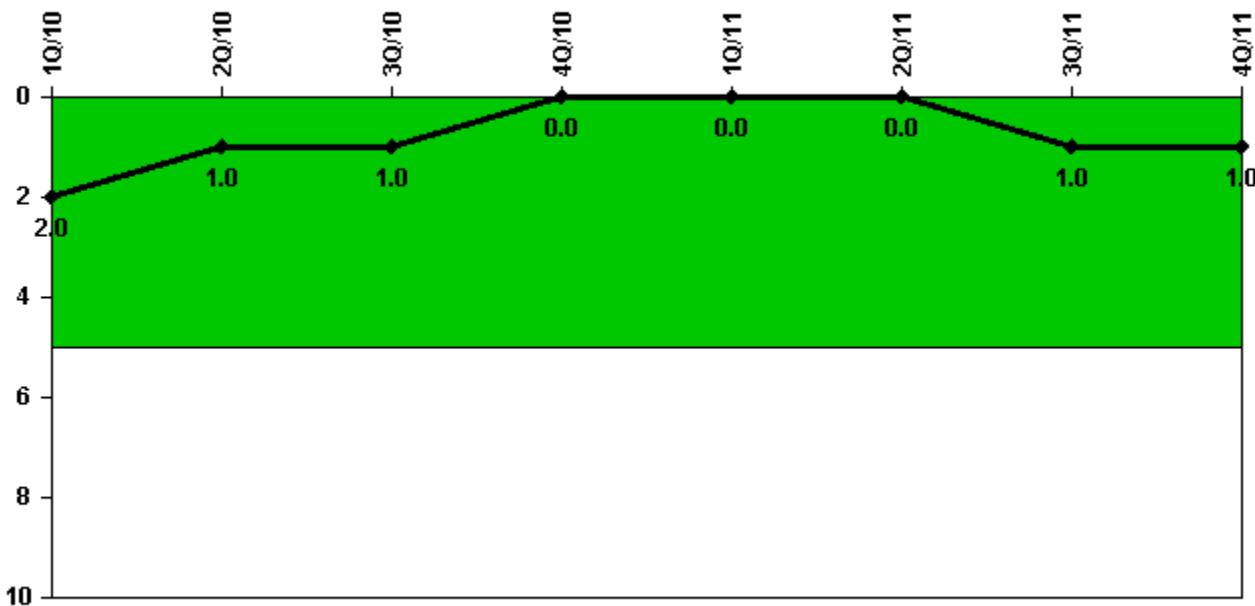
### Notes

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 (PWR)



Thresholds: White > 5.0

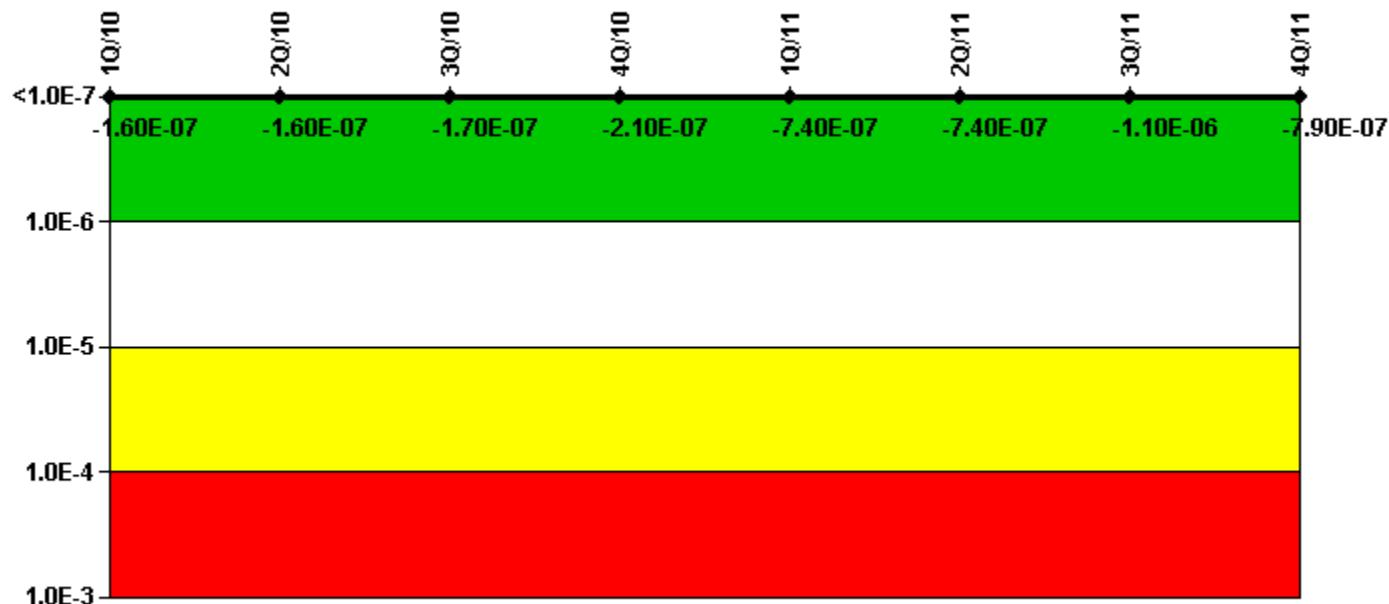
### Notes

Safety System Functional Failures (PWR)	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	1	0
Indicator value	2	1	1	0	0	0	1	1

Licensee Comments: none

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## Mitigating Systems Performance Index, Emergency AC Power System



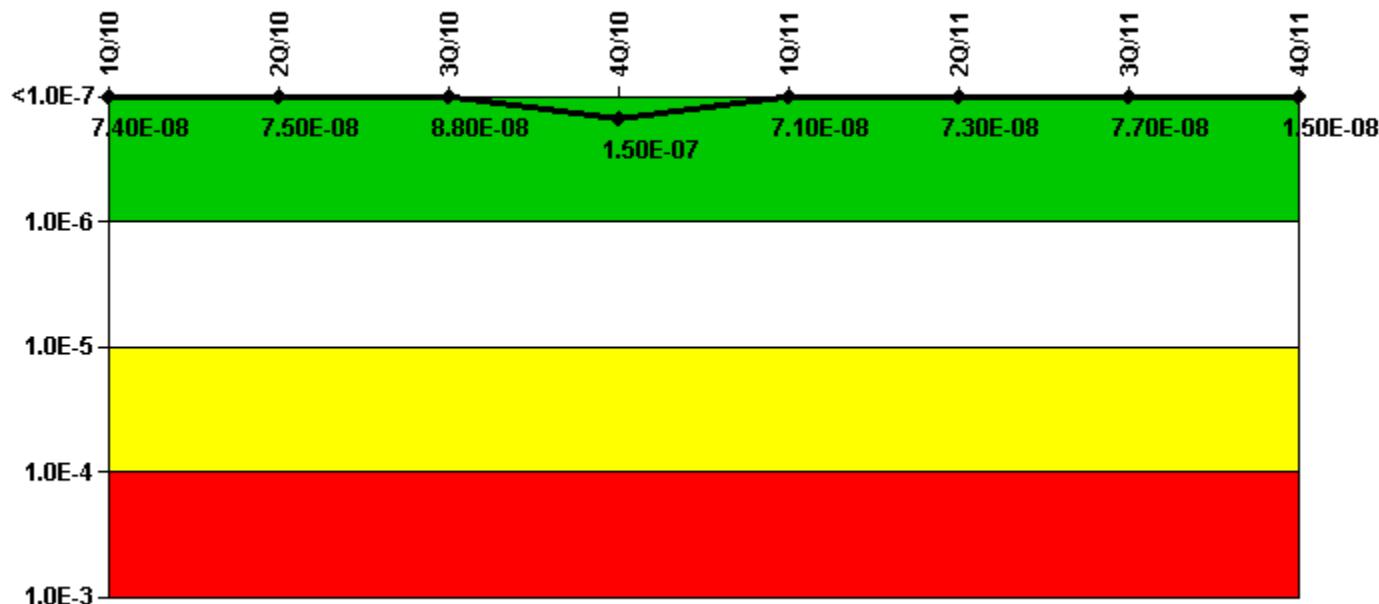
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	5.71E-07	5.73E-07	5.59E-07	5.17E-07	-8.14E-09	-8.14E-09	-9.41E-08	-6.57E-08
URI ( $\Delta$ CDF)	-7.31E-07	-7.31E-07	-7.31E-07	-7.29E-07	-7.29E-07	-7.29E-07	-9.97E-07	-7.21E-07
PLE	NO							
Indicator value	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



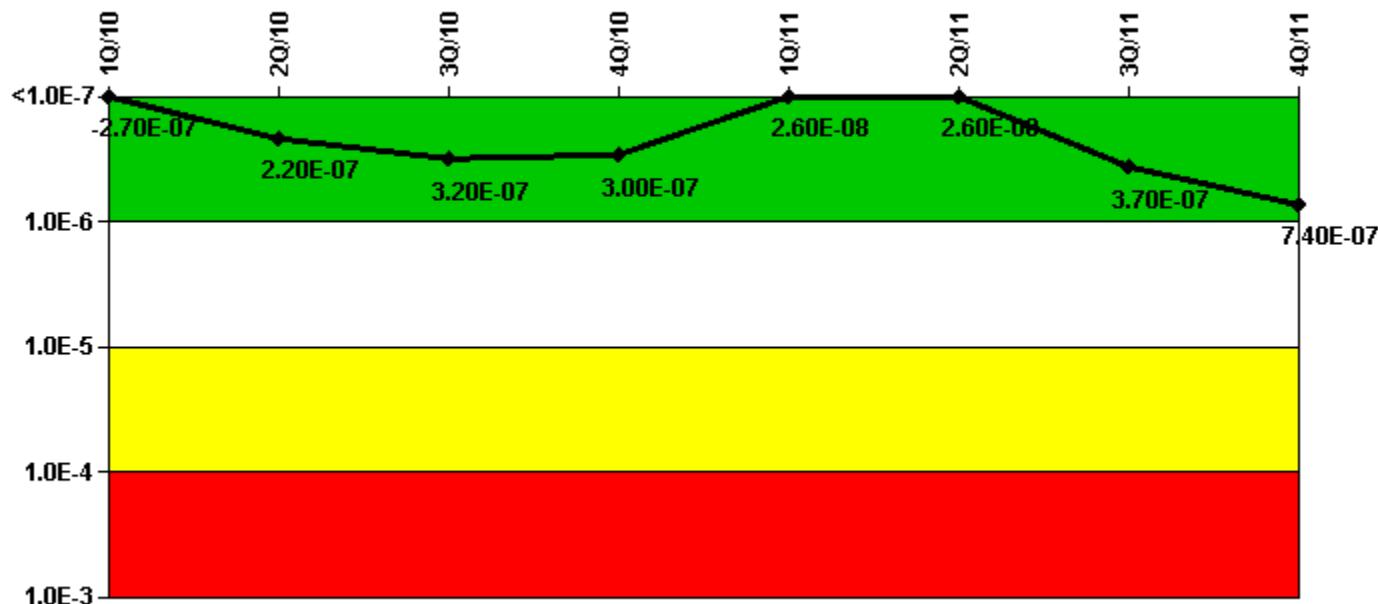
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	4.40E-08	4.45E-08	5.85E-08	1.22E-07	4.05E-08	4.30E-08	4.69E-08	-1.48E-08
URI ( $\Delta$ CDF)	3.00E-08	3.00E-08	3.00E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08
PLE	NO							
<b>Indicator value</b>	<b>7.40E-08</b>	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>7.10E-08</b>	<b>7.30E-08</b>	<b>7.70E-08</b>	<b>1.50E-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

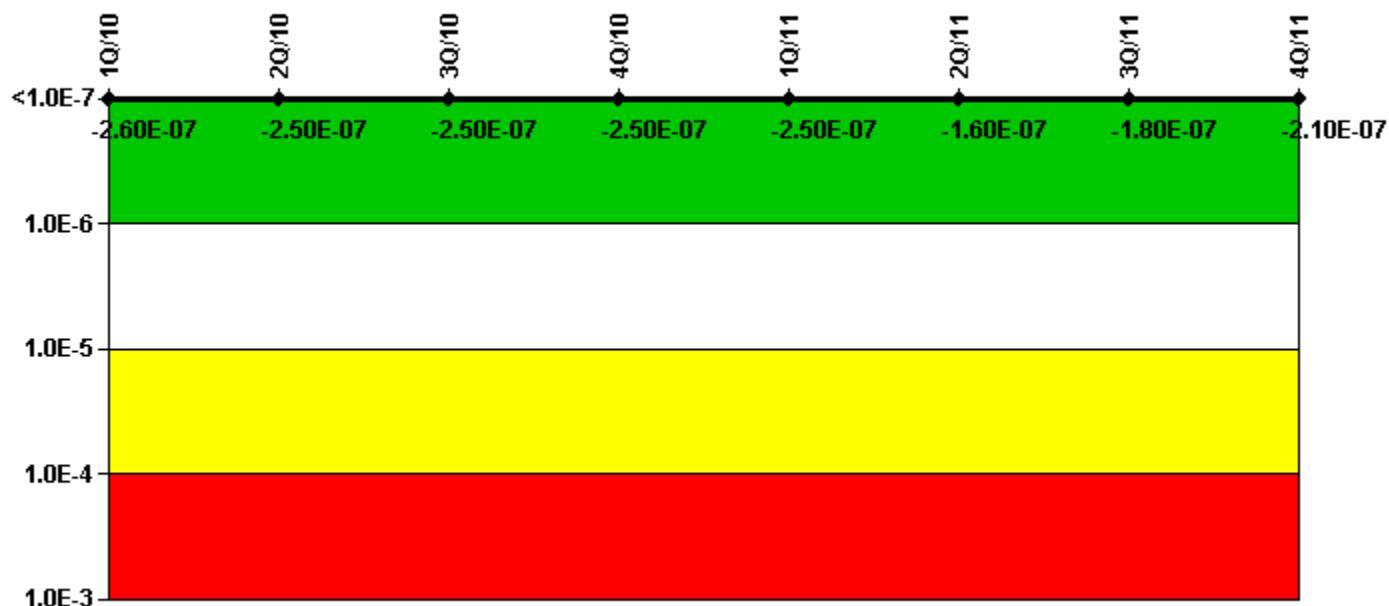
### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	8.12E-08	7.72E-08	1.77E-07	1.45E-07	-1.27E-07	-1.27E-07	-9.74E-08	-3.15E-08
URI ( $\Delta$ CDF)	-3.53E-07	1.47E-07	1.47E-07	1.53E-07	1.53E-07	1.53E-07	4.63E-07	7.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-2.70E-07</b>	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>	<b>7.40E-07</b>

Licensee Comments:

4Q/11: Risk Cap Invoked.

# Mitigating Systems Performance Index, Residual Heat Removal System



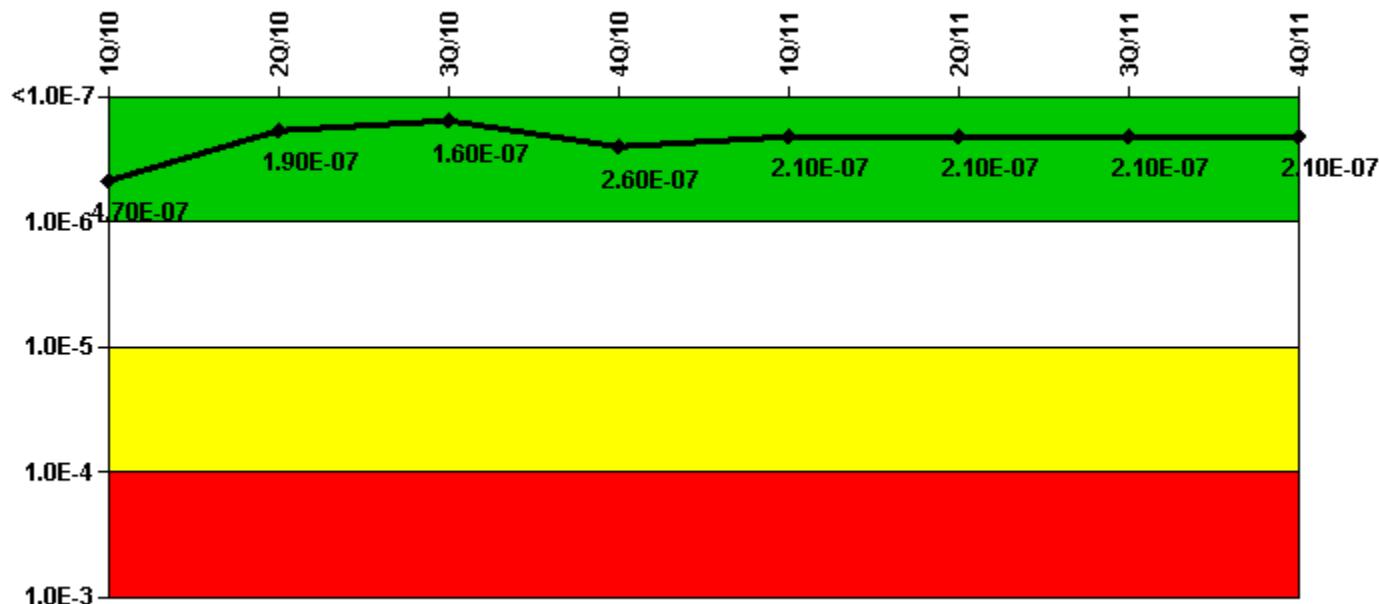
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-6.95E-08	-6.95E-08	-6.95E-08	-6.89E-08	-6.95E-08	2.35E-08	4.59E-09	-2.61E-08
URI ( $\Delta$ CDF)	-1.86E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.84E-07	-1.84E-07	-1.84E-07
PLE	NO							
Indicator value	<b>-2.60E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



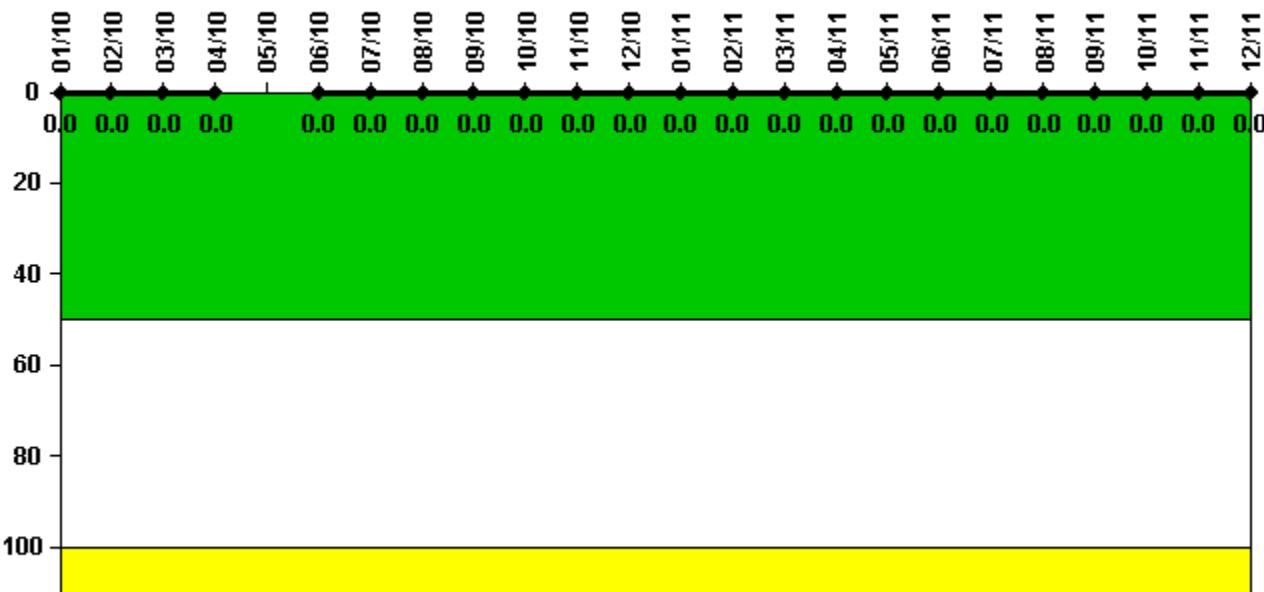
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	1.10E-07	1.10E-07	8.81E-08	8.99E-08	4.32E-08	4.28E-08	4.28E-08	4.25E-08
URI ( $\Delta$ CDF)	3.55E-07	8.27E-08	7.35E-08	1.67E-07	1.66E-07	1.64E-07	1.64E-07	1.64E-07
PLE	NO							
Indicator value	4.70E-07	1.90E-07	1.60E-07	2.60E-07	2.10E-07	2.10E-07	2.10E-07	2.10E-07

Licensee Comments: none

## Reactor Coolant System Activity



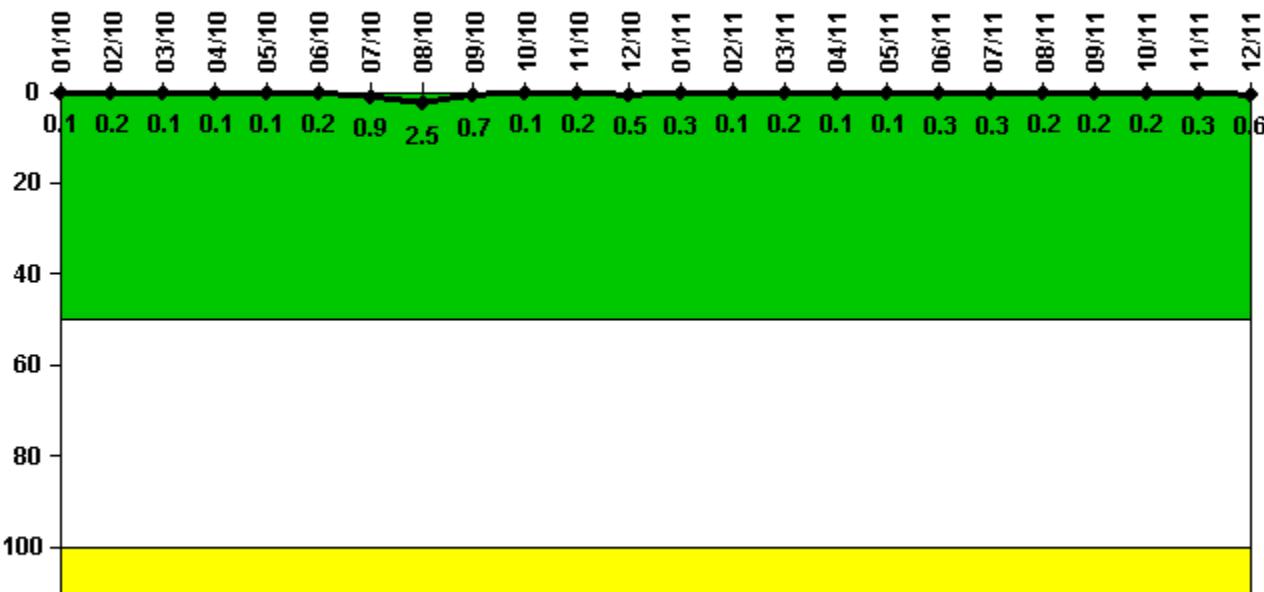
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000058	0.000059	0.000059	0.000050	N/A	0.000041	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	N/A	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	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



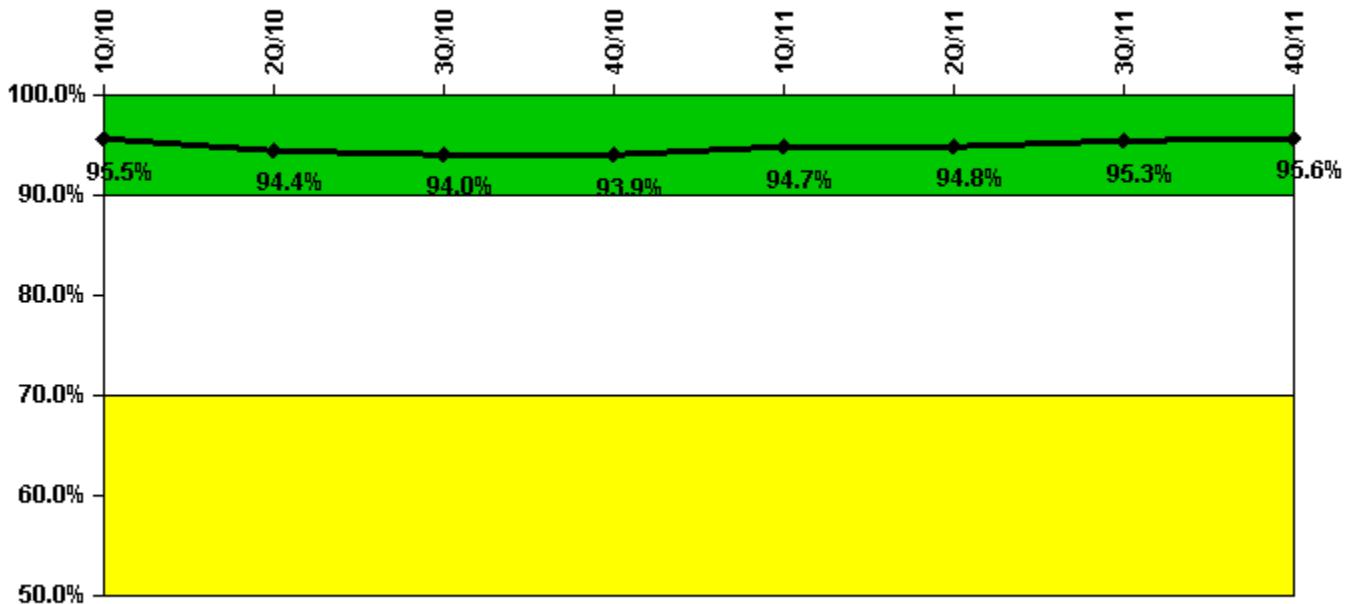
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.014	0.015	0.011	0.005	0.012	0.018	0.088	0.253	0.070	0.014	0.019	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</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	0.027	0.010	0.016	0.014	0.014	0.026	0.030	0.016	0.019	0.017	0.032	0.059
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

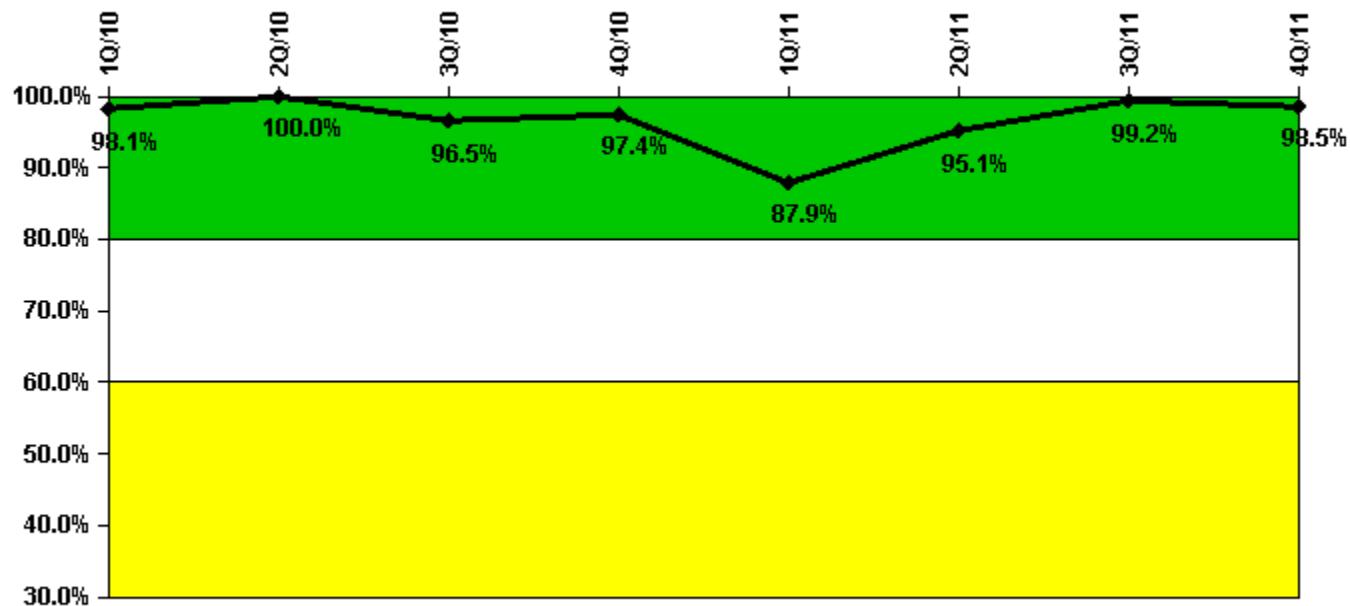
### Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	21.0	20.0	14.0	11.0	31.0	59.0	55.0	28.0
Total opportunities	22.0	23.0	15.0	11.0	34.0	61.0	56.0	28.0
Indicator value	95.5%	94.4%	94.0%	93.9%	94.7%	94.8%	95.3%	95.6%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

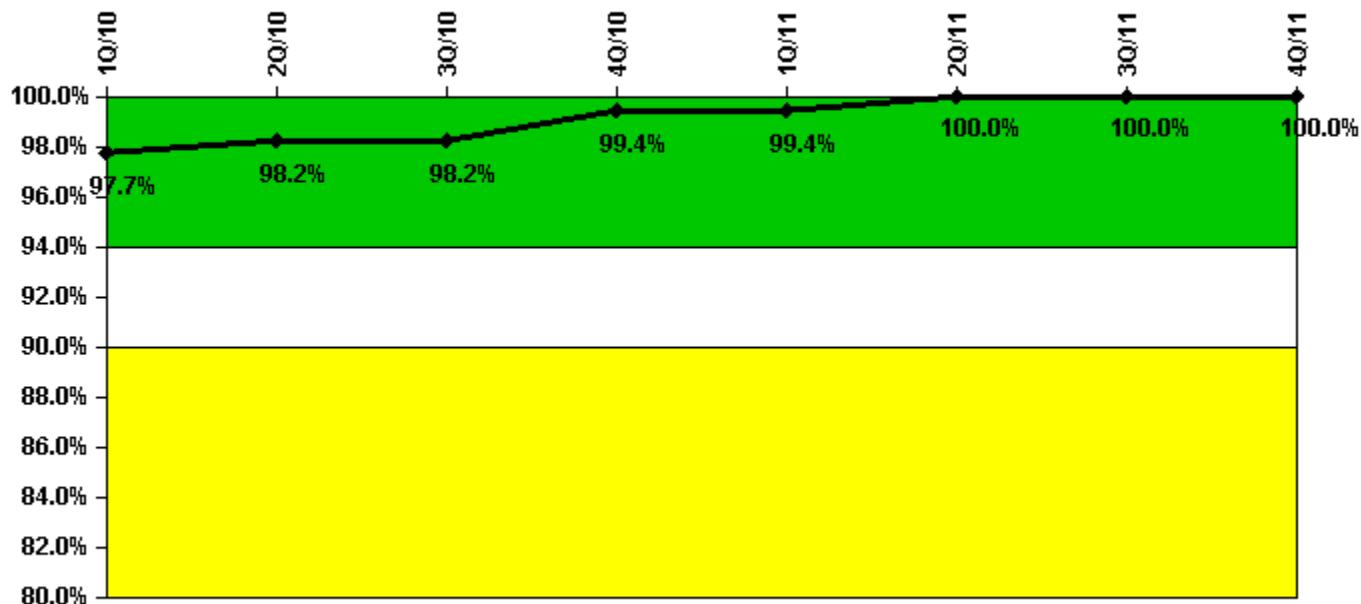
### Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	102.0	105.0	109.0	111.0	109.0	116.0	128.0	134.0
Total Key personnel	104.0	105.0	113.0	114.0	124.0	122.0	129.0	136.0
Indicator value	<b>98.1%</b>	<b>100.0%</b>	<b>96.5%</b>	<b>97.4%</b>	<b>87.9%</b>	<b>95.1%</b>	<b>99.2%</b>	<b>98.5%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

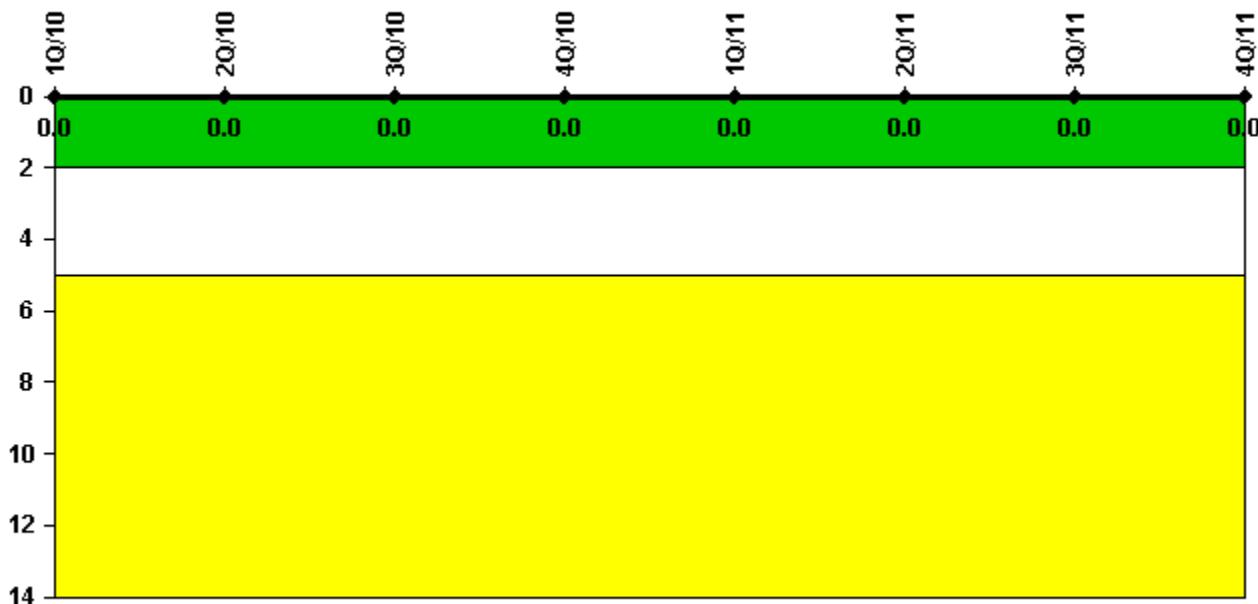
### Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	42	38	42	42	39	42	42	42
Total sirens-tests	42	39	42	42	39	42	42	42
<b>Indicator value</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



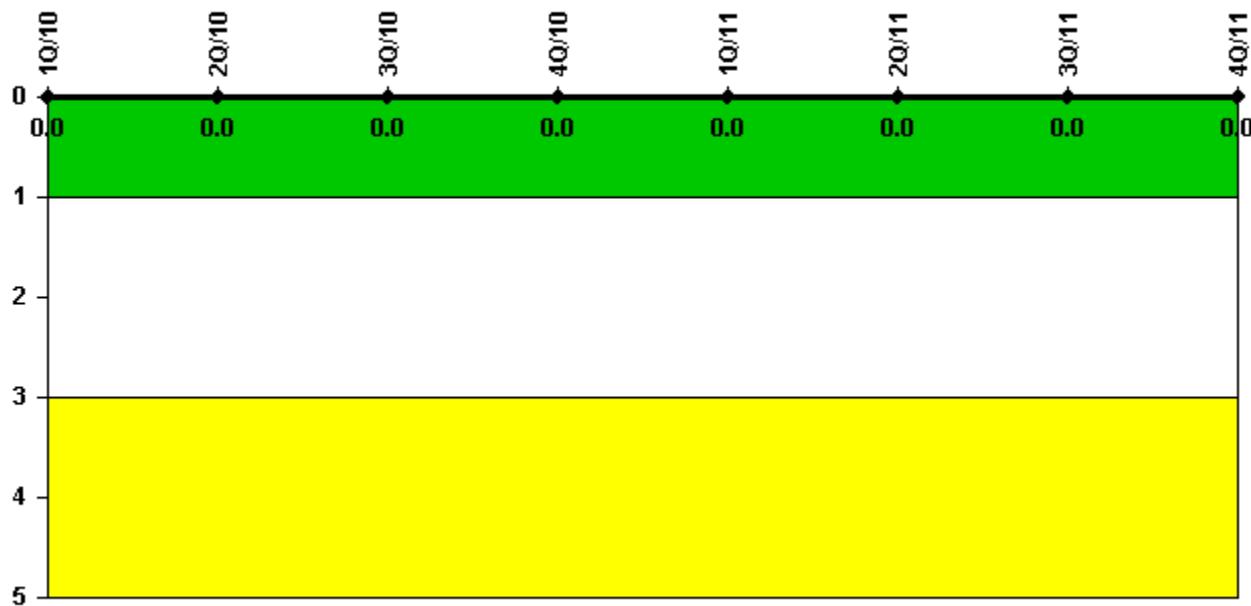
Thresholds: White > 2.0 Yellow > 5.0

### 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.

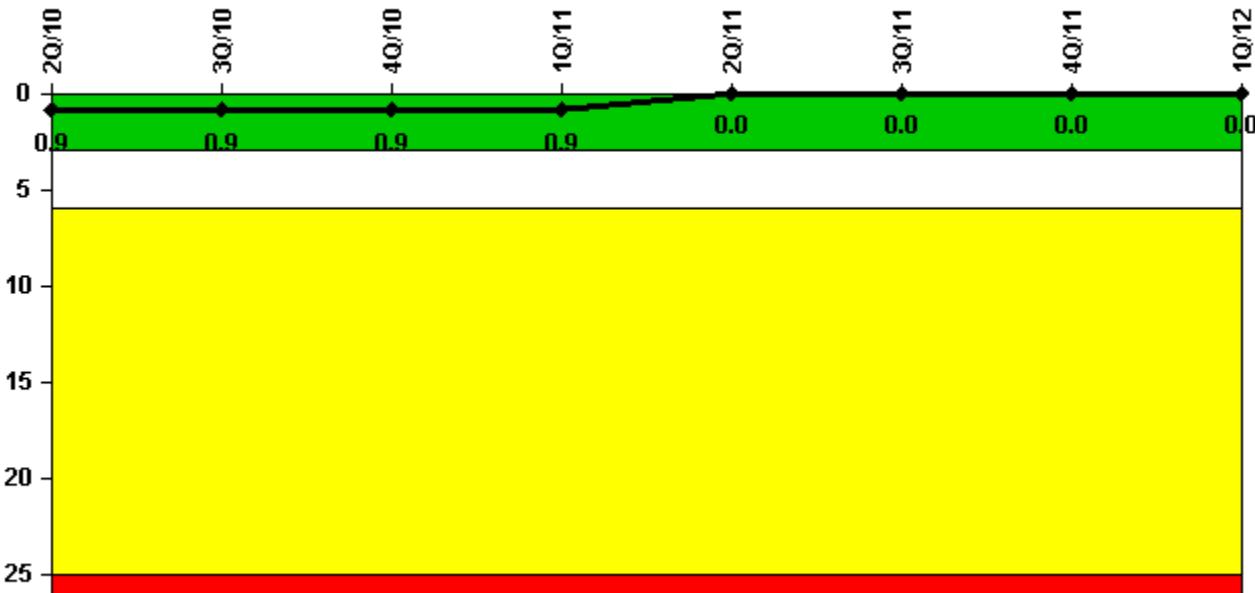
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# Farley 2

## 1Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



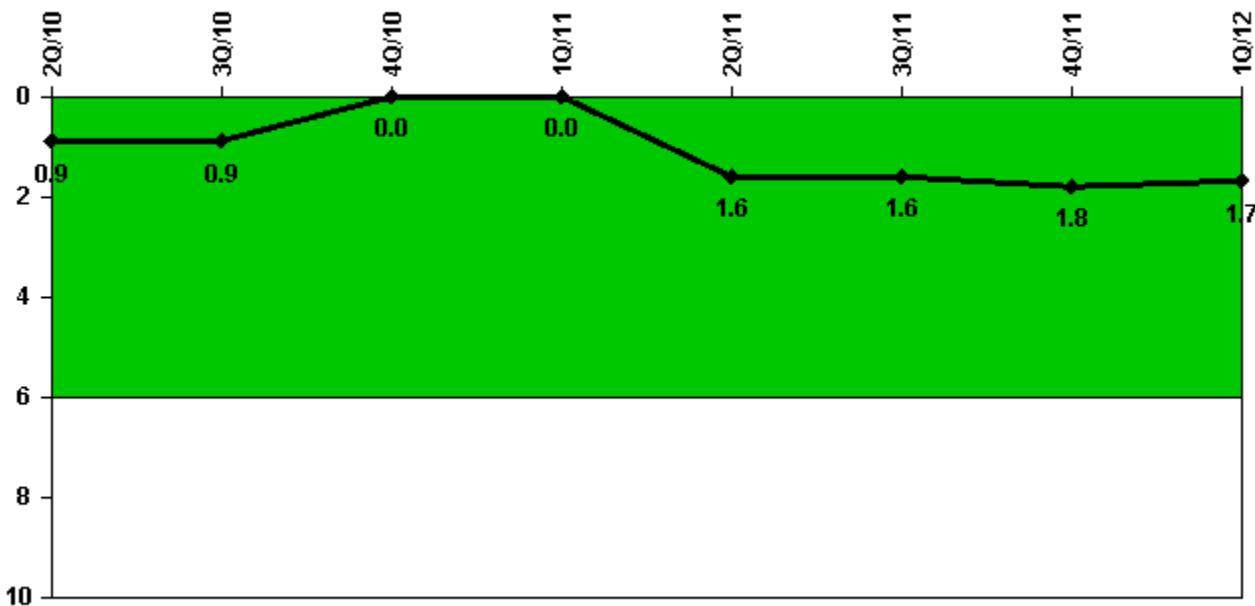
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

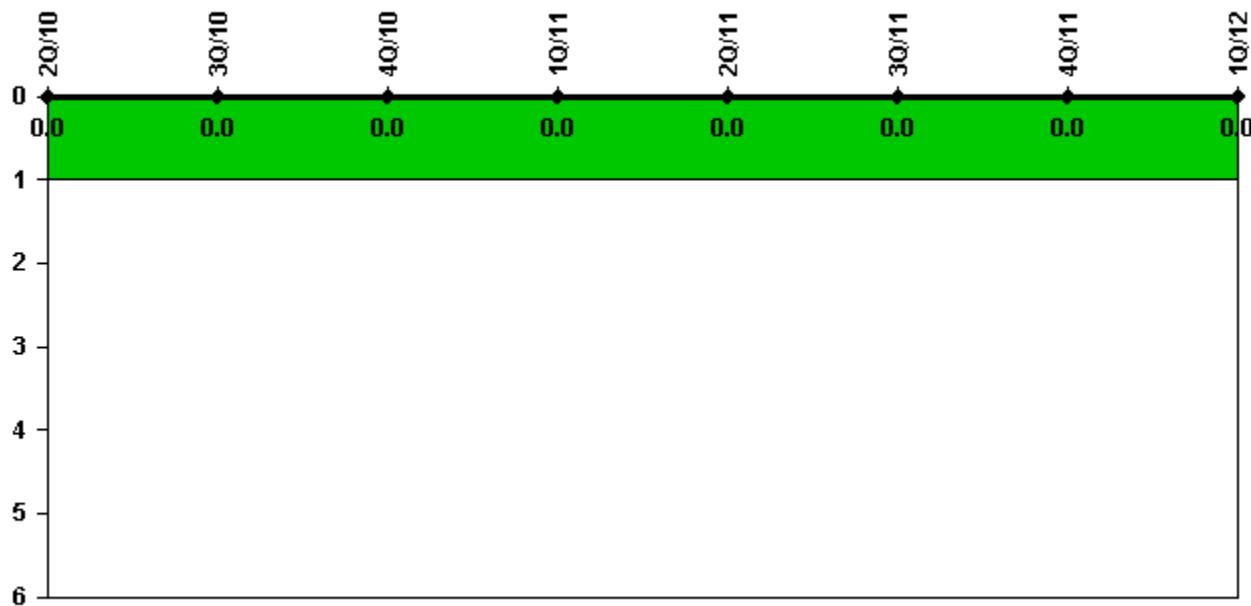
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	1173.3	2208.0	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0
Indicator value	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>

Licensee Comments: none

---

## Unplanned Scrams with Complications



Thresholds: White > 1.0

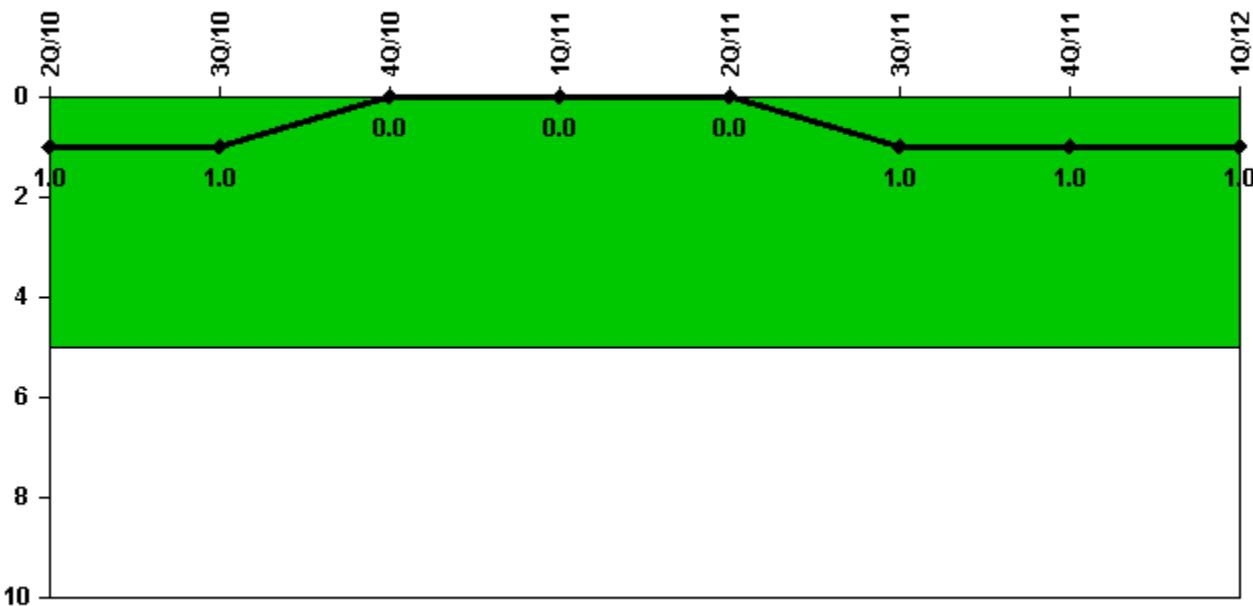
### Notes

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	<b>0.0</b>							

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

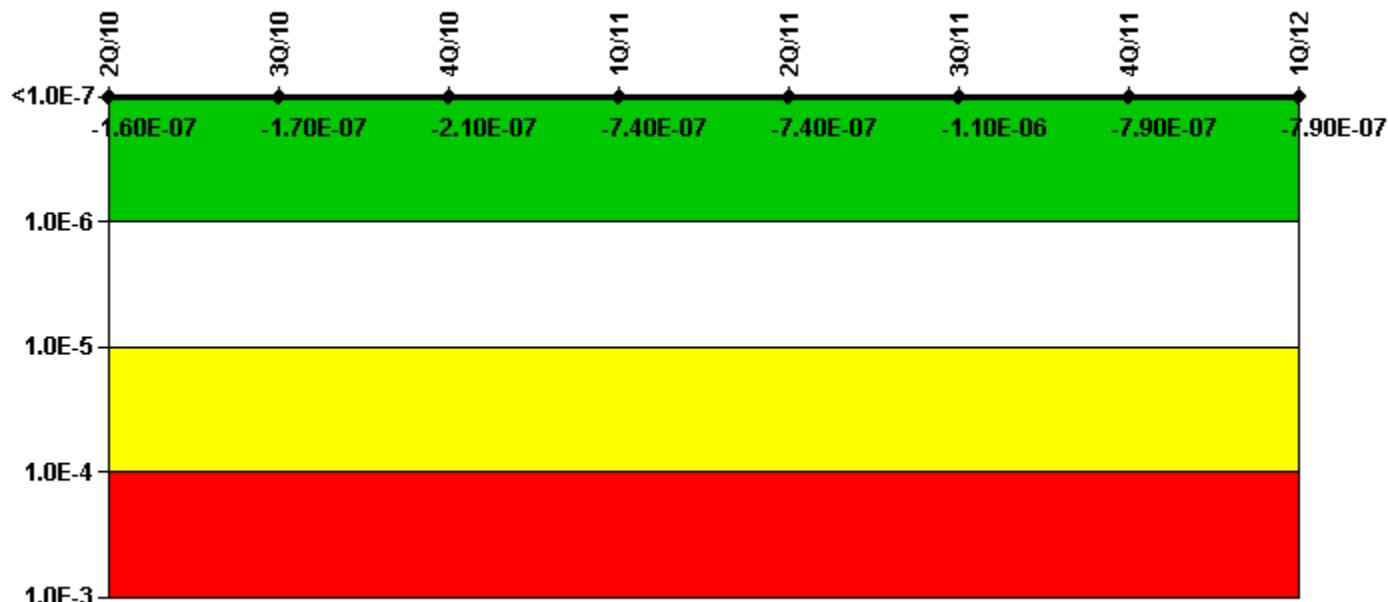
### Notes

Safety System Functional Failures (PWR)	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	1	0	0
Indicator value	1	1	0	0	0	1	1	1

Licensee Comments: none

---

## Mitigating Systems Performance Index, Emergency AC Power System



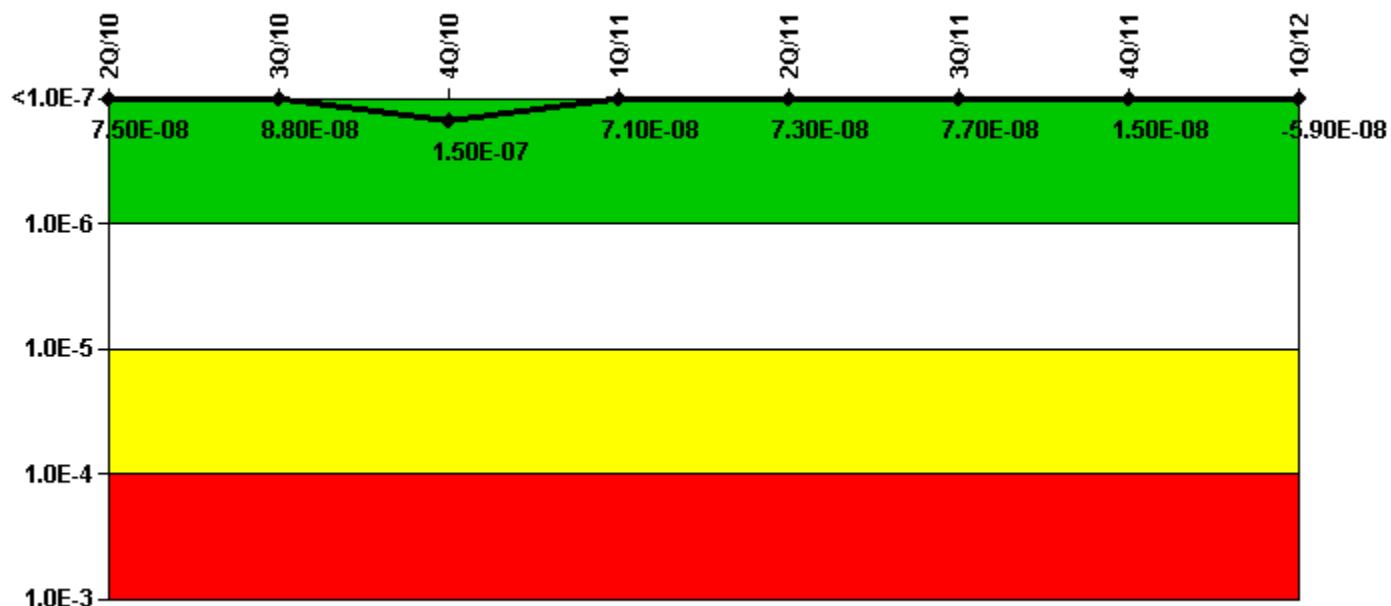
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	5.73E-07	5.59E-07	5.17E-07	-8.14E-09	-8.14E-09	-9.41E-08	-6.57E-08	-6.80E-08
URI ( $\Delta$ CDF)	-7.31E-07	-7.31E-07	-7.29E-07	-7.29E-07	-7.29E-07	-9.97E-07	-7.21E-07	-7.19E-07
PLE	NO							
Indicator value	<b>-1.60E-07</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



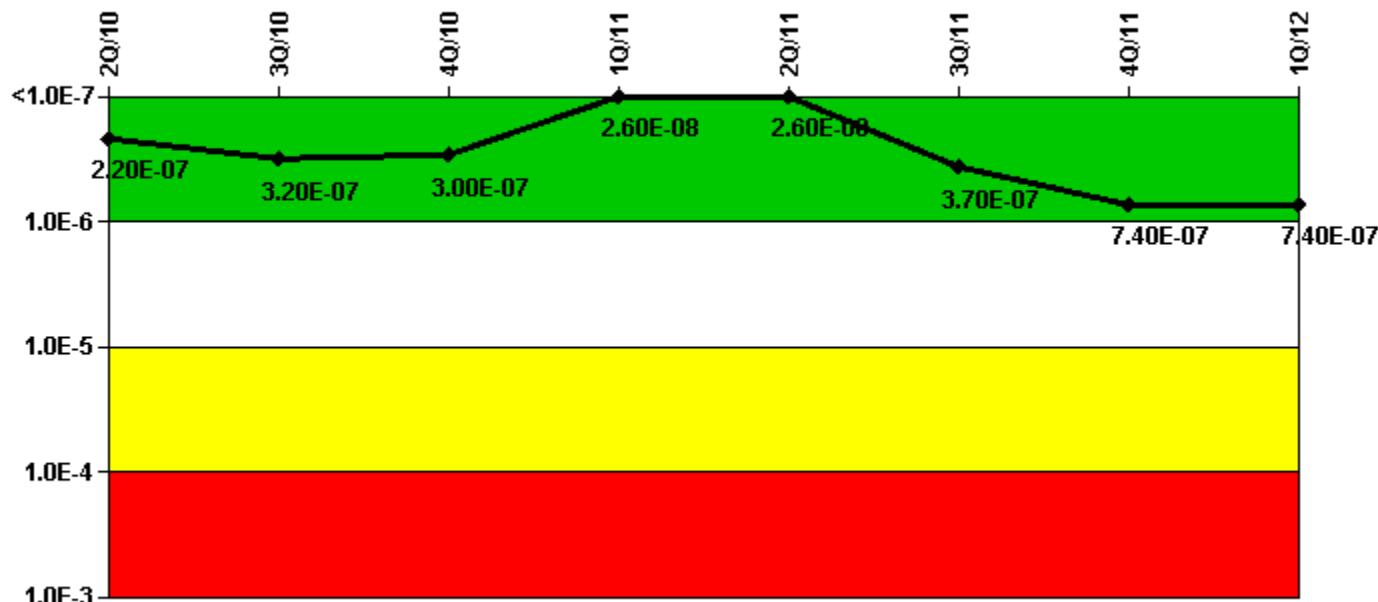
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	4.45E-08	5.85E-08	1.22E-07	4.05E-08	4.30E-08	4.69E-08	-1.48E-08	-2.68E-08
URI ( $\Delta$ CDF)	3.00E-08	3.00E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	-3.22E-08
PLE	NO							
Indicator value	<b>7.50E-08</b>	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>7.10E-08</b>	<b>7.30E-08</b>	<b>7.70E-08</b>	<b>1.50E-08</b>	<b>-5.90E-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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	7.72E-08	1.77E-07	1.45E-07	-1.27E-07	-1.27E-07	-9.74E-08	-3.15E-08	-3.48E-08
URI ( $\Delta$ CDF)	1.47E-07	1.47E-07	1.53E-07	1.53E-07	1.53E-07	4.63E-07	7.74E-07	7.74E-07
PLE	NO							
Indicator value	<b>2.20E-07</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>	<b>7.40E-07</b>	<b>7.40E-07</b>

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

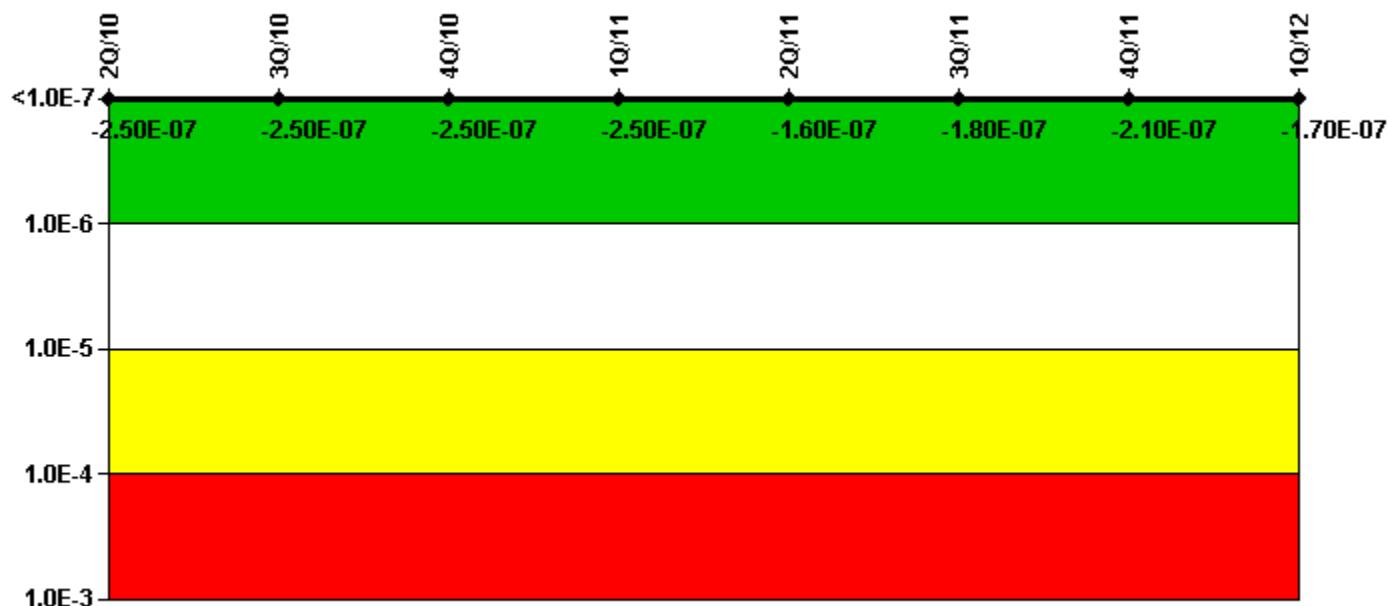
1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

# Mitigating Systems Performance Index, Residual Heat Removal System



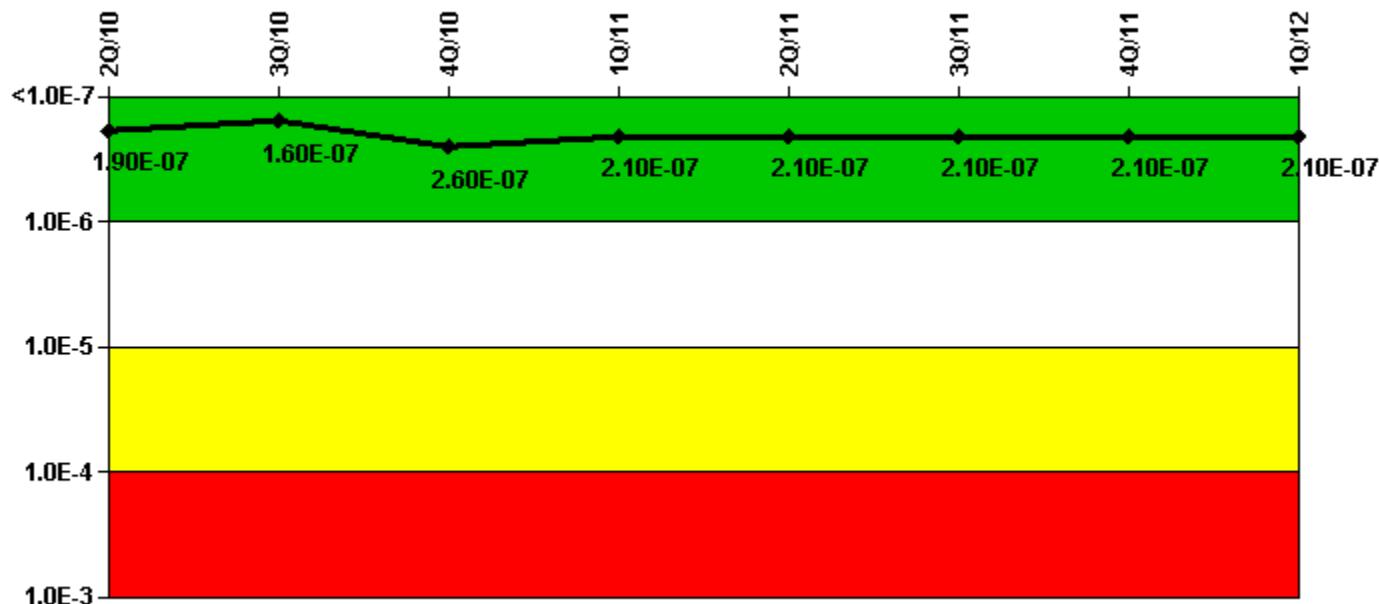
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-6.95E-08	-6.95E-08	-6.89E-08	-6.95E-08	2.35E-08	4.59E-09	-2.61E-08	1.39E-08
URI ( $\Delta$ CDF)	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.84E-07
PLE	NO							
Indicator value	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



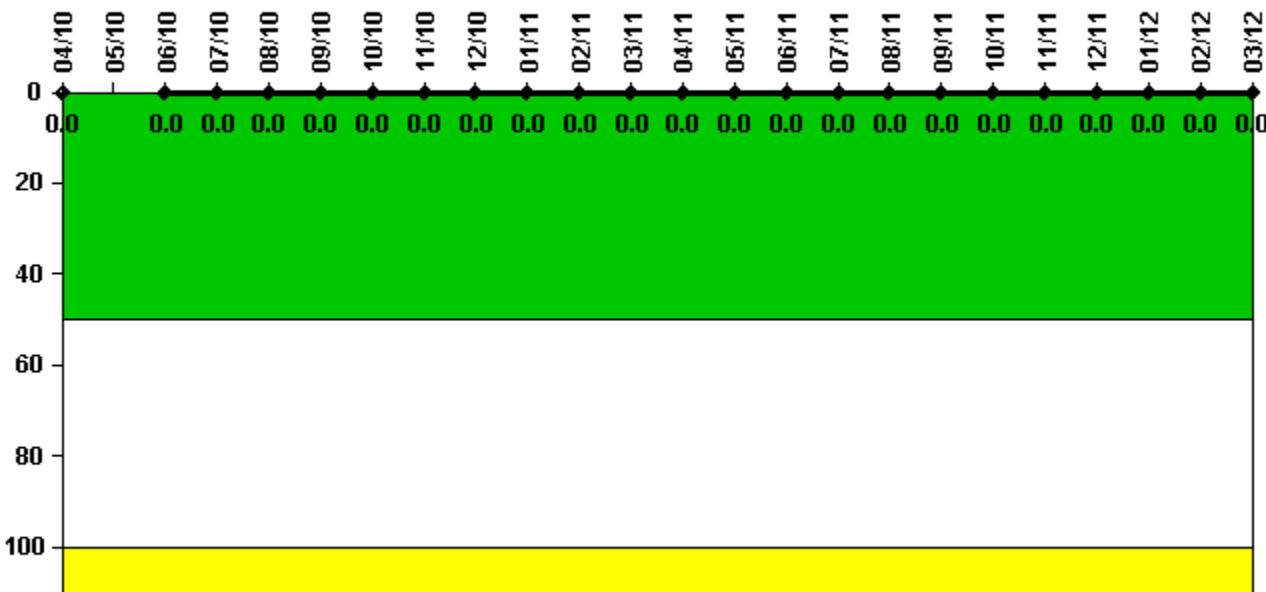
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI ( $\Delta$ CDF)	1.10E-07	8.81E-08	8.99E-08	4.32E-08	4.28E-08	4.28E-08	4.25E-08	4.82E-08
URI ( $\Delta$ CDF)	8.27E-08	7.35E-08	1.67E-07	1.66E-07	1.64E-07	1.64E-07	1.64E-07	1.64E-07
PLE	NO							
<b>Indicator value</b>	<b>1.90E-07</b>	<b>1.60E-07</b>	<b>2.60E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>

Licensee Comments: none

## Reactor Coolant System Activity



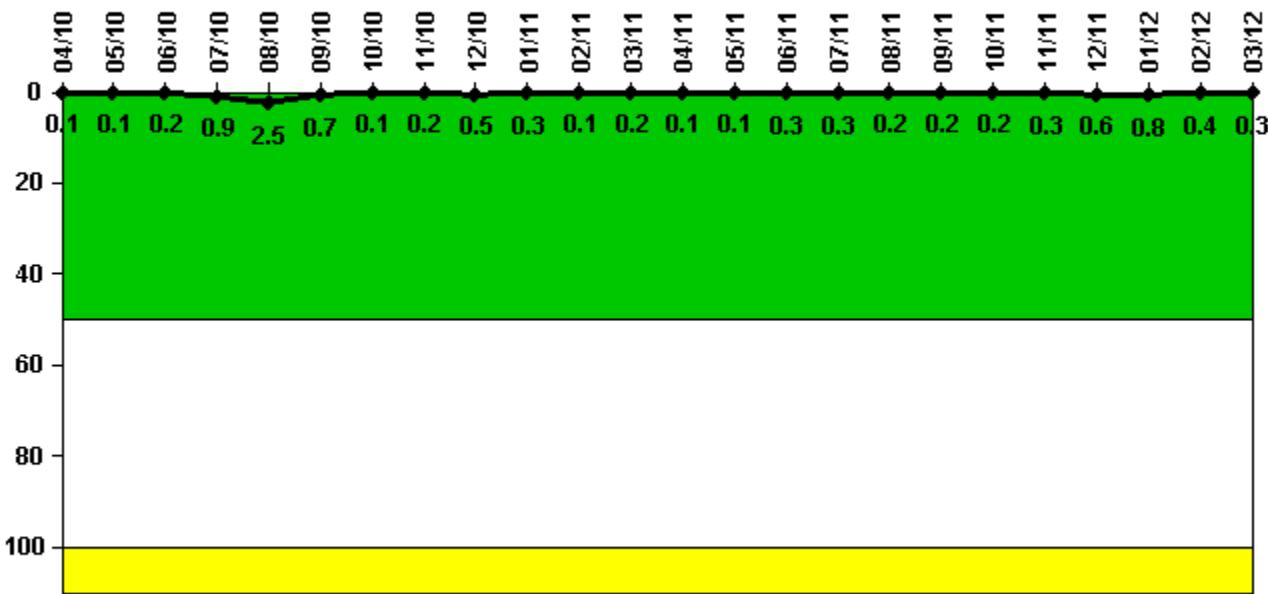
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000050	N/A	0.000041	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	N/A	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	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



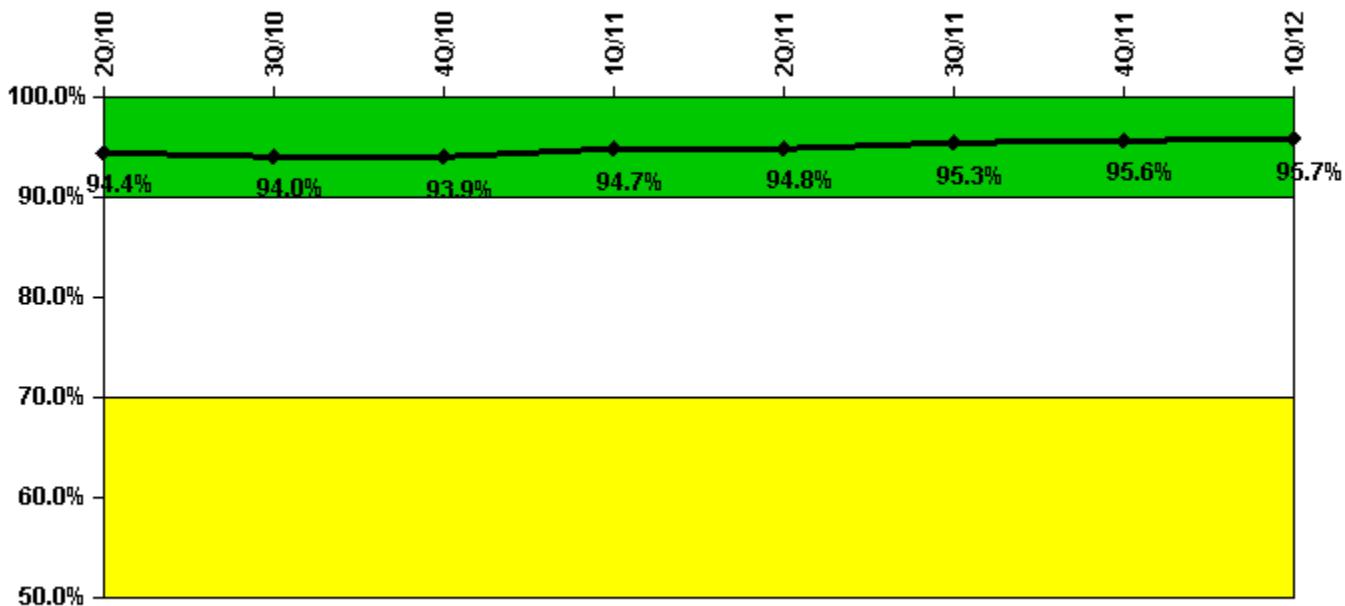
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.005	0.012	0.018	0.088	0.253	0.070	0.014	0.019	0.054	0.027	0.010	0.016
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.9	2.5	0.7	0.1	0.2	0.5	0.3	0.1	0.2
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	0.014	0.014	0.026	0.030	0.016	0.019	0.017	0.032	0.059	0.079	0.044	0.034
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.6	0.8	0.4	0.3

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

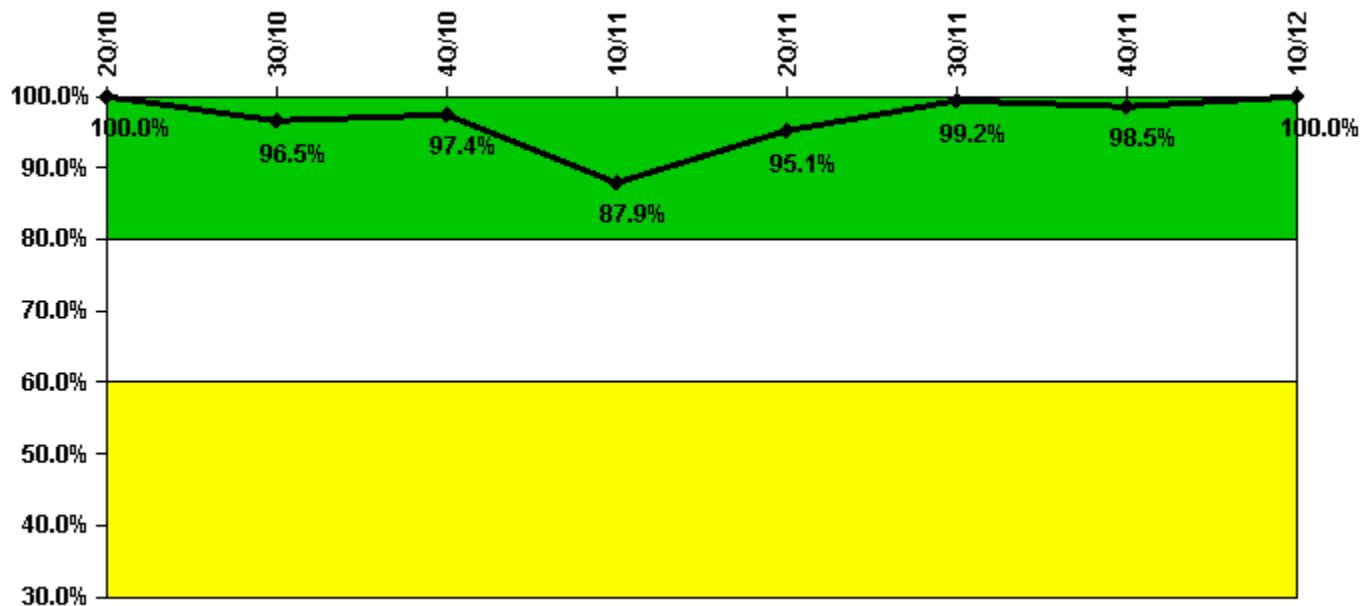
### Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	20.0	14.0	11.0	31.0	59.0	55.0	28.0	25.0
Total opportunities	23.0	15.0	11.0	34.0	61.0	56.0	28.0	26.0
Indicator value	94.4%	94.0%	93.9%	94.7%	94.8%	95.3%	95.6%	95.7%

Licensee Comments: none

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## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

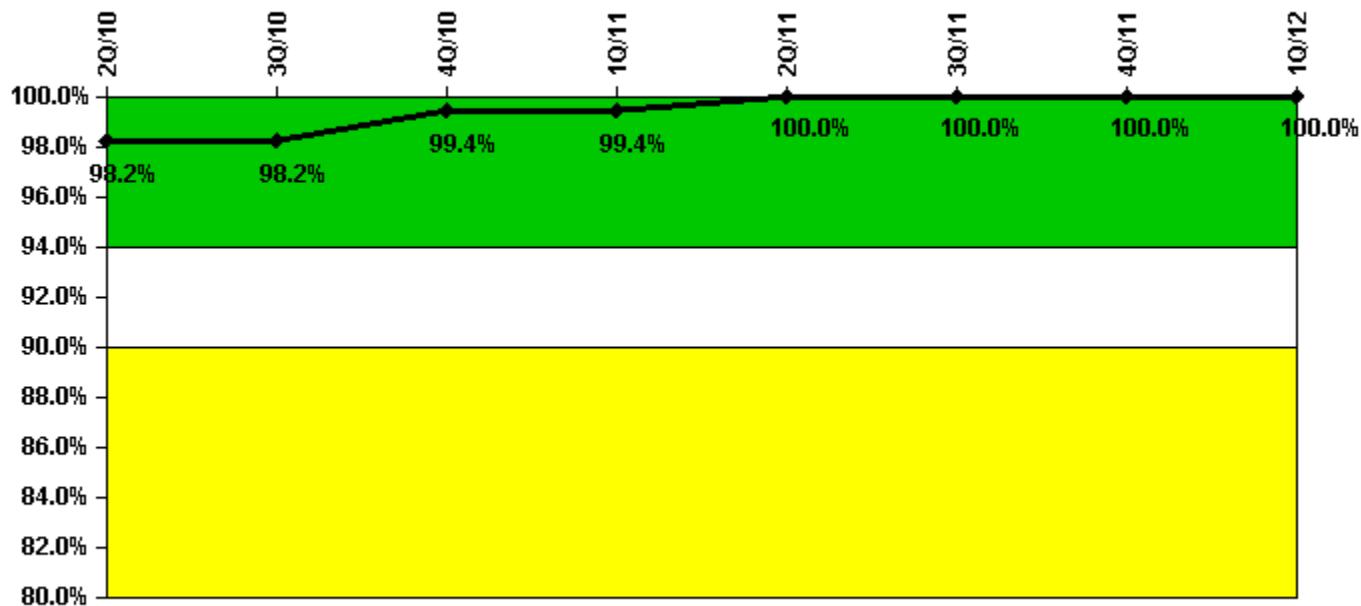
### Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	105.0	109.0	111.0	109.0	116.0	128.0	134.0	130.0
Total Key personnel	105.0	113.0	114.0	124.0	122.0	129.0	136.0	130.0
Indicator value	<b>100.0%</b>	<b>96.5%</b>	<b>97.4%</b>	<b>87.9%</b>	<b>95.1%</b>	<b>99.2%</b>	<b>98.5%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

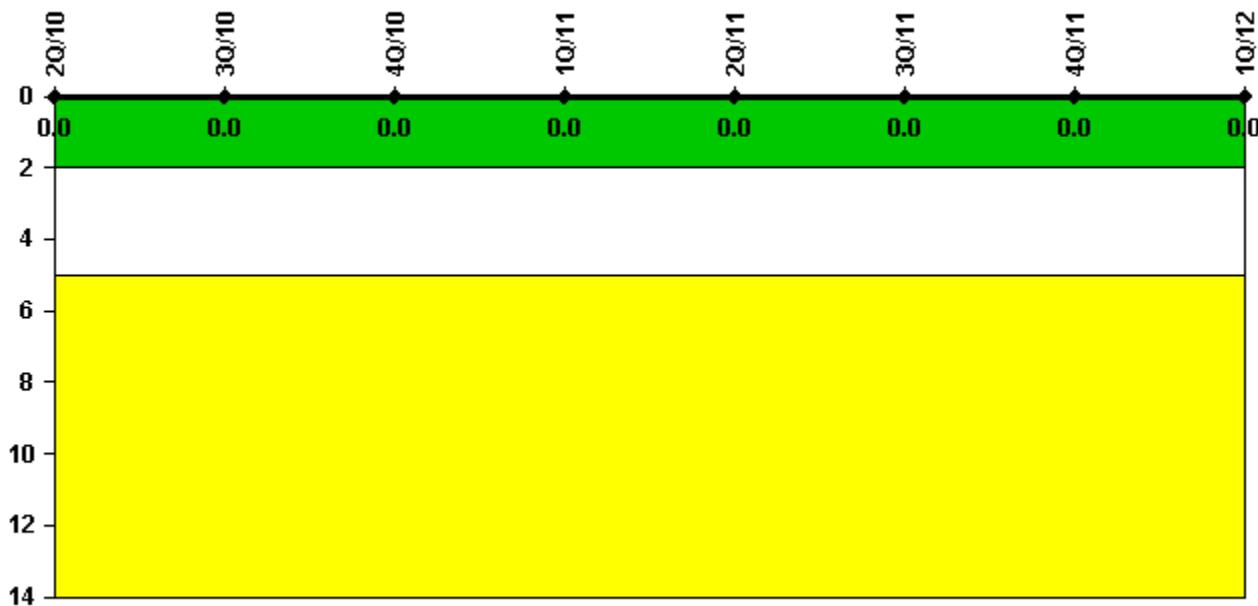
### Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	38	42	42	39	42	42	42	42
Total sirens-tests	39	42	42	39	42	42	42	42
<b>Indicator value</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Occupational Exposure Control Effectiveness



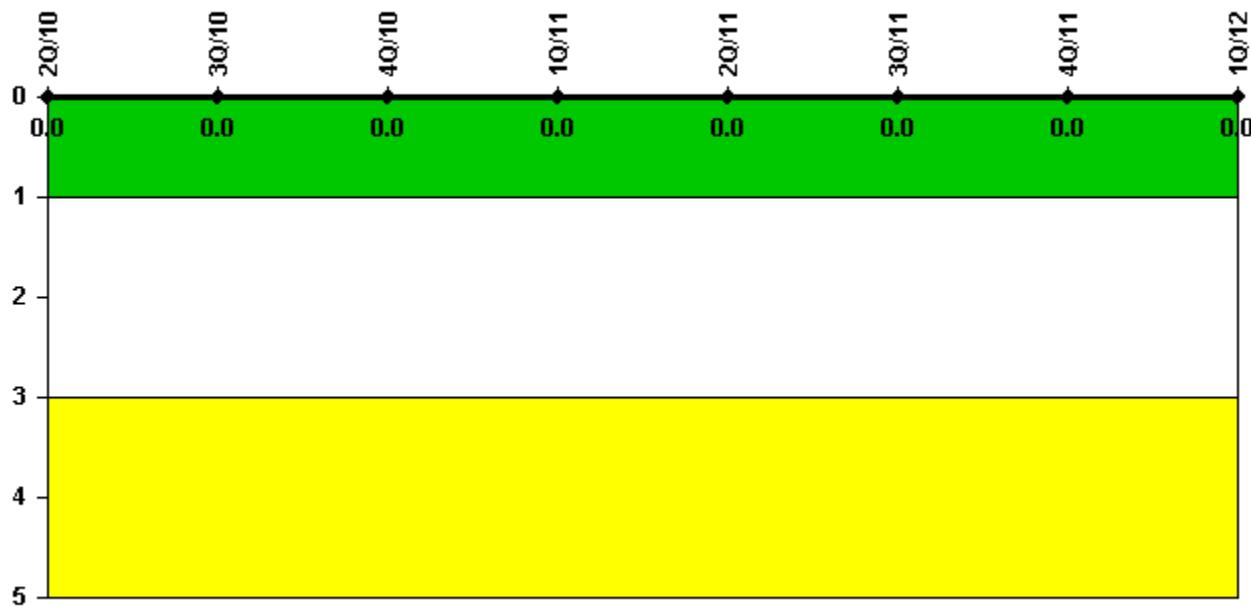
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

## 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.

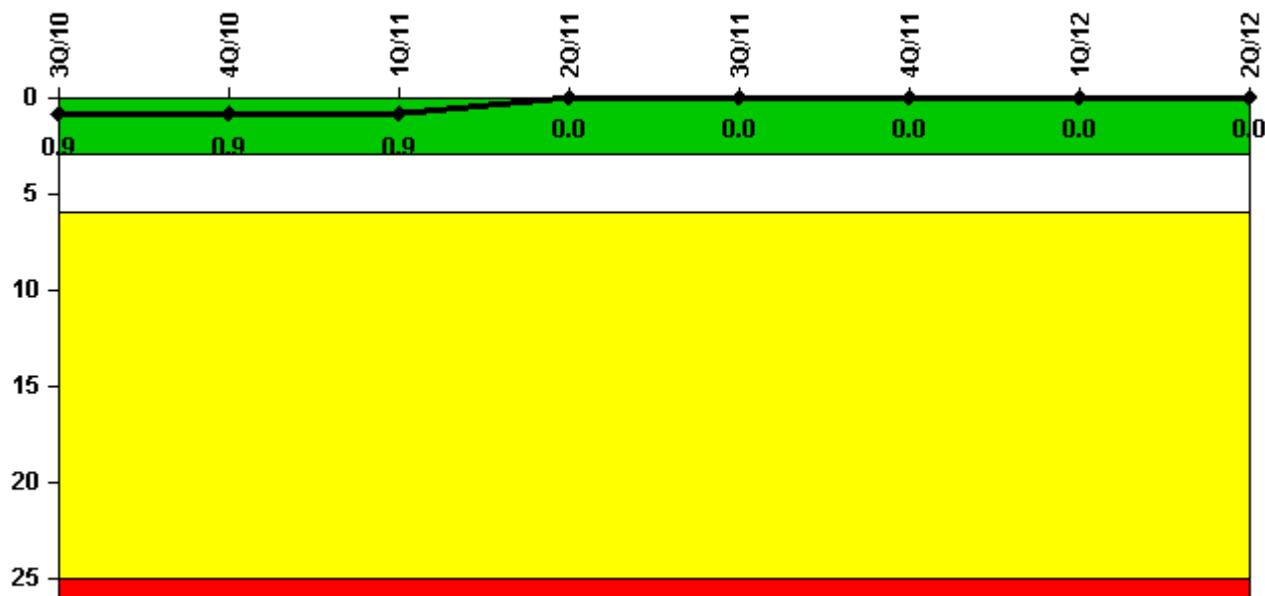
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# Farley 2

## 2Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



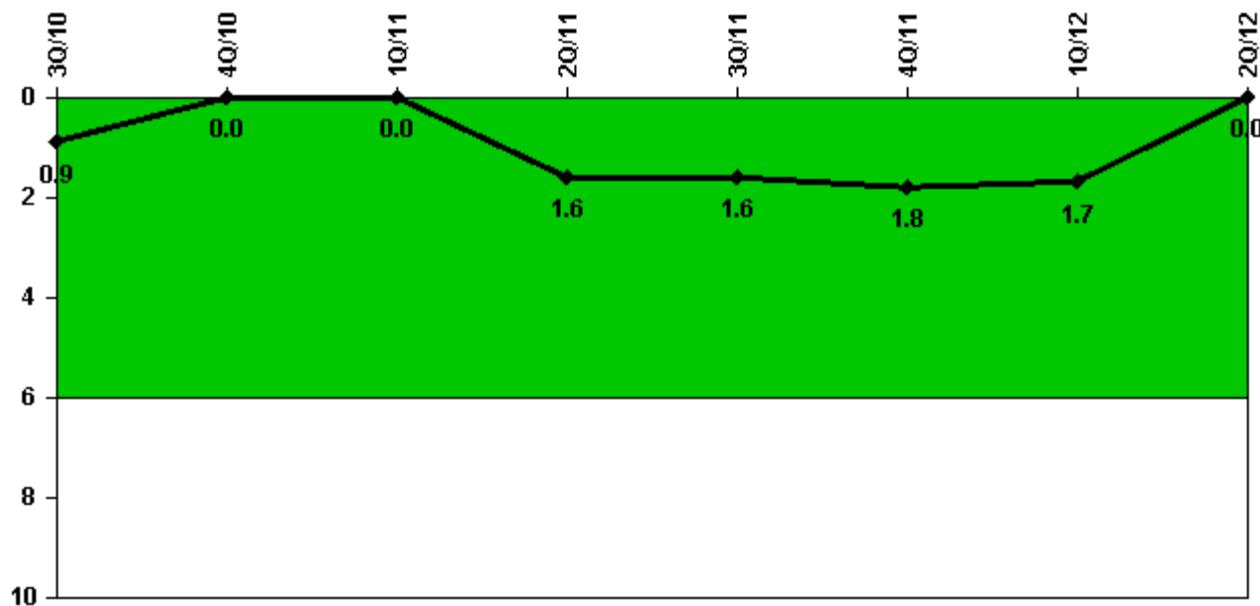
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0
Indicator value	0.9	0.9	0.9	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



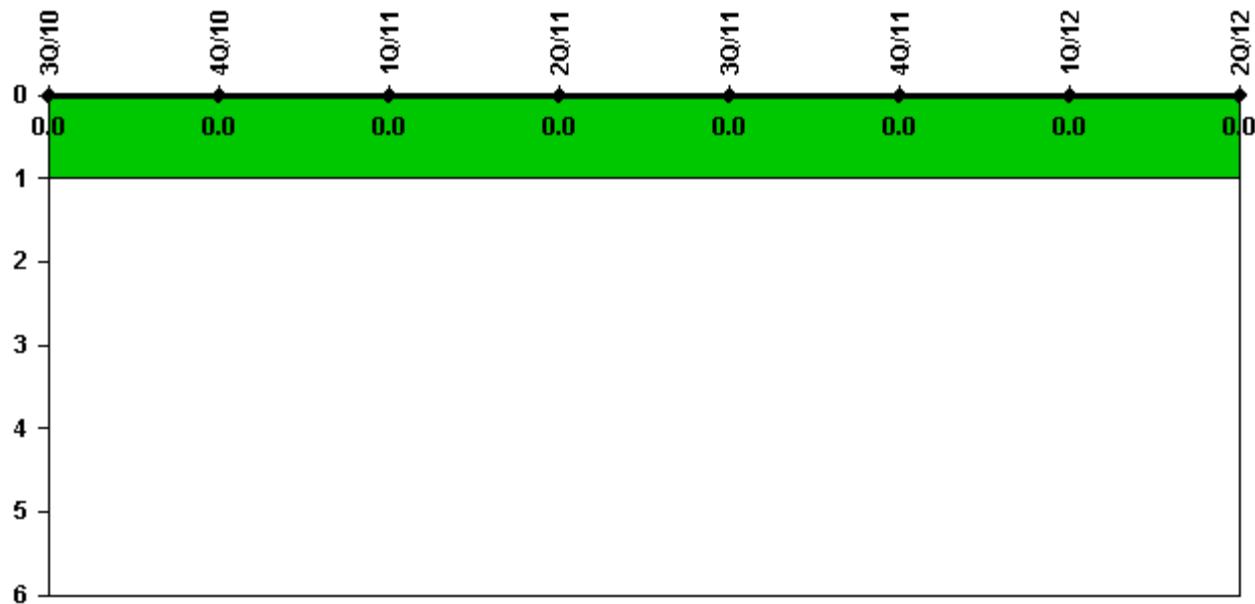
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	2208.0	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0
Indicator value	0.9	0	0	1.6	1.6	1.8	1.7	0

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

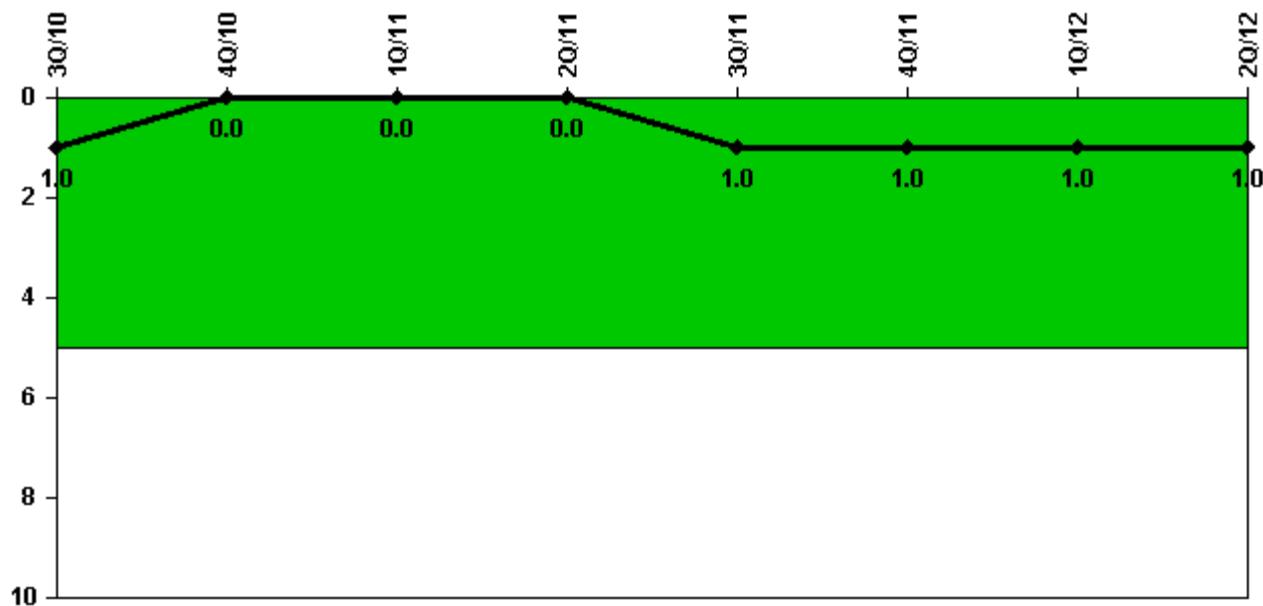
### Notes

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 (PWR)



Thresholds: White > 5.0

### Notes

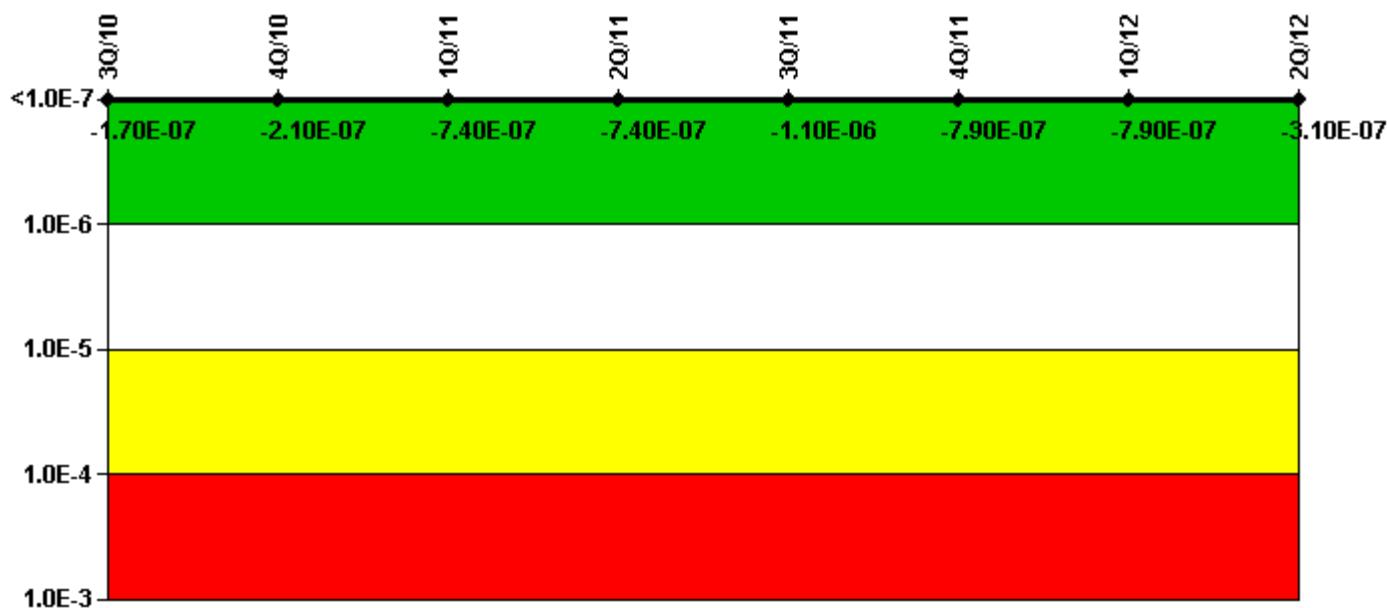
Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

3Q/11: LER - 2011-001-00 Turbine Driven Auxiliary Feedwater Pump Inoperable

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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

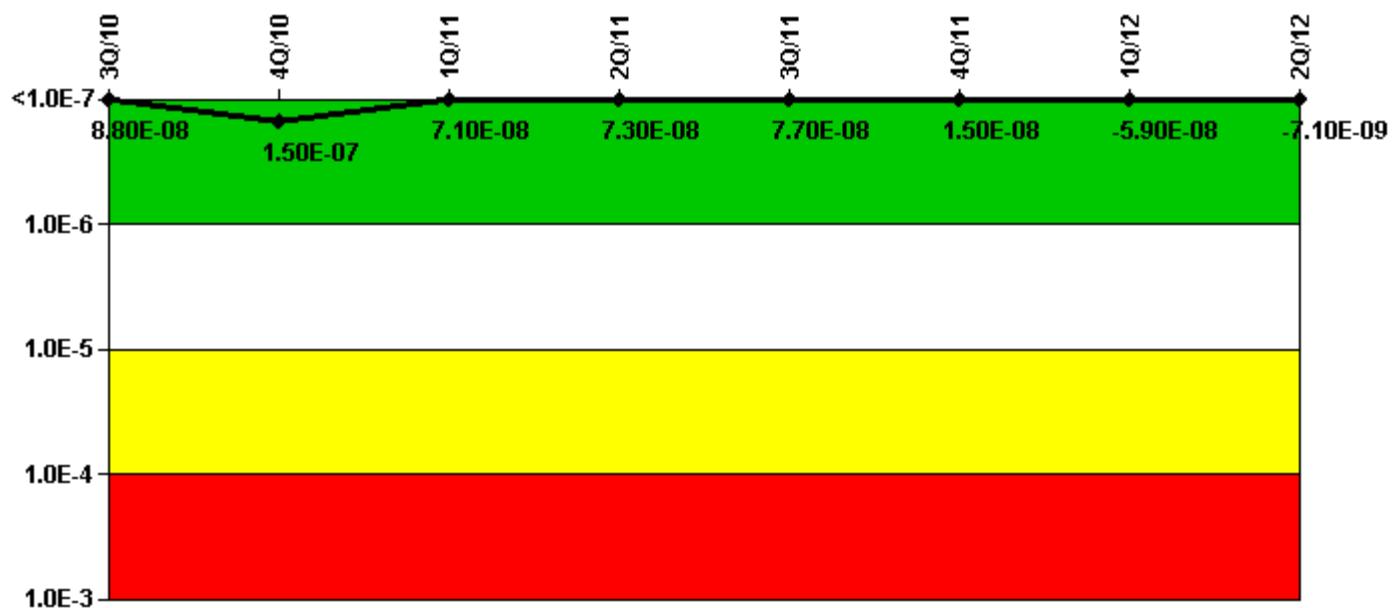
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	5.59E-07	5.17E-07	-8.14E-09	-8.14E-09	-9.41E-08	-6.57E-08	-6.80E-08	-9.00E-09
URI (ΔCDF)	-7.31E-07	-7.29E-07	-7.29E-07	-7.29E-07	-9.97E-07	-7.21E-07	-7.19E-07	-2.98E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.70E-07</b>	<b>-2.10E-07</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



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

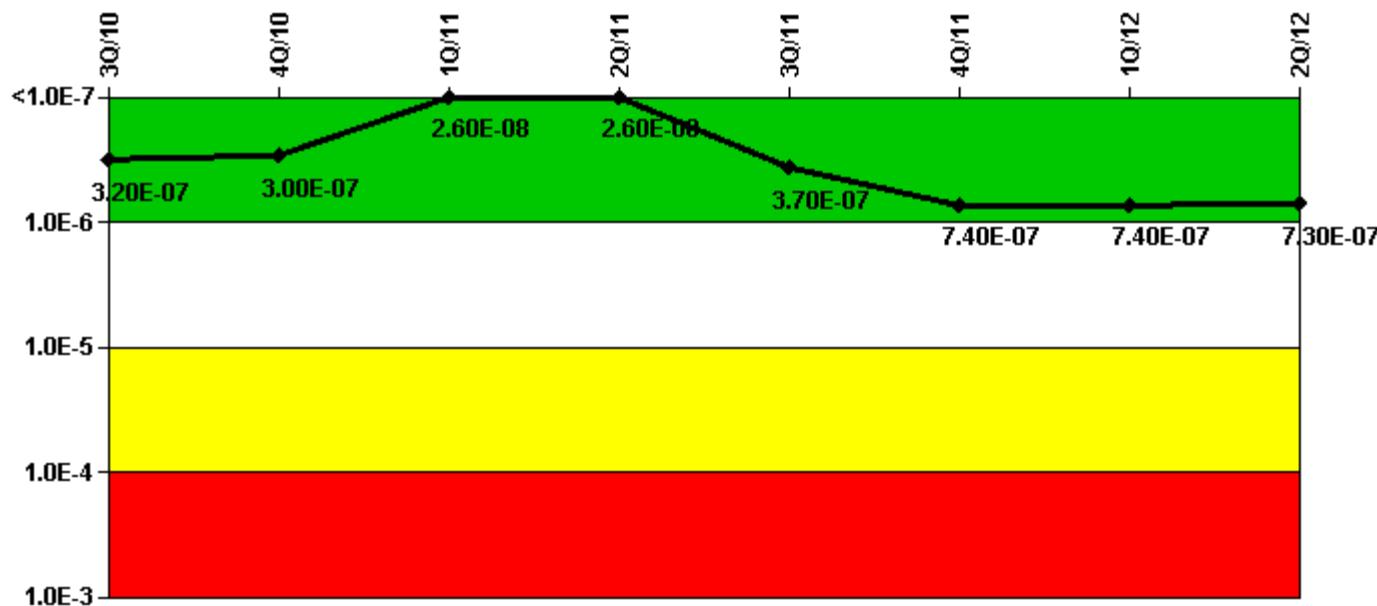
### Notes

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 ( $\Delta$ CDF)	5.85E-08	1.22E-07	4.05E-08	4.30E-08	4.69E-08	-1.48E-08	-2.68E-08	-2.60E-10
URI ( $\Delta$ CDF)	3.00E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	-3.22E-08	-6.89E-09
PLE	NO	NO						
Indicator value	<b>8.80E-08</b>	<b>1.50E-07</b>	<b>7.10E-08</b>	<b>7.30E-08</b>	<b>7.70E-08</b>	<b>1.50E-08</b>	<b>-5.90E-08</b>	<b>-7.10E-09</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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 ( $\Delta$ CDF)	1.77E-07	1.45E-07	-1.27E-07	-1.27E-07	-9.74E-08	-3.15E-08	-3.48E-08	-3.71E-10
URI ( $\Delta$ CDF)	1.47E-07	1.53E-07	1.53E-07	1.53E-07	4.63E-07	7.74E-07	7.74E-07	7.28E-07
PLE	NO							
<b>Indicator value</b>	<b>3.20E-07</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>	<b>7.40E-07</b>	<b>7.40E-07</b>	<b>7.30E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

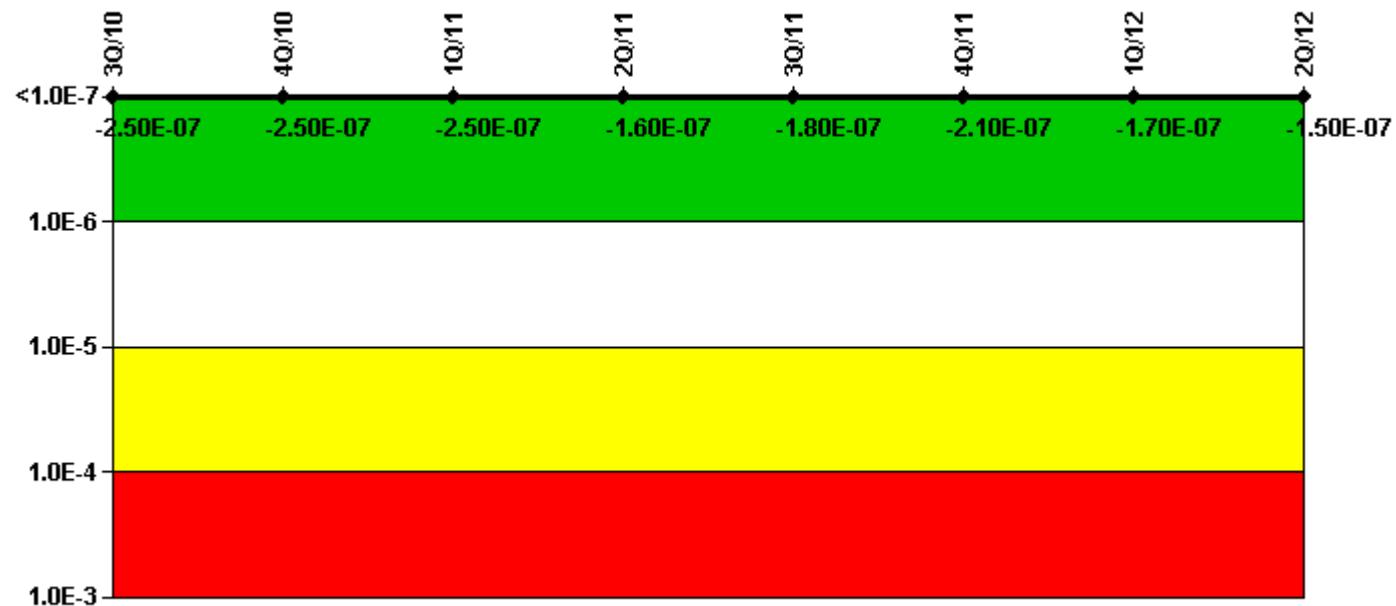
2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

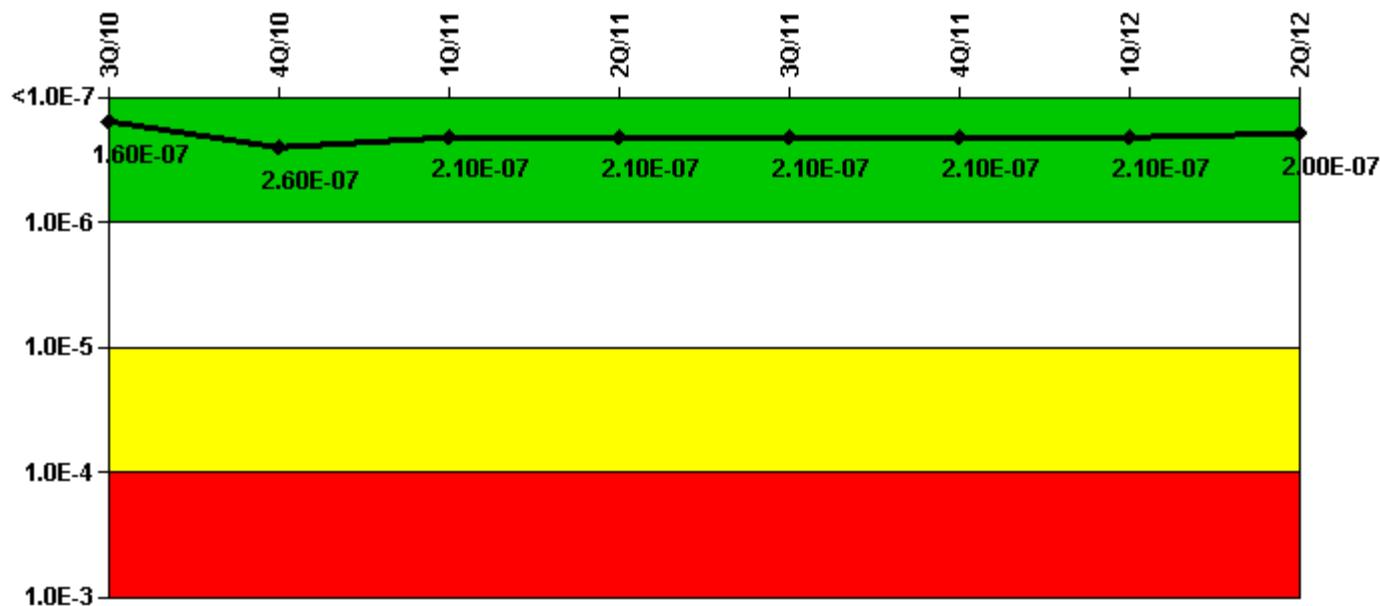
### Notes

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 ( $\Delta$ CDF)	-6.95E-08	-6.89E-08	-6.95E-08	2.35E-08	4.59E-09	-2.61E-08	1.39E-08	-3.84E-09
URI ( $\Delta$ CDF)	-1.85E-07	-1.85E-07	-1.85E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, Cooling Water Systems



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

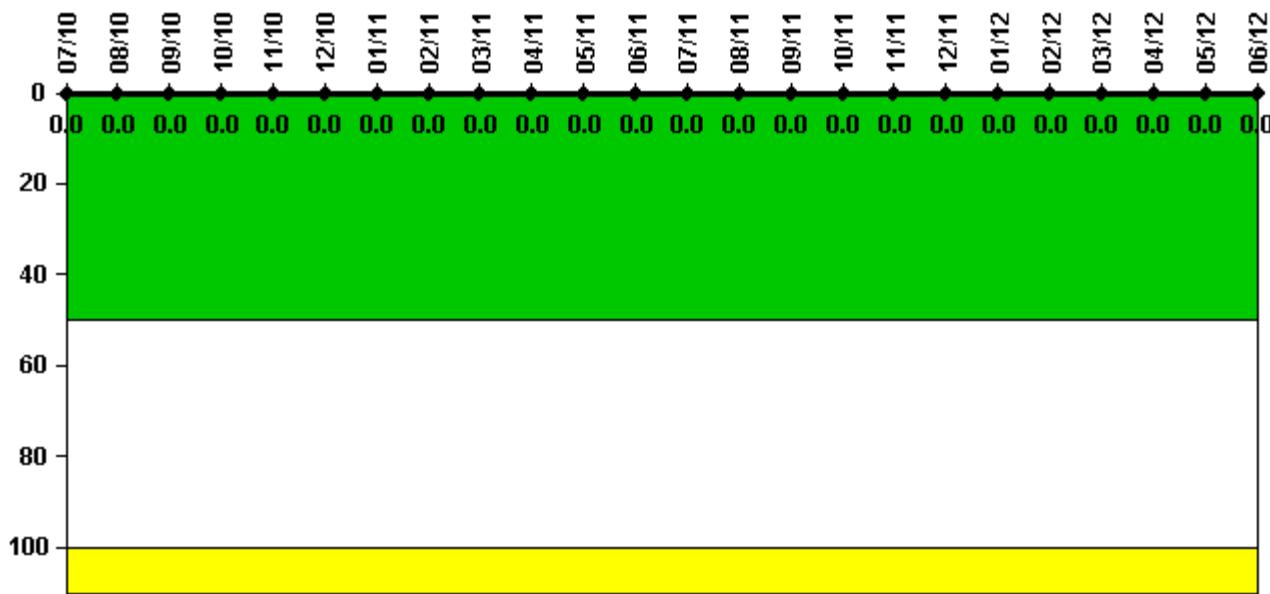
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	8.81E-08	8.99E-08	4.32E-08	4.28E-08	4.28E-08	4.25E-08	4.82E-08	4.10E-08
URI (ΔCDF)	7.35E-08	1.67E-07	1.66E-07	1.64E-07	1.64E-07	1.64E-07	1.64E-07	1.58E-07
PLE		NO						
<b>Indicator value</b>	<b>1.60E-07</b>	<b>2.60E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Reactor Coolant System Activity



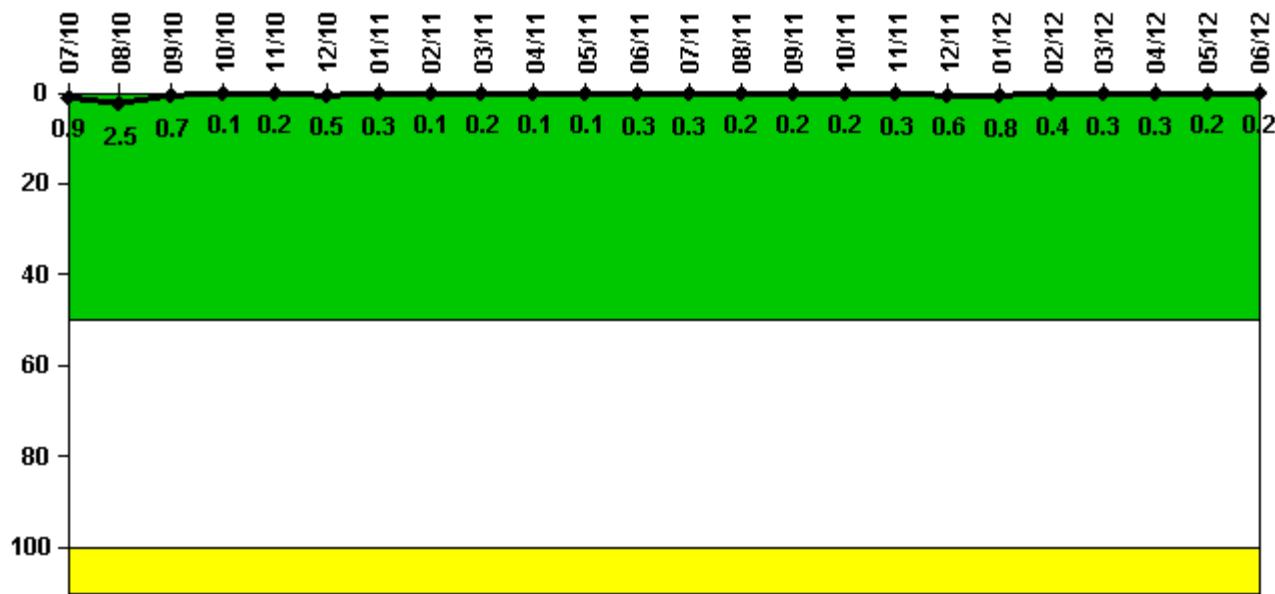
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000037	0.000038	0.000042	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											
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	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



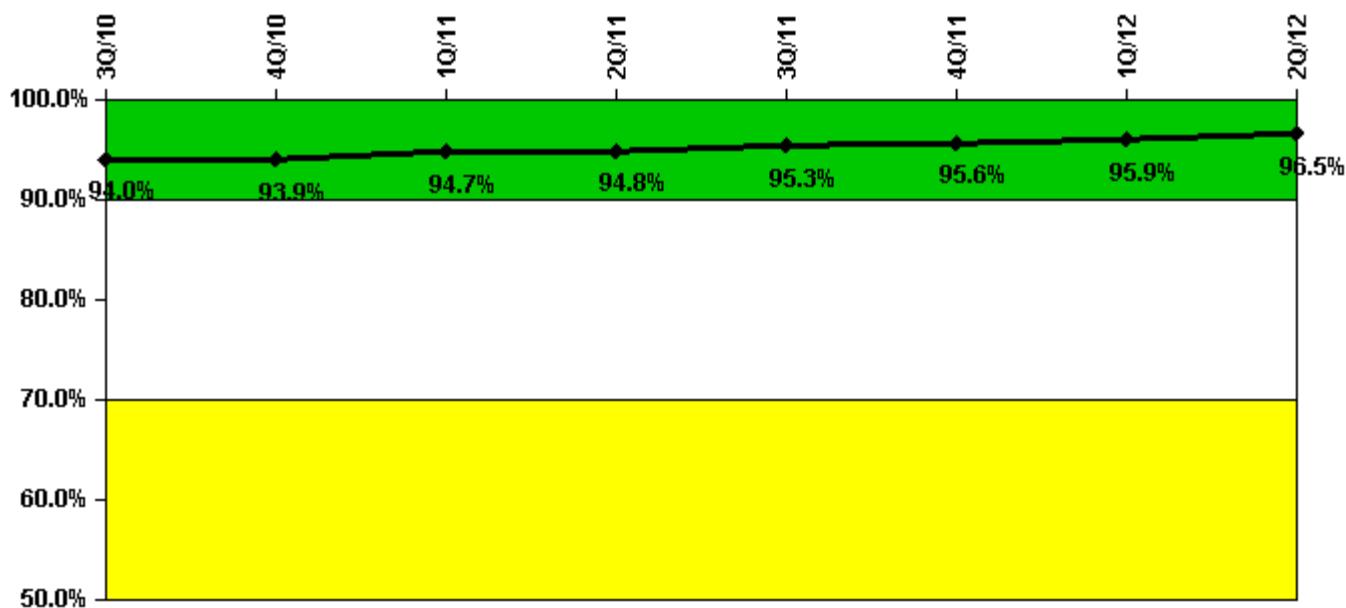
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.088	0.253	0.070	0.014	0.019	0.054	0.027	0.010	0.016	0.014	0.014	0.026
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.9</b>	<b>2.5</b>	<b>0.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</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	0.030	0.016	0.019	0.017	0.032	0.059	0.079	0.044	0.034	0.025	0.022	0.021
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

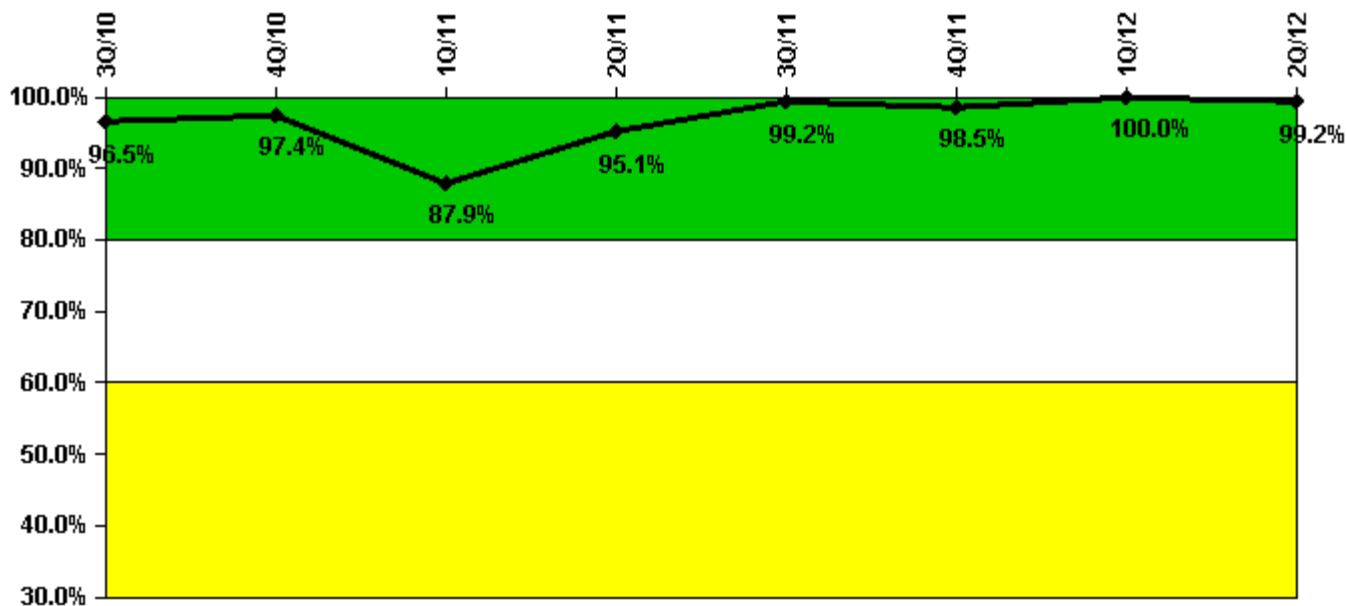
### Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	14.0	11.0	31.0	59.0	55.0	28.0	39.0	14.0
Total opportunities	15.0	11.0	34.0	61.0	56.0	28.0	40.0	15.0
Indicator value	94.0%	93.9%	94.7%	94.8%	95.3%	95.6%	95.9%	96.5%

Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

## ERO Drill Participation



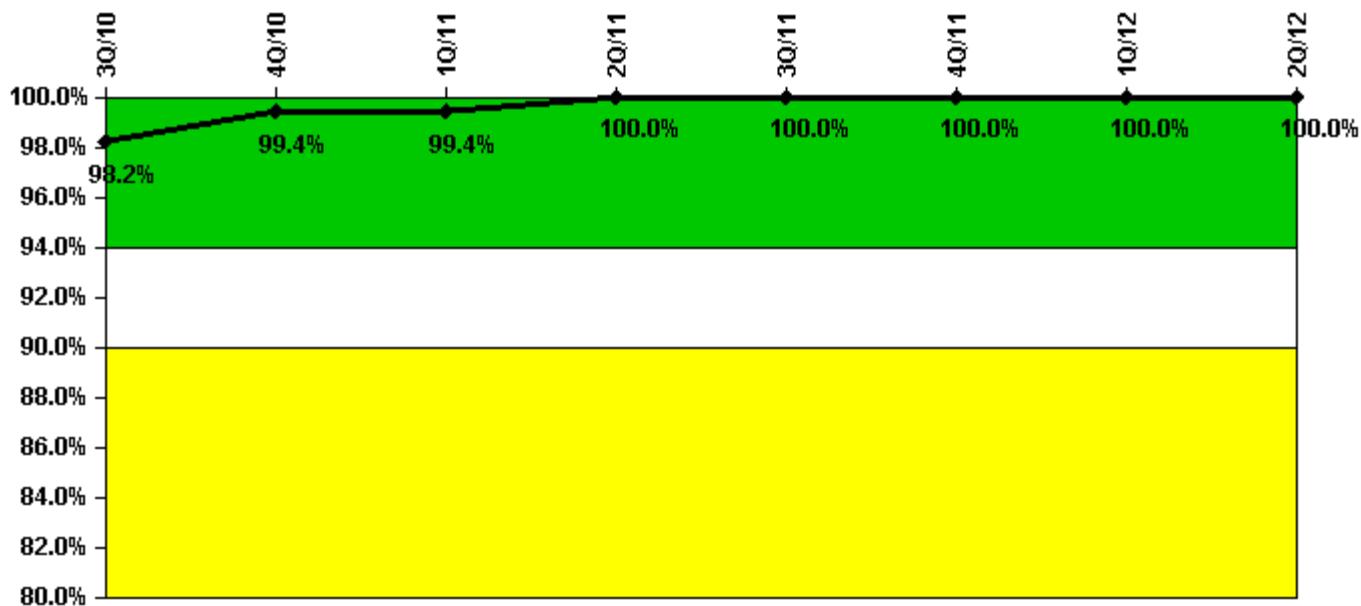
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	109.0	111.0	109.0	116.0	128.0	134.0	130.0	127.0
Total Key personnel	113.0	114.0	124.0	122.0	129.0	136.0	130.0	128.0
Indicator value	96.5%	97.4%	87.9%	95.1%	99.2%	98.5%	100.0%	99.2%

Licensee Comments: none

## Alert & Notification System



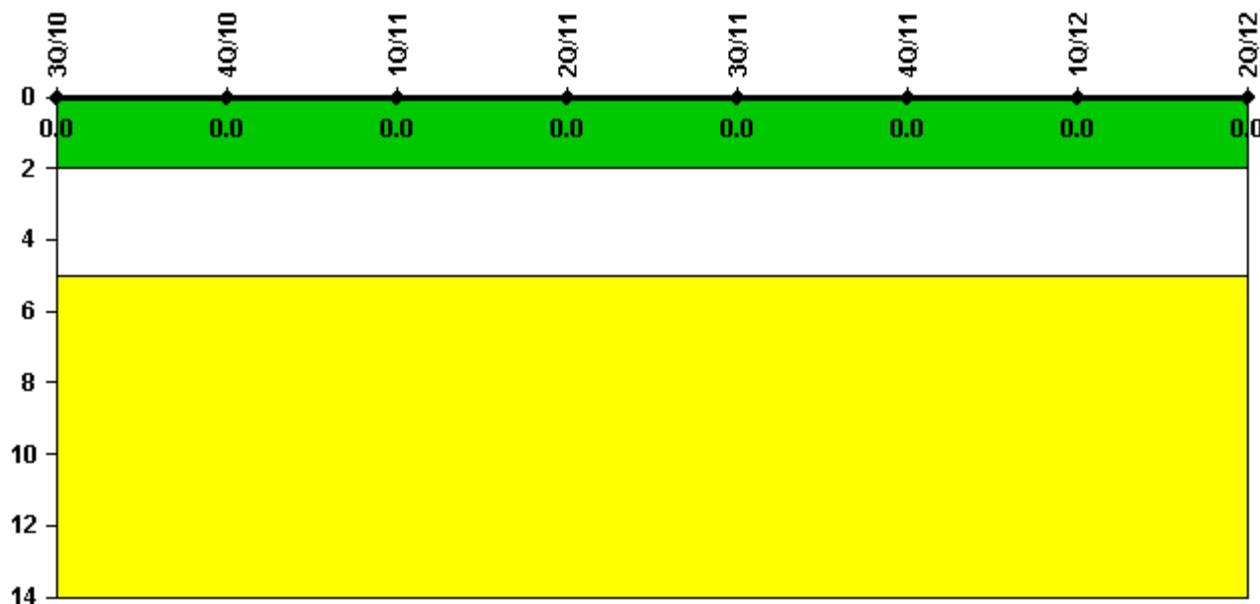
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	42	42	39	42	42	42	42	42
Total sirens-tests	42	42	39	42	42	42	42	42
<b>Indicator value</b>	<b>98.2%</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



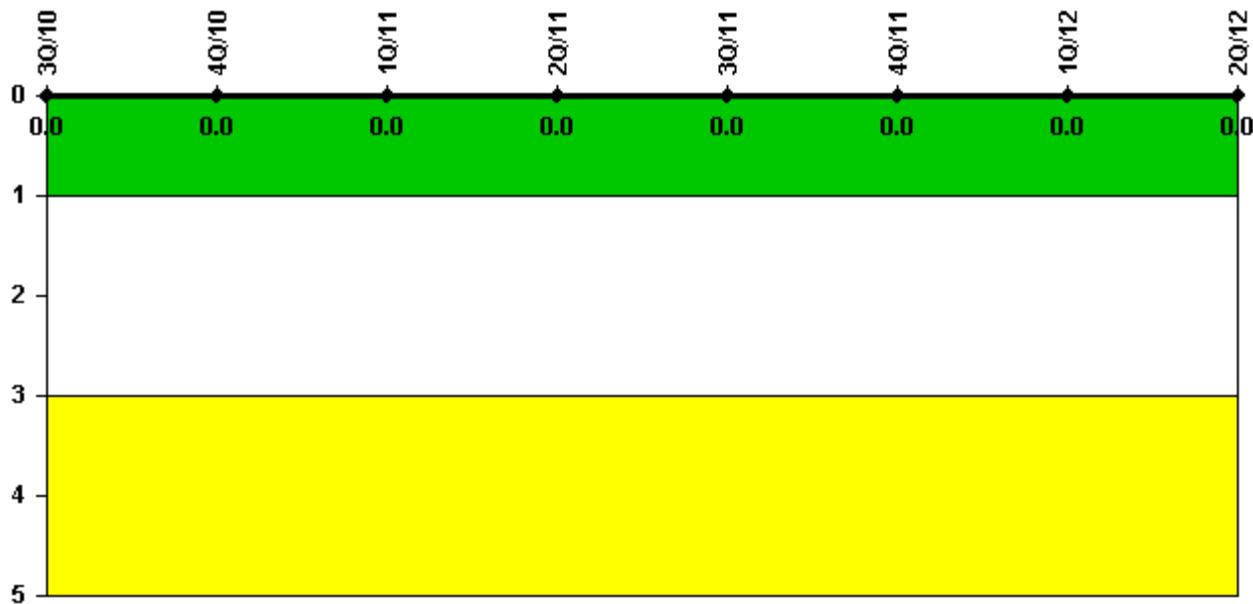
Thresholds: White > 2.0 Yellow > 5.0

### 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.

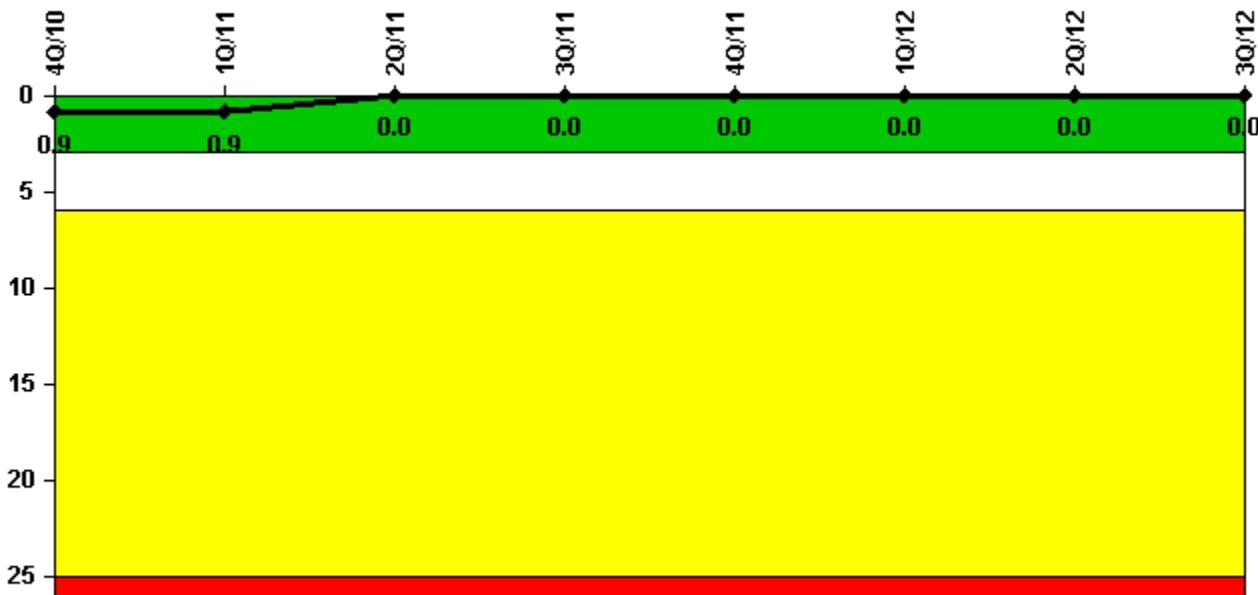
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[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

**Farley 2****3Q/2012 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

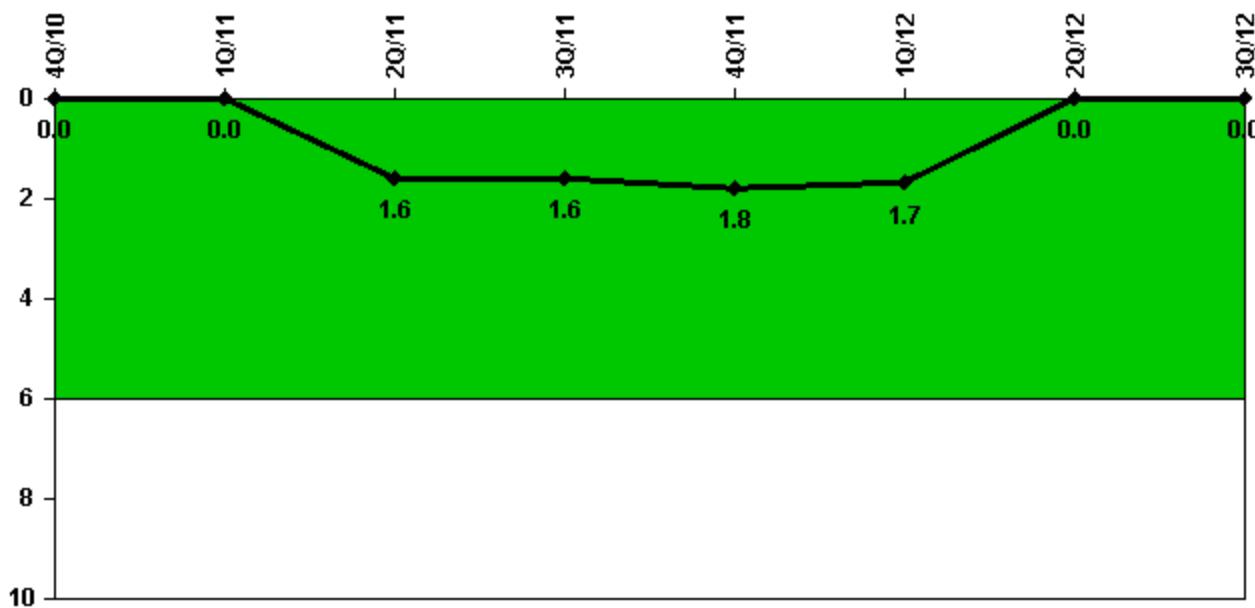
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

**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	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</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

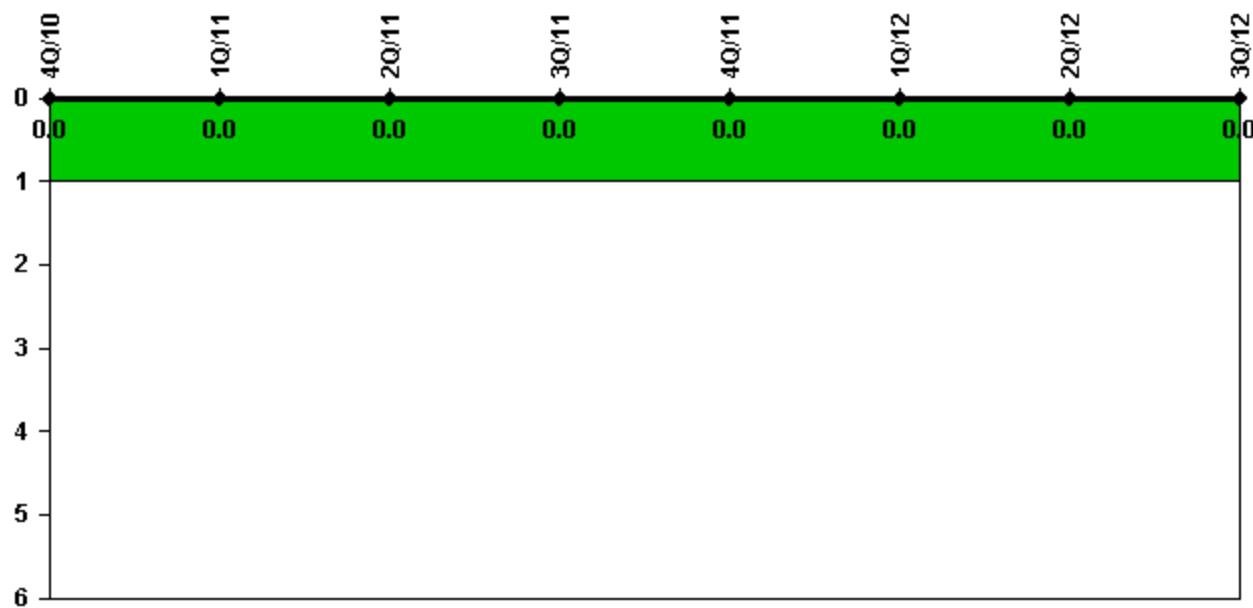
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	2.0	0	0	0	0	0
Critical hours	2209.0	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

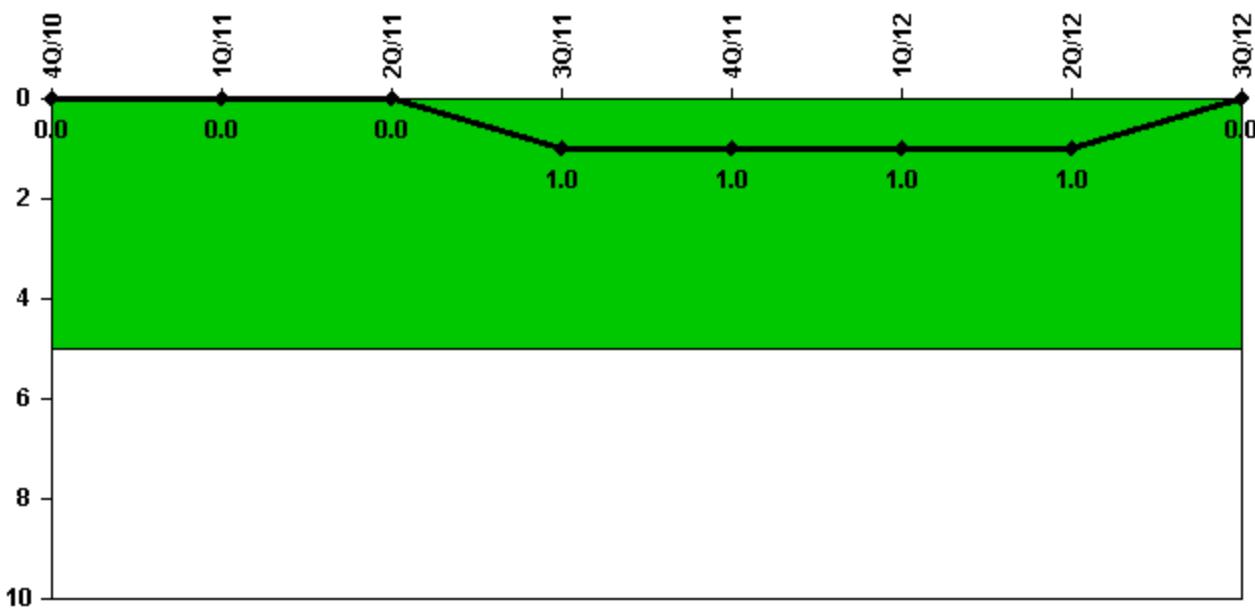
#### **Notes**

<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 (PWR)**



Thresholds: White > 5.0

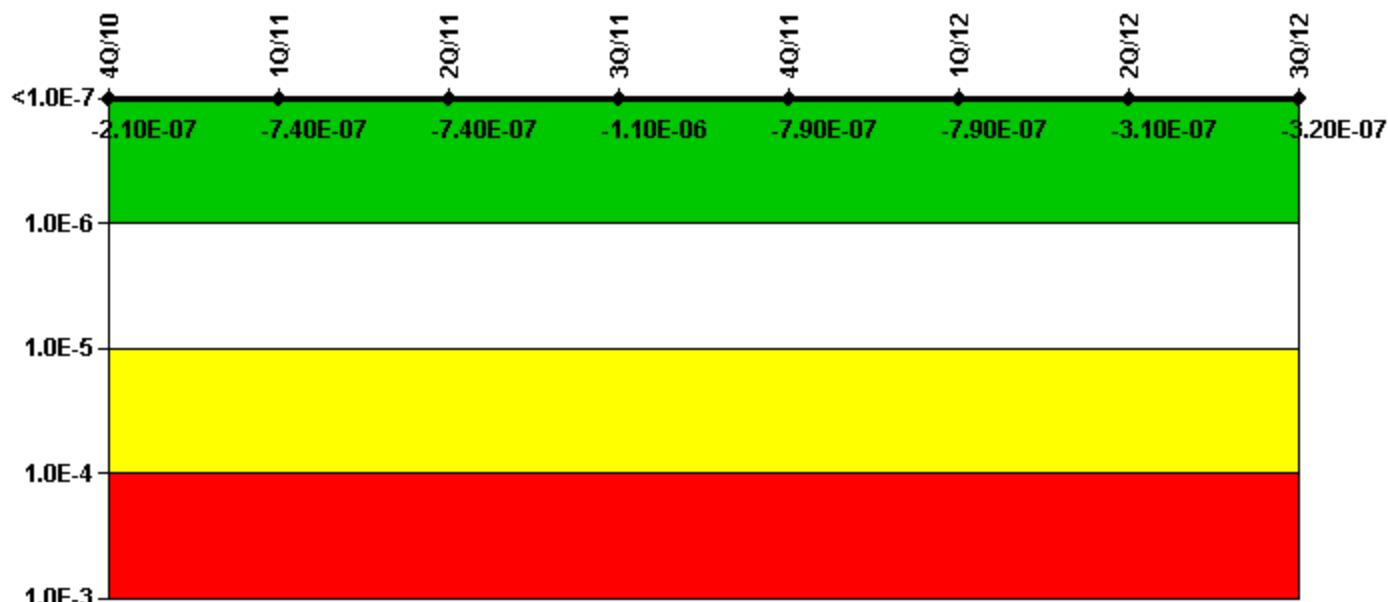
#### **Notes**

<b>Safety System Functional Failures (PWR)</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	1	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:

3Q/11: LER - 2011-001-00 Turbine Driven Auxiliary Feedwater Pump Inoperable

## Mitigating Systems Performance Index, Emergency AC Power System



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

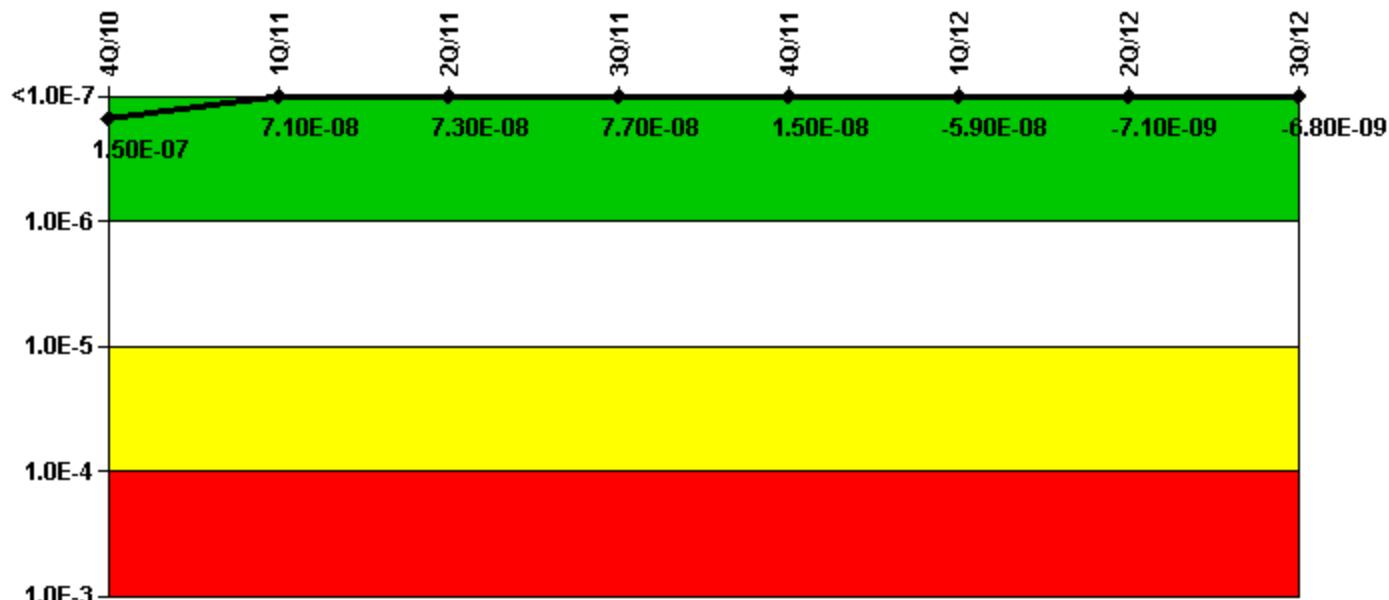
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	5.17E-07	-8.14E-09	-8.14E-09	-9.41E-08	-6.57E-08	-6.80E-08	-9.00E-09	-2.58E-08
URI ( $\Delta$ CDF)	-7.29E-07	-7.29E-07	-7.29E-07	-9.97E-07	-7.21E-07	-7.19E-07	-2.98E-07	-2.98E-07
PLE	NO							
Indicator value	<b>-2.10E-07</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>	<b>-3.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



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

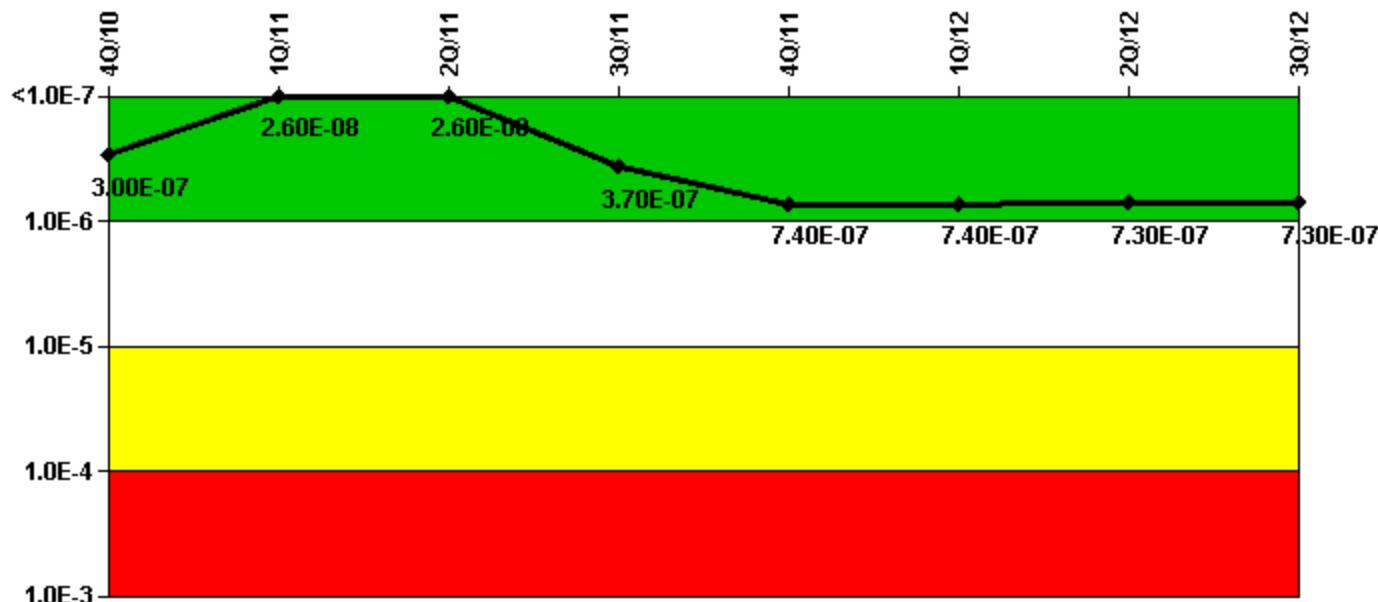
### Notes

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)	1.22E-07	4.05E-08	4.30E-08	4.69E-08	-1.48E-08	-2.68E-08	-2.60E-10	7.84E-11
URI ( $\Delta$ CDF)	3.01E-08	3.01E-08	3.01E-08	3.01E-08	3.01E-08	-3.22E-08	-6.89E-09	-6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-07	7.10E-08	7.30E-08	7.70E-08	1.50E-08	-5.90E-08	-7.10E-09	-6.80E-09

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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)	1.45E-07	-1.27E-07	-1.27E-07	-9.74E-08	-3.15E-08	-3.48E-08	-3.71E-10	-3.71E-10
URI ( $\Delta$ CDF)	1.53E-07	1.53E-07	1.53E-07	4.63E-07	7.74E-07	7.74E-07	7.28E-07	7.28E-07
PLE	NO							
<b>Indicator value</b>	<b>3.00E-07</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>	<b>7.40E-07</b>	<b>7.40E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>

### Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

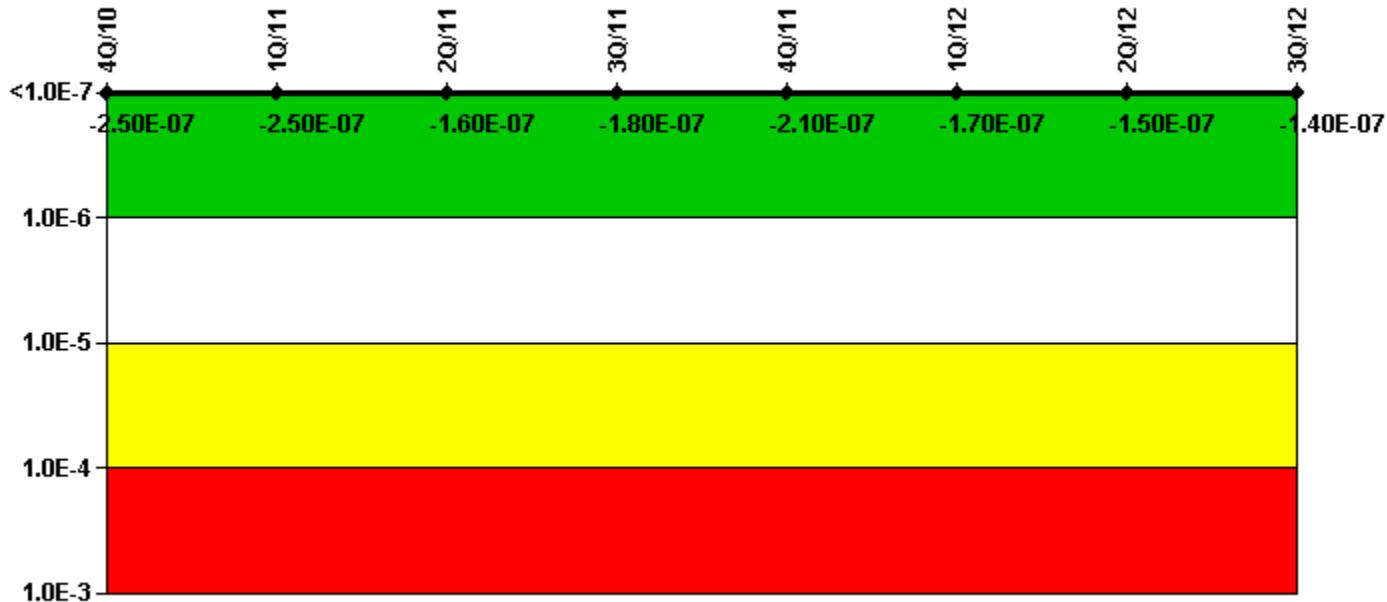
3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

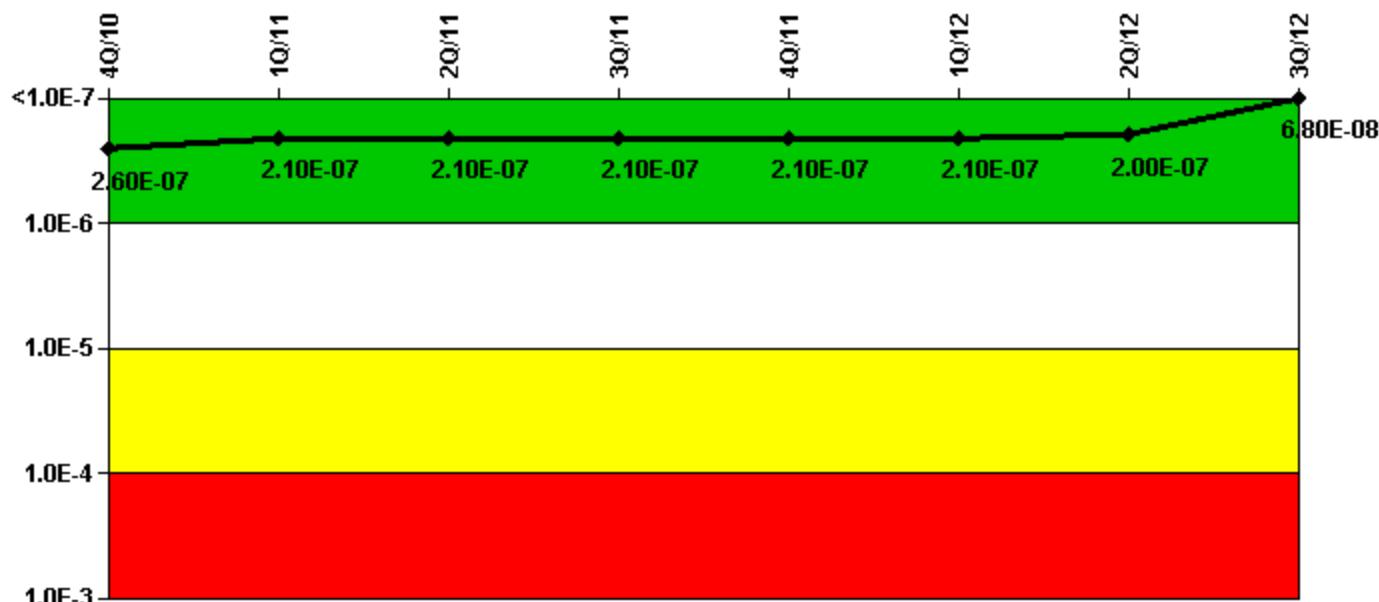
### Notes

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)	-6.89E-08	-6.95E-08	2.35E-08	4.59E-09	-2.61E-08	1.39E-08	-3.84E-09	4.34E-09
URI ( $\Delta$ CDF)	-1.85E-07	-1.85E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.47E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-2.50E-07</b>	<b>-2.50E-07</b>	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### Mitigating Systems Performance Index, Cooling Water Systems



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

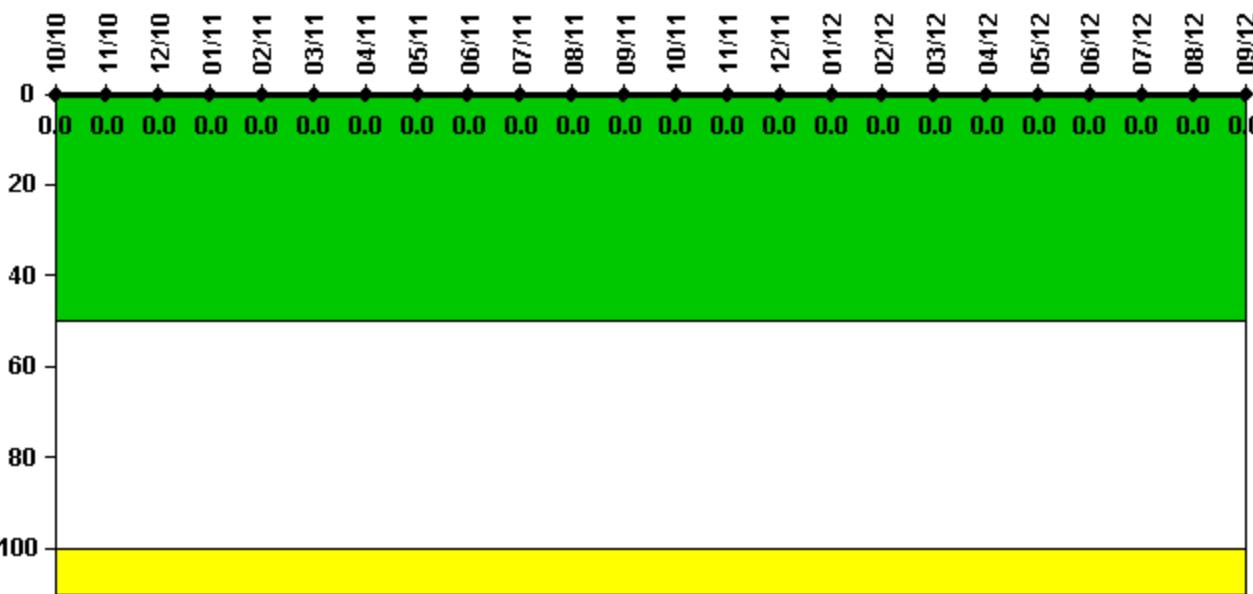
#### Notes

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)	8.99E-08	4.32E-08	4.28E-08	4.28E-08	4.25E-08	4.82E-08	4.10E-08	-1.07E-08
URI ( $\Delta$ CDF)	1.67E-07	1.66E-07	1.64E-07	1.64E-07	1.64E-07	1.64E-07	1.58E-07	7.88E-08
PLE	NO							
<b>Indicator value</b>	<b>2.60E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>	<b>6.80E-08</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Reactor Coolant System Activity



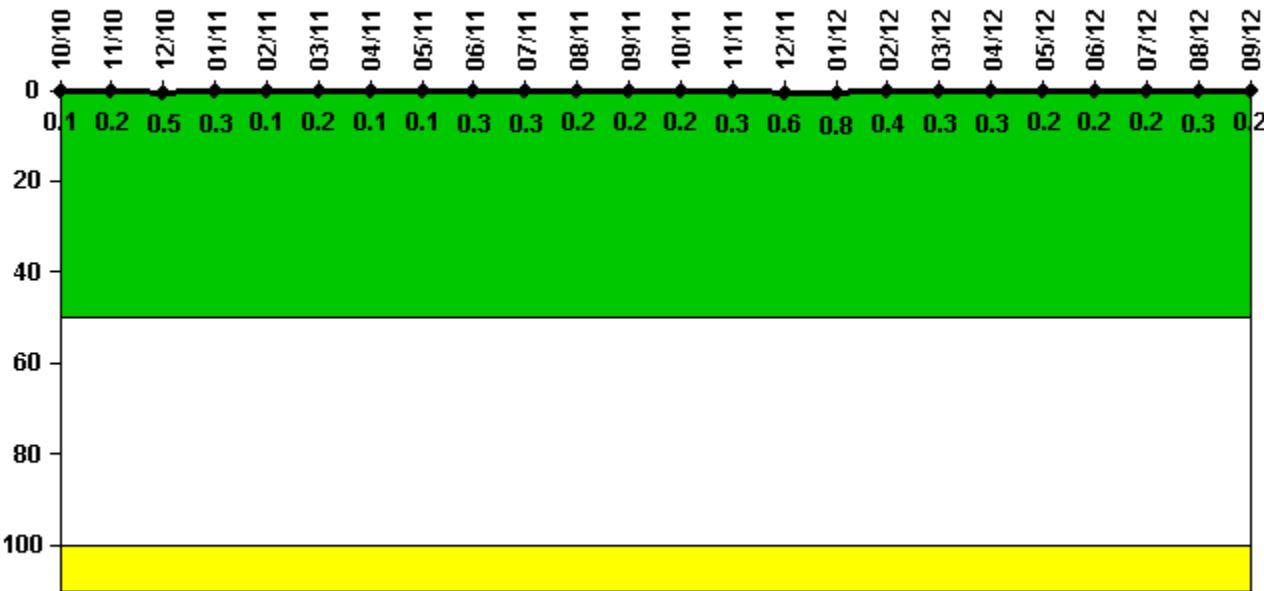
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000040	0.000052	0.000054	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



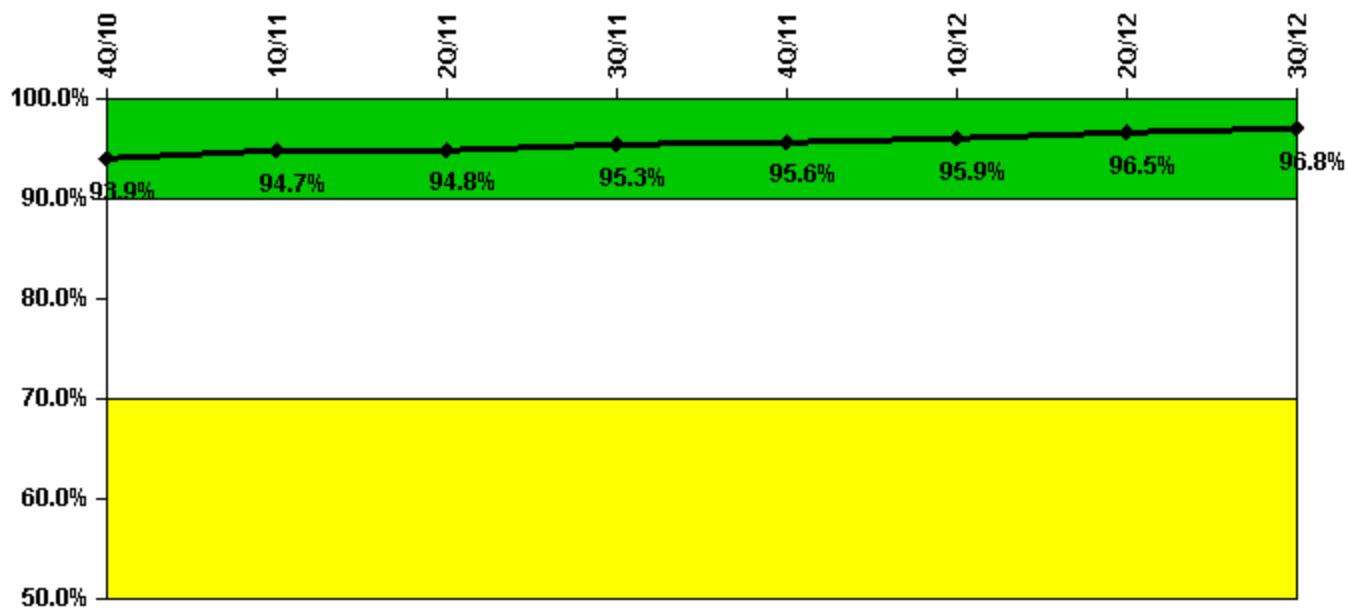
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.014	0.019	0.054	0.027	0.010	0.016	0.014	0.014	0.026	0.030	0.016	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>
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	0.017	0.032	0.059	0.079	0.044	0.034	0.025	0.022	0.021	0.015	0.025	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

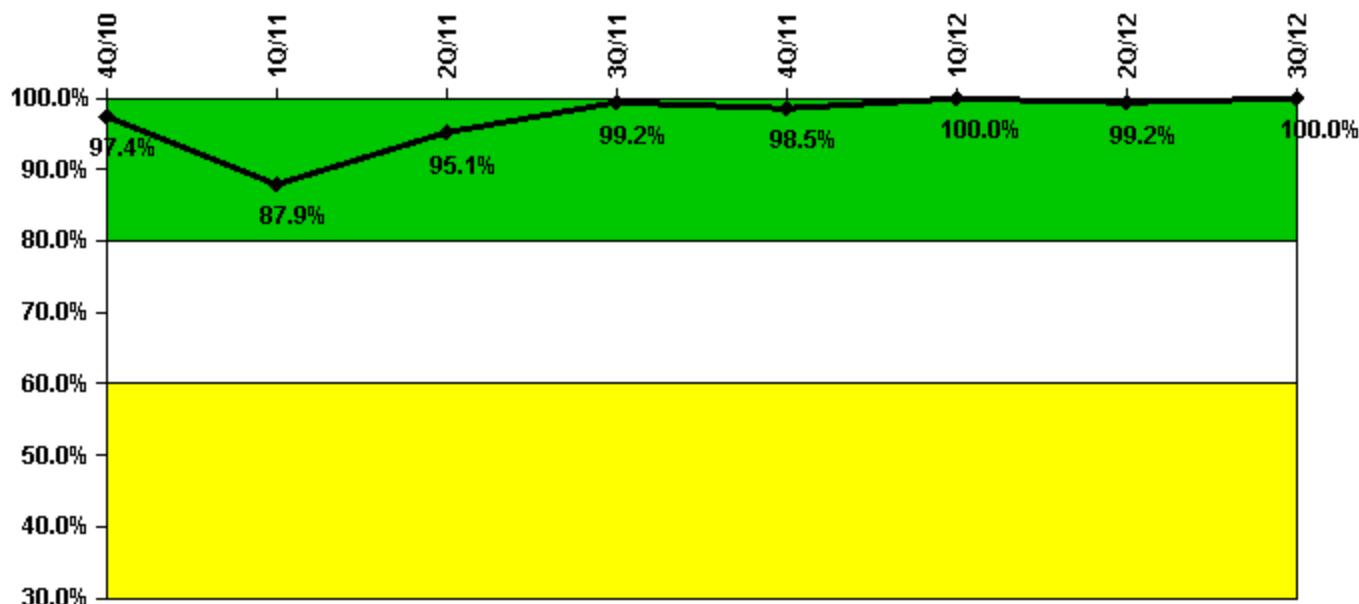
#### Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	11.0	31.0	59.0	55.0	28.0	39.0	14.0	62.0
Total opportunities	11.0	34.0	61.0	56.0	28.0	40.0	15.0	64.0
Indicator value	93.9%	94.7%	94.8%	95.3%	95.6%	95.9%	96.5%	96.8%

Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

### **ERO Drill Participation**



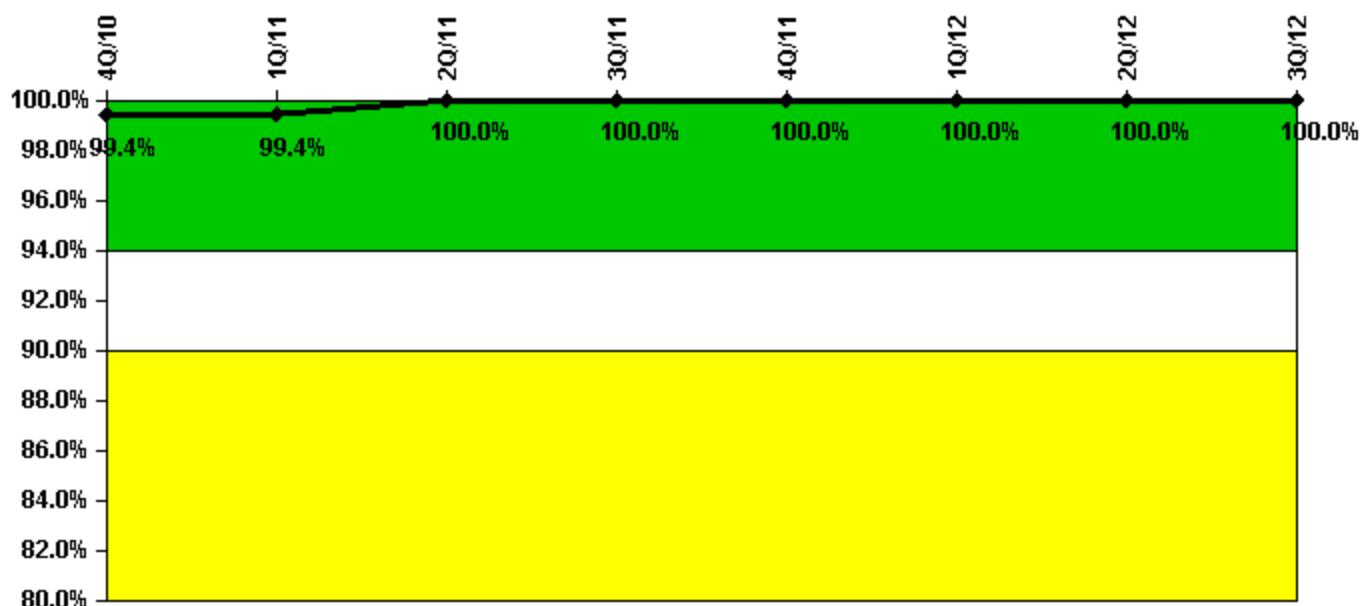
Thresholds: White < 80.0% Yellow < 60.0%

#### **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	111.0	109.0	116.0	128.0	134.0	130.0	127.0	123.0
Total Key personnel	114.0	124.0	122.0	129.0	136.0	130.0	128.0	123.0
<b>Indicator value</b>	<b>97.4%</b>	<b>87.9%</b>	<b>95.1%</b>	<b>99.2%</b>	<b>98.5%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System



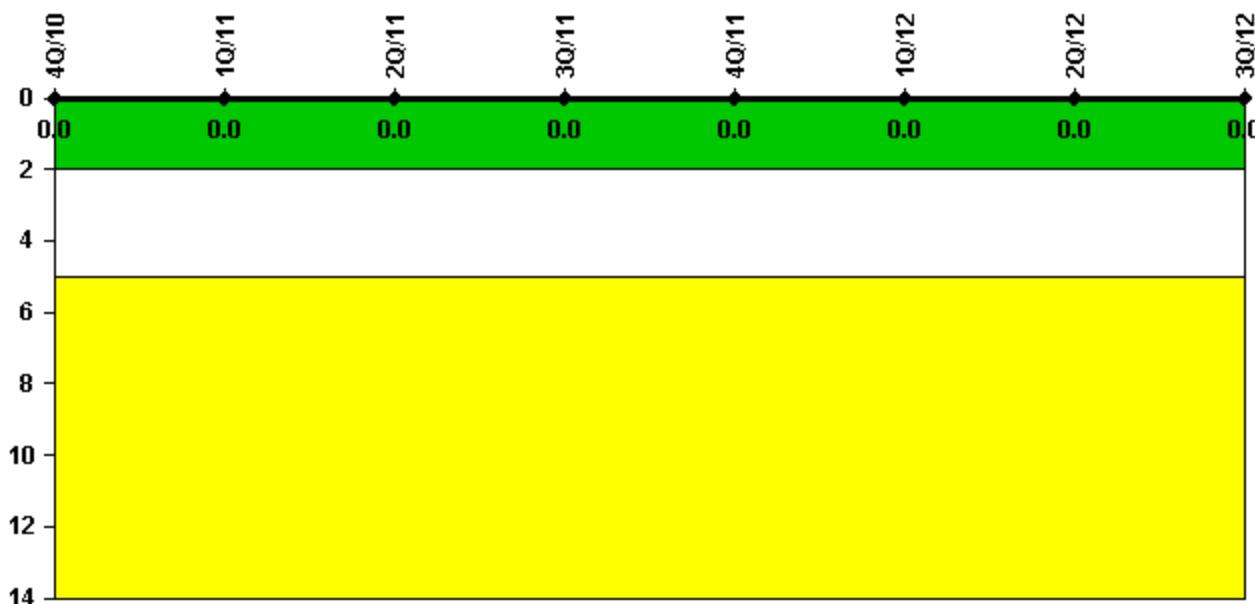
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	42	39	42	42	42	42	42	39
Total sirens-tests	42	39	42	42	42	42	42	39
<b>Indicator value</b>	<b>99.4%</b>	<b>99.4%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

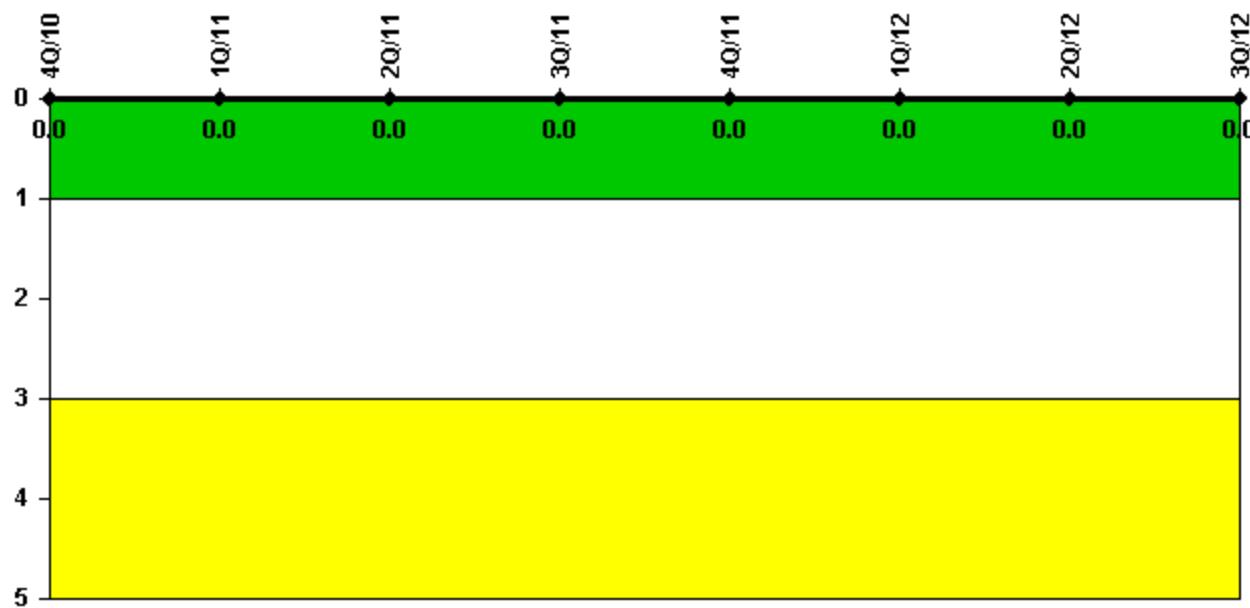
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
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/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

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.

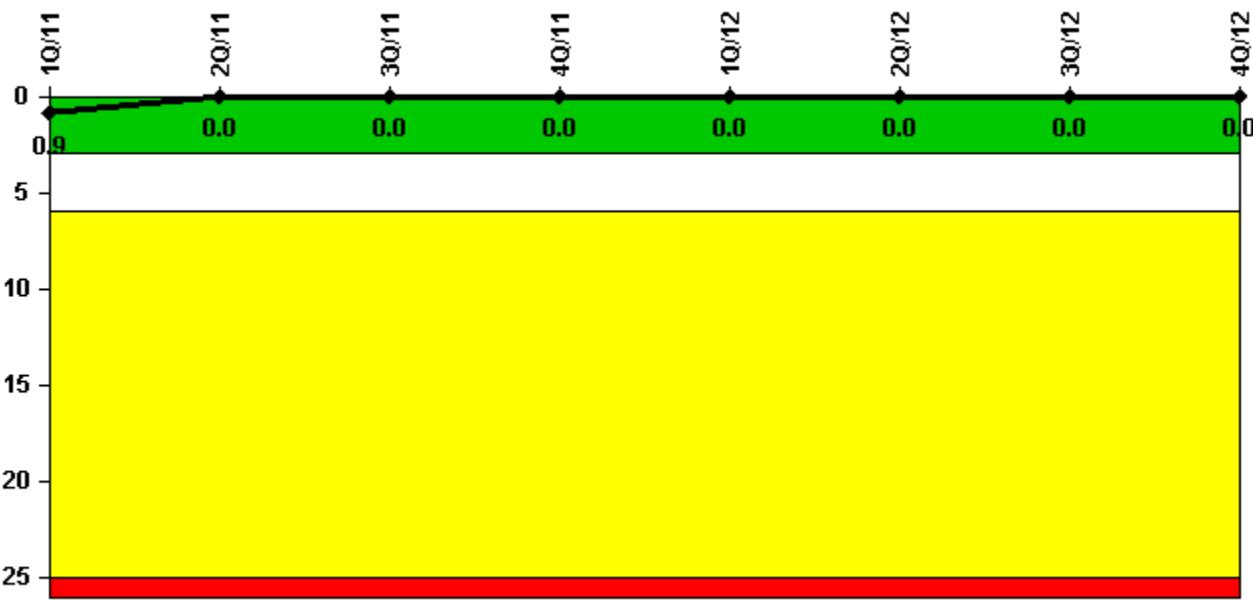


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 24, 2012*

**Farley 2****4Q/2012 Performance Indicators**

Licensee's General Comments: none

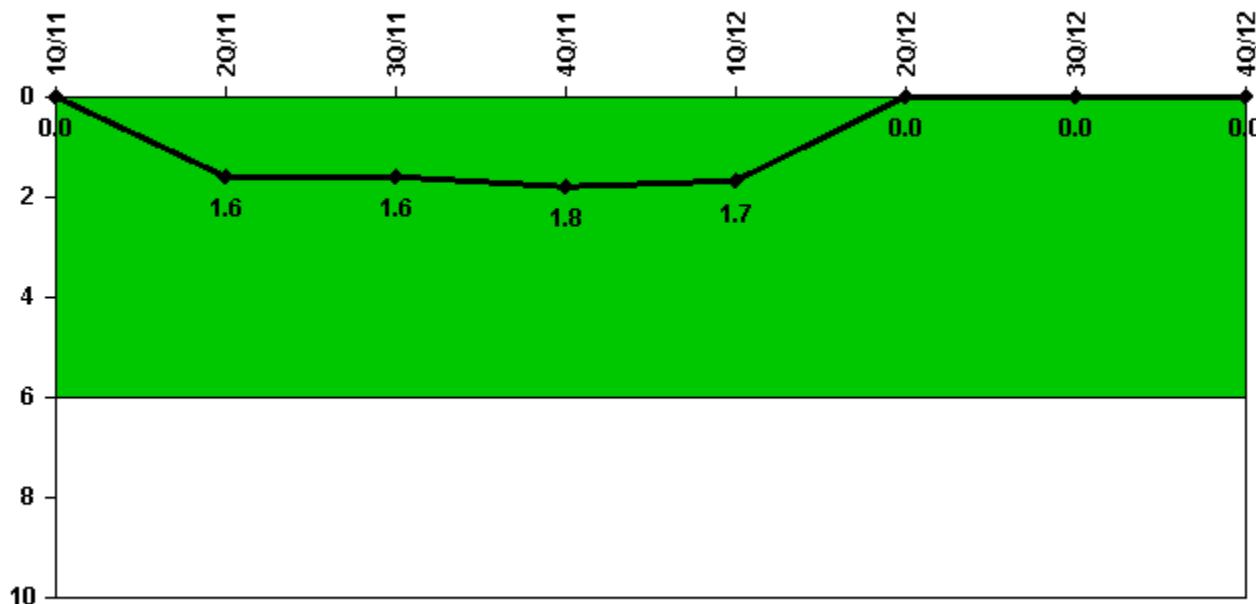
**Unplanned Scrams per 7000 Critical Hrs**

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	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0
<b>Indicator value</b>	<b>0.9</b>	<b>0</b>						

Licensee Comments: none

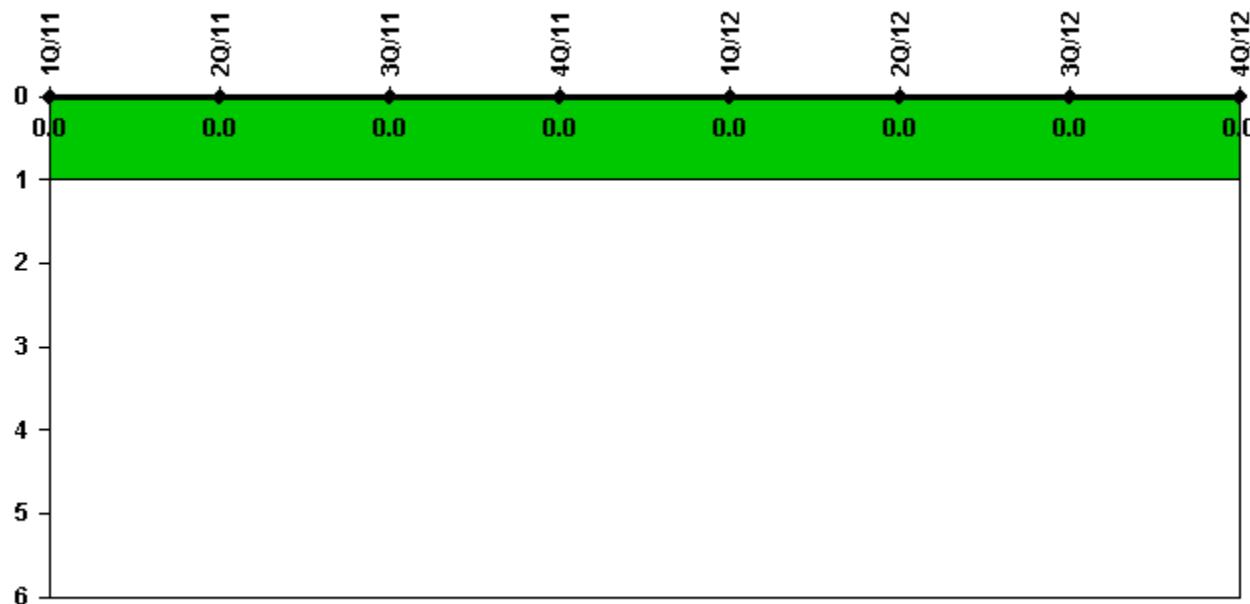
**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White &gt; 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	0	2.0	0	0	0	0	0	0
Critical hours	2023.9	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

**Unplanned Scrams with Complications**

Thresholds: White > 1.0

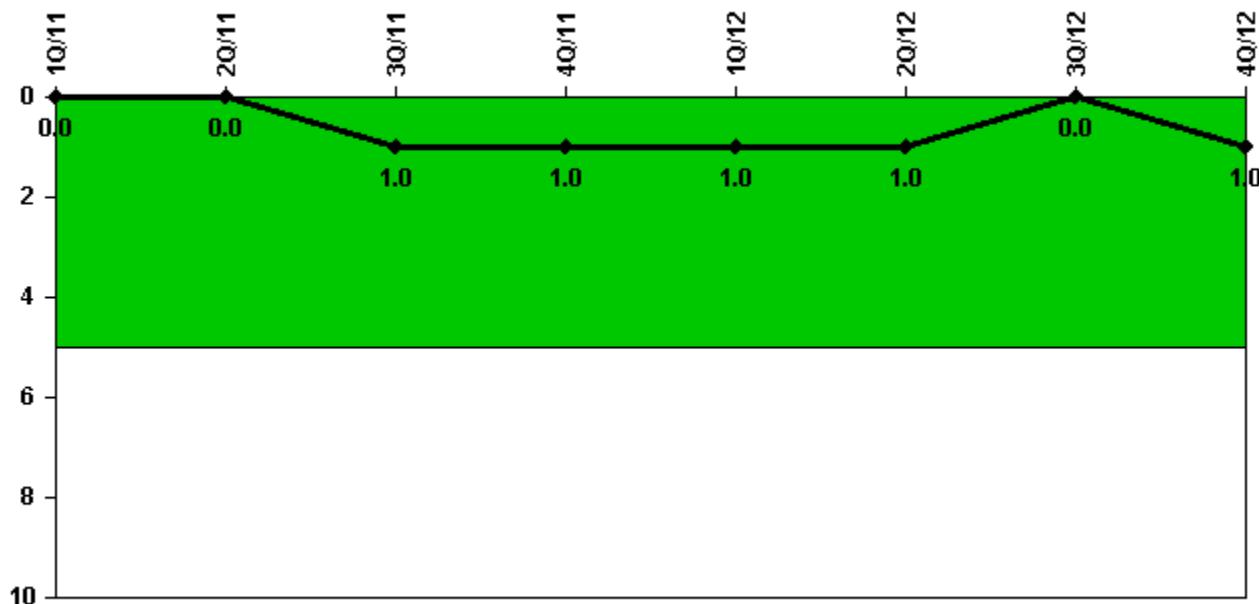
**Notes**

Unplanned Scrams with Complications	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 (PWR)



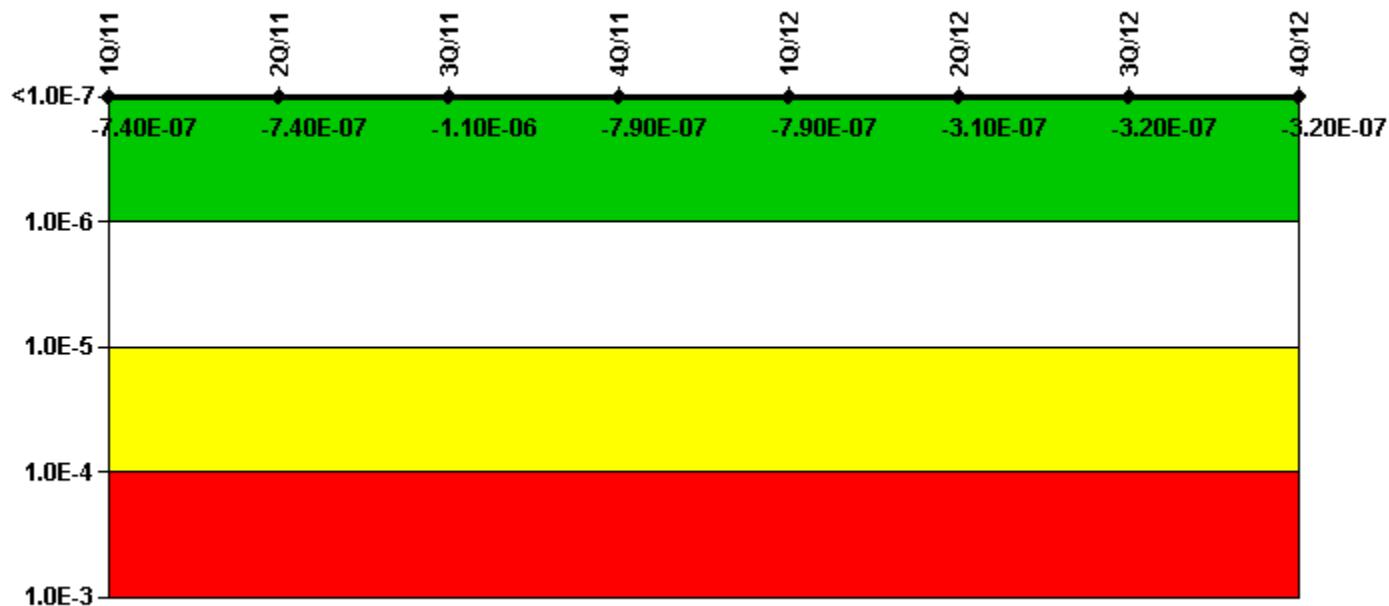
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	0	0	1	0	0	0	0	1
Indicator value	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>

Licensee Comments:

3Q/11: LER - 2011-001-00 Turbine Driven Auxiliary Feedwater Pump Inoperable

**Mitigating Systems Performance Index, Emergency AC Power System**

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

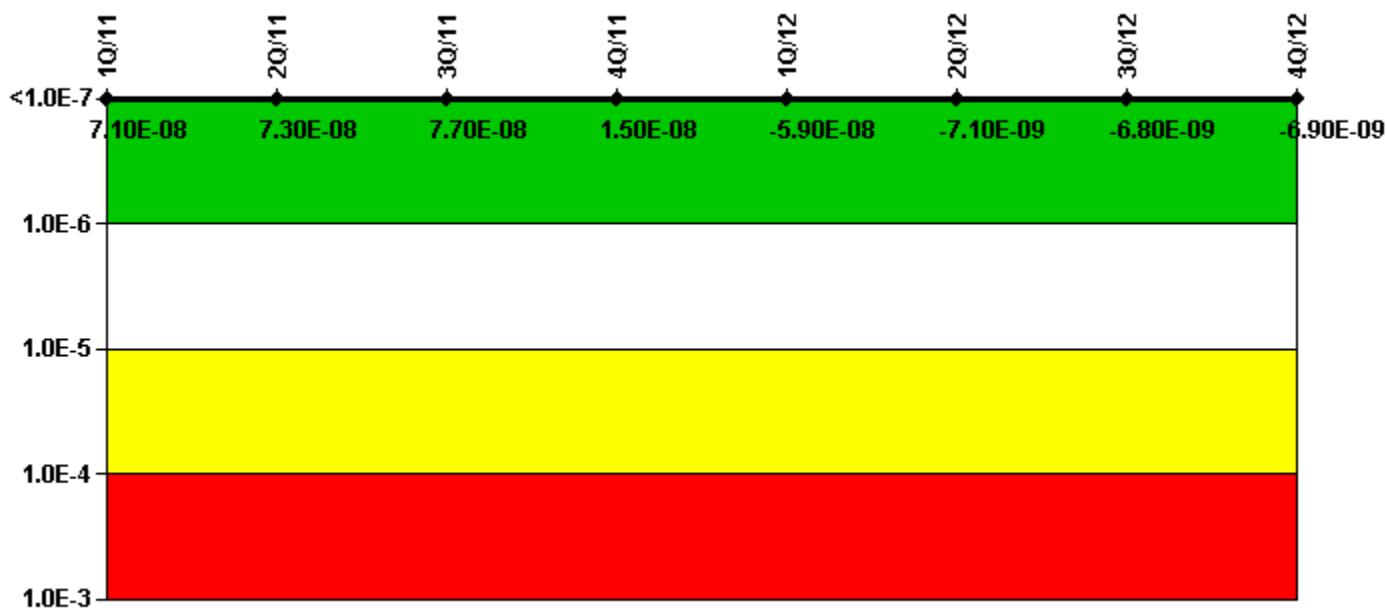
**Notes**

Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-8.14E-09	-8.14E-09	-9.41E-08	-6.57E-08	-6.80E-08	-9.00E-09	-2.58E-08	-2.58E-08
URI ( $\Delta$ CDF)	-7.29E-07	-7.29E-07	-9.97E-07	-7.21E-07	-7.19E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO							
<b>Indicator value</b>	<b>-7.40E-07</b>	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



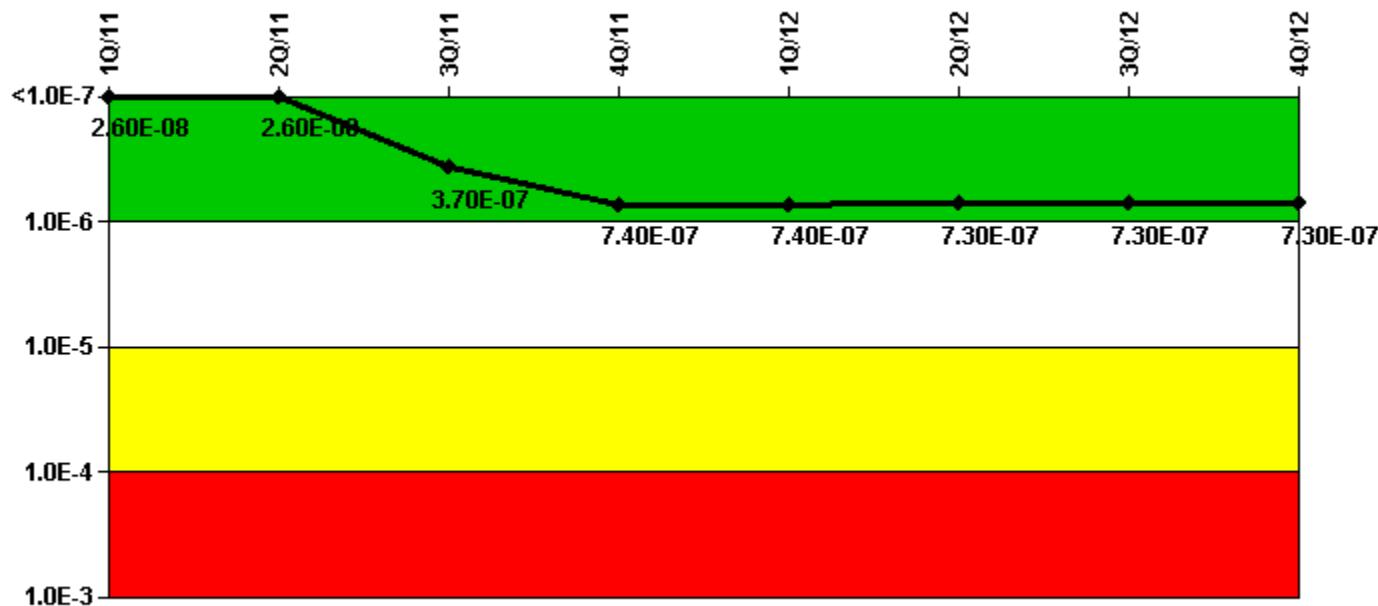
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	4.05E-08	4.30E-08	4.69E-08	-1.48E-08	-2.68E-08	-2.60E-10	7.84E-11	1.94E-11
URI ( $\Delta$ CDF)	3.01E-08	3.01E-08	3.01E-08	3.01E-08	-3.22E-08	-6.89E-09	-6.89E-09	-6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.10E-08</b>	<b>7.30E-08</b>	<b>7.70E-08</b>	<b>1.50E-08</b>	<b>-5.90E-08</b>	<b>-7.10E-09</b>	<b>-6.80E-09</b>	<b>-6.90E-09</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

**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)	-1.27E-07	-1.27E-07	-9.74E-08	-3.15E-08	-3.48E-08	-3.71E-10	-3.71E-10	-6.13E-10
URI ( $\Delta$ CDF)	1.53E-07	1.53E-07	4.63E-07	7.74E-07	7.74E-07	7.28E-07	7.28E-07	7.28E-07
PLE	NO							
<b>Indicator value</b>	<b>2.60E-08</b>	<b>2.60E-08</b>	<b>3.70E-07</b>	<b>7.40E-07</b>	<b>7.40E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>

## Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

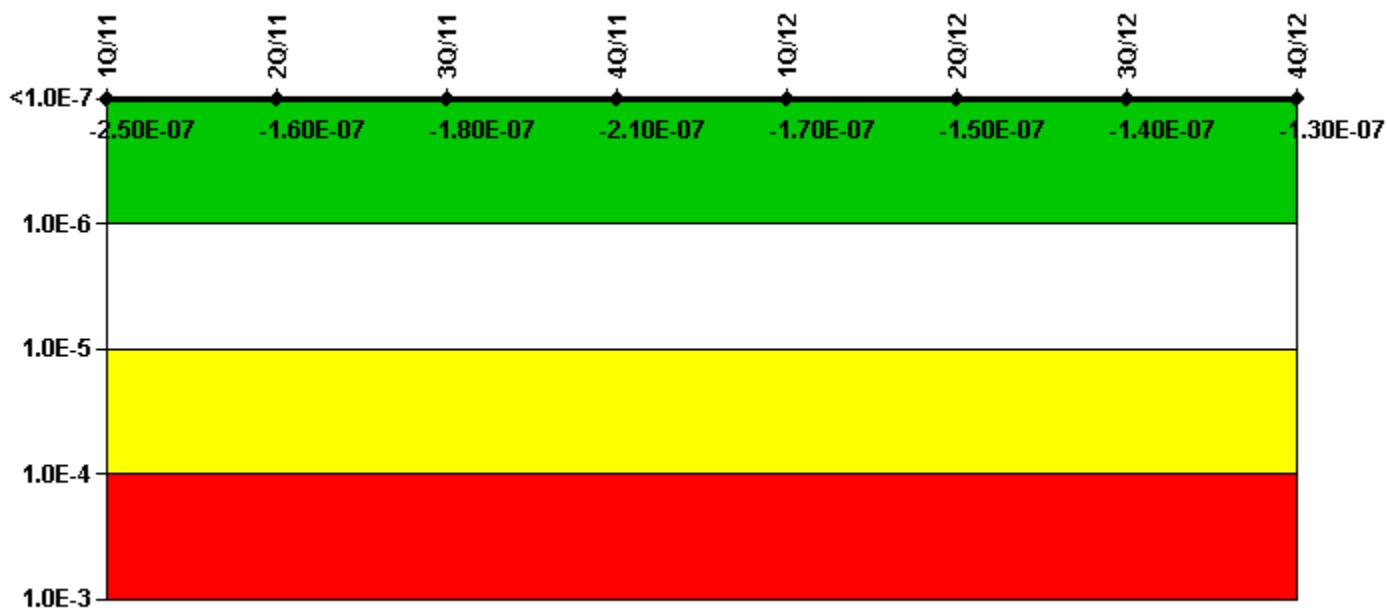
4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



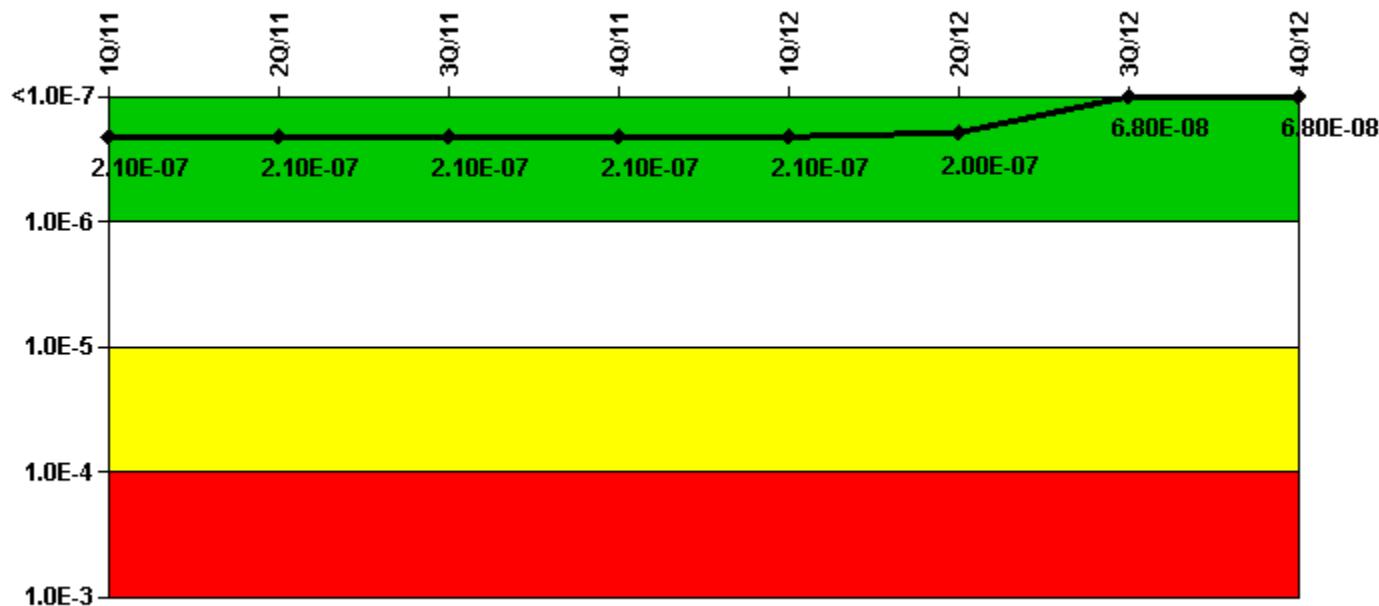
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-6.95E-08	2.35E-08	4.59E-09	-2.61E-08	1.39E-08	-3.84E-09	4.34E-09	1.48E-08
URI ( $\Delta$ CDF)	-1.85E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.84E-07	-1.47E-07	-1.47E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-2.50E-07</b>	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

**Mitigating Systems Performance Index, Cooling Water Systems**

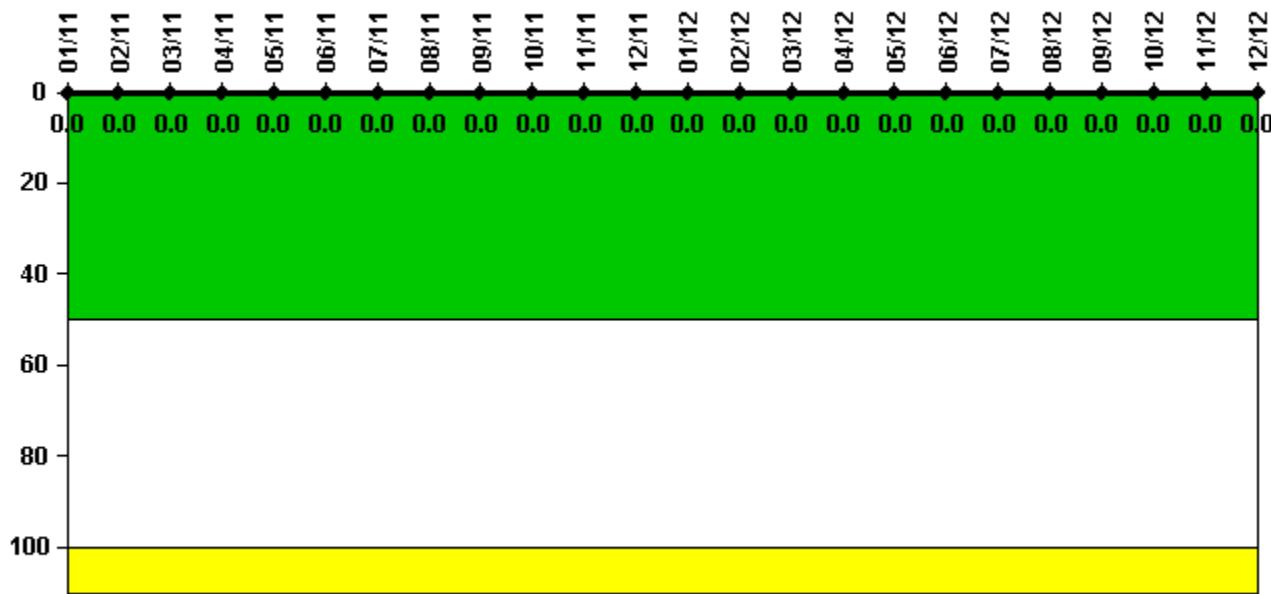
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**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)	4.32E-08	4.28E-08	4.28E-08	4.25E-08	4.82E-08	4.10E-08	-1.07E-08	-1.07E-08
URI ( $\Delta$ CDF)	1.66E-07	1.64E-07	1.64E-07	1.64E-07	1.64E-07	1.58E-07	7.88E-08	7.88E-08
PLE	NO							
<b>Indicator value</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>	<b>6.80E-08</b>	<b>6.80E-08</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

**Reactor Coolant System Activity**

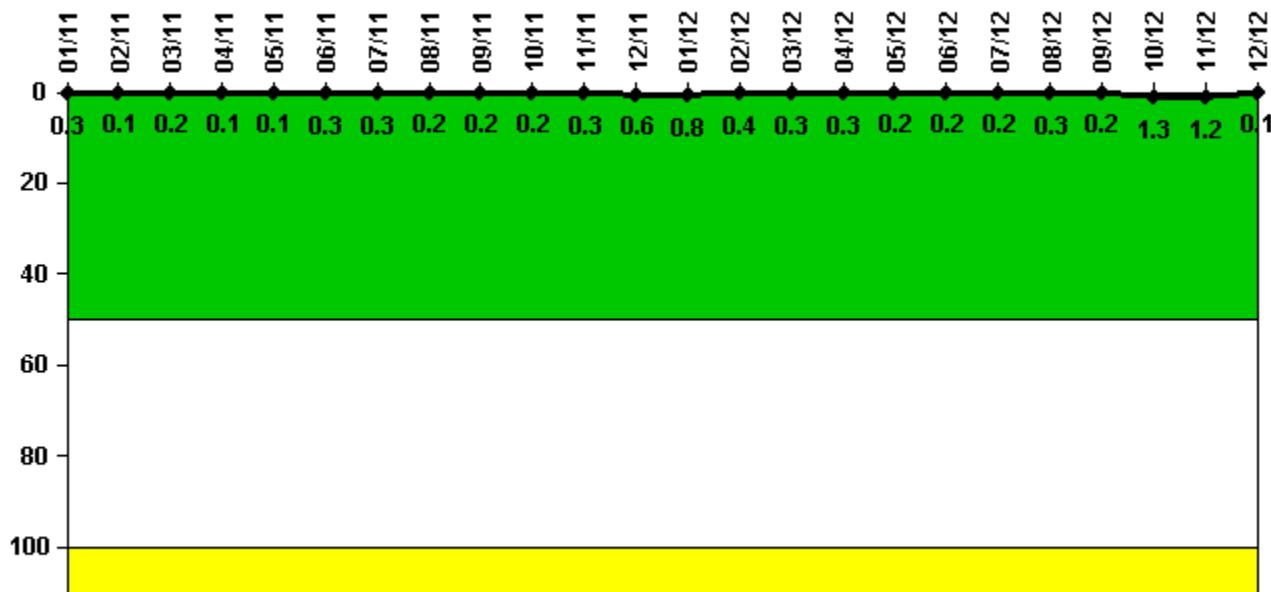
Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**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	0.000061	0.000048	0.000046	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<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	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage

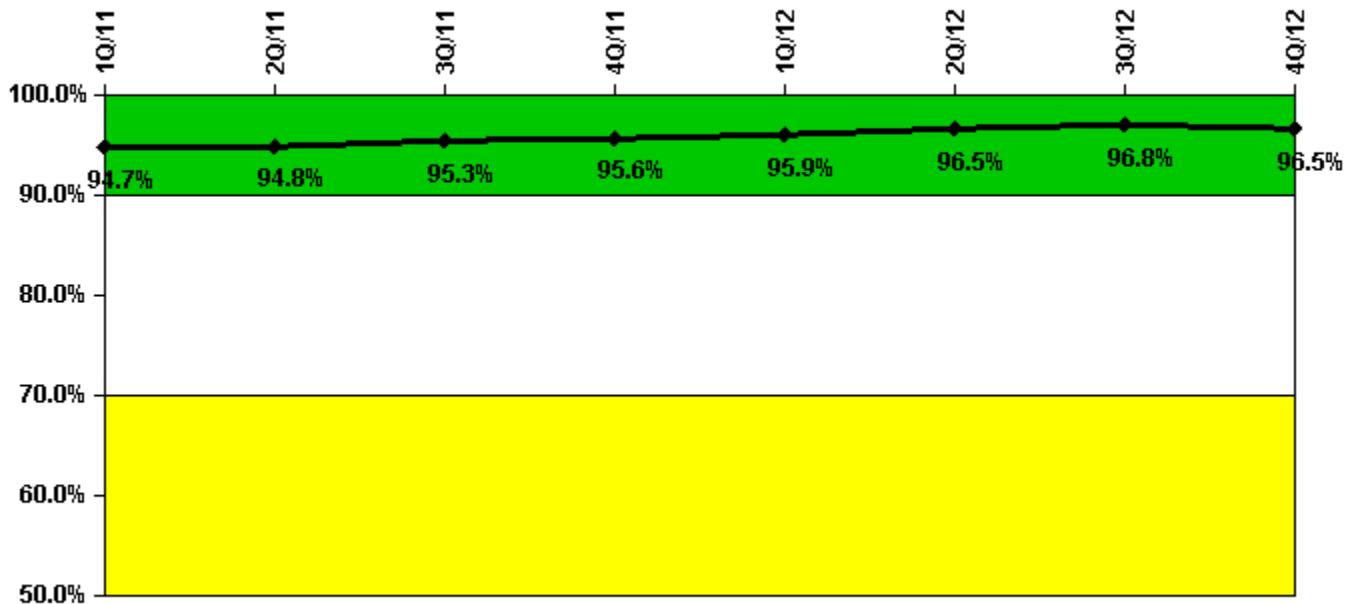


Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.027	0.010	0.016	0.014	0.014	0.026	0.030	0.016	0.019	0.017	0.032	0.059
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</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	0.079	0.044	0.034	0.025	0.022	0.021	0.015	0.025	0.019	0.125	0.121	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>1.3</b>	<b>1.2</b>	<b>0.1</b>

Licensee Comments: none

**Drill/Exercise Performance**

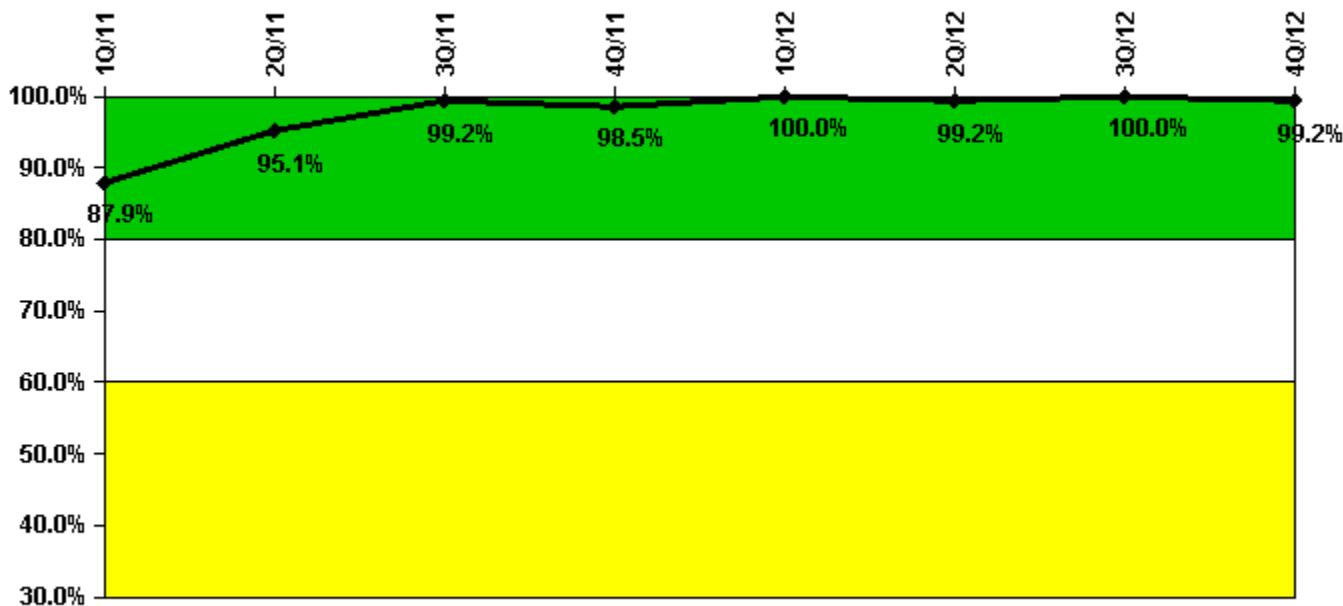
Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	31.0	59.0	55.0	28.0	39.0	14.0	62.0	45.0
Total opportunities	34.0	61.0	56.0	28.0	40.0	15.0	64.0	47.0
<b>Indicator value</b>	<b>94.7%</b>	<b>94.8%</b>	<b>95.3%</b>	<b>95.6%</b>	<b>95.9%</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.5%</b>

## Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

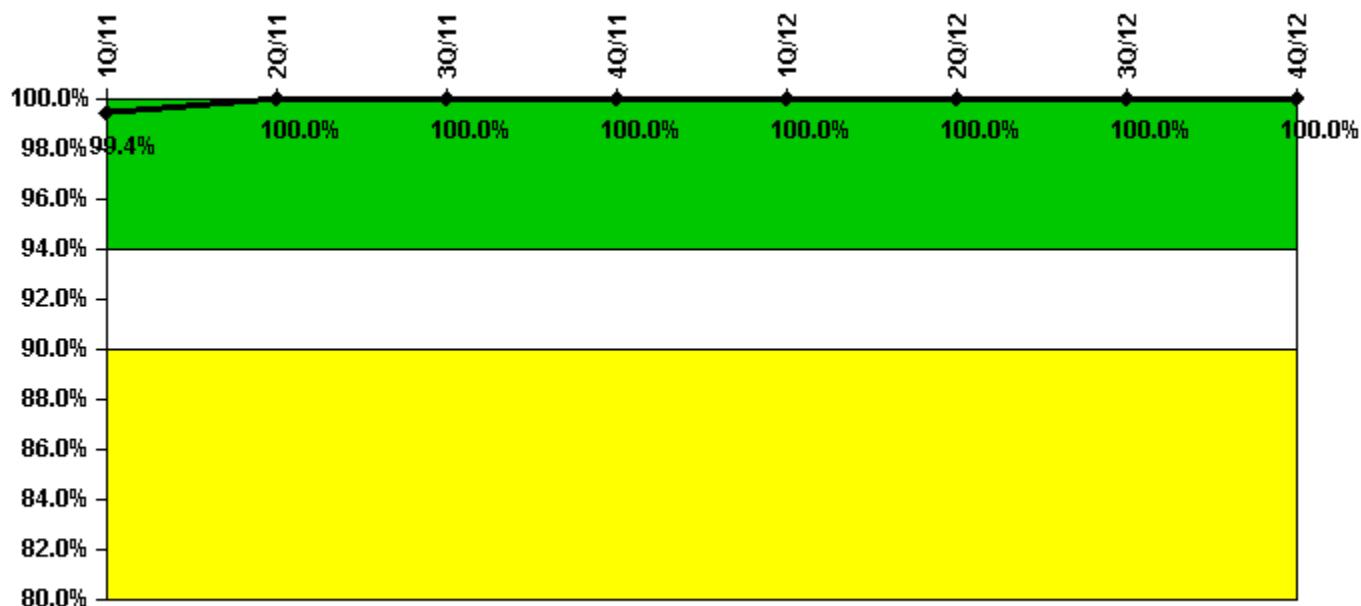
**Notes**

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	109.0	116.0	128.0	134.0	130.0	127.0	123.0	122.0
Total Key personnel	124.0	122.0	129.0	136.0	130.0	128.0	123.0	123.0
Indicator value	87.9%	95.1%	99.2%	98.5%	100.0%	99.2%	100.0%	99.2%

Licensee Comments: none

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## Alert & Notification System



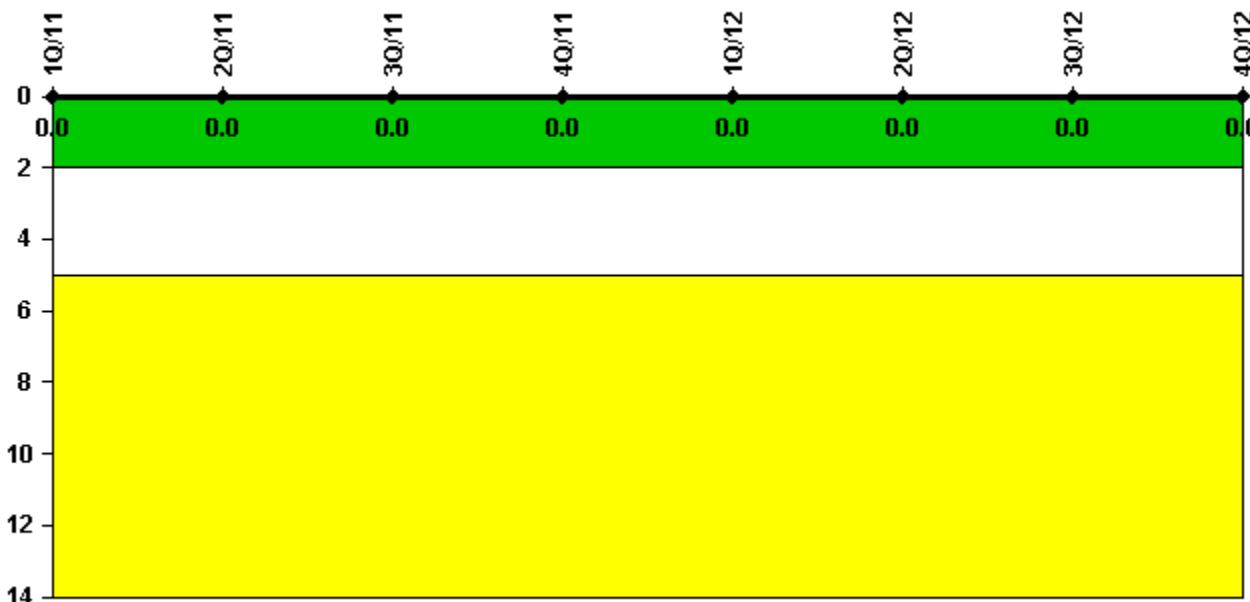
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	39	42	42	42	42	42	39	42
Total sirens-tests	39	42	42	42	42	42	39	42
<b>Indicator value</b>	<b>99.4%</b>	<b>100.0%</b>						

Licensee Comments: none

## Occupational Exposure Control Effectiveness



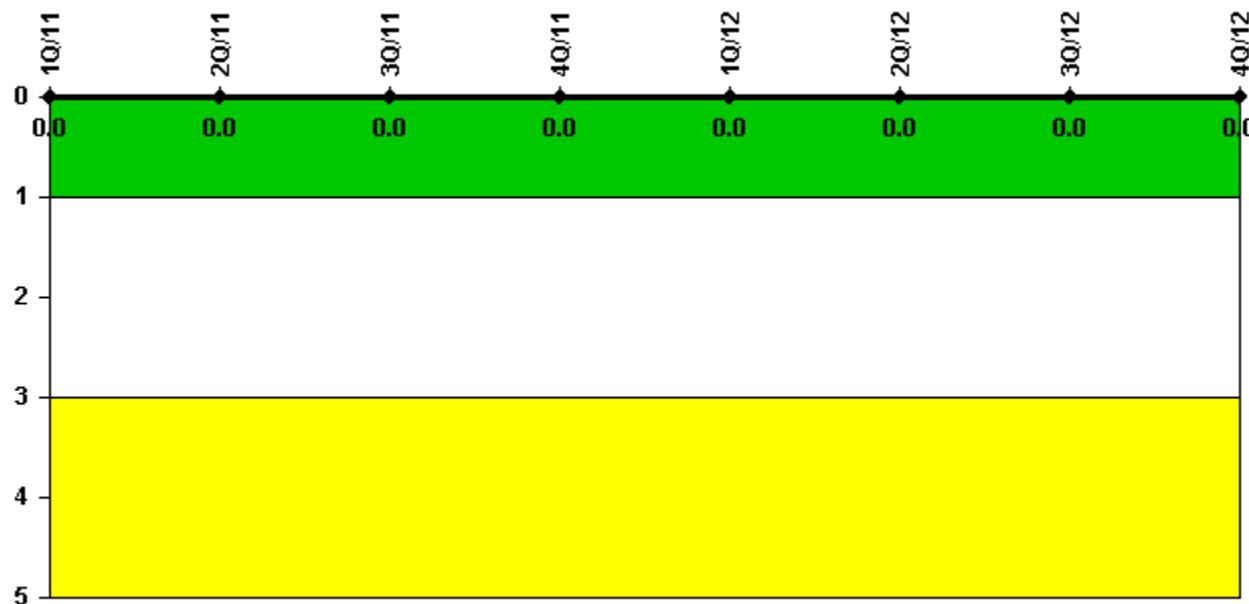
Thresholds: White > 2.0 Yellow > 5.0

### 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](#)

**Farley 2****1Q/2013 Performance Indicators**

Licensee's General Comments: none

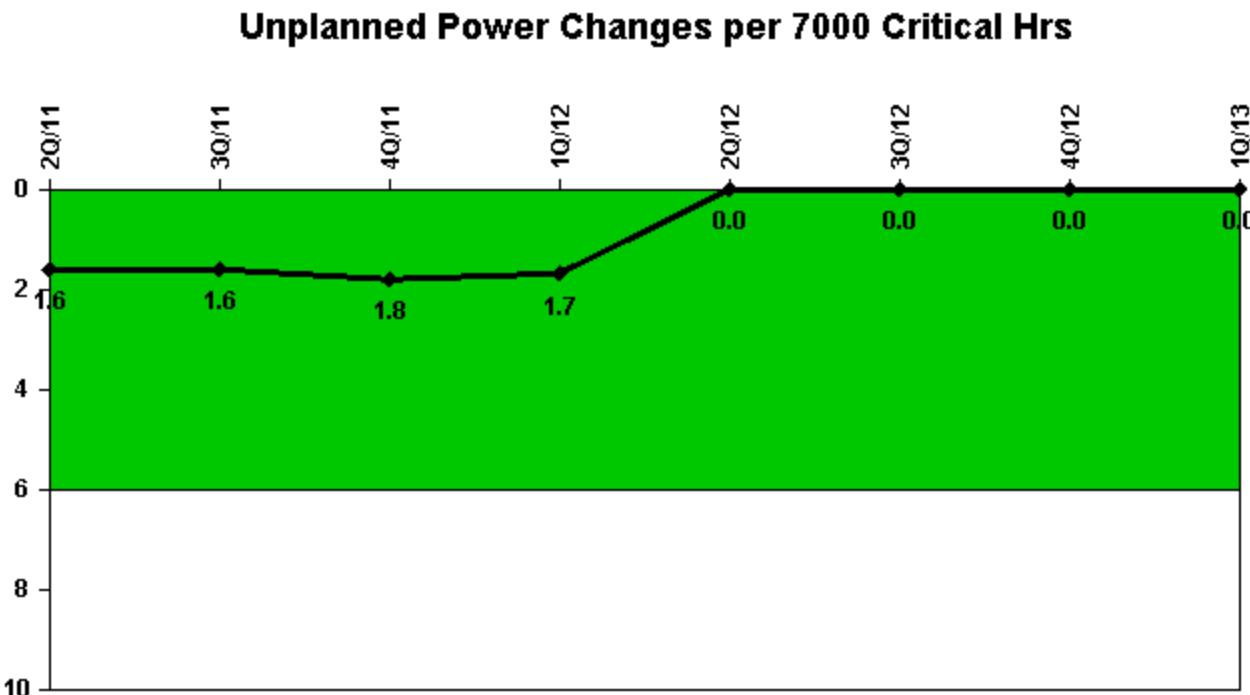
**Unplanned Scrams per 7000 Critical Hrs**

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	0
Critical hours	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none



Thresholds: White > 6.0

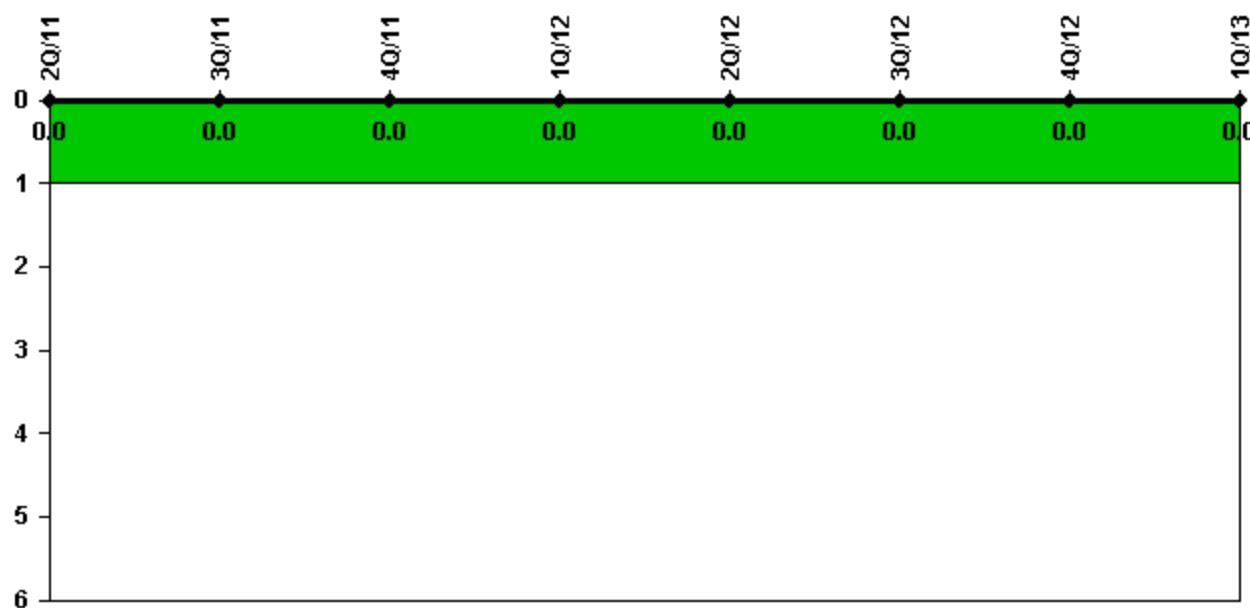
### Notes

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	2.0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0
<b>Indicator value</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

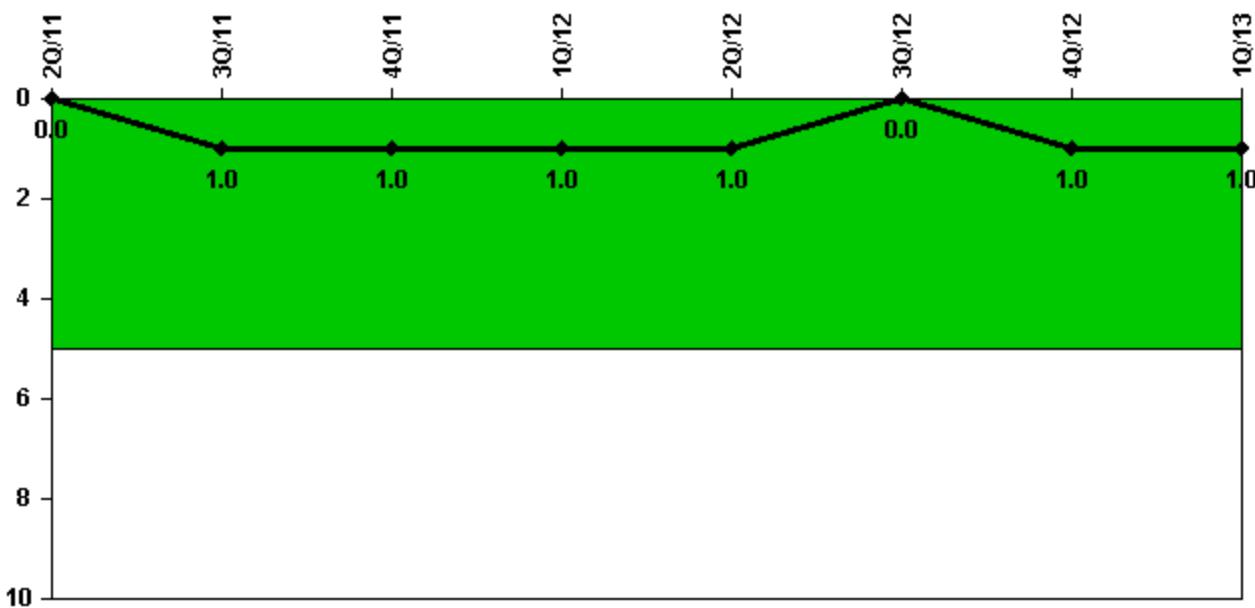
#### **Notes**

<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 (PWR)**



Thresholds: White > 5.0

#### **Notes**

<b>Safety System Functional Failures (PWR)</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	1	0	0	0	0	1	0
<b>Indicator value</b>	<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:

3Q/11: LER - 2011-001-00 Turbine Driven Auxiliary Feedwater Pump Inoperable

## Mitigating Systems Performance Index, Emergency AC Power System



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

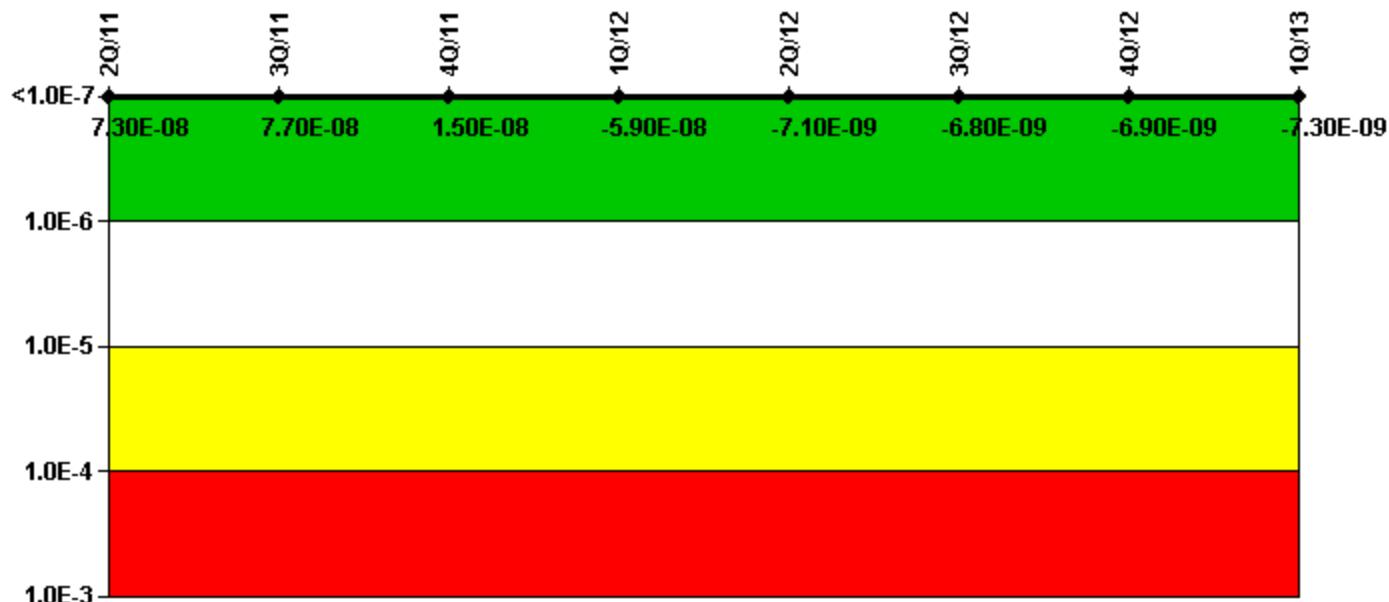
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	-8.14E-09	-9.41E-08	-6.57E-08	-6.80E-08	-9.00E-09	-2.58E-08	-2.58E-08	-2.58E-08
URI ( $\Delta$ CDF)	-7.29E-07	-9.97E-07	-7.21E-07	-7.19E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO							
Indicator value	<b>-7.40E-07</b>	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



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

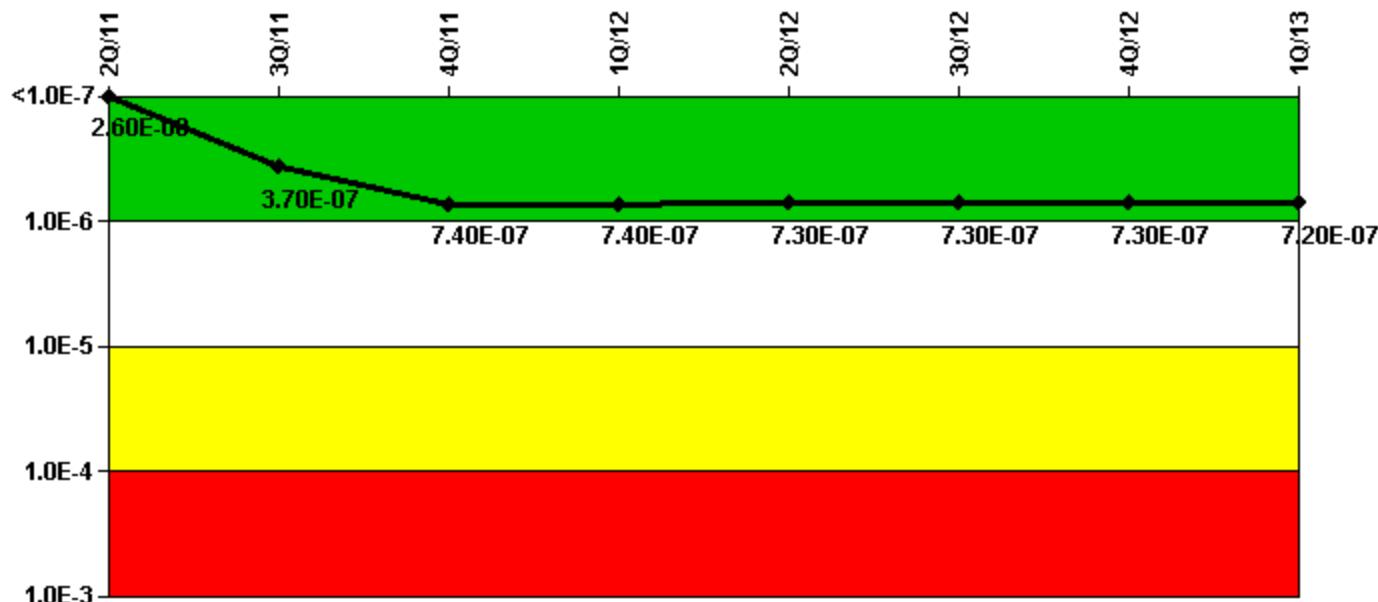
### Notes

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)	4.30E-08	4.69E-08	-1.48E-08	-2.68E-08	-2.60E-10	7.84E-11	1.94E-11	-4.00E-10
URI ( $\Delta$ CDF)	3.01E-08	3.01E-08	3.01E-08	-3.22E-08	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.30E-08</b>	<b>7.70E-08</b>	<b>1.50E-08</b>	<b>-5.90E-08</b>	<b>-7.10E-09</b>	<b>-6.80E-09</b>	<b>-6.90E-09</b>	<b>-7.30E-09</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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)	-1.27E-07	-9.74E-08	-3.15E-08	-3.48E-08	-3.71E-10	-3.71E-10	-6.13E-10	-3.95E-09
URI ( $\Delta$ CDF)	1.53E-07	4.63E-07	7.74E-07	7.74E-07	7.28E-07	7.28E-07	7.28E-07	7.28E-07
PLE	NO							
Indicator value	2.60E-08	3.70E-07	7.40E-07	7.40E-07	7.30E-07	7.30E-07	7.30E-07	7.20E-07

### Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

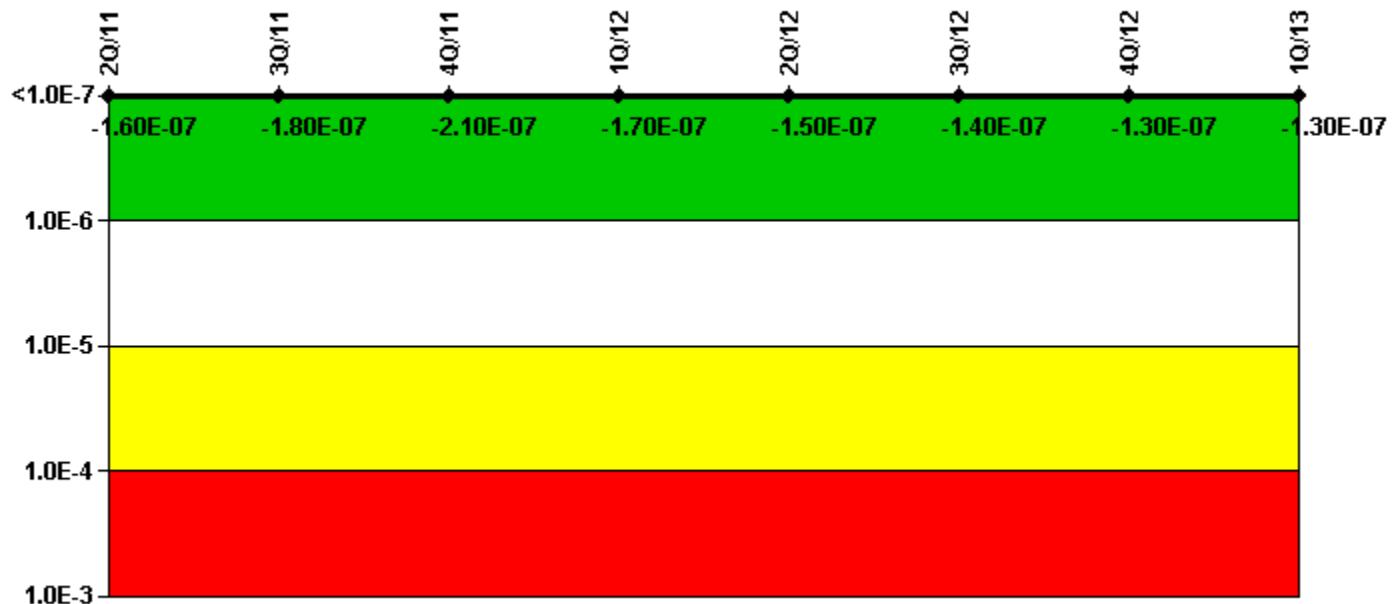
1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

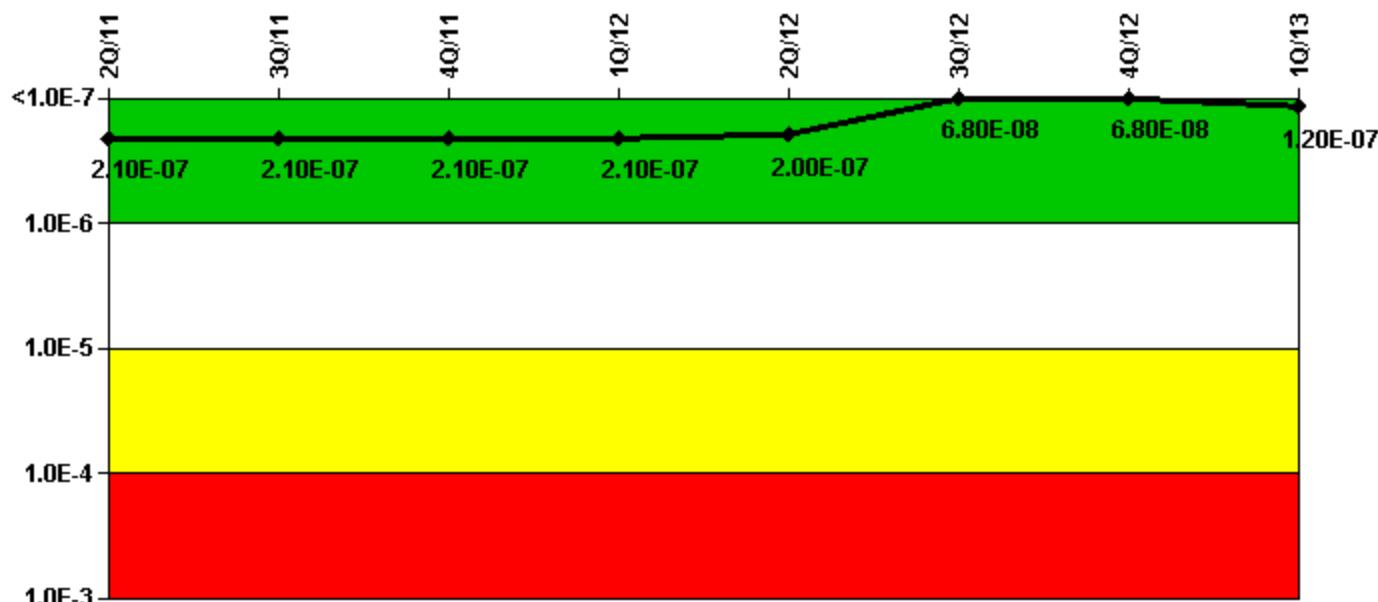
### Notes

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)	2.35E-08	4.59E-09	-2.61E-08	1.39E-08	-3.84E-09	4.34E-09	1.48E-08	1.81E-08
URI ( $\Delta$ CDF)		-1.84E-07	-1.84E-07	-1.84E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-1.60E-07</b>	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, Cooling Water Systems



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

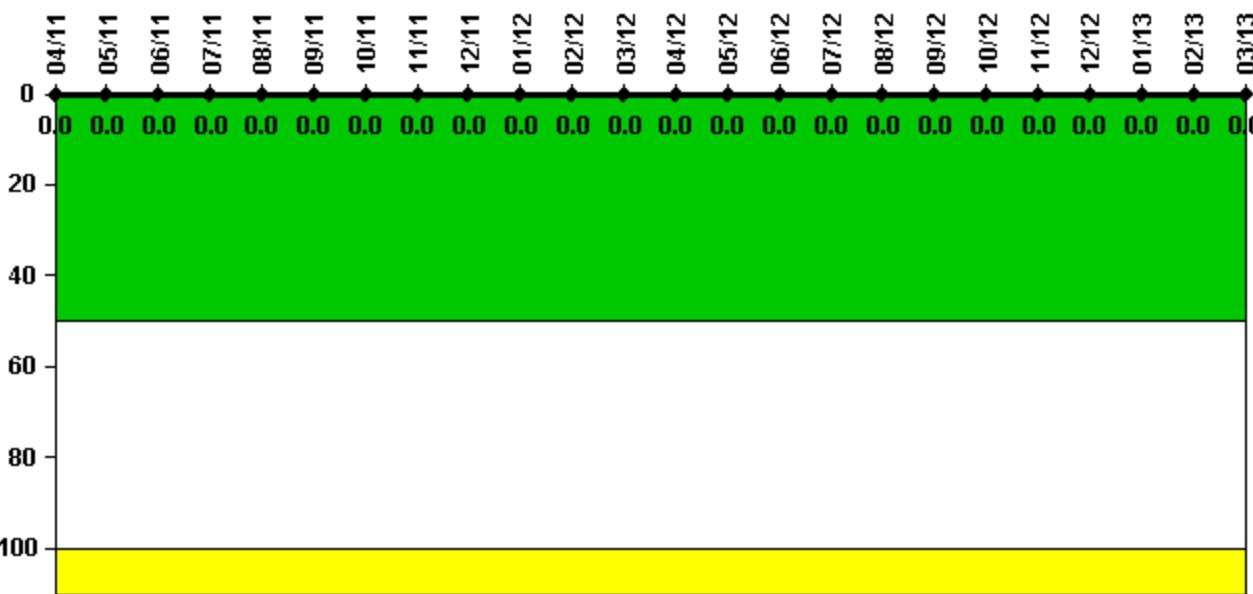
### Notes

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)	4.28E-08	4.28E-08	4.25E-08	4.82E-08	4.10E-08	-1.07E-08	-1.07E-08	-1.14E-08
URI ( $\Delta$ CDF)	1.64E-07	1.64E-07	1.64E-07	1.64E-07	1.58E-07	7.88E-08	7.88E-08	1.34E-07
PLE	NO							
<b>Indicator value</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>	<b>6.80E-08</b>	<b>6.80E-08</b>	<b>1.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

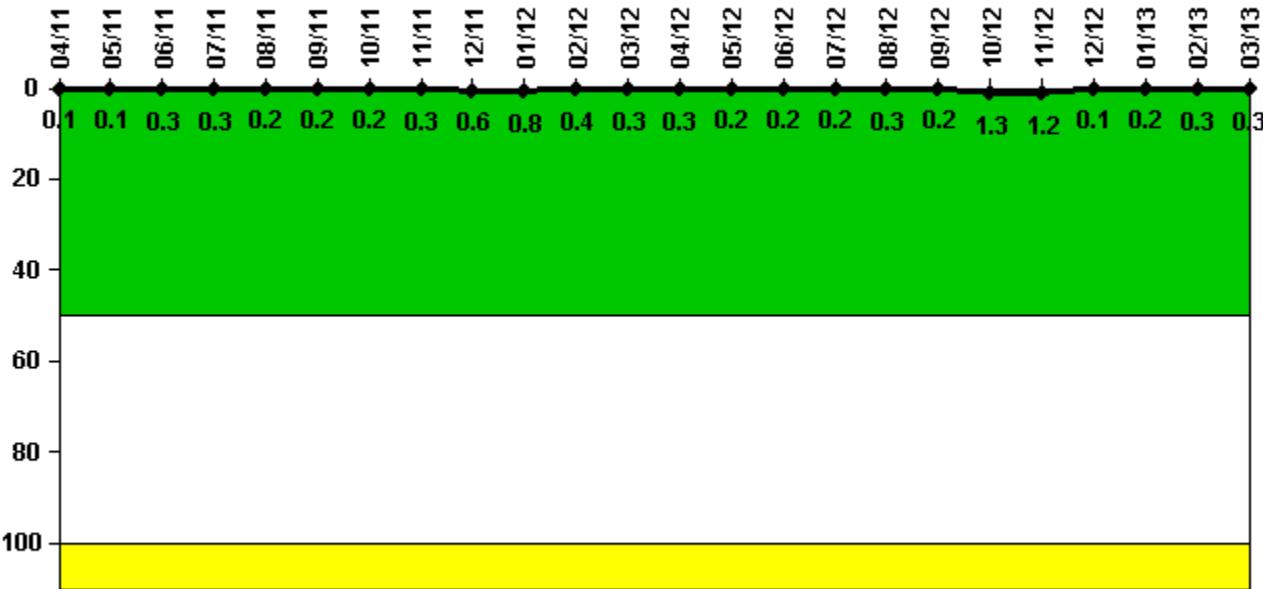
Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000065	0.000070	0.000059	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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

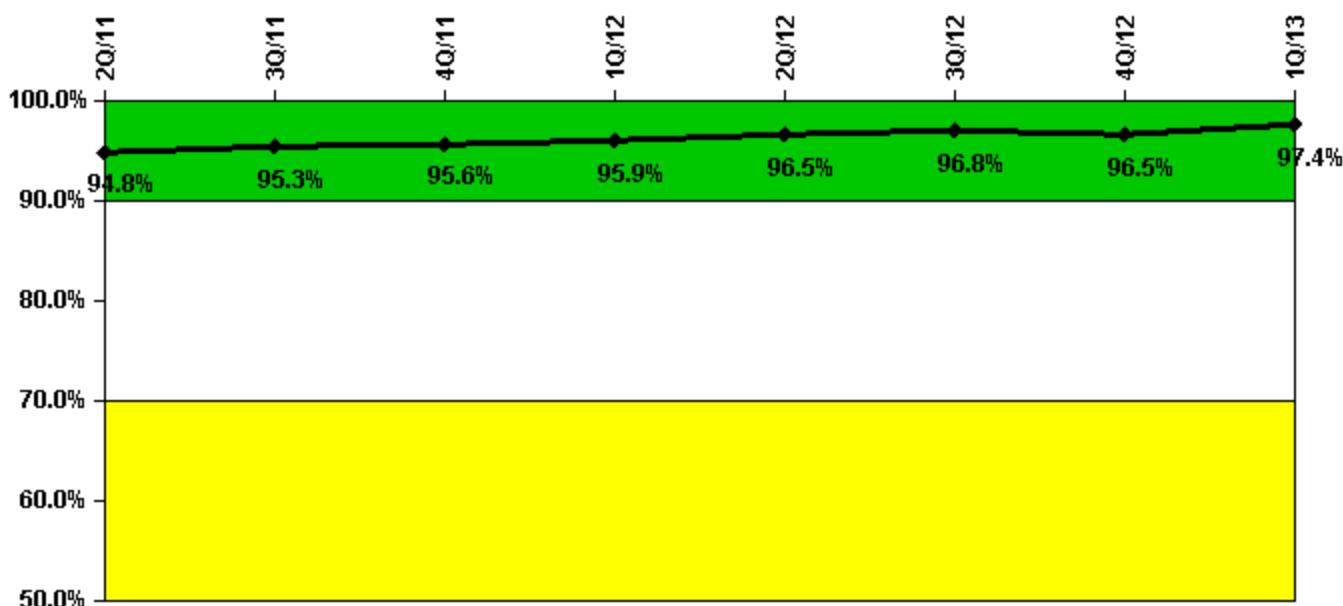
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.014	0.014	0.026	0.030	0.016	0.019	0.017	0.032	0.059	0.079	0.044	0.034
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.6	0.8	0.4	0.3

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	0.025	0.022	0.021	0.015	0.025	0.019	0.125	0.121	0.014	0.019	0.025	0.029
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.2	0.2	0.3	0.2	1.3	1.2	0.1	0.2	0.3	0.3

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

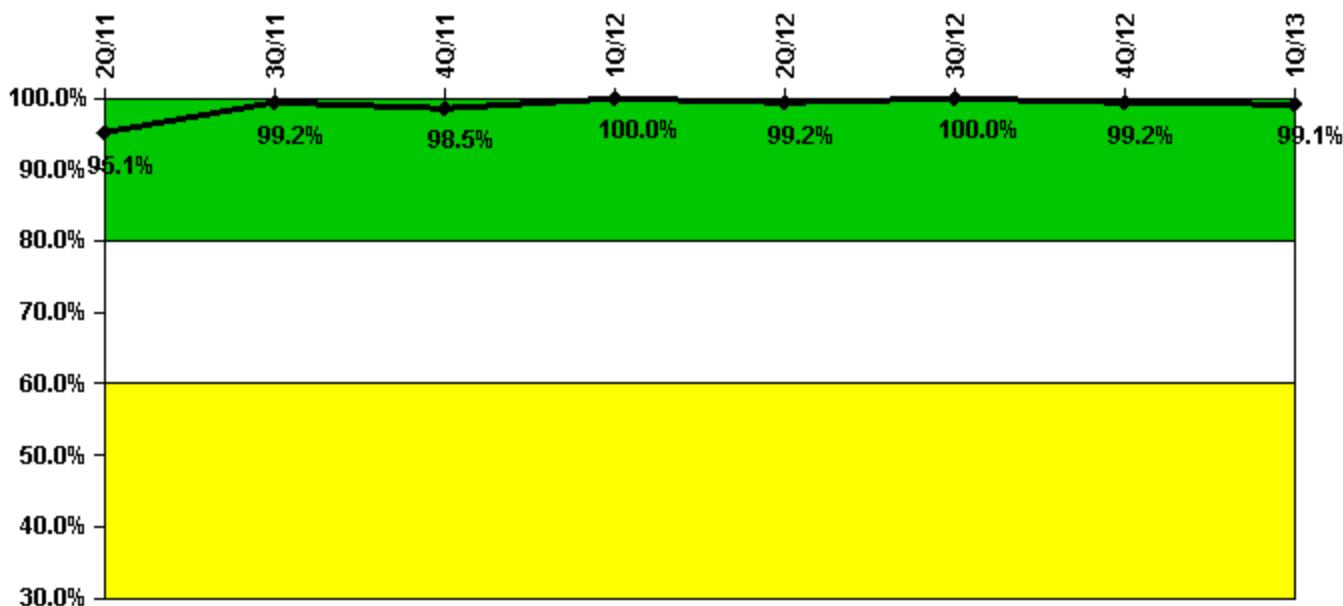
#### Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	59.0	55.0	28.0	39.0	14.0	62.0	45.0	40.0
Total opportunities	61.0	56.0	28.0	40.0	15.0	64.0	47.0	40.0
Indicator value	94.8%	95.3%	95.6%	95.9%	96.5%	96.8%	96.5%	97.4%

#### Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

### **ERO Drill Participation**



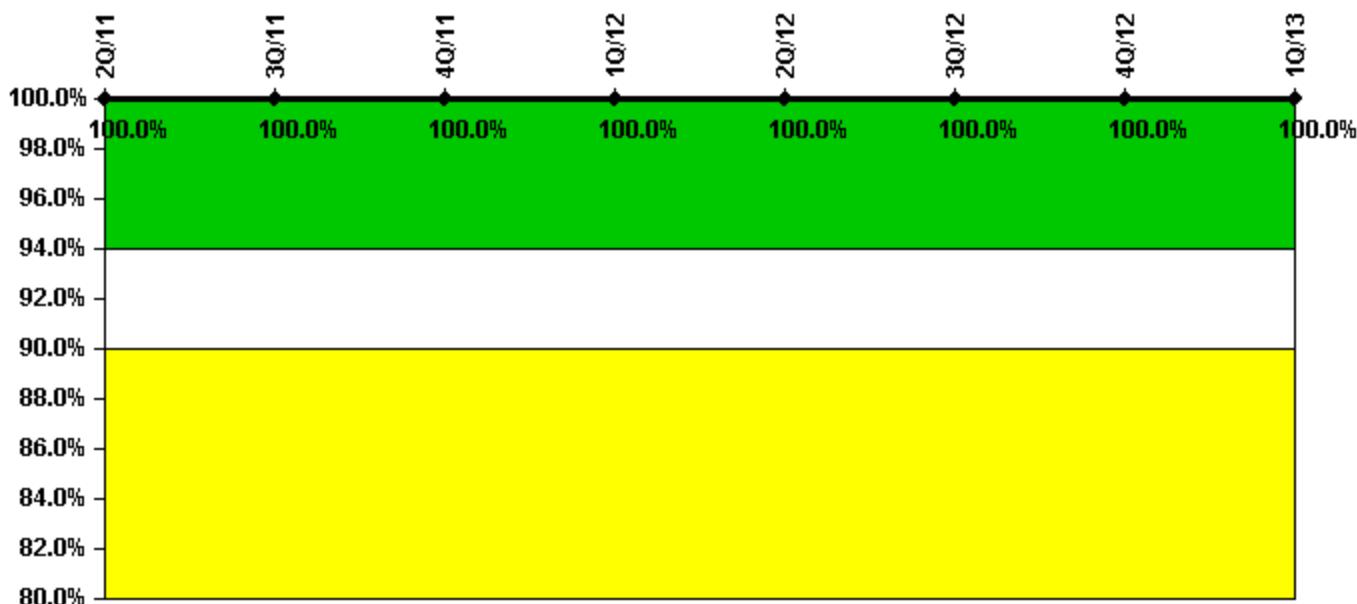
Thresholds: White < 80.0% Yellow < 60.0%

#### **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	116.0	128.0	134.0	130.0	127.0	123.0	122.0	108.0
Total Key personnel	122.0	129.0	136.0	130.0	128.0	123.0	123.0	109.0
<b>Indicator value</b>	<b>95.1%</b>	<b>99.2%</b>	<b>98.5%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>99.1%</b>

Licensee Comments: none

## Alert & Notification System



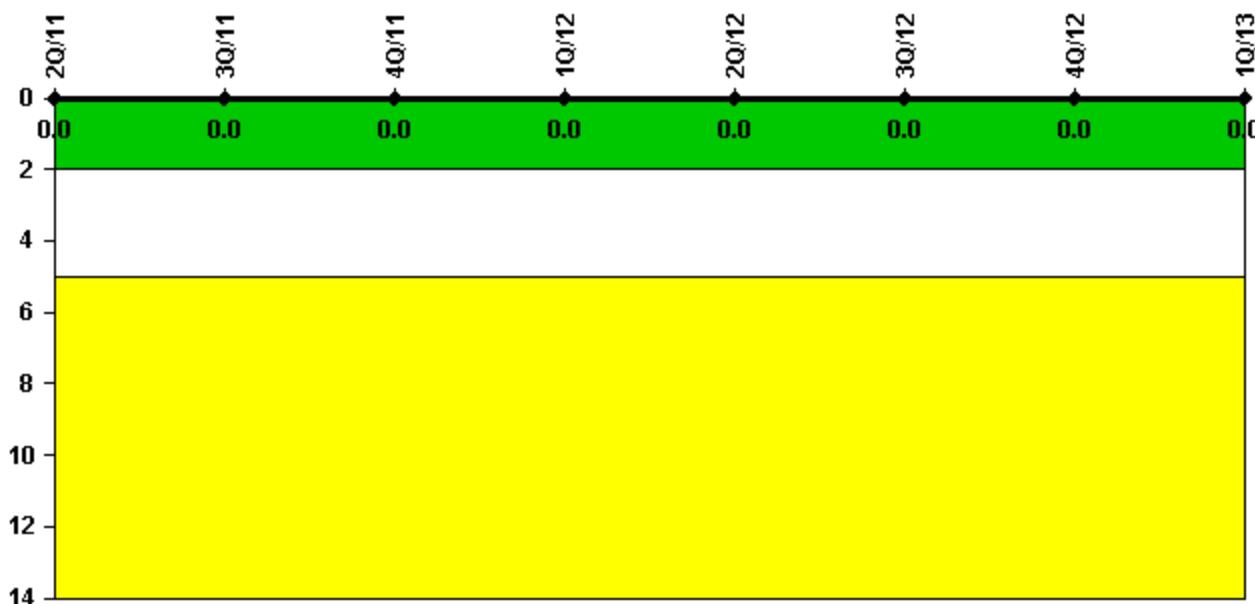
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	42	42	42	42	42	39	42	42
Total sirens-tests	42	42	42	42	42	39	42	42
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

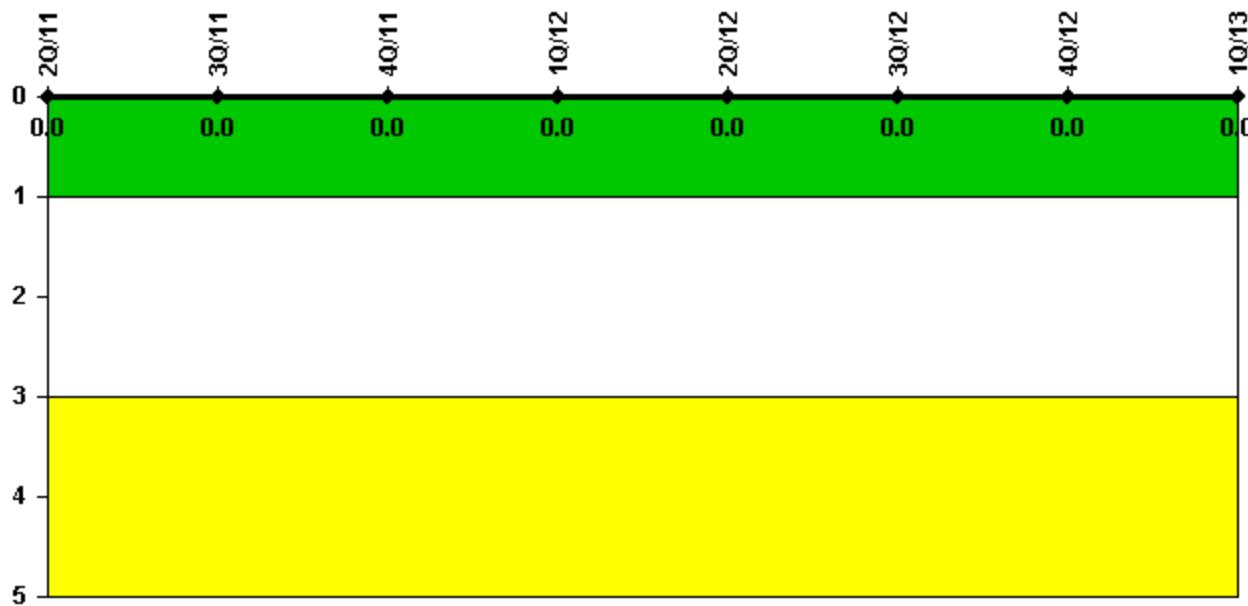
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/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

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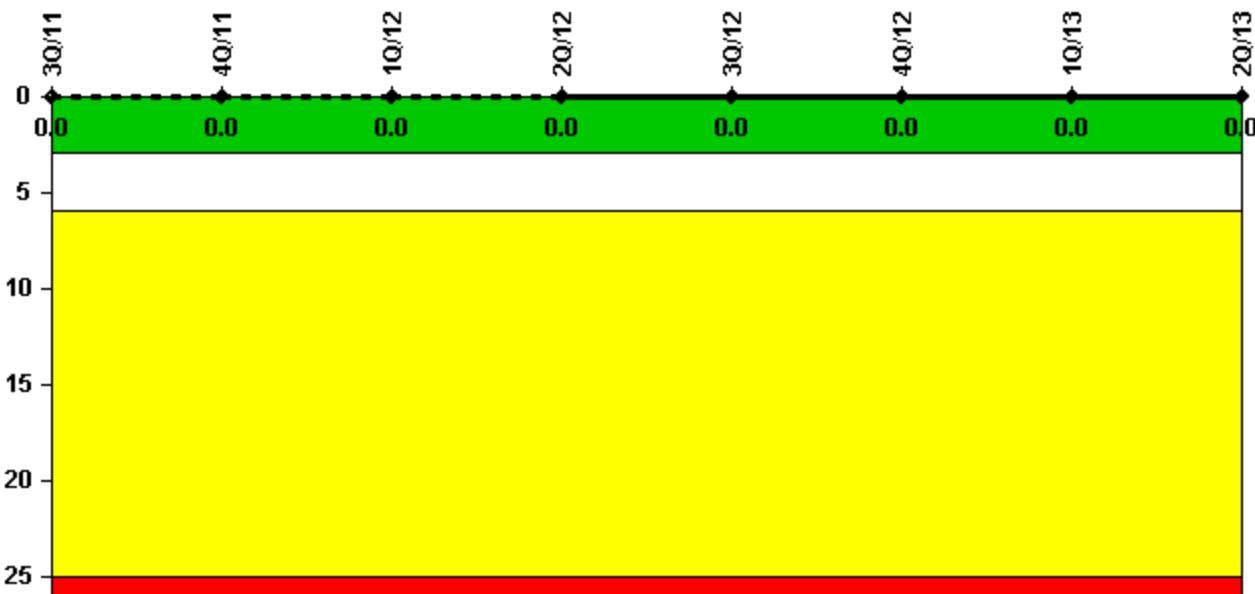
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2013*

**Farley 2****2Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

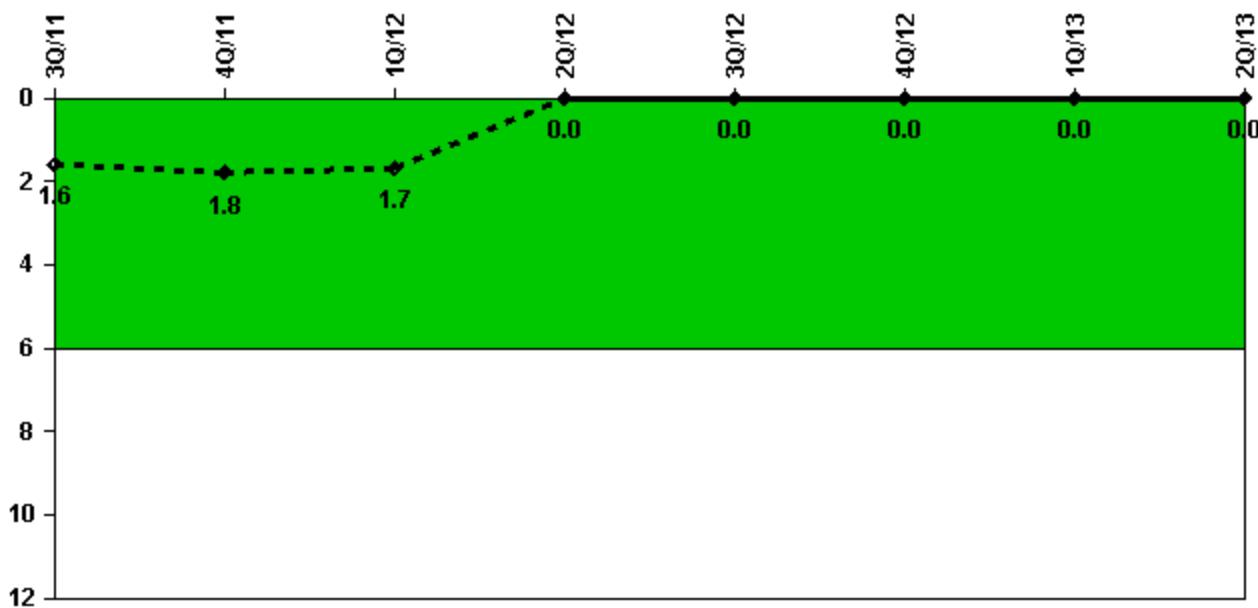
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

<b>Unplanned Scrams per 7000 Critical Hrs</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>
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



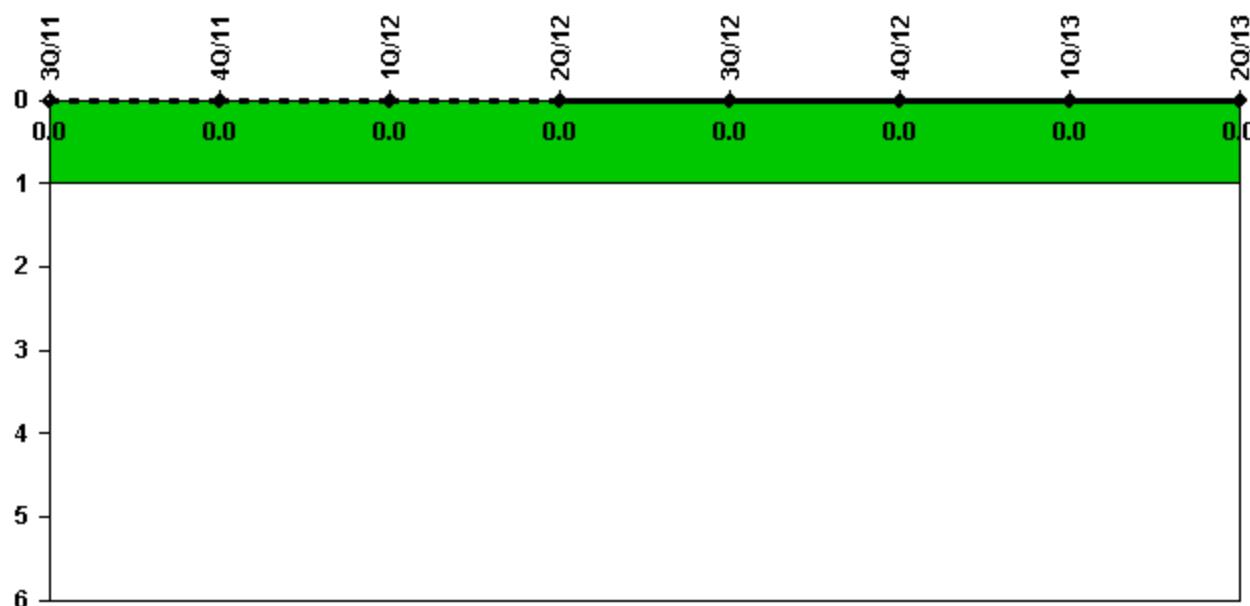
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1
<b>Indicator value</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

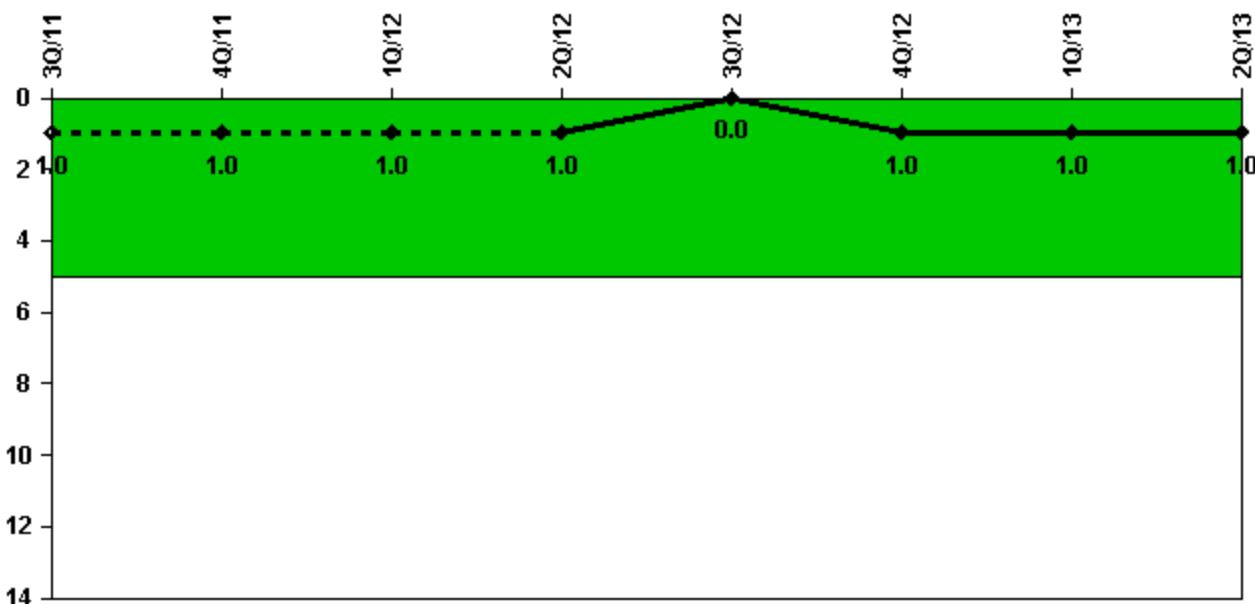
#### **Notes**

<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

---

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



Thresholds: White > 5.0

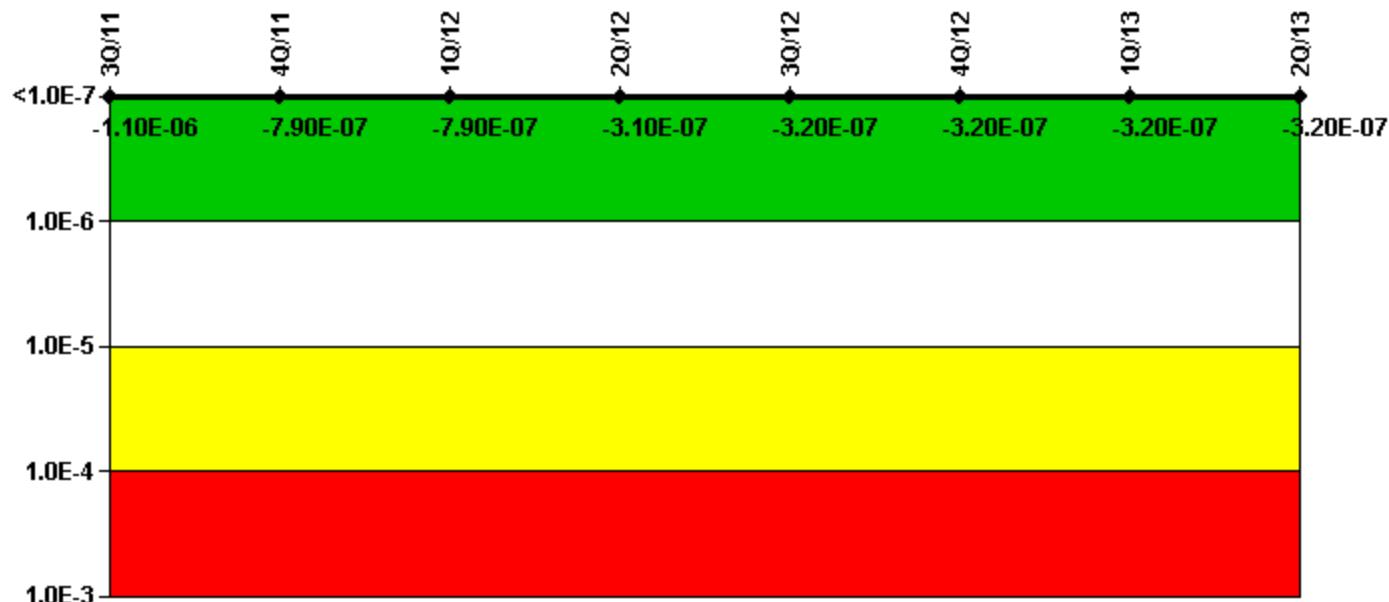
### Notes

<b>Safety System Functional Failures (PWR)</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	1	0	0	0	0	1	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

3Q/11: LER - 2011-001-00 Turbine Driven Auxiliary Feedwater Pump Inoperable

## Mitigating Systems Performance Index, Emergency AC Power System



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

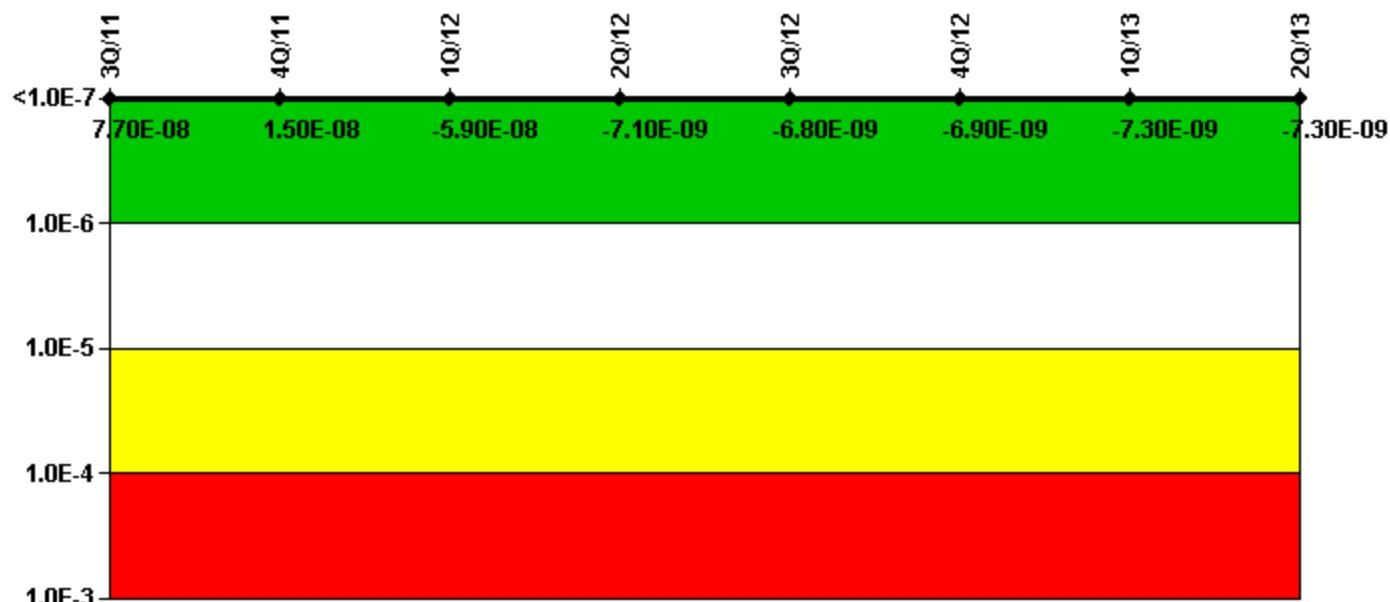
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	-9.41E-08	-6.57E-08	-6.80E-08	-9.00E-09	-2.58E-08	-2.58E-08	-2.58E-08	-2.59E-08
URI ( $\Delta$ CDF)	-9.97E-07	-7.21E-07	-7.19E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO							
Indicator value	<b>-1.10E-06</b>	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



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

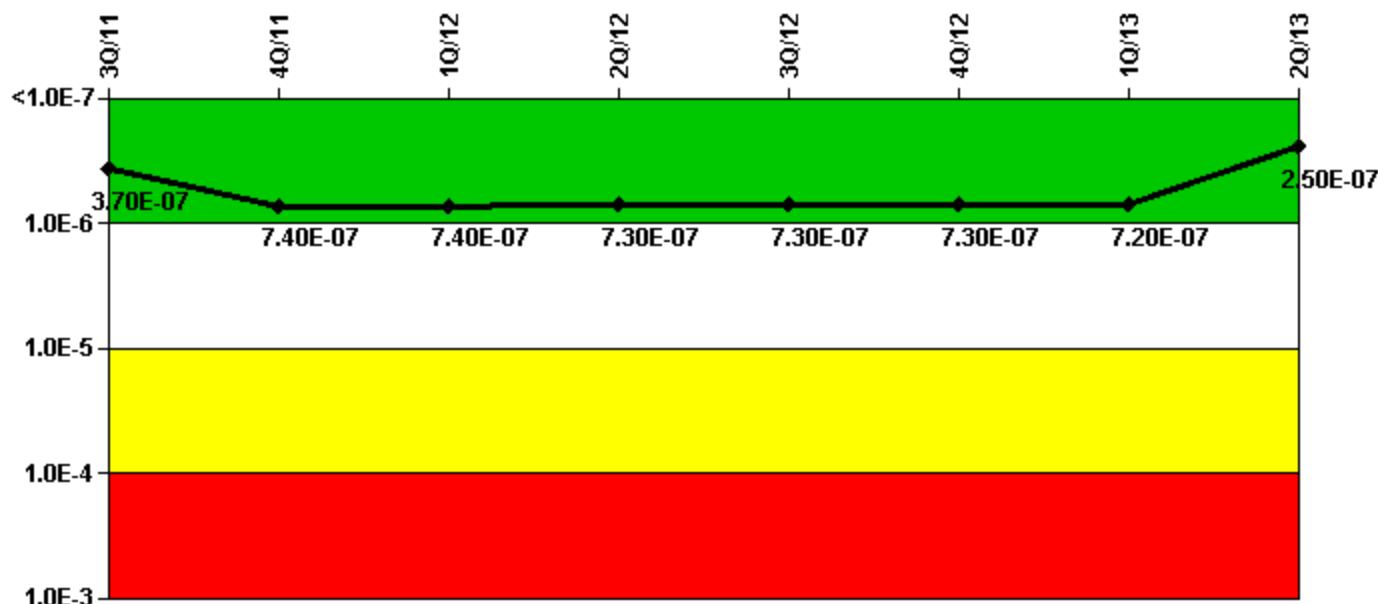
### Notes

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)	4.69E-08	-1.48E-08	-2.68E-08	-2.60E-10	7.84E-11	1.94E-11	-4.00E-10	-4.17E-10
URI ( $\Delta$ CDF)	3.01E-08	3.01E-08	-3.22E-08	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>7.70E-08</b>	<b>1.50E-08</b>	<b>-5.90E-08</b>	<b>-7.10E-09</b>	<b>-6.80E-09</b>	<b>-6.90E-09</b>	<b>-7.30E-09</b>	<b>-7.30E-09</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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)	-9.74E-08	-3.15E-08	-3.48E-08	-3.71E-10	-3.71E-10	-6.13E-10	-3.95E-09	-5.32E-09
URI ( $\Delta$ CDF)	4.63E-07	7.74E-07	7.74E-07	7.28E-07	7.28E-07	7.28E-07	7.28E-07	2.53E-07
PLE	NO							
Indicator value	<b>3.70E-07</b>	<b>7.40E-07</b>	<b>7.40E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>	<b>7.20E-07</b>	<b>2.50E-07</b>

### Licensee Comments:

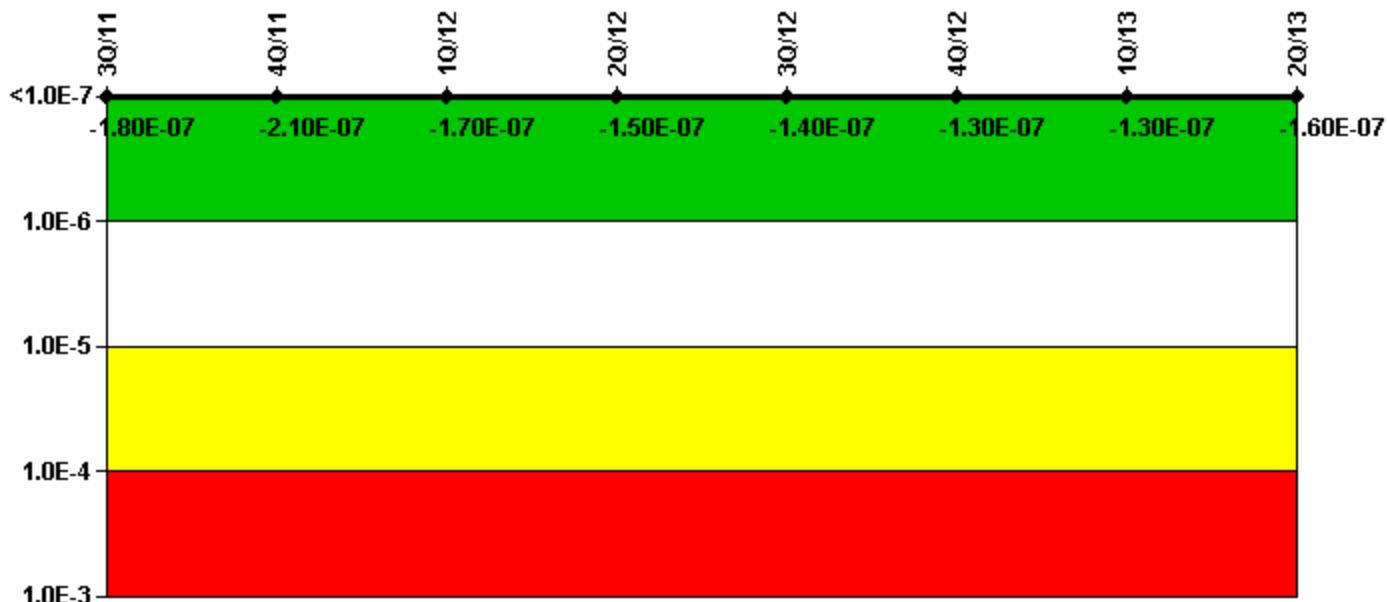
2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

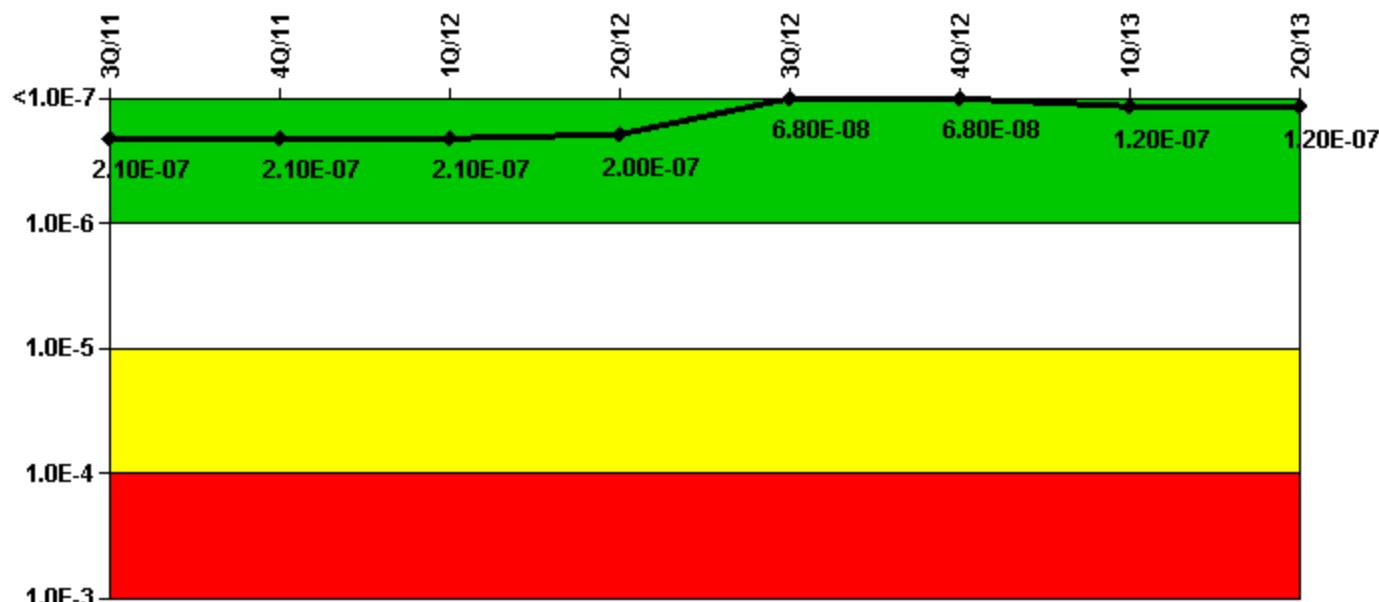
### Notes

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)	4.59E-09	-2.61E-08	1.39E-08	-3.84E-09	4.34E-09	1.48E-08	1.81E-08	-1.45E-08
URI ( $\Delta$ CDF)	-1.84E-07	-1.84E-07	-1.84E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-1.80E-07</b>	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.60E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, Cooling Water Systems



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

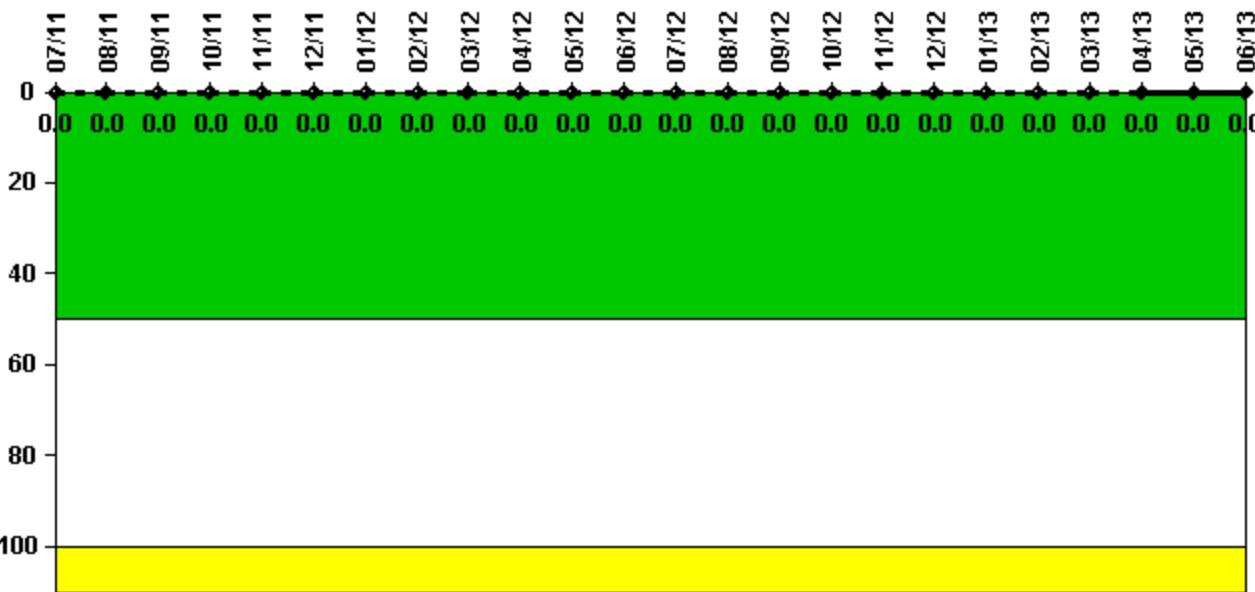
### Notes

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)	4.28E-08	4.25E-08	4.82E-08	4.10E-08	-1.07E-08	-1.07E-08	-1.14E-08	-1.04E-08
URI ( $\Delta$ CDF)	1.64E-07	1.64E-07	1.64E-07	1.58E-07	7.88E-08	7.88E-08	1.34E-07	1.34E-07
PLE	NO							
<b>Indicator value</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>	<b>6.80E-08</b>	<b>6.80E-08</b>	<b>1.20E-07</b>	<b>1.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Reactor Coolant System Activity



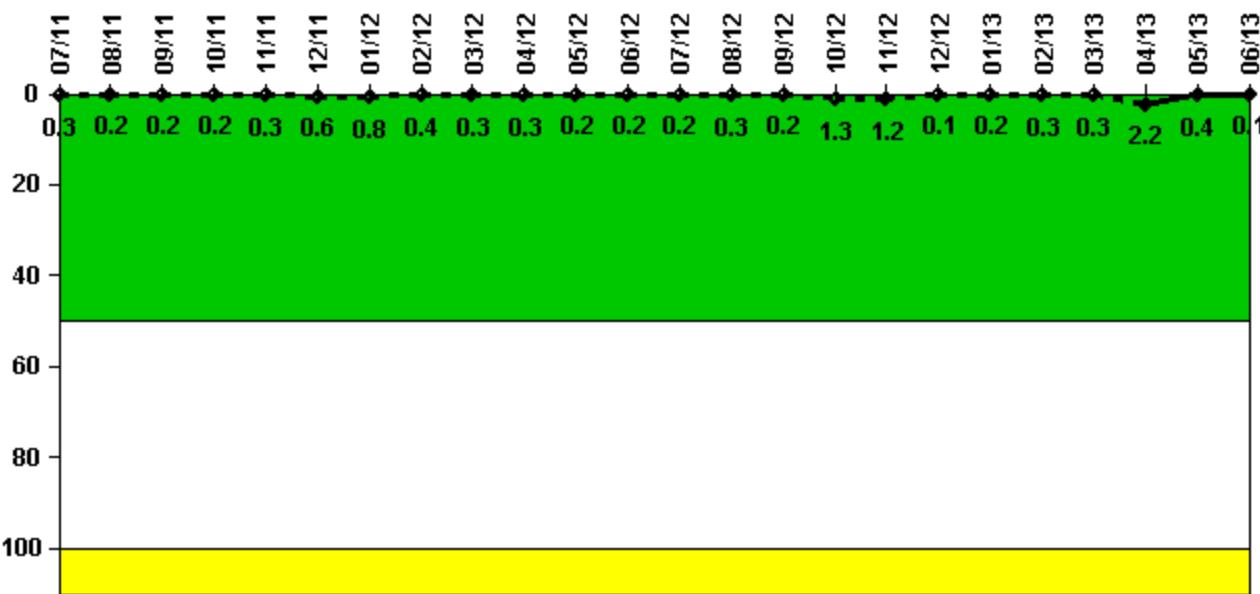
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000058	0.000054	0.000057	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048	0.000050	0.000028	0
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



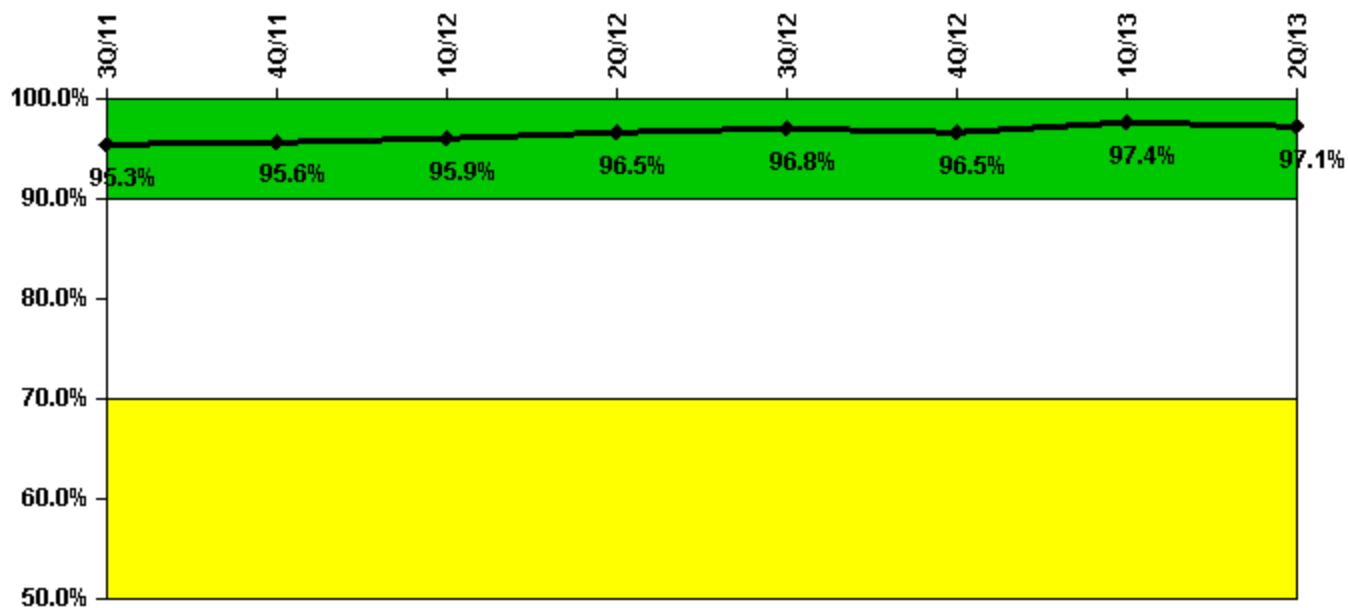
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.030	0.016	0.019	0.017	0.032	0.059	0.079	0.044	0.034	0.025	0.022	0.021
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</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	0.015	0.025	0.019	0.125	0.121	0.014	0.019	0.025	0.029	0.216	0.036	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>1.3</b>	<b>1.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>2.2</b>	<b>0.4</b>	<b>0.1</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

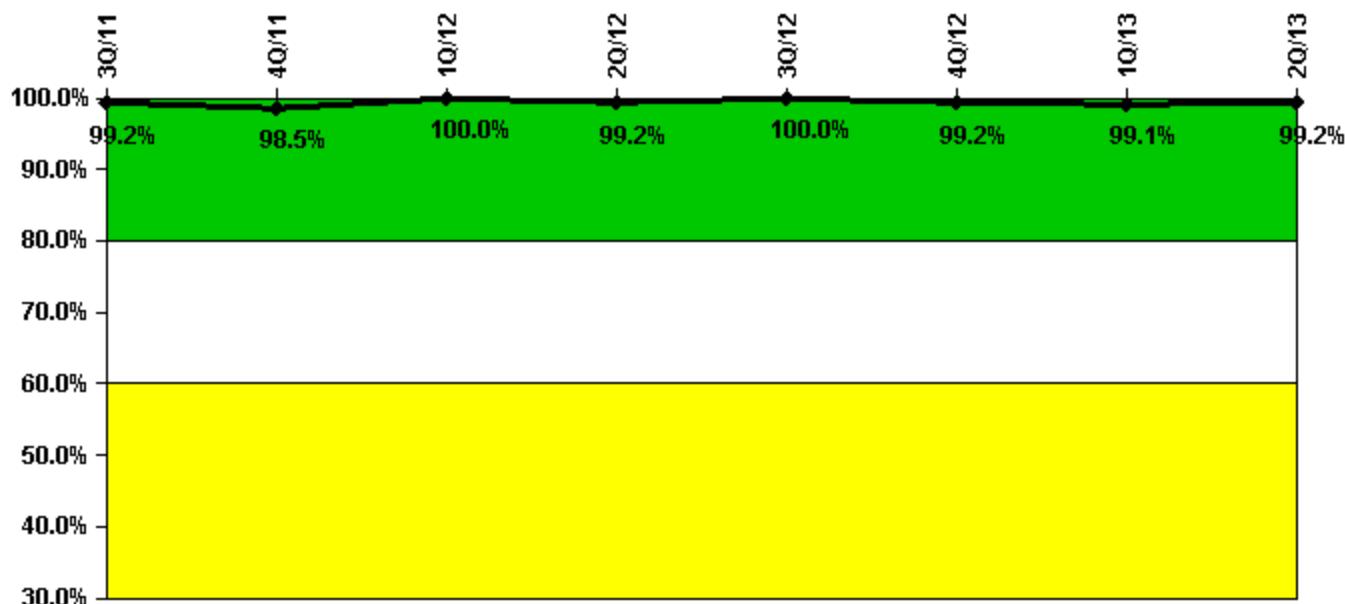
#### Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	55.0	28.0	39.0	14.0	62.0	45.0	40.0	47.0
Total opportunities	56.0	28.0	40.0	15.0	64.0	47.0	40.0	50.0
Indicator value	95.3%	95.6%	95.9%	96.5%	96.8%	96.5%	97.4%	97.1%

Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

### **ERO Drill Participation**



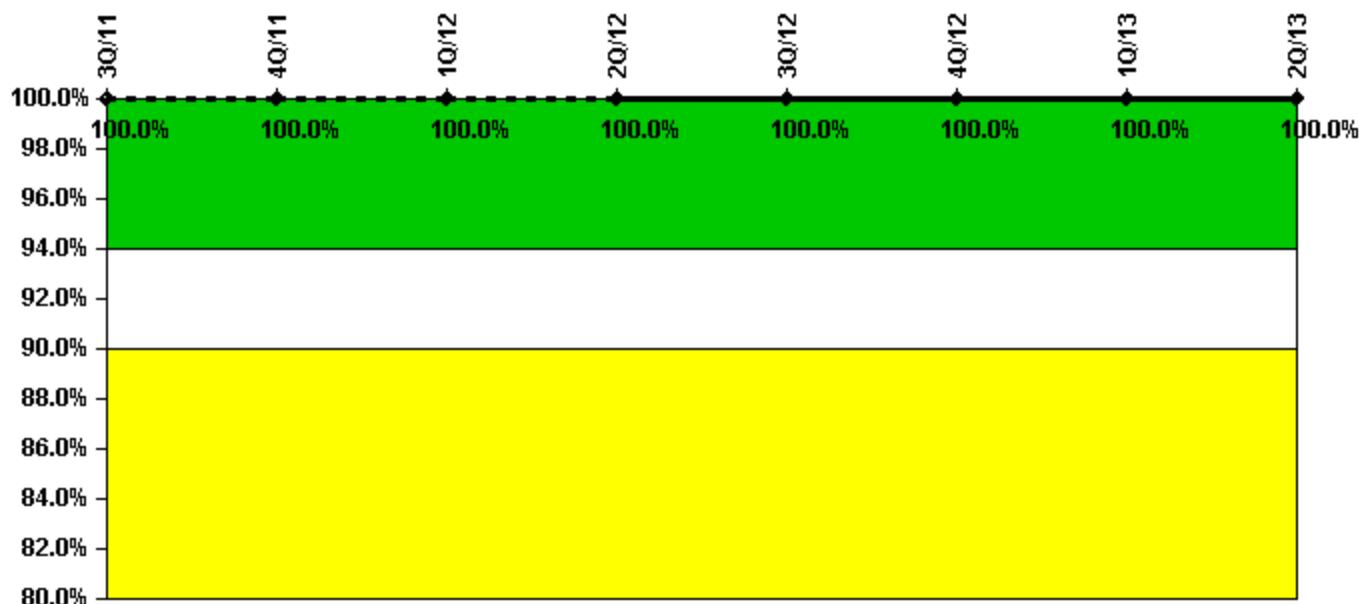
Thresholds: White < 80.0% Yellow < 60.0%

#### **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	128.0	134.0	130.0	127.0	123.0	122.0	108.0	117.0
Total Key personnel	129.0	136.0	130.0	128.0	123.0	123.0	109.0	118.0
<b>Indicator value</b>	<b>99.2%</b>	<b>98.5%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>99.1%</b>	<b>99.2%</b>

Licensee Comments: none

## Alert & Notification System



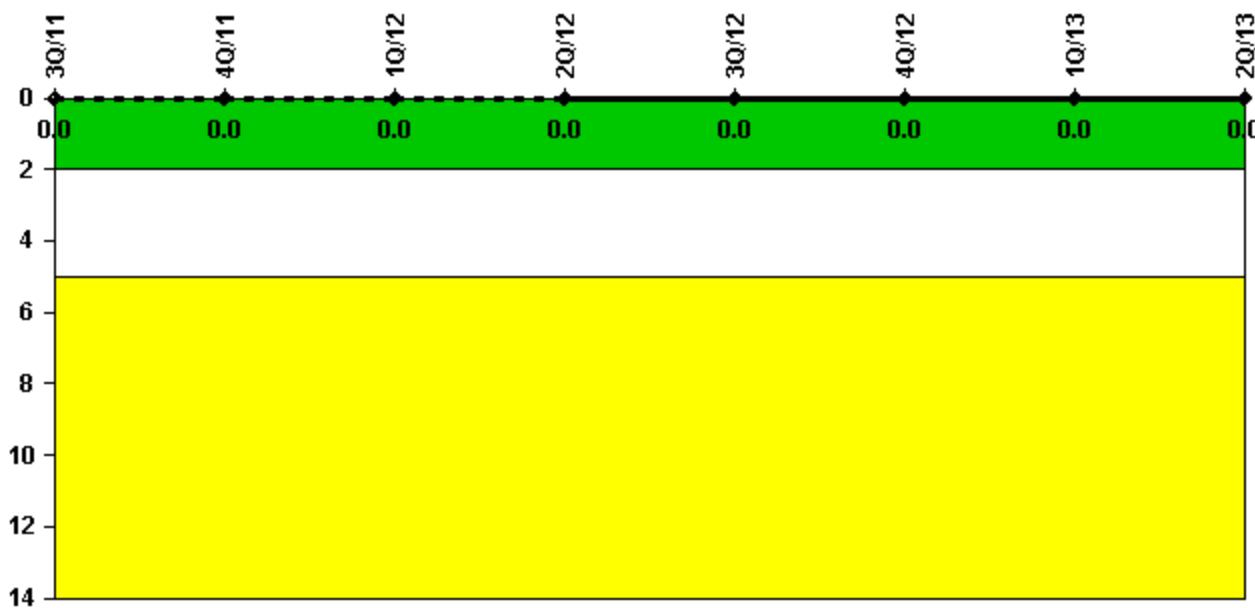
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	42	42	42	42	39	42	42	42
Total sirens-tests	42	42	42	42	39	42	42	42
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

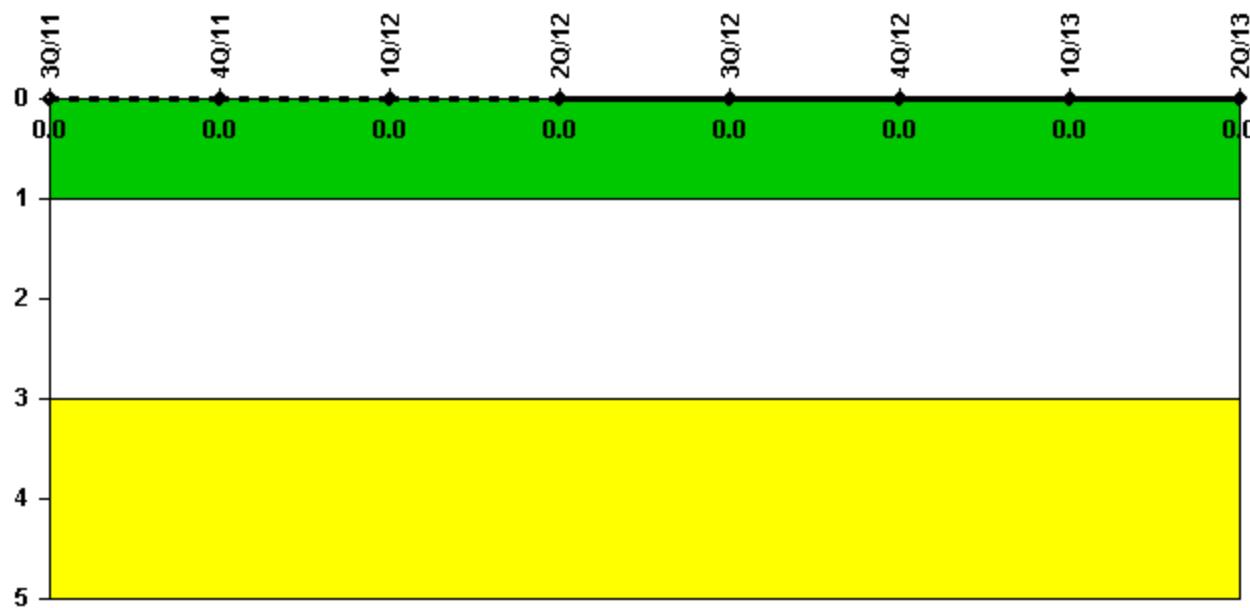
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
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/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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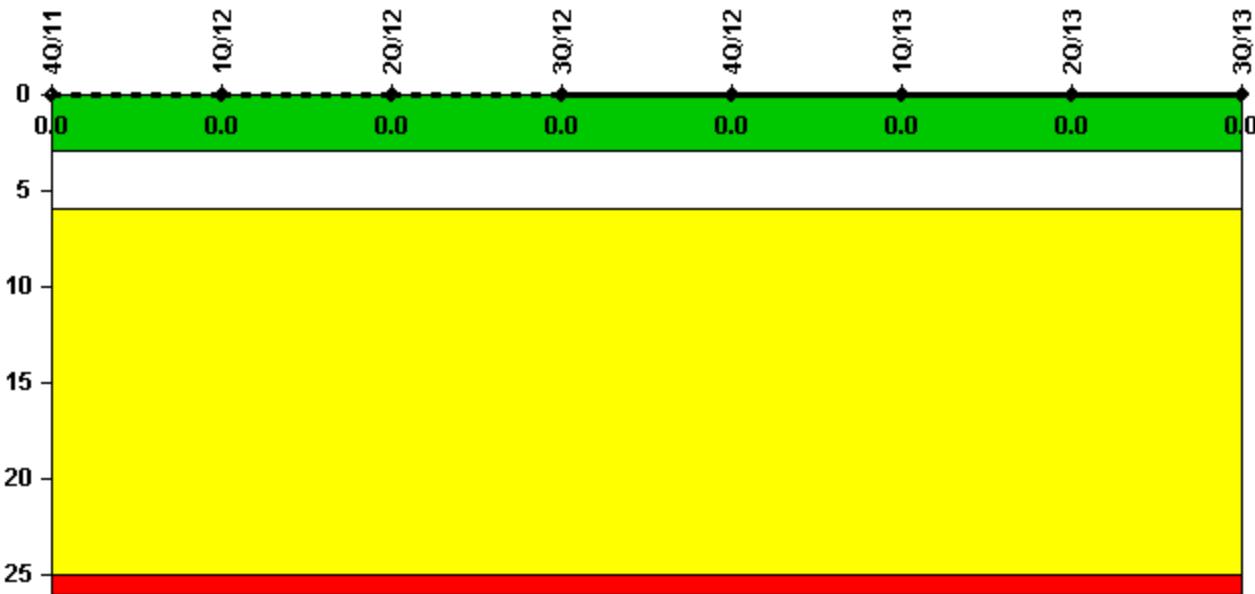
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: August 19, 2013*

**Farley 2****3Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

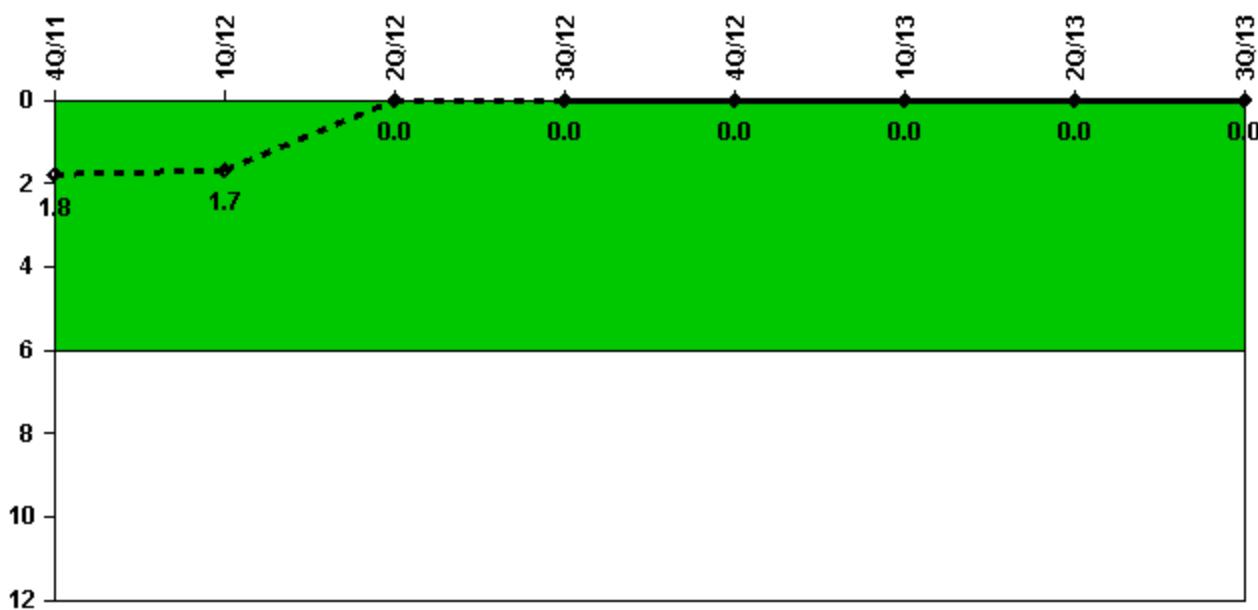
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**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	0	0	0
Critical hours	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1	2208.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



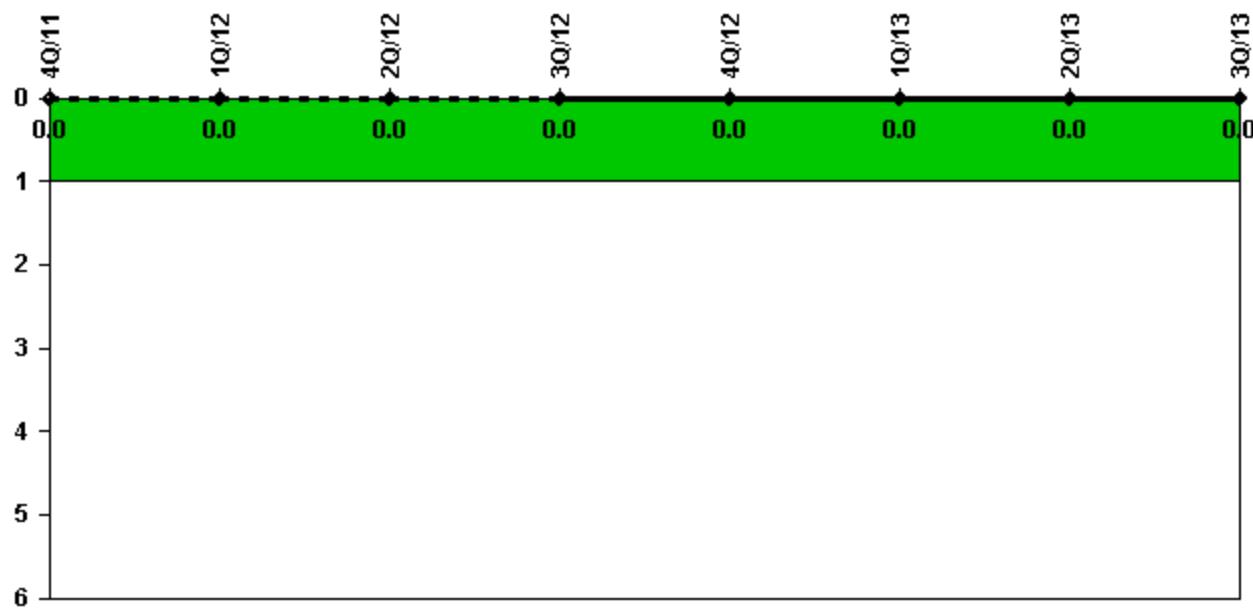
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1483.2	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1	2208.0
<b>Indicator value</b>	<b>1.8</b>	<b>1.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

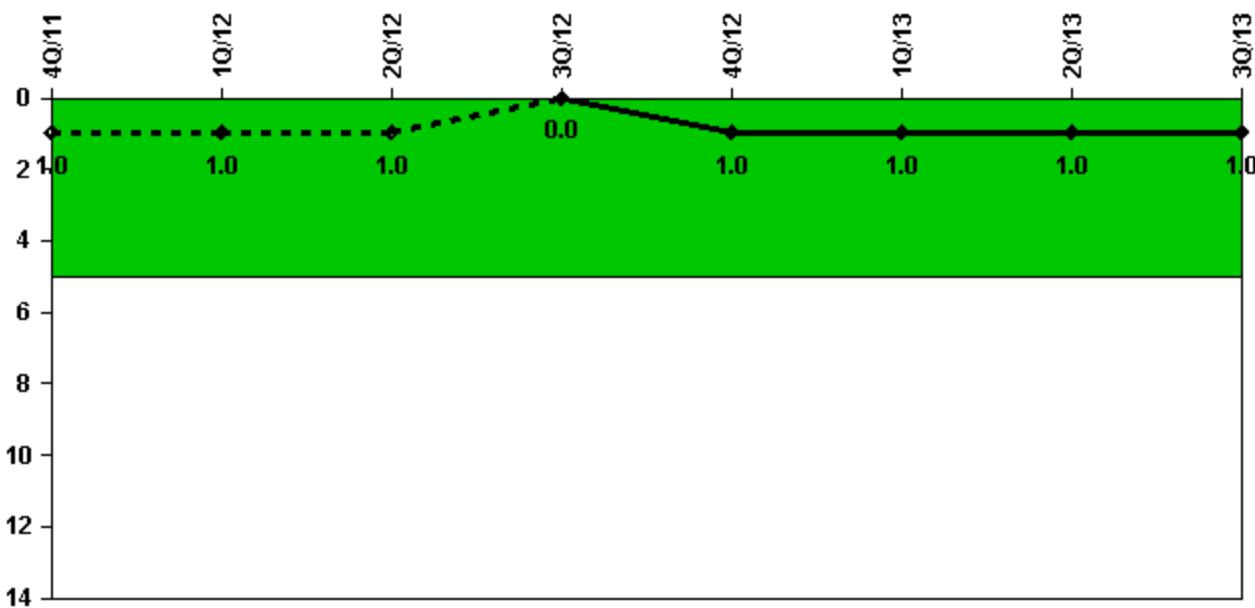
#### **Notes**

<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

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



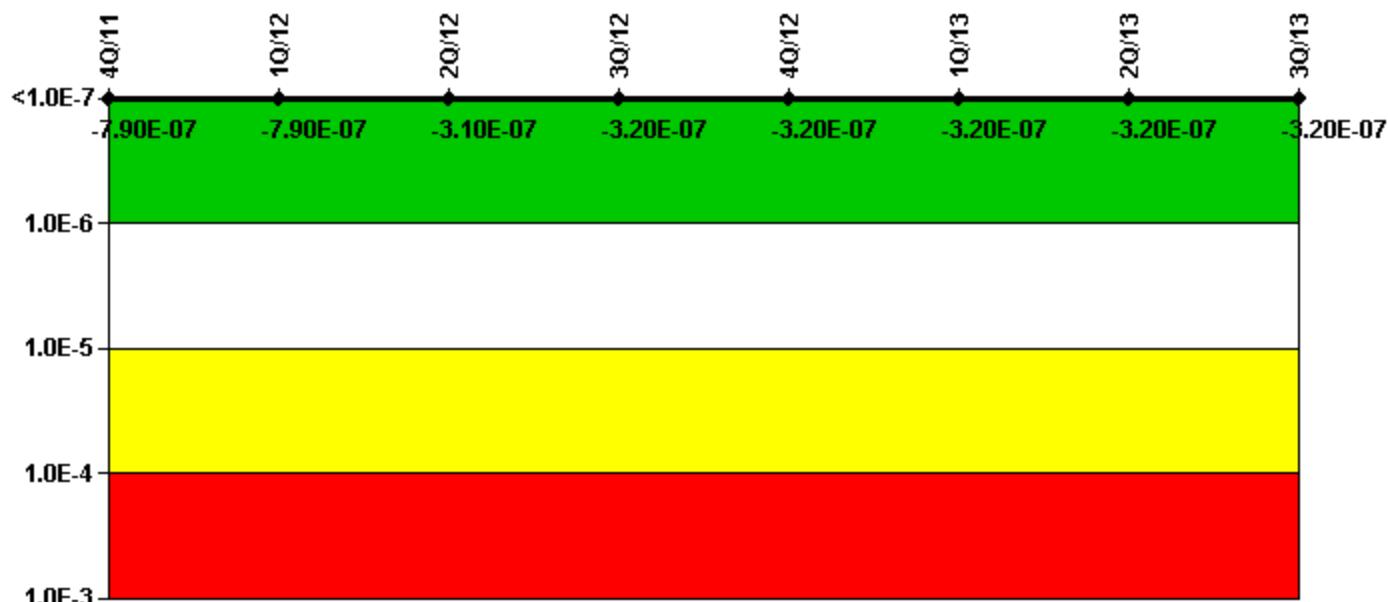
Thresholds: White > 5.0

#### **Notes**

<b>Safety System Functional Failures (PWR)</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	1	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</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

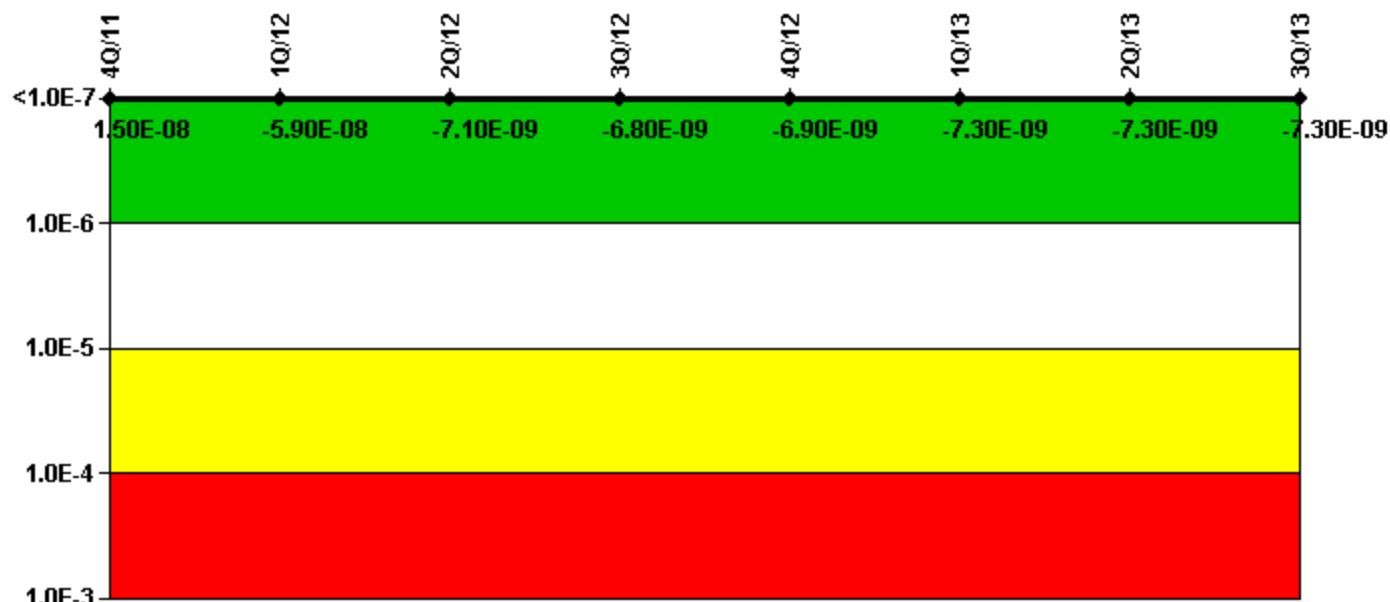
### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	-6.57E-08	-6.80E-08	-9.00E-09	-2.58E-08	-2.58E-08	-2.58E-08	-2.59E-08	-2.59E-08
URI ( $\Delta$ CDF)	-7.21E-07	-7.19E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO							
Indicator value	<b>-7.90E-07</b>	<b>-7.90E-07</b>	<b>-3.10E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>	<b>-3.20E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, High Pressure Injection System



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

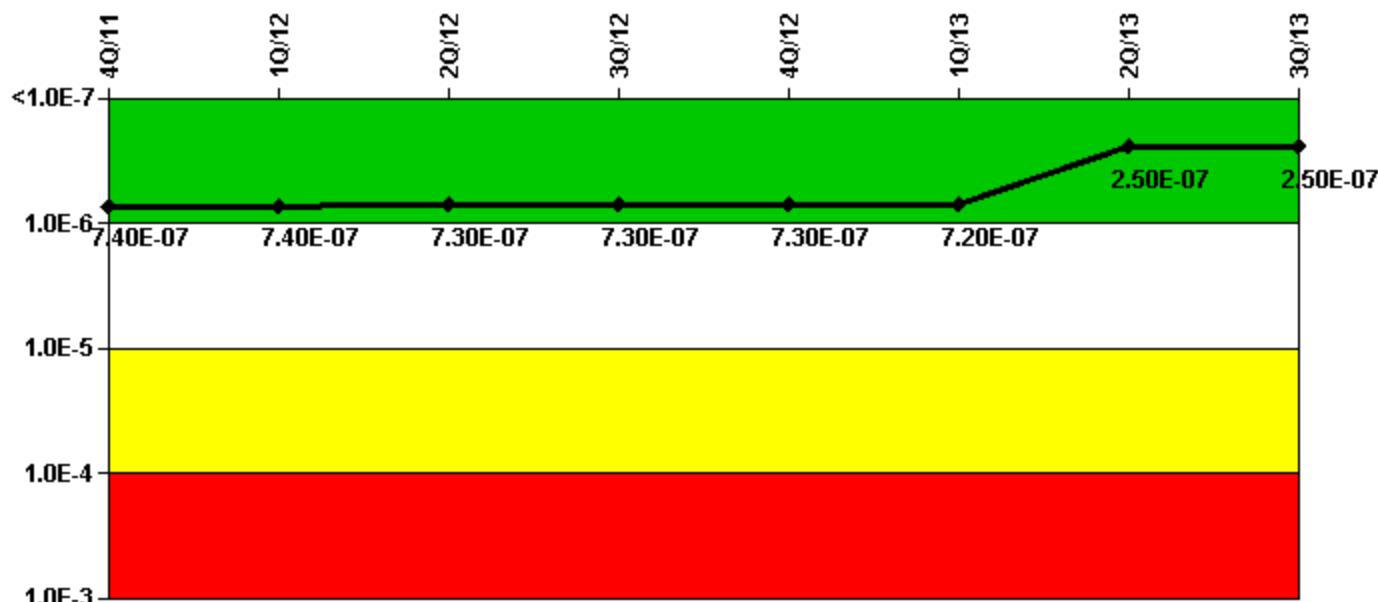
### Notes

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)	-1.48E-08	-2.68E-08	-2.60E-10	7.84E-11	1.94E-11	-4.00E-10	-4.17E-10	-4.30E-10
URI ( $\Delta$ CDF)	3.01E-08	-3.22E-08	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09	-6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>1.50E-08</b>	<b>-5.90E-08</b>	<b>-7.10E-09</b>	<b>-6.80E-09</b>	<b>-6.90E-09</b>	<b>-7.30E-09</b>	<b>-7.30E-09</b>	<b>-7.30E-09</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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)	-3.15E-08	-3.48E-08	-3.71E-10	-3.71E-10	-6.13E-10	-3.95E-09	-5.32E-09	-5.32E-09
URI ( $\Delta$ CDF)	7.74E-07	7.74E-07	7.28E-07	7.28E-07	7.28E-07	7.28E-07	2.53E-07	2.53E-07
PLE	NO							
<b>Indicator value</b>	<b>7.40E-07</b>	<b>7.40E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>	<b>7.30E-07</b>	<b>7.20E-07</b>	<b>2.50E-07</b>	<b>2.50E-07</b>

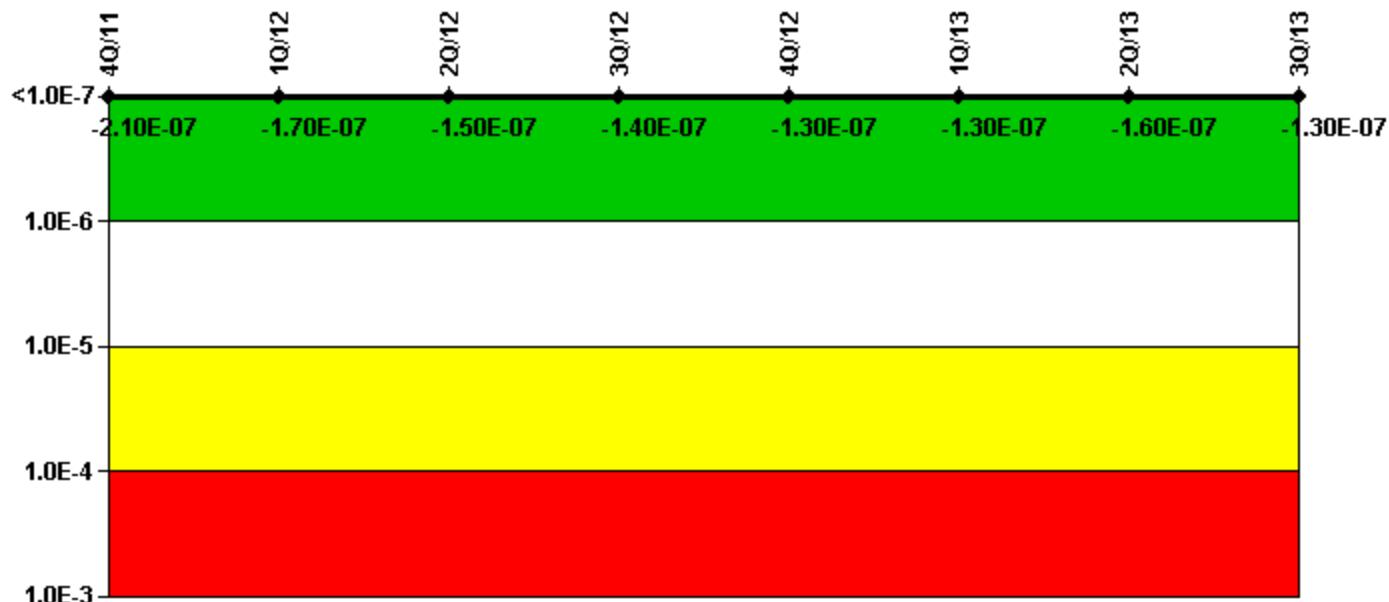
### Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

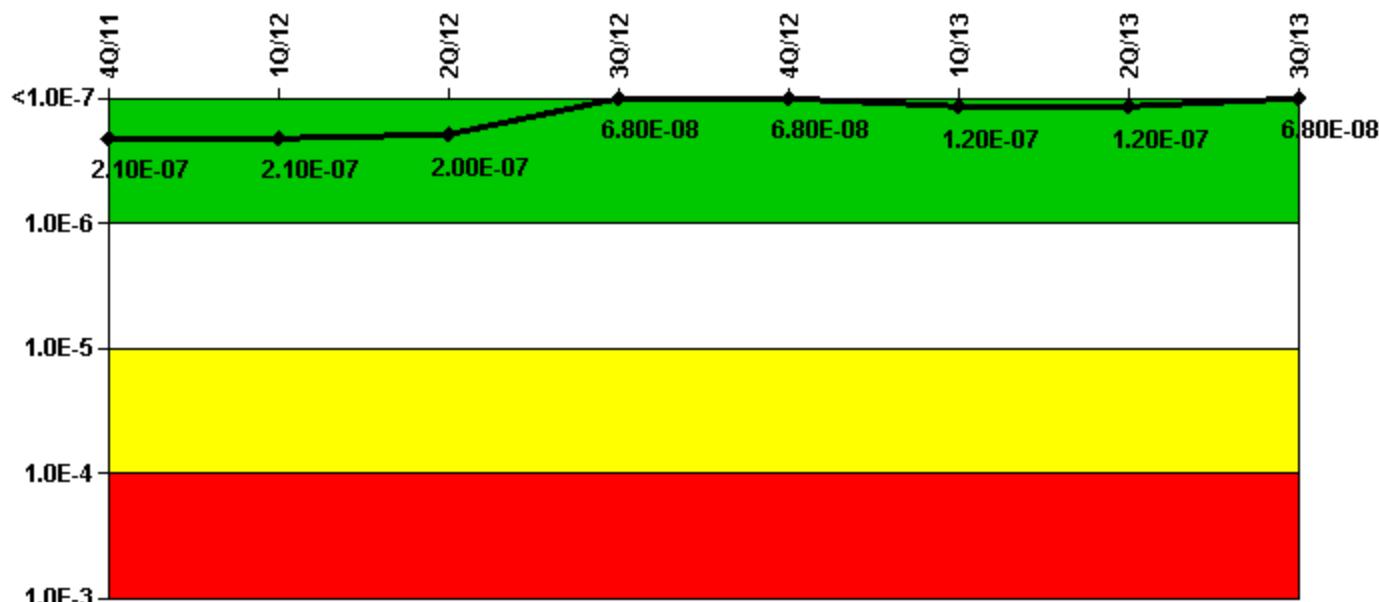
### Notes

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)	-2.61E-08	1.39E-08	-3.84E-09	4.34E-09	1.48E-08	1.81E-08	-1.45E-08	1.95E-08
URI ( $\Delta$ CDF)	-1.84E-07	-1.84E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07	-1.47E-07
PLE	NO							
Indicator value	<b>-2.10E-07</b>	<b>-1.70E-07</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## Mitigating Systems Performance Index, Cooling Water Systems



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

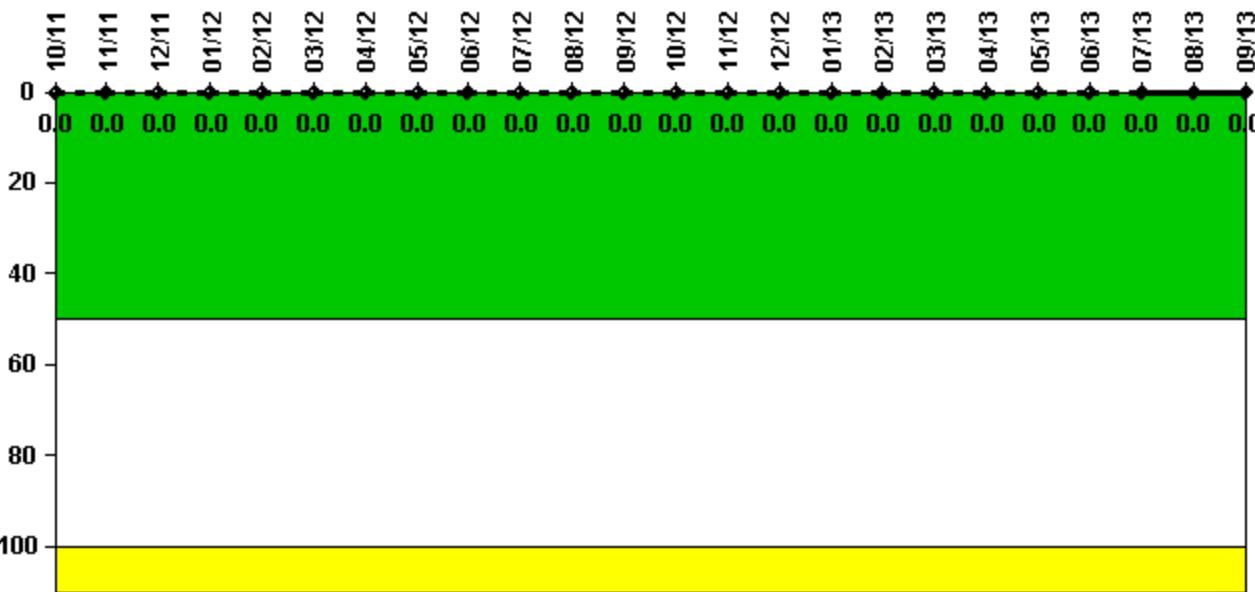
### Notes

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)	4.25E-08	4.82E-08	4.10E-08	-1.07E-08	-1.07E-08	-1.14E-08	-1.04E-08	-1.04E-08
URI ( $\Delta$ CDF)	1.64E-07	1.64E-07	1.58E-07	7.88E-08	7.88E-08	1.34E-07	1.34E-07	7.87E-08
PLE	NO							
<b>Indicator value</b>	<b>2.10E-07</b>	<b>2.10E-07</b>	<b>2.00E-07</b>	<b>6.80E-08</b>	<b>6.80E-08</b>	<b>1.20E-07</b>	<b>1.20E-07</b>	<b>6.80E-08</b>

Licensee Comments:

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### Reactor Coolant System Activity



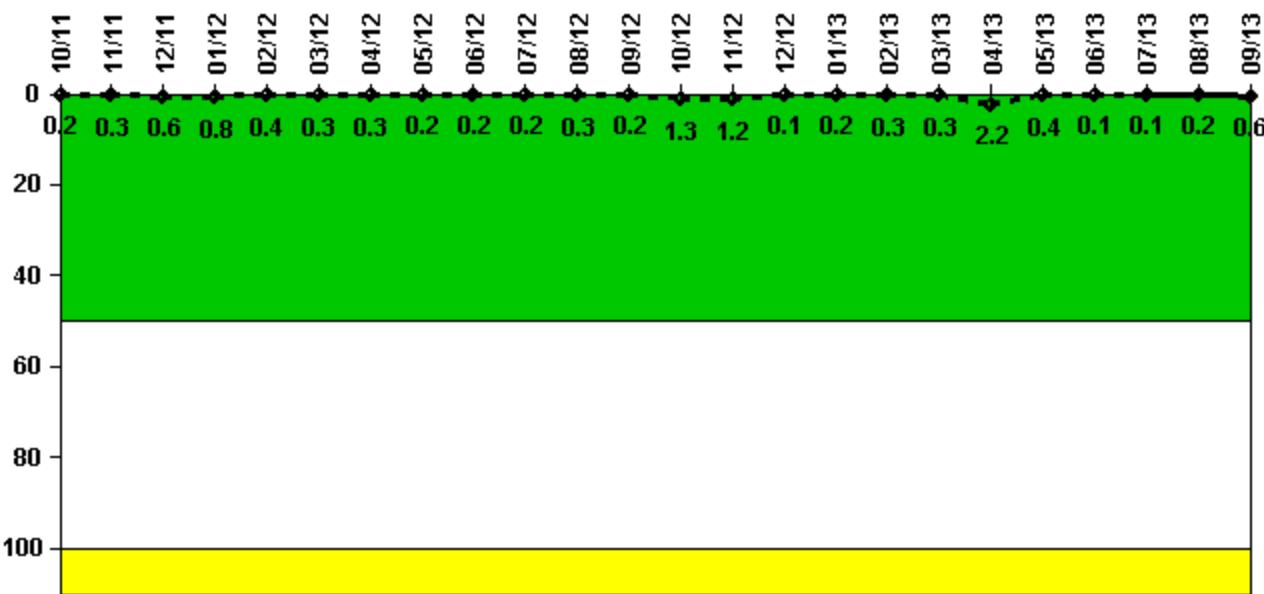
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000054	0.000030	0.000031	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048	0.000050	0.000028	0	0.000031	0.000034	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



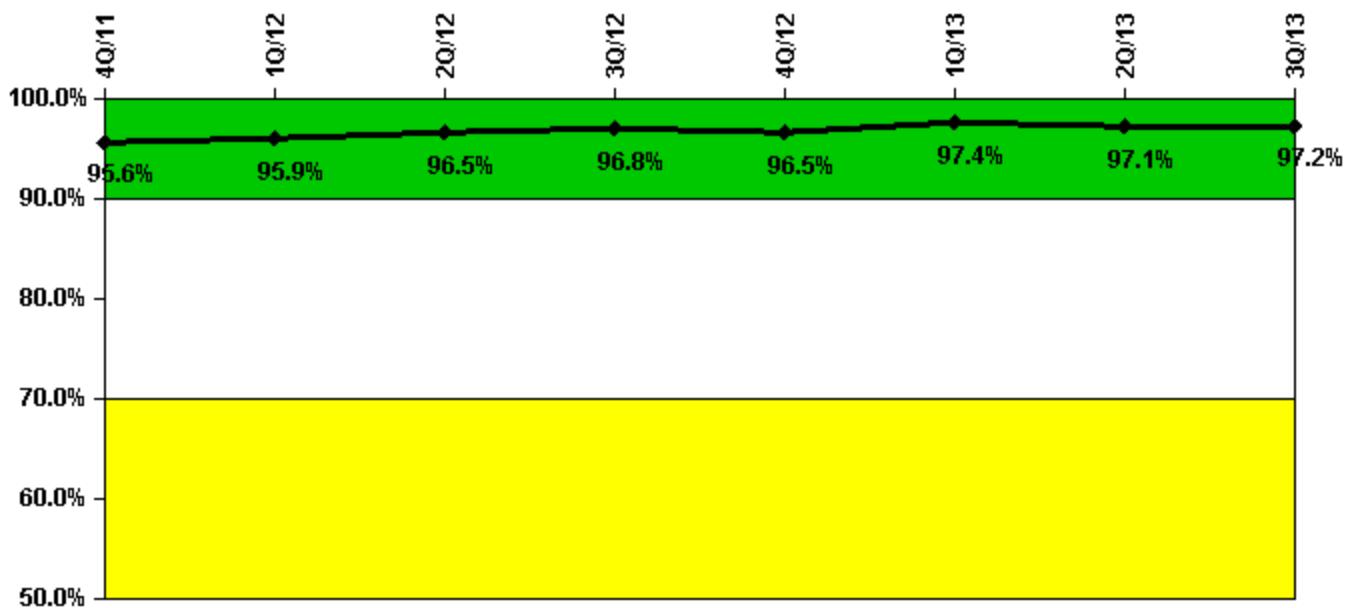
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.017	0.032	0.059	0.079	0.044	0.034	0.025	0.022	0.021	0.015	0.025	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</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	0.125	0.121	0.014	0.019	0.025	0.029	0.216	0.036	0.014	0.014	0.017	0.063
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>1.3</b>	<b>1.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>2.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

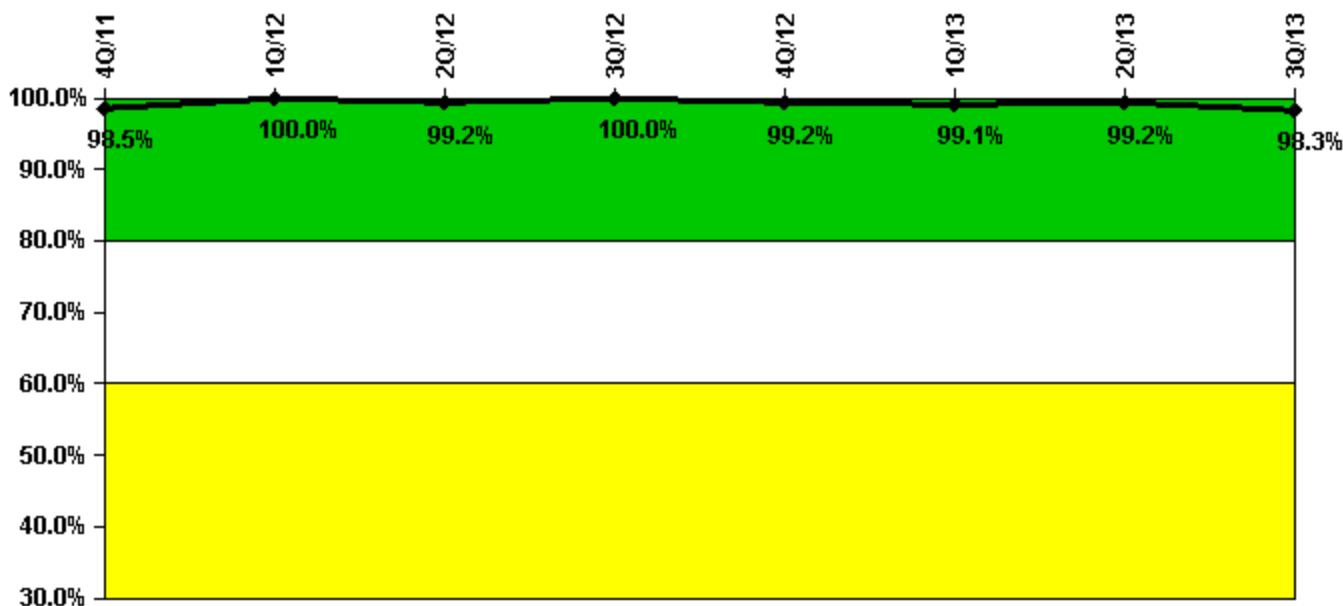
#### Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	28.0	39.0	14.0	62.0	45.0	40.0	47.0	37.0
Total opportunities	28.0	40.0	15.0	64.0	47.0	40.0	50.0	37.0
Indicator value	95.6%	95.9%	96.5%	96.8%	96.5%	97.4%	97.1%	97.2%

Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

### **ERO Drill Participation**



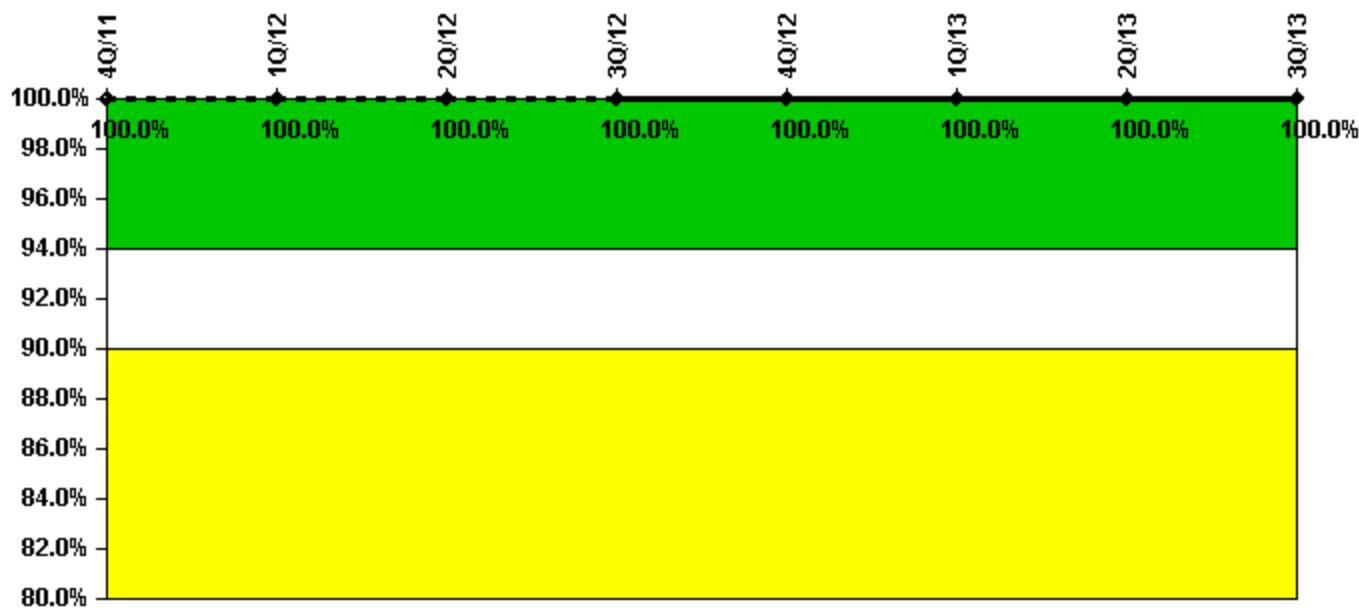
Thresholds: White < 80.0% Yellow < 60.0%

#### **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	134.0	130.0	127.0	123.0	122.0	108.0	117.0	117.0
Total Key personnel	136.0	130.0	128.0	123.0	123.0	109.0	118.0	119.0
<b>Indicator value</b>	<b>98.5%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>98.3%</b>

Licensee Comments: none

## **Alert & Notification System**



Thresholds: White < 94.0% Yellow < 90.0%

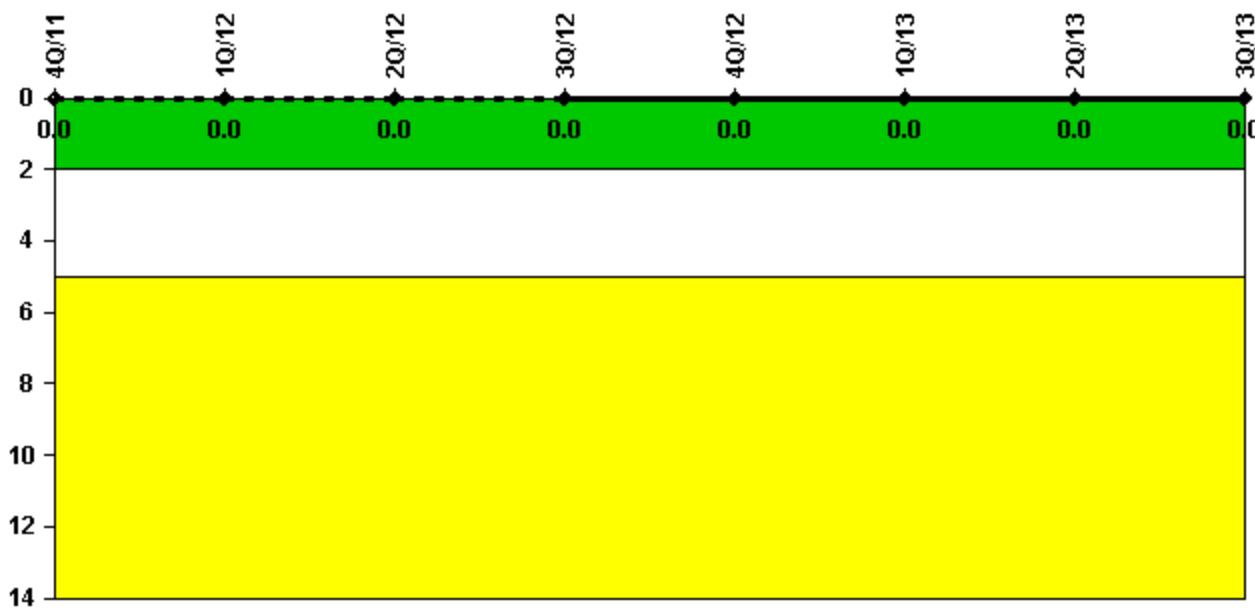
### **Notes**

<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	42	42	42	39	42	42	42	42
Total sirens-tests	42	42	42	39	42	42	42	42
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

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### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

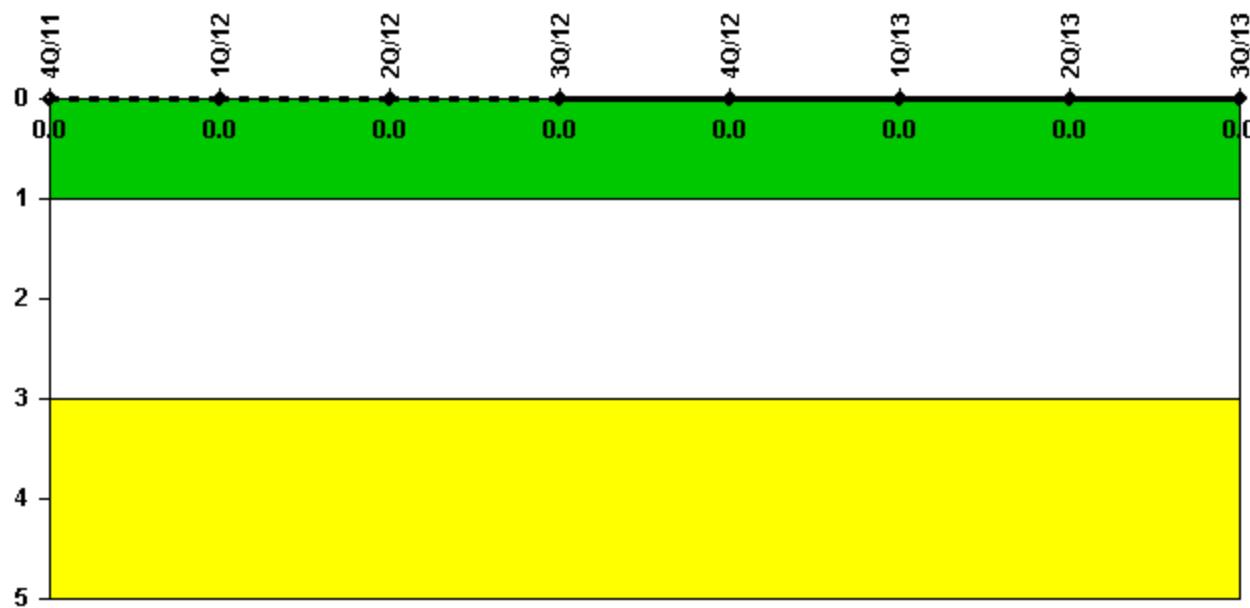
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
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/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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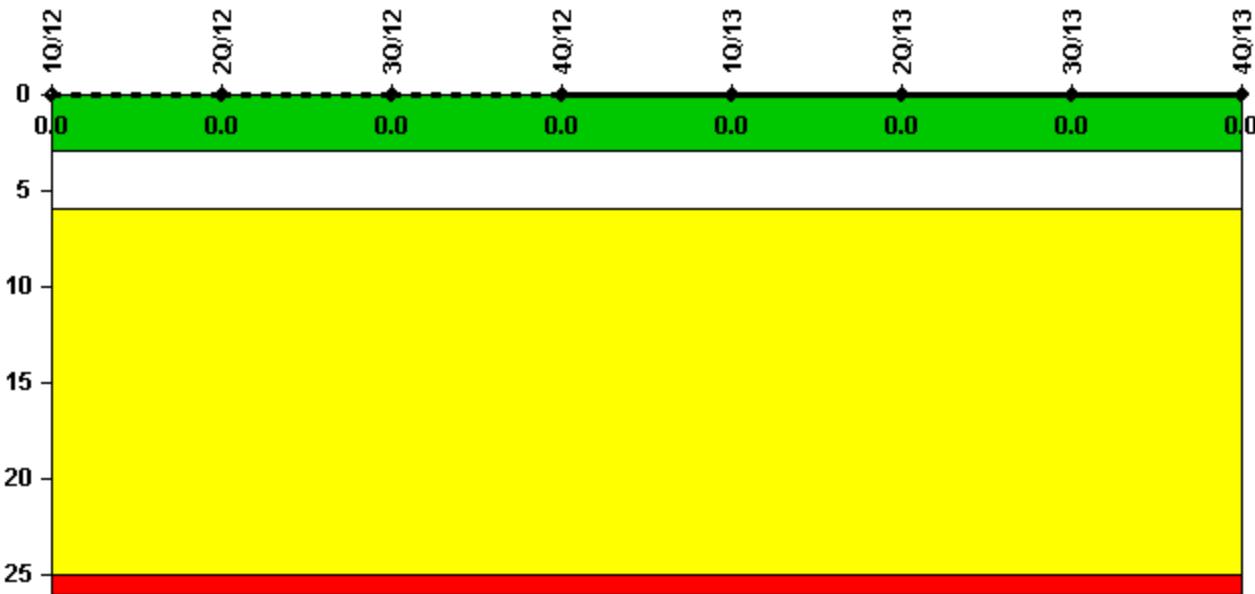
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 22, 2013*

**Farley 2****4Q/2013 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

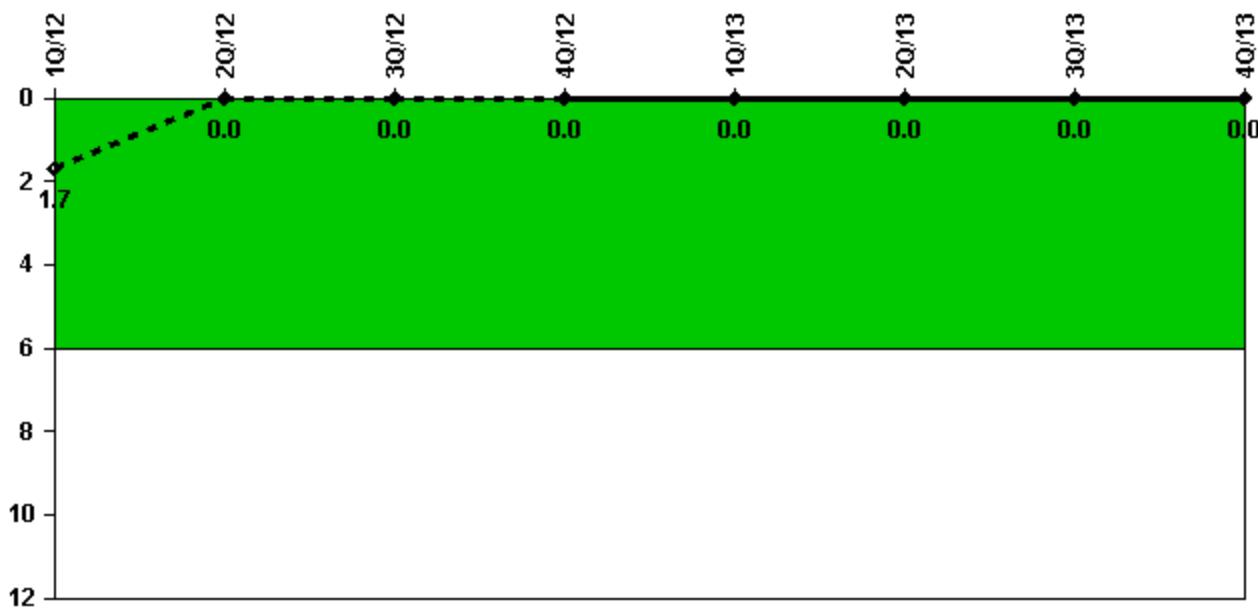
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**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	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



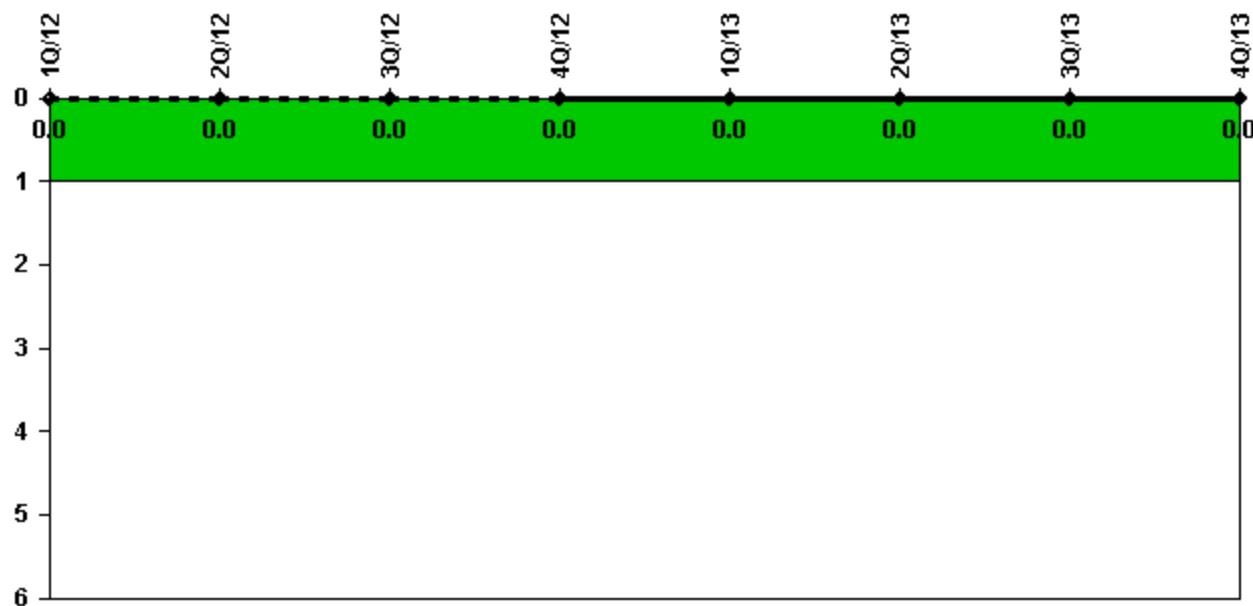
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1600.1	2208.0	2209.0
<b>Indicator value</b>	<b>1.7</b>	<b>0</b>						

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

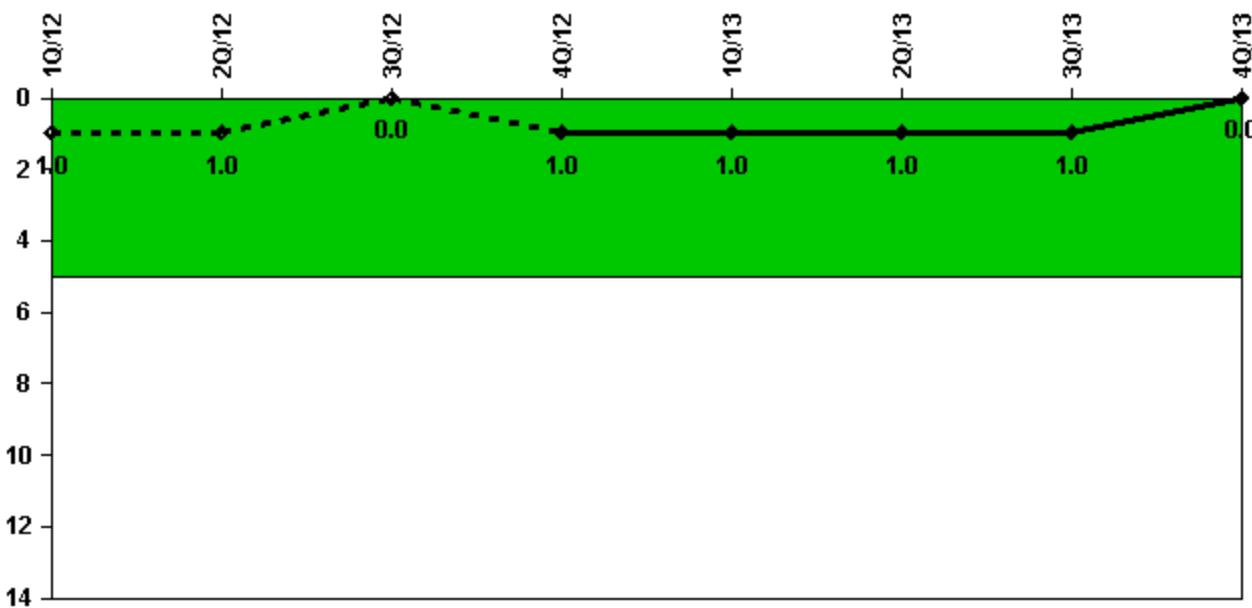
#### **Notes**

<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 (PWR)**



Thresholds: White > 5.0

#### **Notes**

<b>Safety System Functional Failures (PWR)</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	1	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</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/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	-6.80E-08	-8.80E-09	-2.55E-08	-2.55E-08	-2.55E-08	-2.56E-08	-2.56E-08	-2.56E-08
URI ( $\Delta$ CDF)	-7.19E-07	-2.77E-07						
PLE	NO							
Indicator value	<b>-7.90E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>

### Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

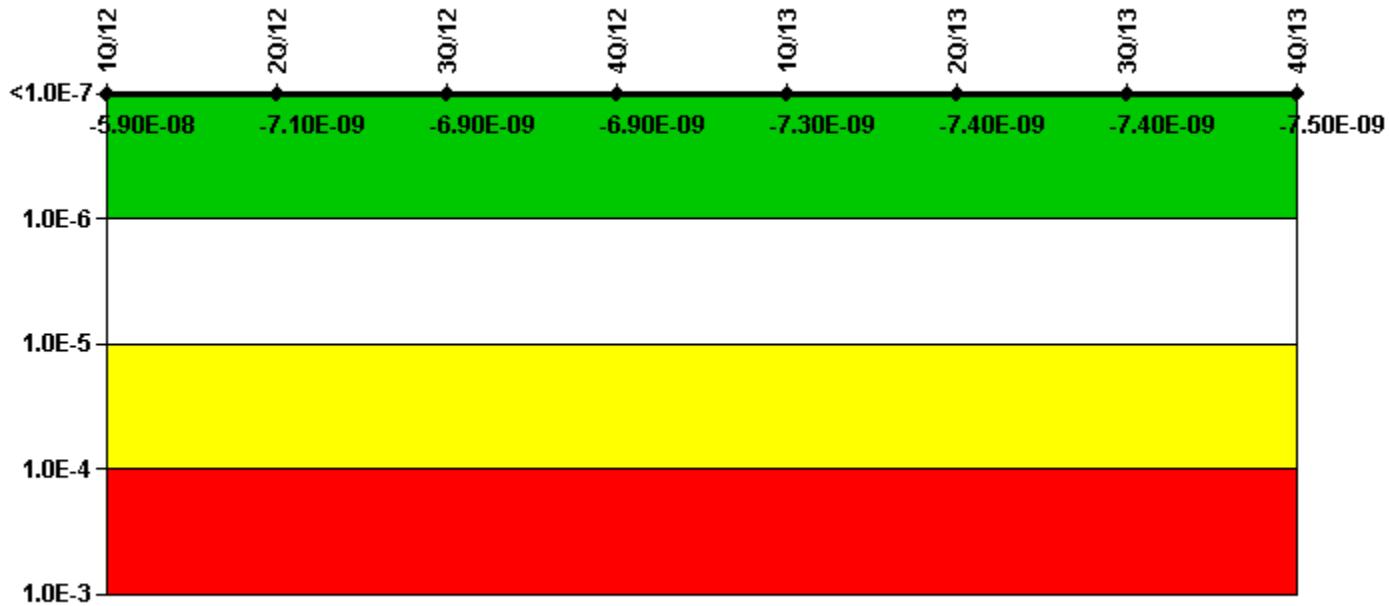
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

## 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)	-2.68E-08	-1.12E-10	8.26E-11	5.58E-11	-3.43E-10	-3.72E-10	-3.93E-10	-4.80E-10
URI ( $\Delta$ CDF)	-3.22E-08	-7.01E-09						
PLE	NO							
Indicator value	<b>-5.90E-08</b>	<b>-7.10E-09</b>	<b>-6.90E-09</b>	<b>-6.90E-09</b>	<b>-7.30E-09</b>	<b>-7.40E-09</b>	<b>-7.40E-09</b>	<b>-7.50E-09</b>

### Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

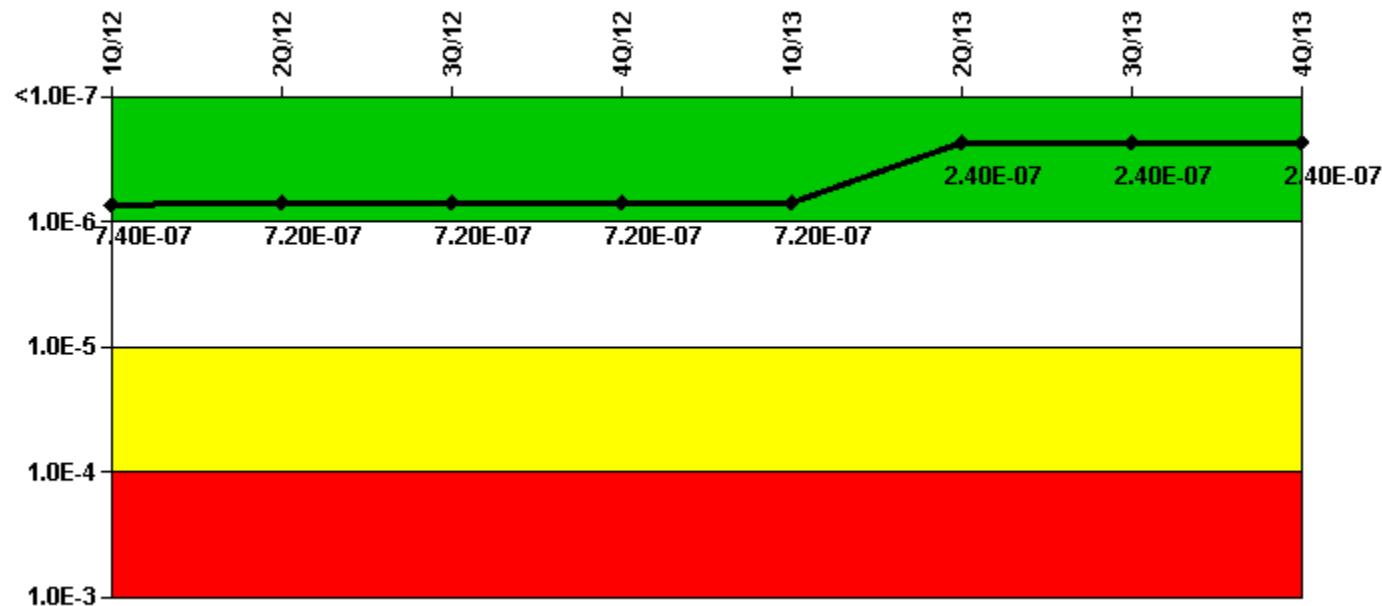
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### 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)	-3.48E-08	-9.98E-09	-9.98E-09	-1.02E-08	-1.29E-08	-1.40E-08	-1.40E-08	-1.40E-08
URI ( $\Delta$ CDF)	7.74E-07	7.29E-07	7.29E-07	7.29E-07	7.29E-07	2.57E-07	2.57E-07	2.57E-07
PLE	NO							
<b>Indicator value</b>	<b>7.40E-07</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>2.40E-07</b>	<b>2.40E-07</b>	<b>2.40E-07</b>

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

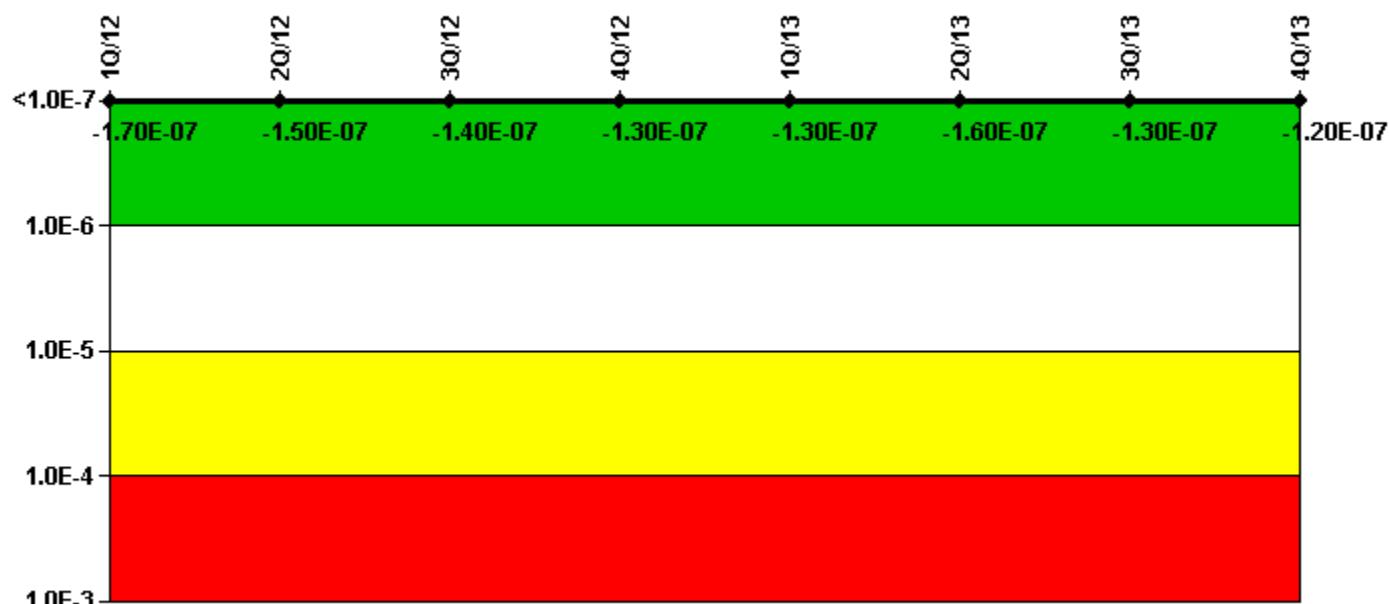
3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

1Q/12: Risk Cap Invoked.

### 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)	1.39E-08	-3.80E-09	4.41E-09	1.49E-08	1.82E-08	-1.45E-08	1.96E-08	2.64E-08
URI ( $\Delta$ CDF)		-1.84E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	-1.70E-07	-1.50E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.60E-07	-1.30E-07	-1.20E-07
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## Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

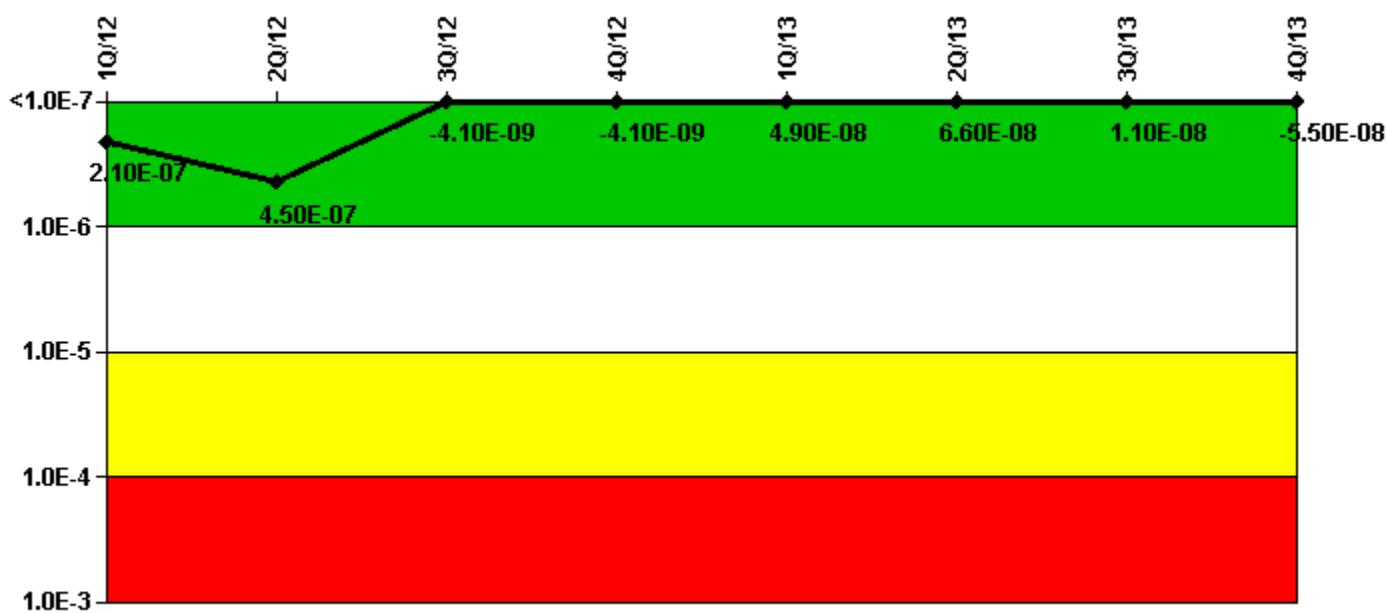
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### 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)	4.82E-08	2.90E-07	-8.03E-08	-8.04E-08	-8.17E-08	-6.51E-08	-6.56E-08	-7.64E-08
URI ( $\Delta$ CDF)	1.64E-07	1.57E-07	7.63E-08	7.63E-08	1.31E-07	1.31E-07	7.61E-08	2.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>2.10E-07</b>	<b>4.50E-07</b>	<b>-4.10E-09</b>	<b>-4.10E-09</b>	<b>4.90E-08</b>	<b>6.60E-08</b>	<b>1.10E-08</b>	<b>-5.50E-08</b>

## Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

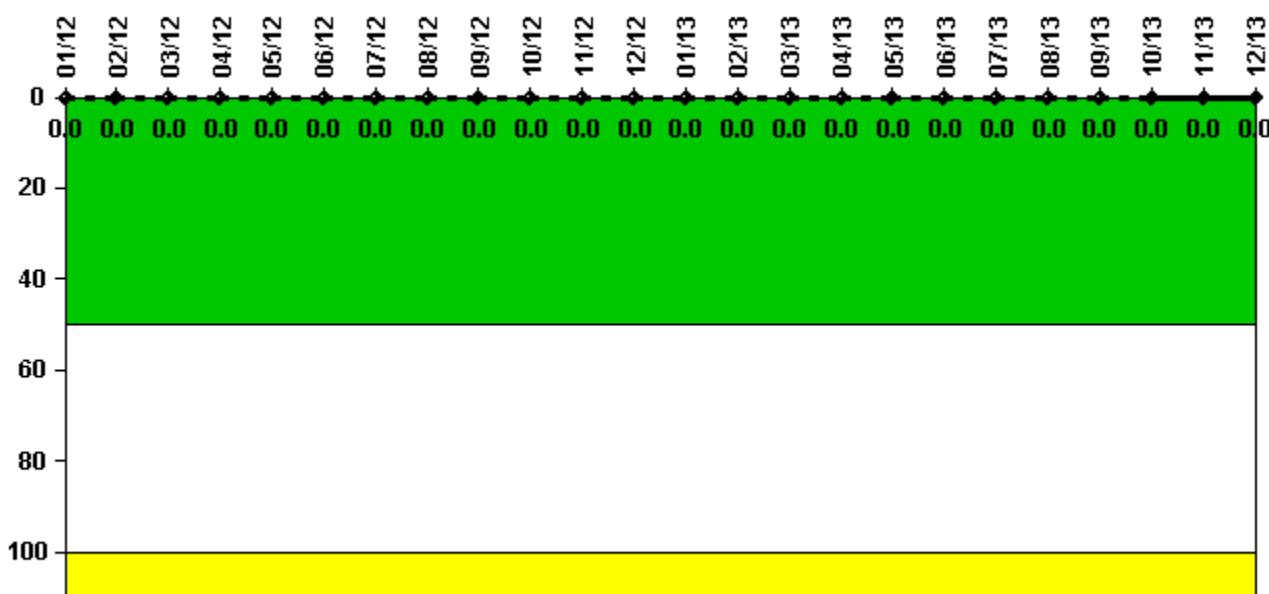
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### Reactor Coolant System Activity

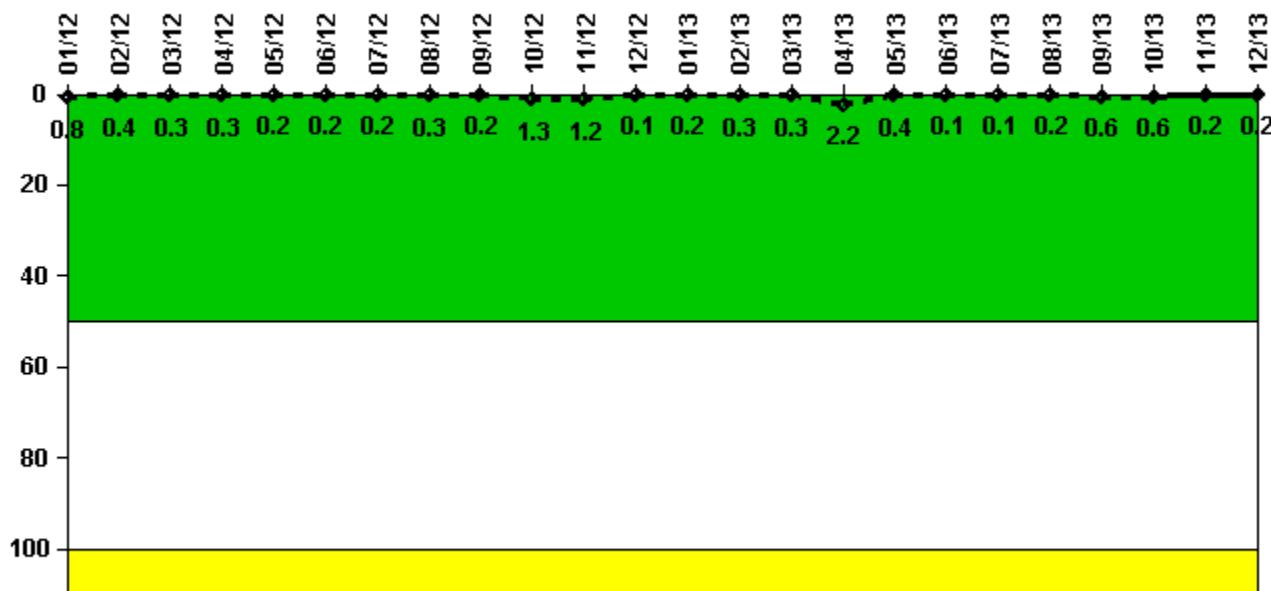


Thresholds: White > 50.0 Yellow > 100.0

**Notes**

<b>Reactor Coolant System Activity</b>	<b>1/12</b>	<b>2/12</b>	<b>3/12</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>
Maximum activity	0.000034	0.000035	0.000040	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>									
<b>Reactor Coolant System Activity</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>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>
Maximum activity	0.000046	0.000162	0.000048	0.000050	0.000028	0	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>									

Licensee Comments: none

**Reactor Coolant System Leakage**

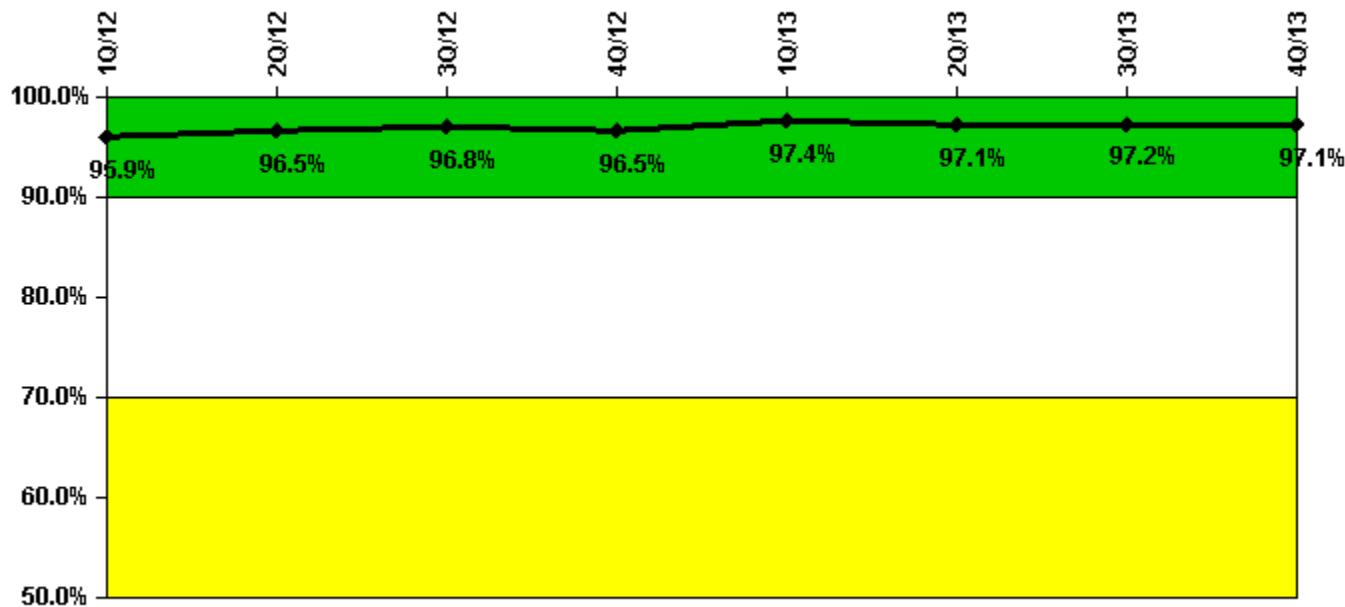
Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**Notes**

<b>Reactor Coolant System Leakage</b>	<b>1/12</b>	<b>2/12</b>	<b>3/12</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>
Maximum leakage	0.079	0.044	0.034	0.025	0.022	0.021	0.015	0.025	0.019	0.125	0.121	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.8</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>1.3</b>	<b>1.2</b>	<b>0.1</b>
<b>Reactor Coolant System Leakage</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>	<b>10/13</b>	<b>11/13</b>	<b>12/13</b>
Maximum leakage	0.019	0.025	0.029	0.216	0.036	0.014	0.014	0.017	0.063	0.055	0.015	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>2.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>	<b>0.6</b>	<b>0.2</b>	<b>0.2</b>

Licensee Comments: none

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**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

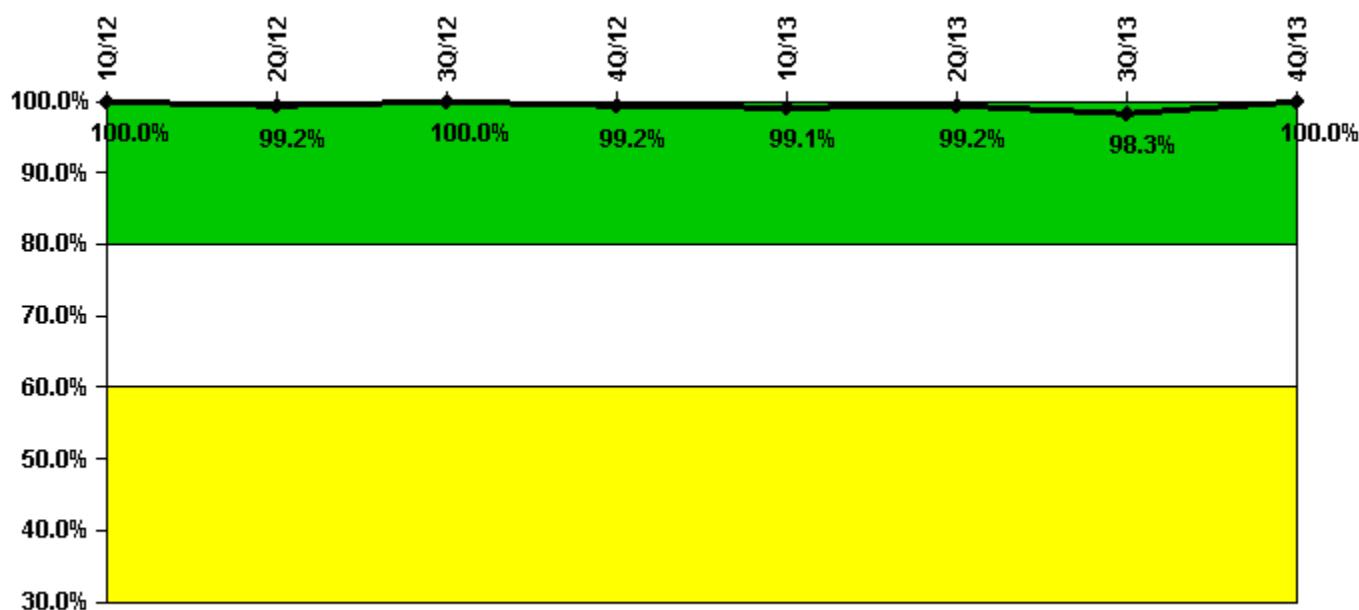
<b>Drill/Exercise Performance</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>
Successful opportunities	39.0	14.0	62.0	45.0	40.0	47.0	37.0	18.0
Total opportunities	40.0	15.0	64.0	47.0	40.0	50.0	37.0	18.0

Indicator value	95.9%	96.5%	96.8%	96.5%	97.4%	97.1%	97.2%	97.1%
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## Licensee Comments:

1Q/12: Data changed due to an entry error at the site.

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**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

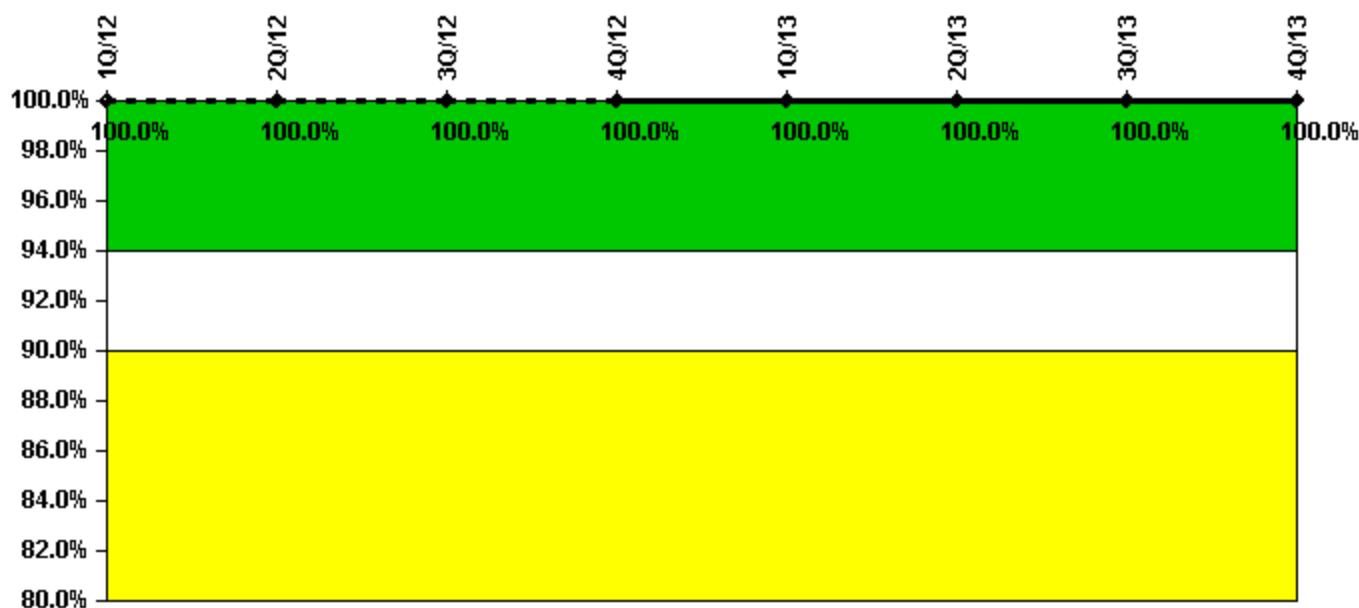
**Notes**

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	130.0	127.0	123.0	122.0	108.0	117.0	117.0	121.0
Total Key personnel	130.0	128.0	123.0	123.0	109.0	118.0	119.0	121.0
Indicator value	100.0%	99.2%	100.0%	99.2%	99.1%	99.2%	98.3%	100.0%

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

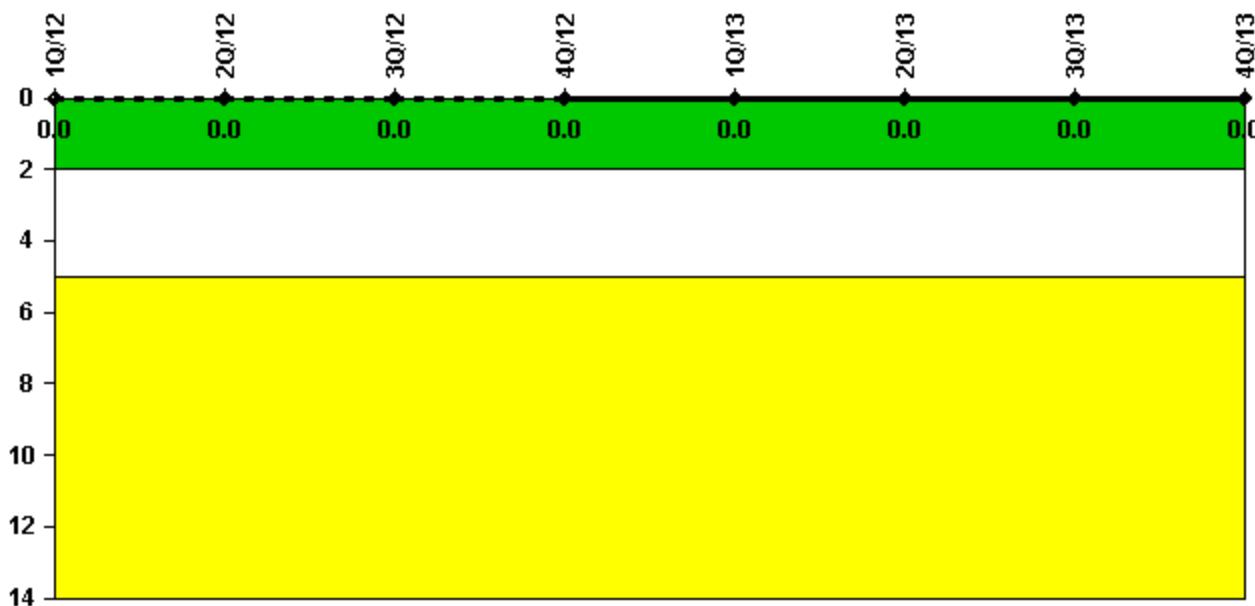
### Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	42	42	39	42	42	42	42	42
Total sirens-tests	42	42	39	42	42	42	42	42
<b>Indicator value</b>	<b>100.0%</b>							

Licensee Comments: none

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### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

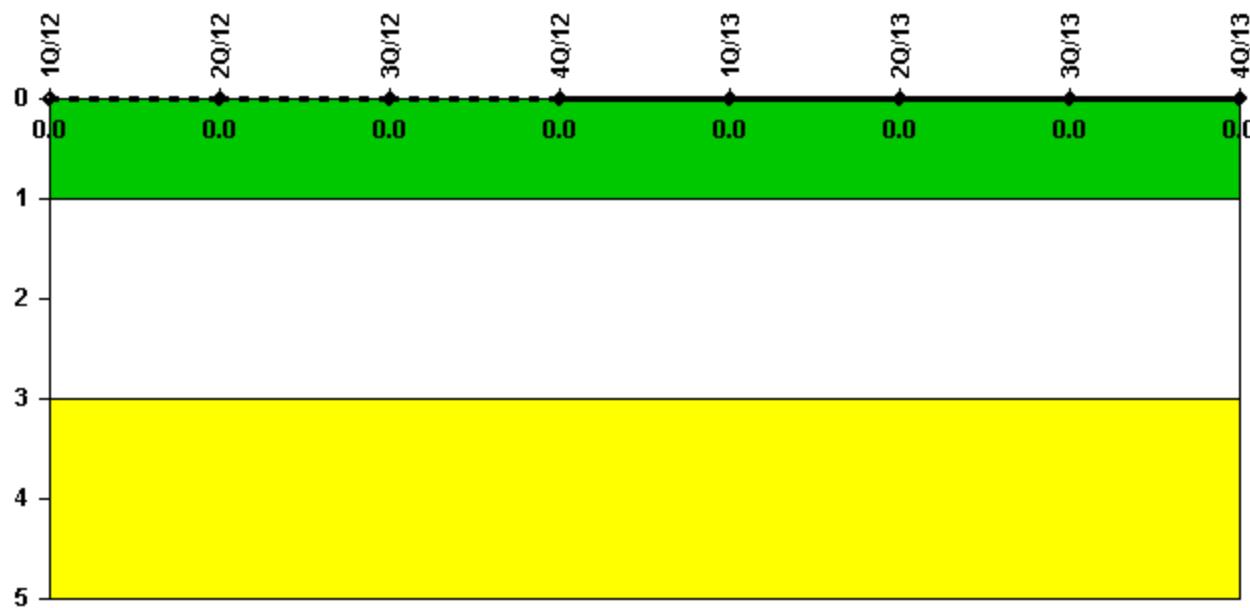
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
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/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*

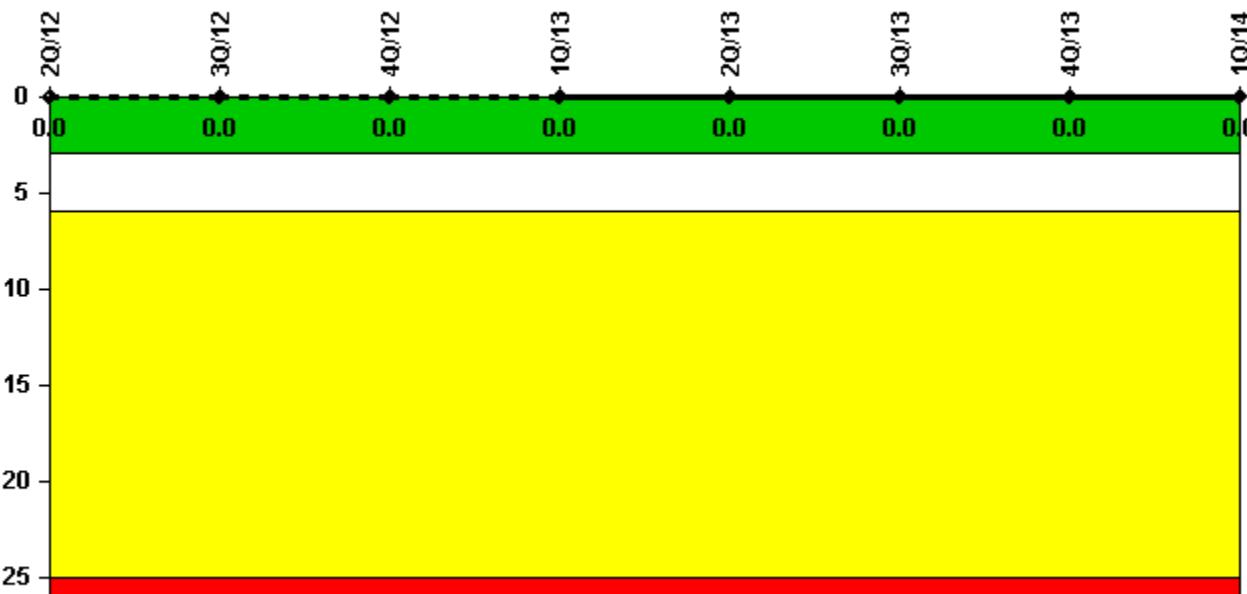
# Farley 2

## 1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: System updated to remove the PRA credit that was once given for the plant modification with the RCP Shutdown Seals. This update went back to the 4th Q2013 due to the confirmed Beaver Valley failure in July 2013. In addition, the High Pressure Injection System was updated from Q2 2012 to the end of Q3 2013 due the PRA value being incorrect. None of these changes resulted in a color change.

### Unplanned Scrams per 7000 Critical Hrs

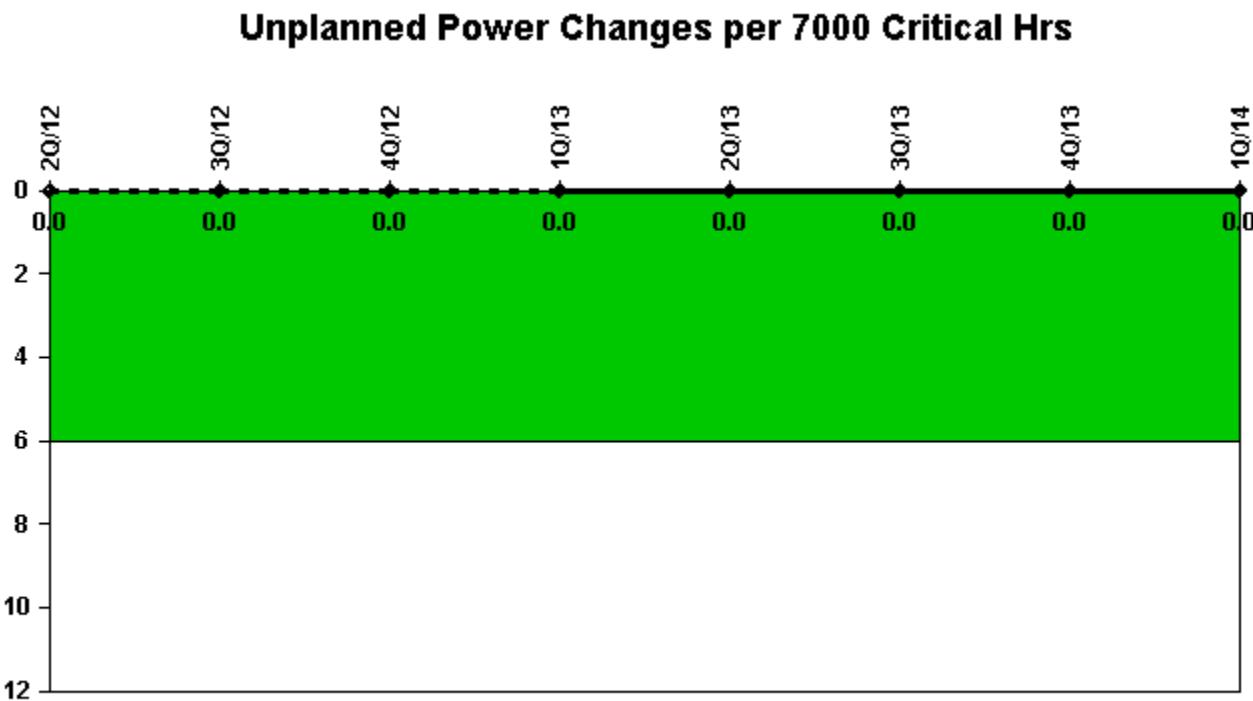


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



Thresholds: White > 6.0

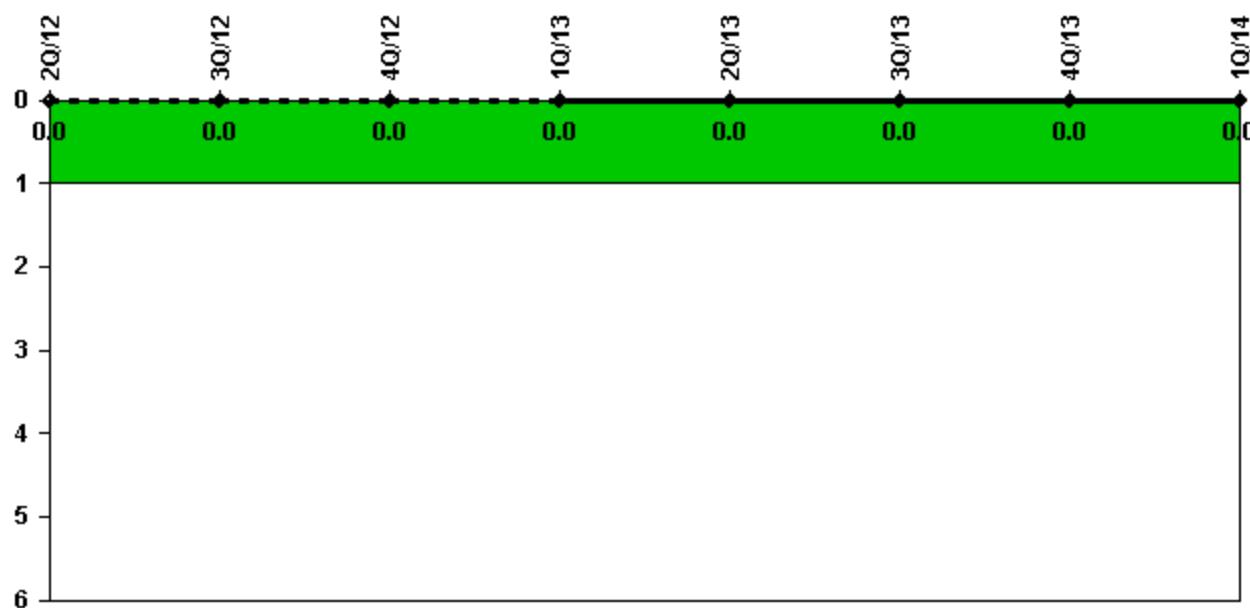
#### Notes

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	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

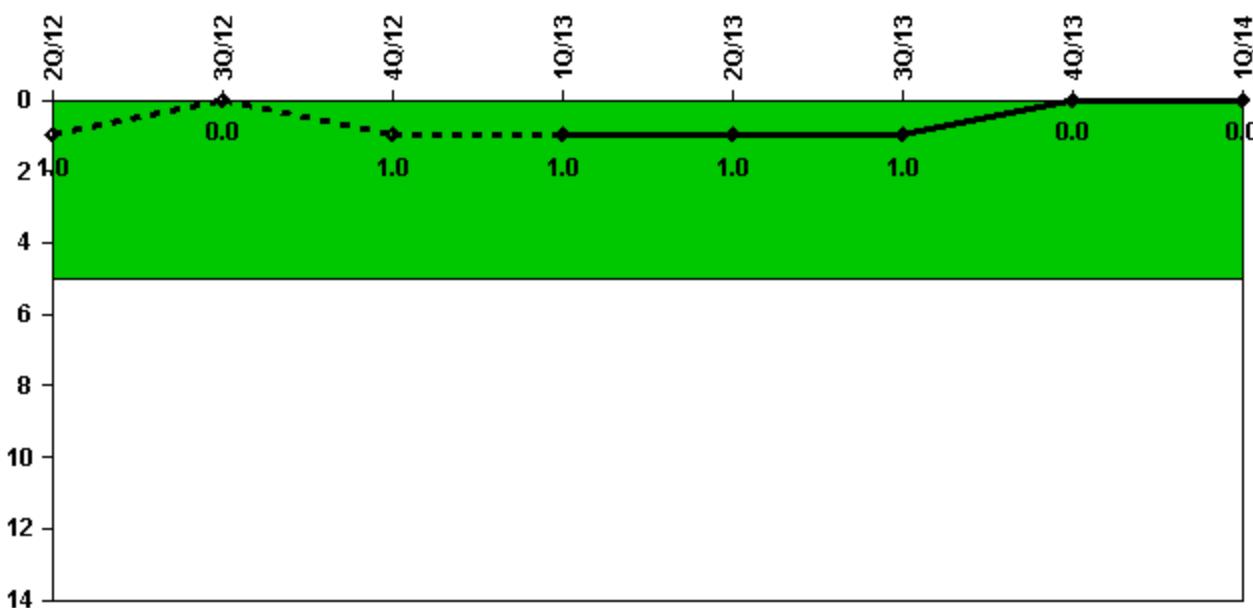
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>2Q/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 (PWR)**



Thresholds: White > 5.0

#### **Notes**

<b>Safety System Functional Failures (PWR)</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	1	0	0	0	0	0
<b>Indicator value</b>	<b>1</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

## 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)	-8.80E-09	-2.55E-08	-2.55E-08	-2.55E-08	-2.56E-08	-2.56E-08	-4.86E-08	-3.59E-08
URI ( $\Delta$ CDF)	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-5.59E-07	-3.60E-07
PLE	NO							
Indicator value	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

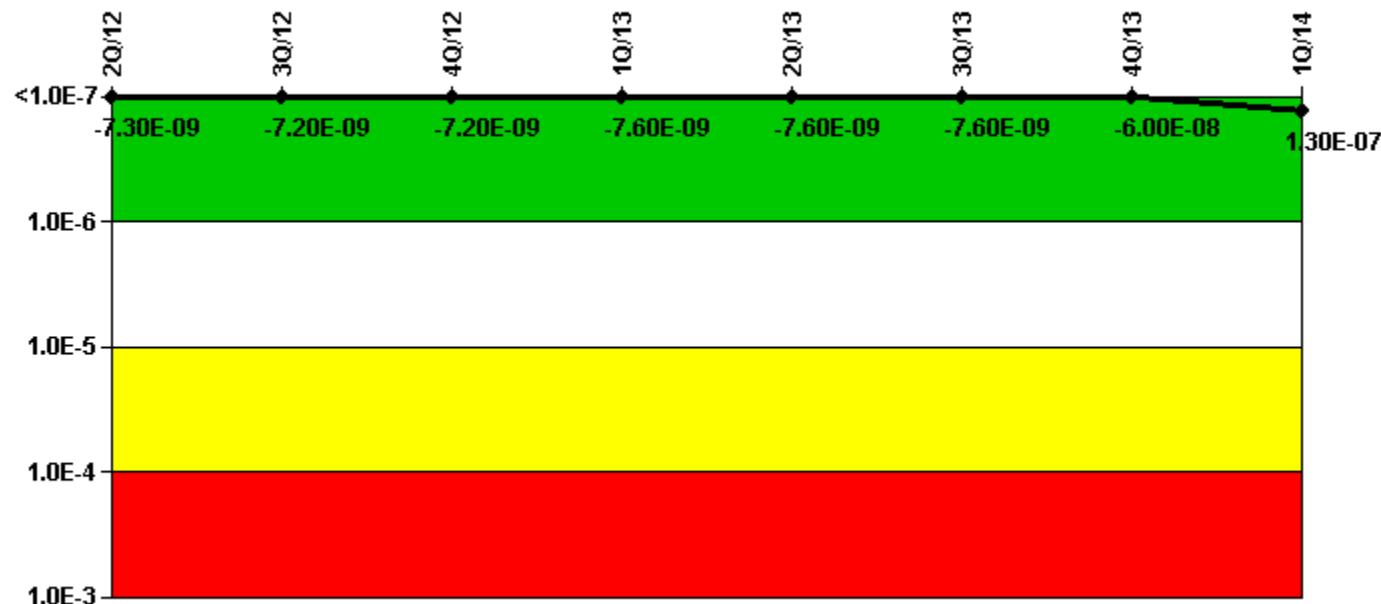
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### 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)	-1.12E-10	8.26E-11	5.58E-11	-3.43E-10	-3.72E-10	-3.93E-10	-3.22E-08	1.56E-07
URI ( $\Delta$ CDF)	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-2.82E-08	-2.82E-08
PLE	NO	NO						
<b>Indicator value</b>	<b>-7.30E-09</b>	<b>-7.20E-09</b>	<b>-7.20E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

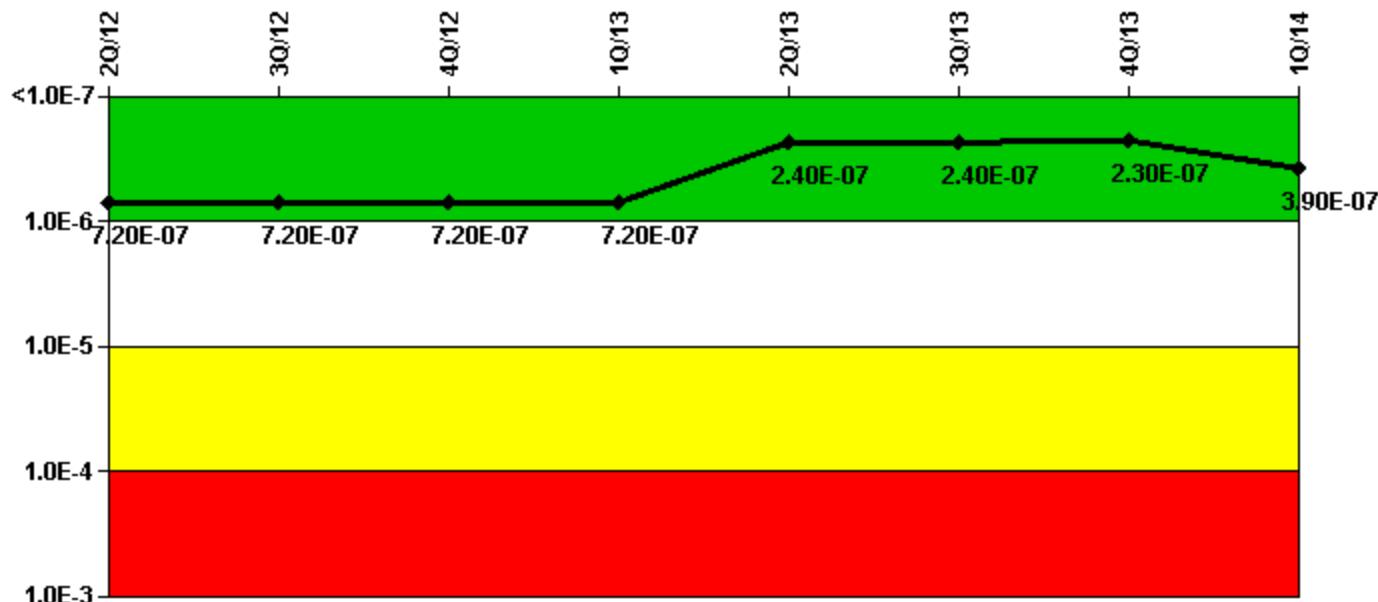
2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

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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	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	-9.98E-09	-9.98E-09	-1.02E-08	-1.29E-08	-1.40E-08	-1.40E-08	-6.99E-09	1.51E-07
URI ( $\Delta$ CDF)	7.29E-07	7.29E-07	7.29E-07	7.29E-07	2.57E-07	2.57E-07	2.36E-07	2.36E-07
PLE	NO							
<b>Indicator value</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>7.20E-07</b>	<b>2.40E-07</b>	<b>2.40E-07</b>	<b>2.30E-07</b>	<b>3.90E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

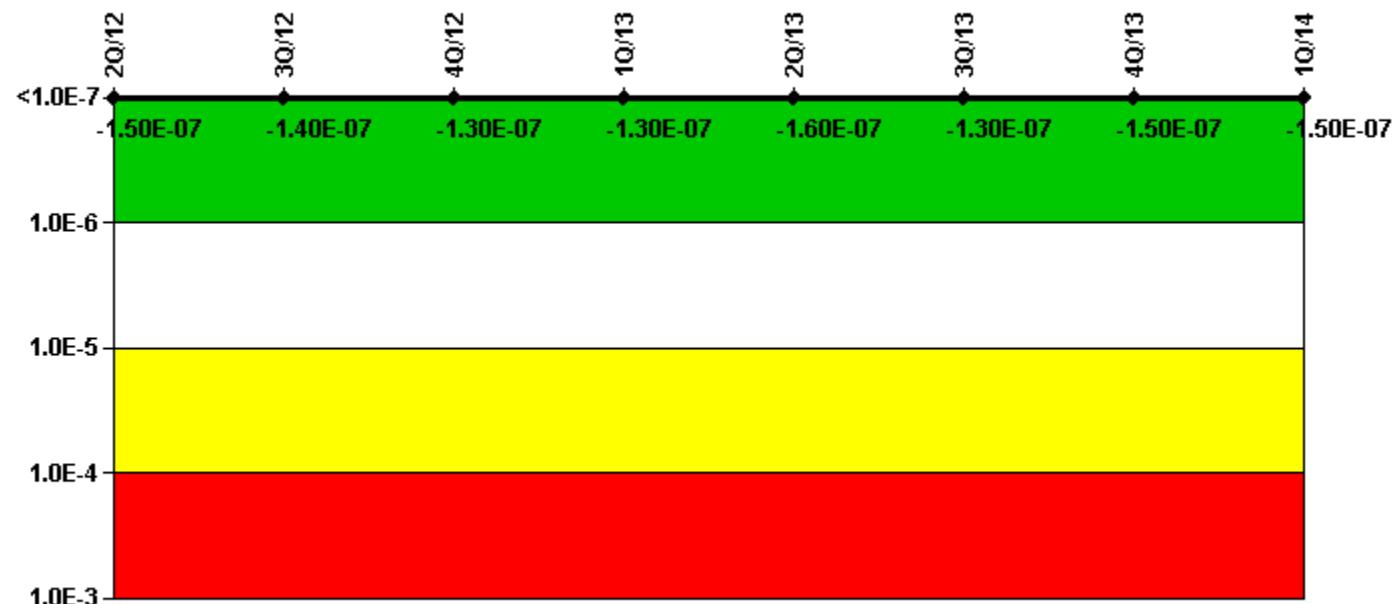
3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective

2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### 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)	-3.80E-09	4.41E-09	1.49E-08	1.82E-08	-1.45E-08	1.96E-08	7.90E-08	7.34E-08
URI ( $\Delta$ CDF)	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-2.25E-07	-2.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.50E-07</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

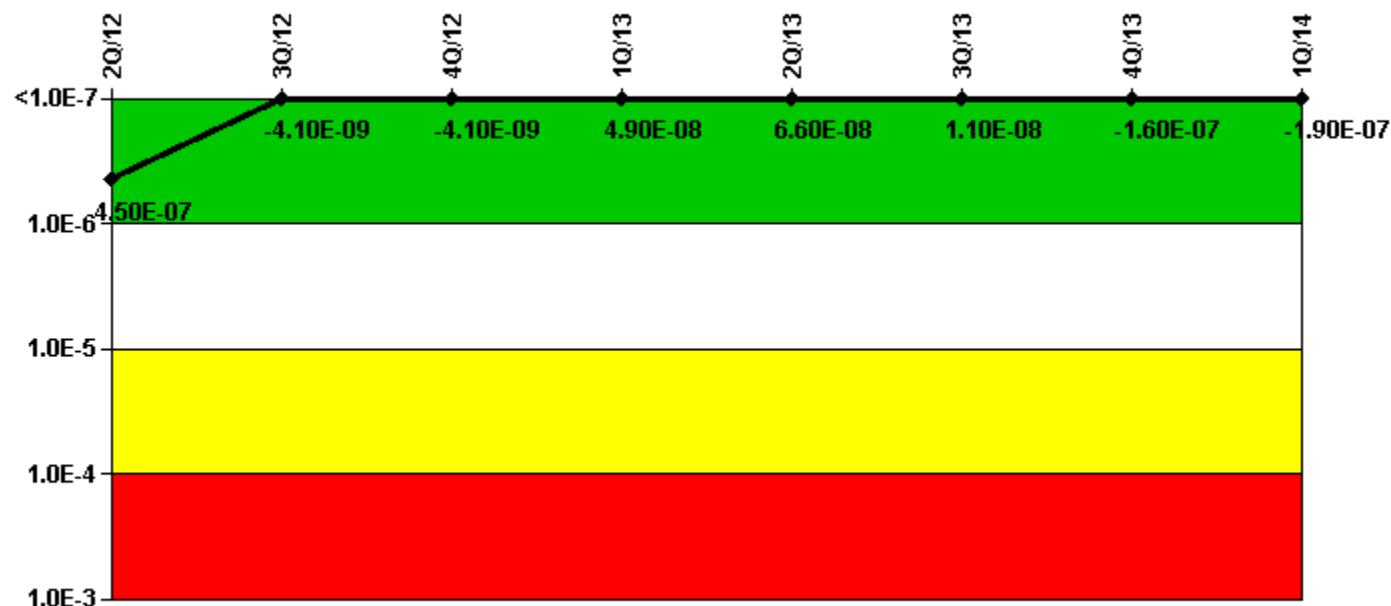
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### 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)	2.90E-07	-8.03E-08	-8.04E-08	-8.17E-08	-6.51E-08	-6.56E-08	5.48E-08	1.67E-08
URI ( $\Delta$ CDF)	1.57E-07	7.63E-08	7.63E-08	1.31E-07	1.31E-07	7.61E-08	-2.12E-07	-2.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

<b>Indicator value</b>	<b>4.50E-07</b>	<b>-4.10E-09</b>	<b>-4.10E-09</b>	<b>4.90E-08</b>	<b>6.60E-08</b>	<b>1.10E-08</b>	<b>-1.60E-07</b>	<b>-1.90E-07</b>
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**Licensee Comments:**

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

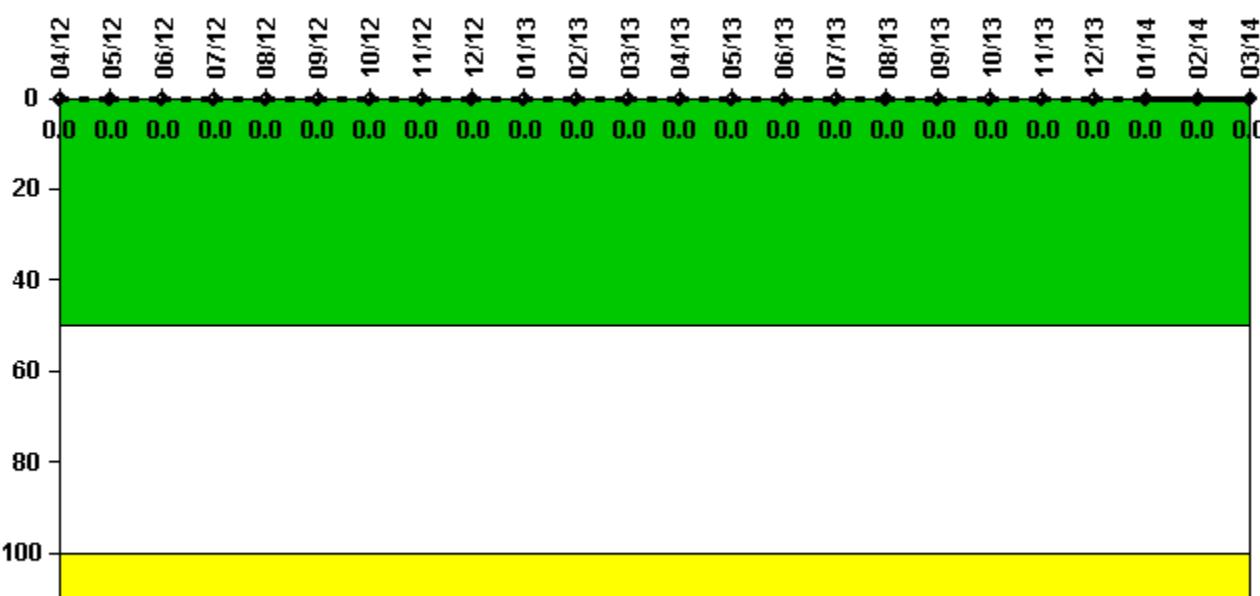
4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

2Q/12: Changed PRA Parameter(s). MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

2Q/12: MSPI Basis document was changed due to a Unit 2 PRA update. Effective 2Q2012.

### **Reactor Coolant System Activity**

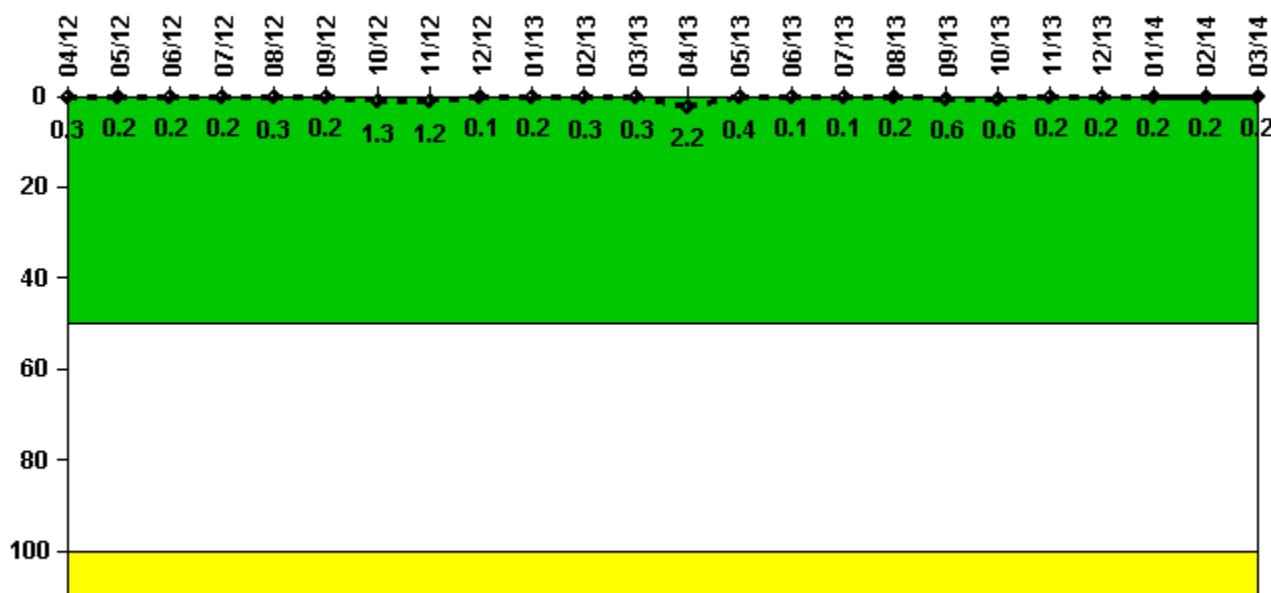


**Thresholds: White > 50.0 Yellow > 100.0**

**Notes**

<b>Reactor Coolant System Activity</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 activity	0.000040	0.000037	0.000038	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<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	0.000050	0.000028	0	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<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**

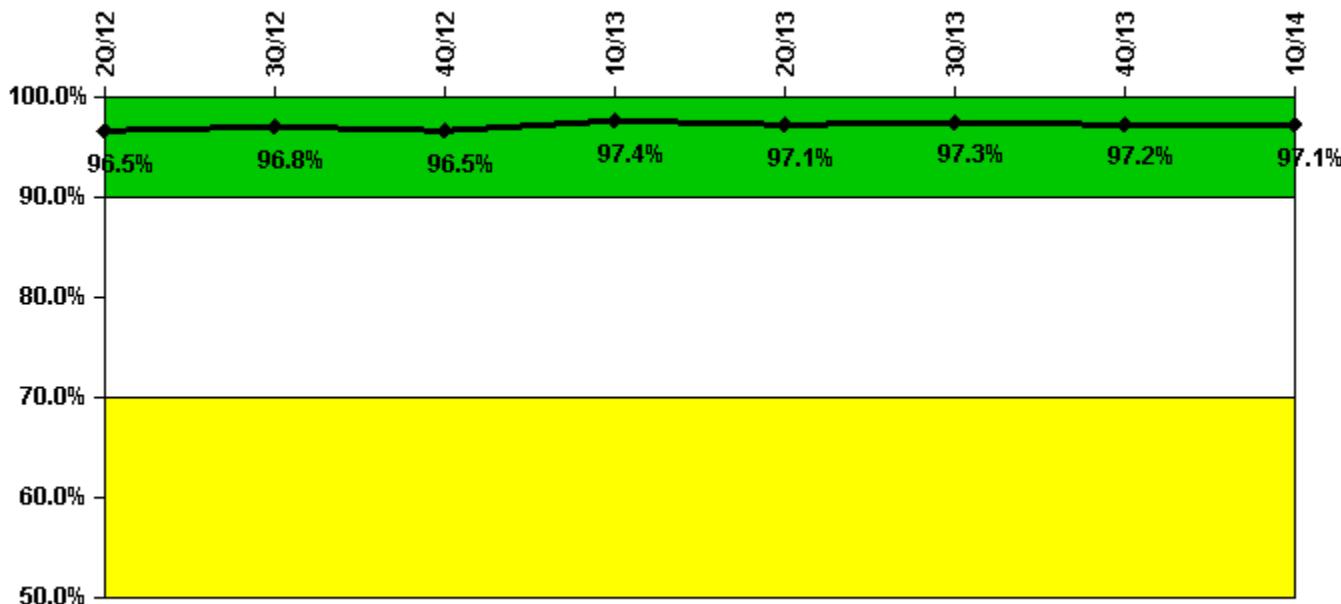
Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**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	0.025	0.022	0.021	0.015	0.025	0.019	0.125	0.121	0.014	0.019	0.025	0.029
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>1.3</b>	<b>1.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</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	0.216	0.036	0.014	0.014	0.017	0.063	0.055	0.015	0.019	0.017	0.016	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>2.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>	<b>0.6</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>

Licensee Comments: none

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**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

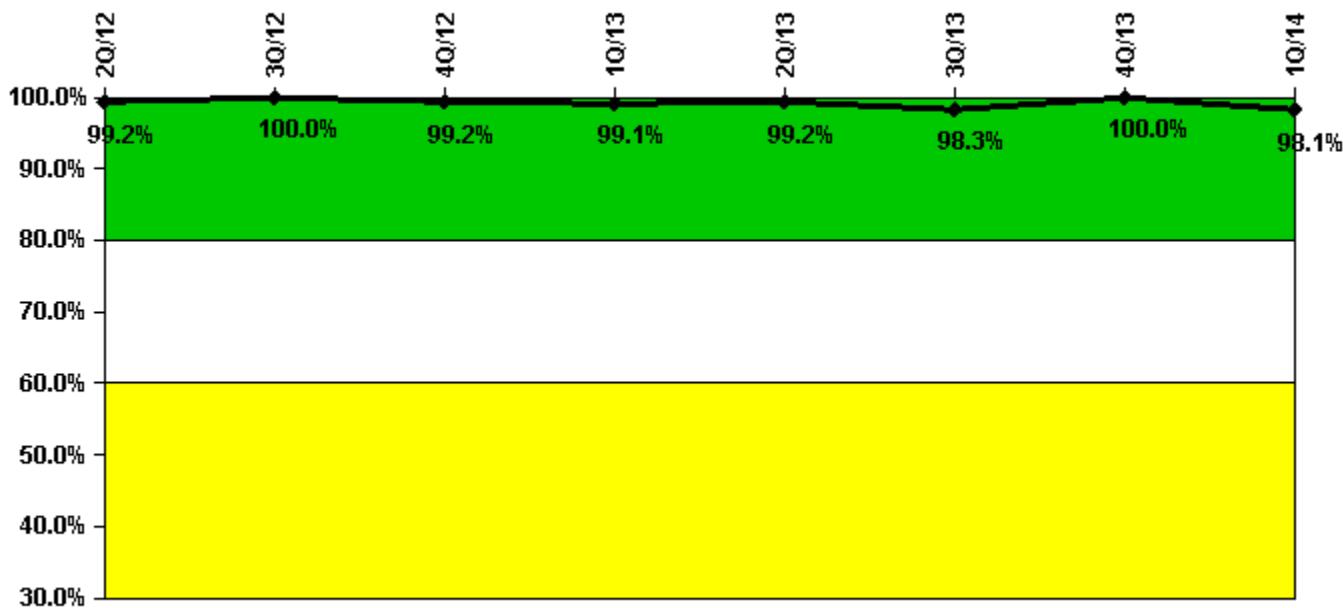
<b>Drill/Exercise Performance</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>	<b>3Q/13</b>	<b>4Q/13</b>	<b>1Q/14</b>
Successful opportunities	14.0	62.0	45.0	40.0	47.0	46.0	18.0	27.0
Total opportunities	15.0	64.0	47.0	40.0	50.0	46.0	18.0	28.0

<b>Indicator value</b>	<b>96.5%</b>	<b>96.8%</b>	<b>96.5%</b>	<b>97.4%</b>	<b>97.1%</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>
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Licensee Comments: none

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### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

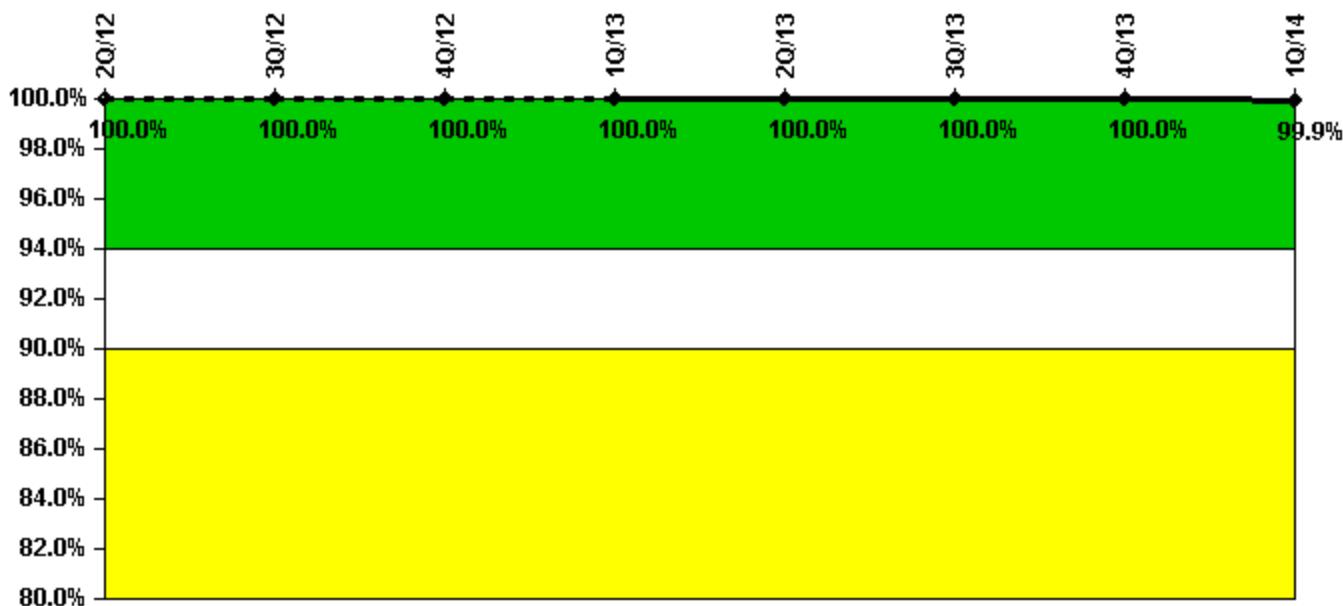
### Notes

<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	127.0	123.0	122.0	108.0	117.0	117.0	121.0	103.0
Total Key personnel	128.0	123.0	123.0	109.0	118.0	119.0	121.0	105.0
<b>Indicator value</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.2%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>98.3%</b>	<b>100.0%</b>	<b>98.1%</b>

Licensee Comments: none

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## Alert & Notification System



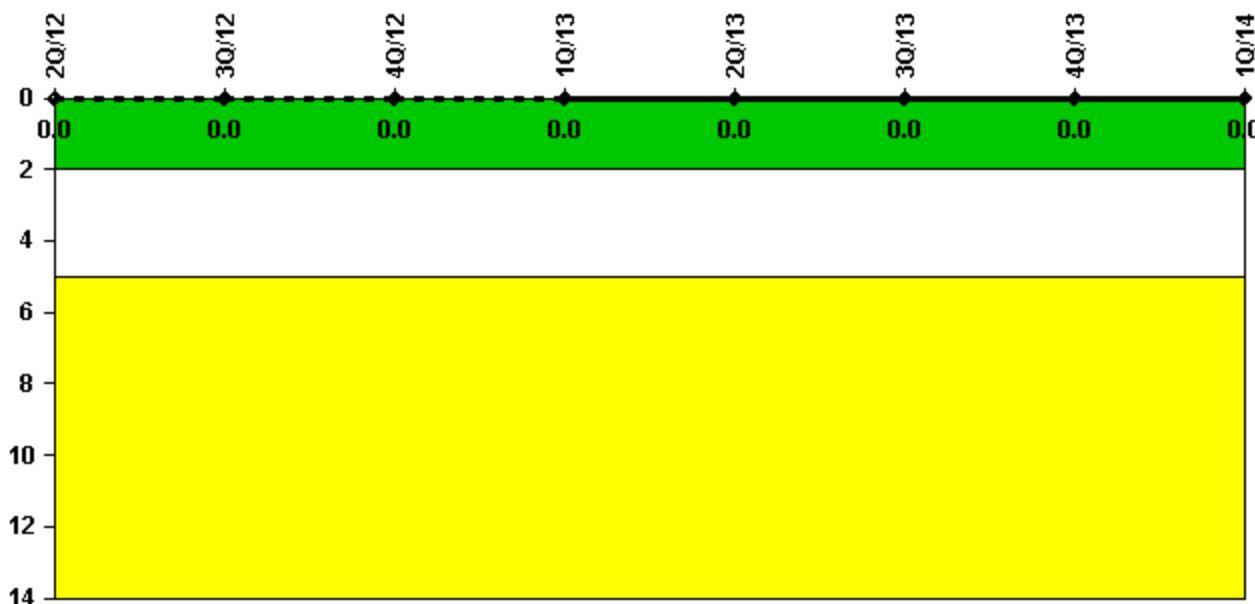
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	42	39	42	42	42	42	42	1156
Total sirens-tests	42	39	42	42	42	42	42	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>99.9%</b>						

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

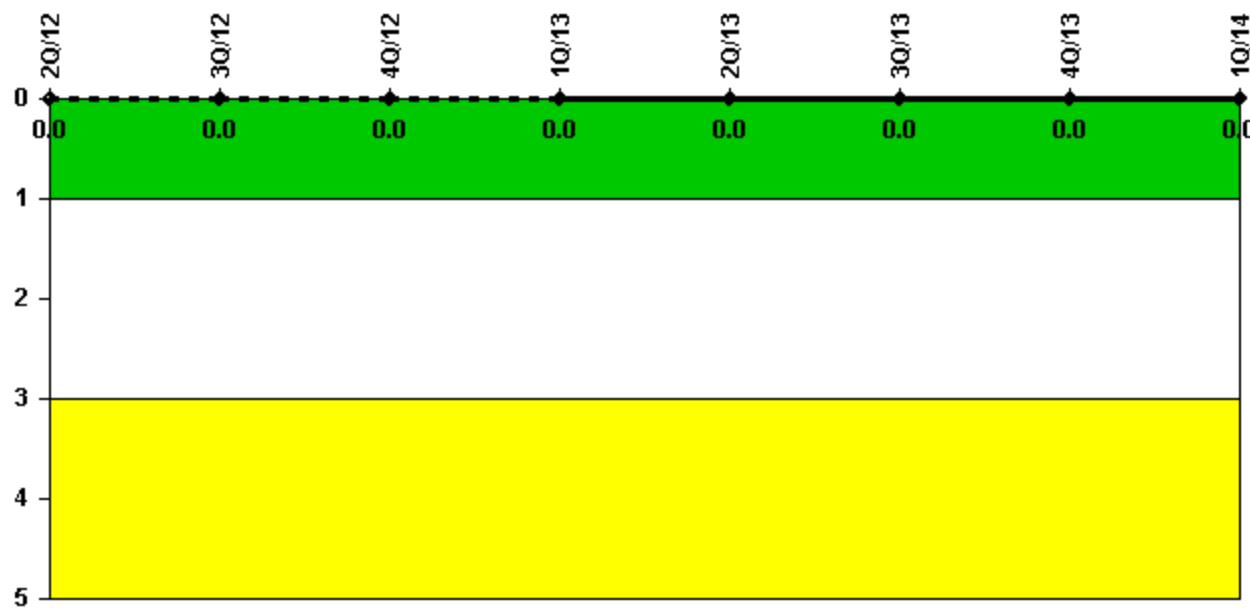
#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	2Q/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*

## Farley 2

### 2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**



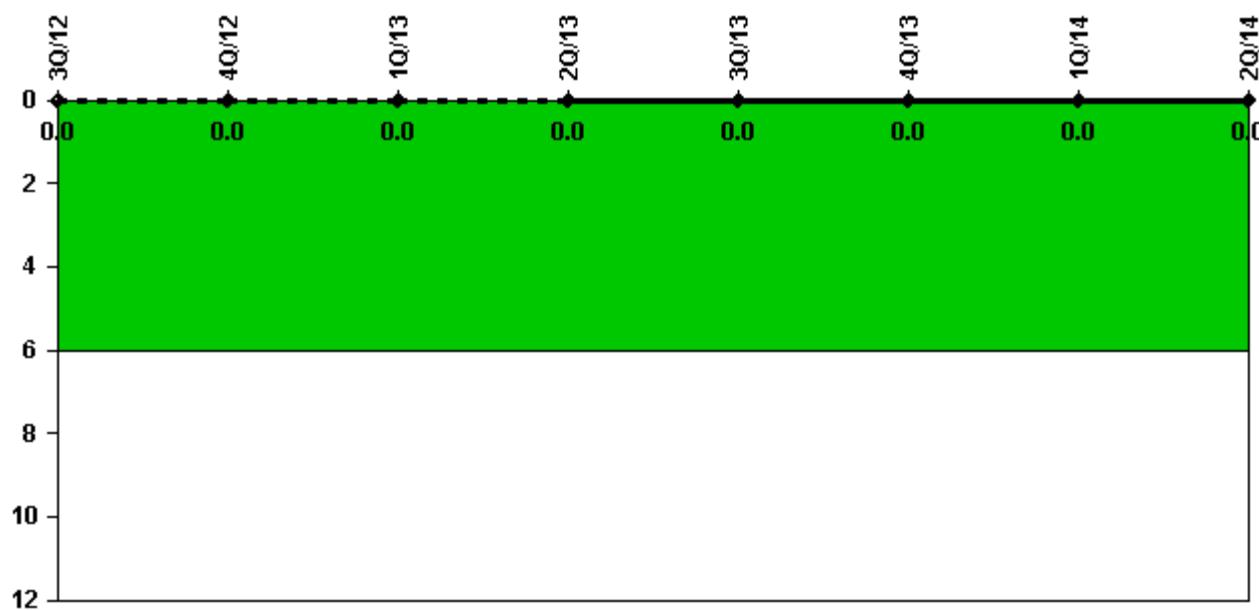
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



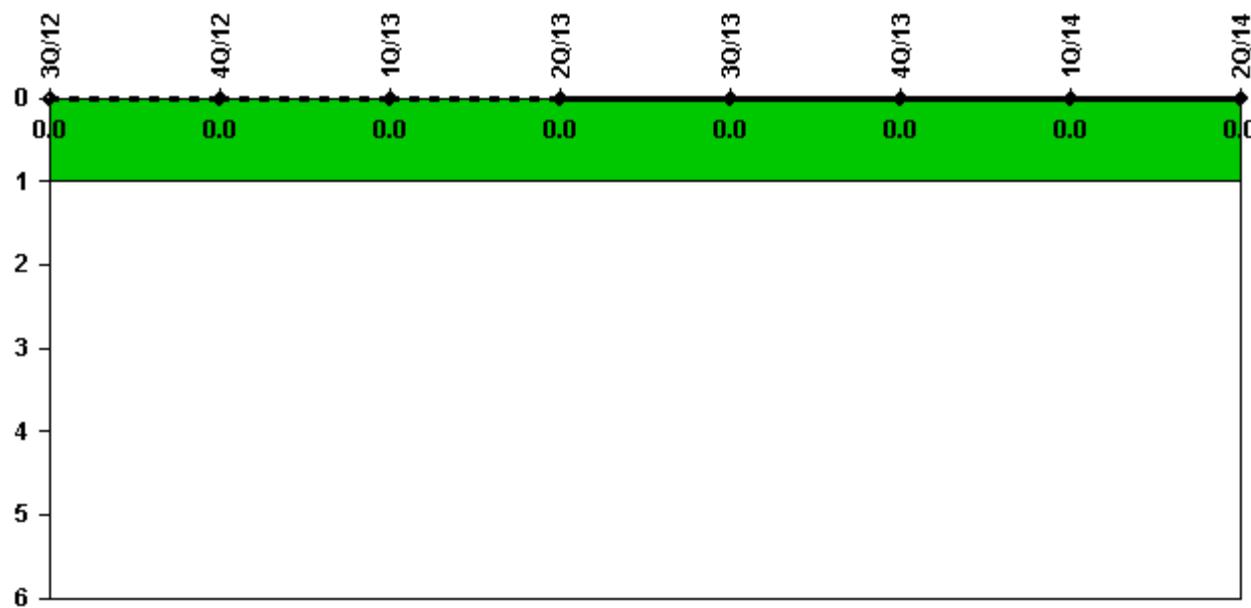
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### **Unplanned Scrams with Complications**



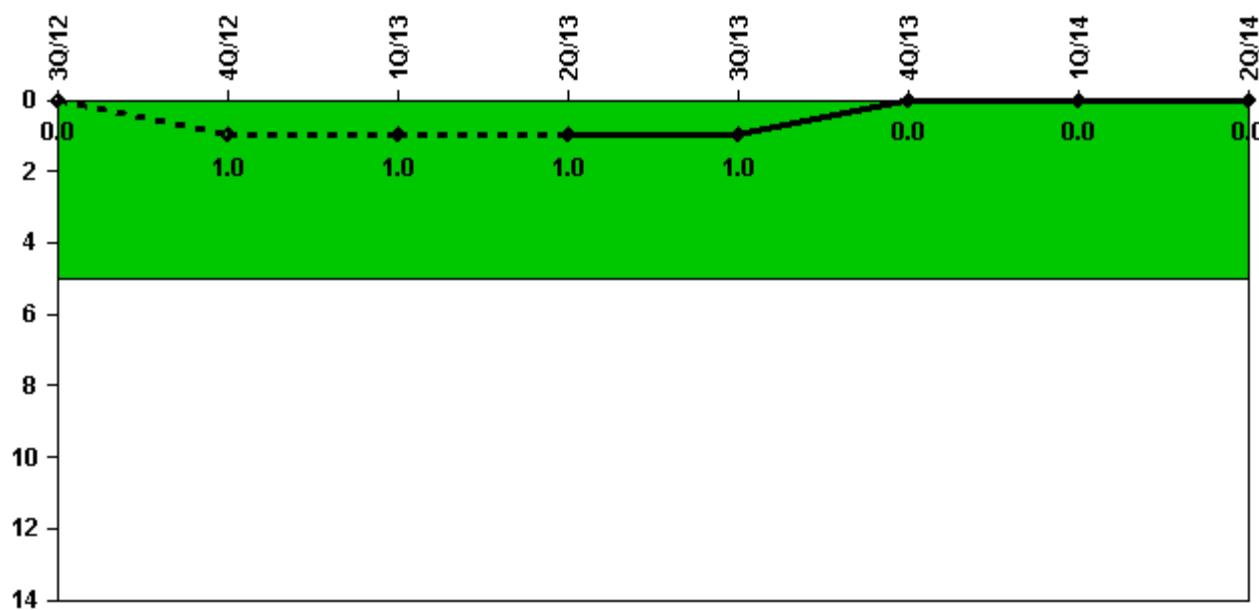
Thresholds: White > 1.0

#### **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 (PWR)



Thresholds: White > 5.0

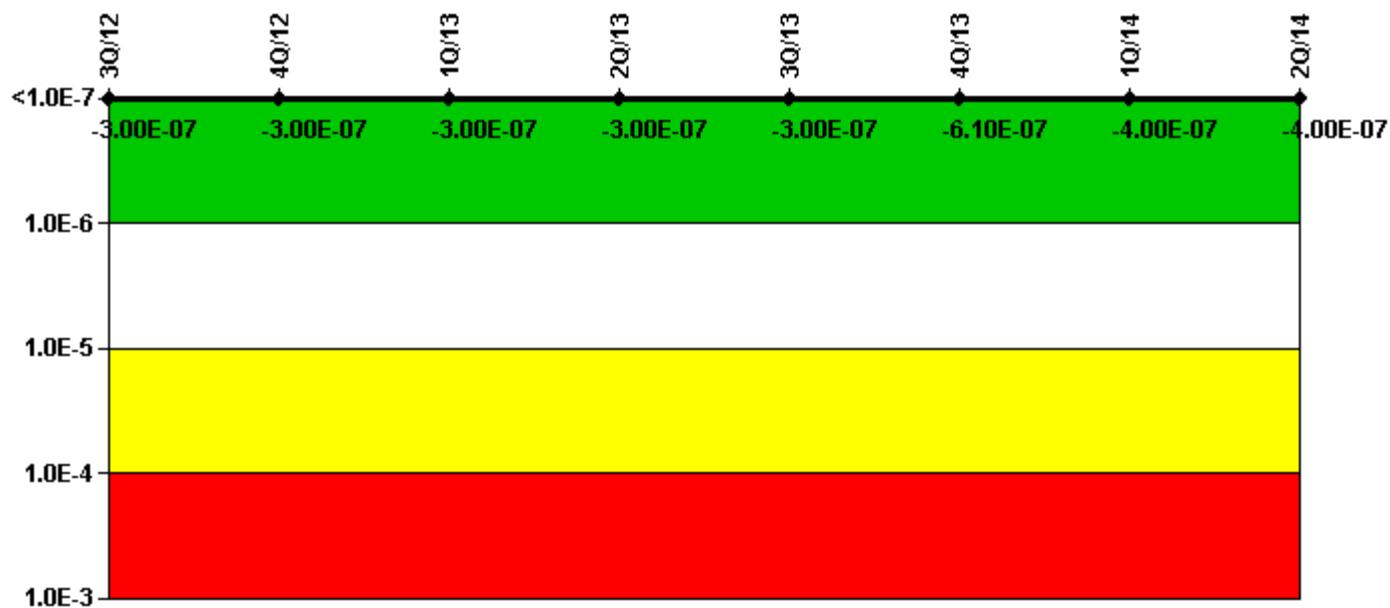
#### Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	-2.55E-08	-2.55E-08	-2.55E-08	-2.56E-08	-2.56E-08	-4.86E-08	-3.59E-08	-3.59E-08
URI ( $\Delta$ CDF)	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-5.59E-07	-3.60E-07	-3.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>

### Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: 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	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	8.26E-11	5.58E-11	-3.43E-10	-3.72E-10	-3.93E-10	-3.22E-08	1.56E-07	1.82E-07
URI ( $\Delta$ CDF)	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.20E-09</b>	<b>-7.20E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

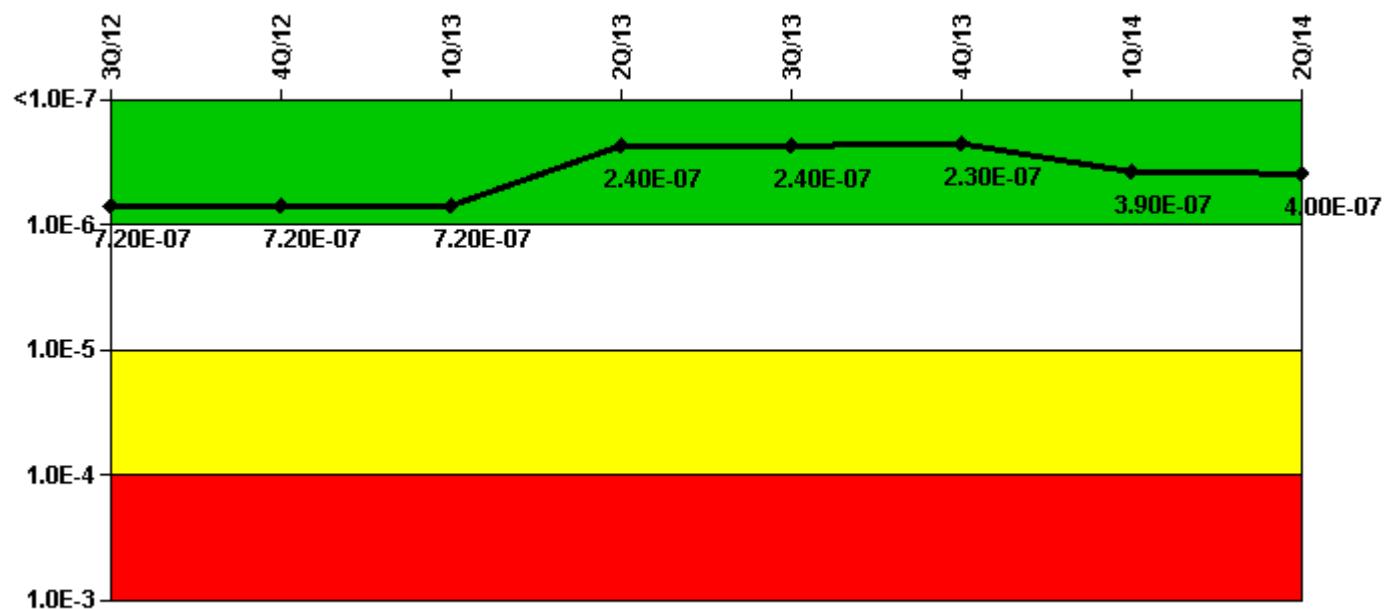
4Q/12: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

### 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)	-9.98E-09	-1.02E-08	-1.29E-08	-1.40E-08	-1.40E-08	-6.99E-09	1.51E-07	1.63E-07
URI ( $\Delta$ CDF)	7.29E-07	7.29E-07	7.29E-07	2.57E-07	2.57E-07	2.36E-07	2.36E-07	2.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

<b>Indicator value</b>	7.20E-07	7.20E-07	7.20E-07	2.40E-07	2.40E-07	2.30E-07	3.90E-07	4.00E-07
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## Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

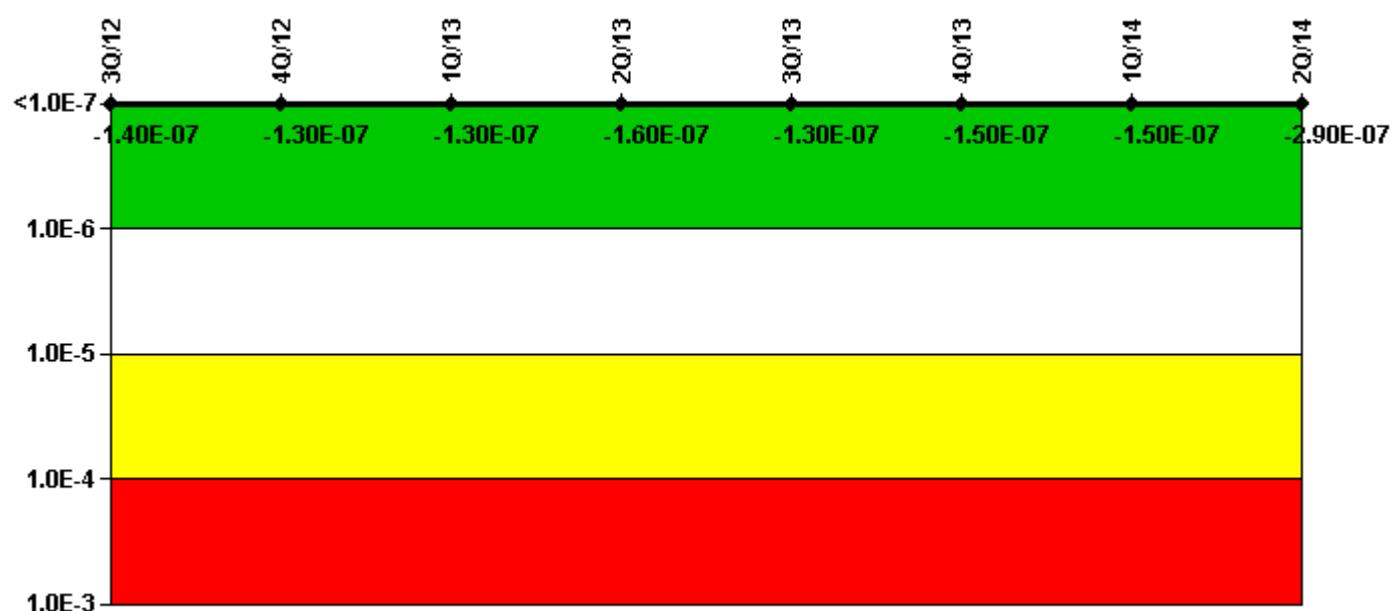
3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

**Mitigating Systems Performance Index, Residual Heat Removal System**

Thresholds: White &gt; 1.00E-6 Yellow &gt; 1.00E-5 Red &gt; 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
				-1.45E-				-6.44E-

UAI ( $\Delta$ CDF)	4.41E-09	1.49E-08	1.82E-08	08	1.96E-08	7.90E-08	7.34E-08	08
URI ( $\Delta$ CDF)	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-2.25E-07	-2.25E-07	-2.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.40E-07</b>	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>

## Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

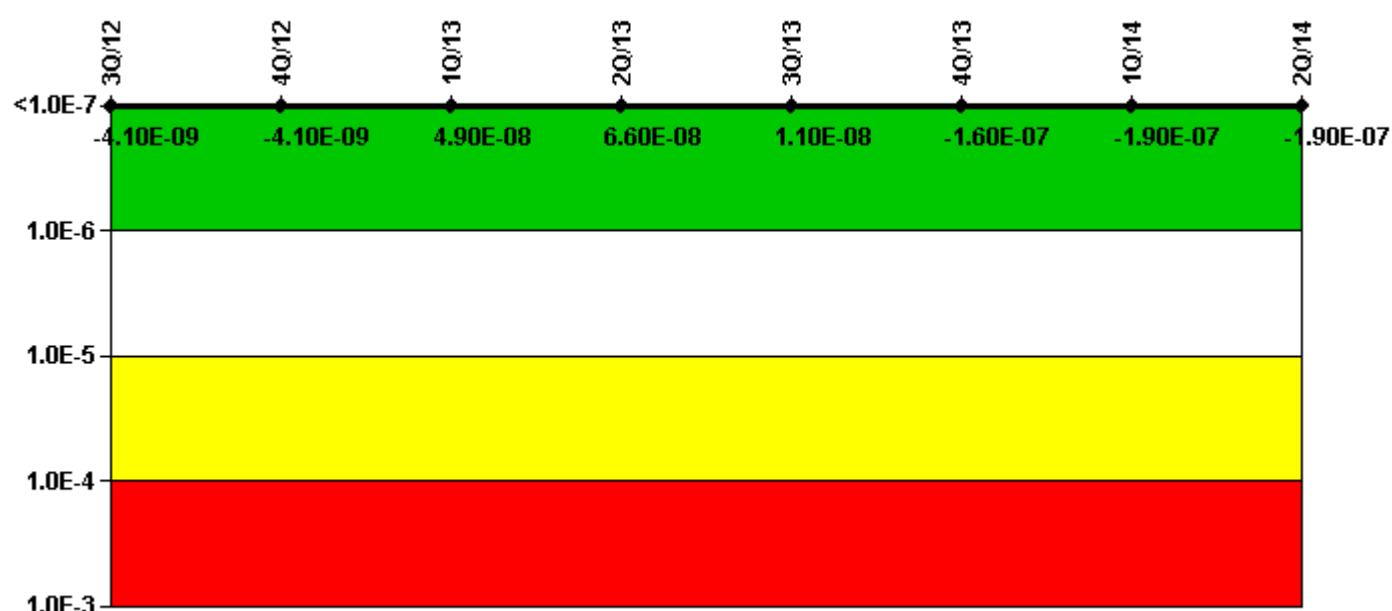
3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

**Mitigating Systems Performance Index, Cooling Water Systems**

Thresholds: White &gt; 1.00E-6 Yellow &gt; 1.00E-5 Red &gt; 1.00E-4

**Notes**

<b>Mitigating Systems Performance Index, Cooling Water Systems</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>
UAI ( $\Delta$ CDF)	-8.03E-08	-8.04E-08	-8.17E-08	-6.51E-08	-6.56E-08	5.48E-08	1.67E-08	1.86E-08
URI ( $\Delta$ CDF)	7.63E-08	7.63E-08	1.31E-07	1.31E-07	7.61E-08	-2.12E-07	-2.12E-07	-2.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-4.10E-09</b>	<b>-4.10E-09</b>	<b>4.90E-08</b>	<b>6.60E-08</b>	<b>1.10E-08</b>	<b>-1.60E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>

## Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

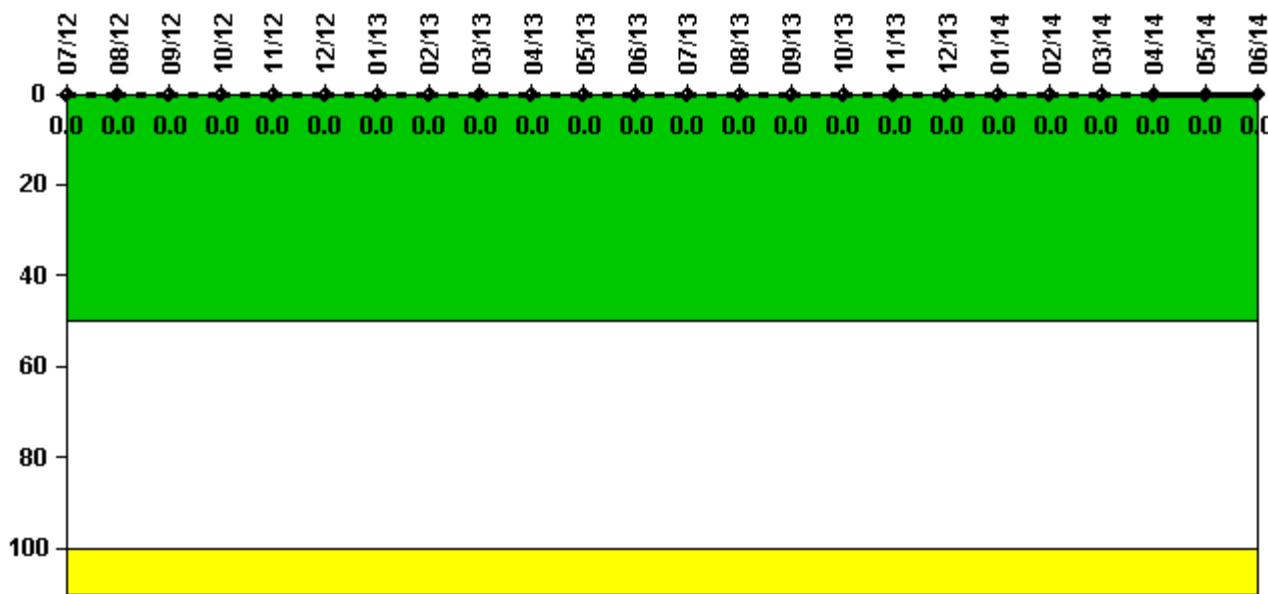
2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

3Q/12: Changed PRA Parameter(s).

### Reactor Coolant System Activity



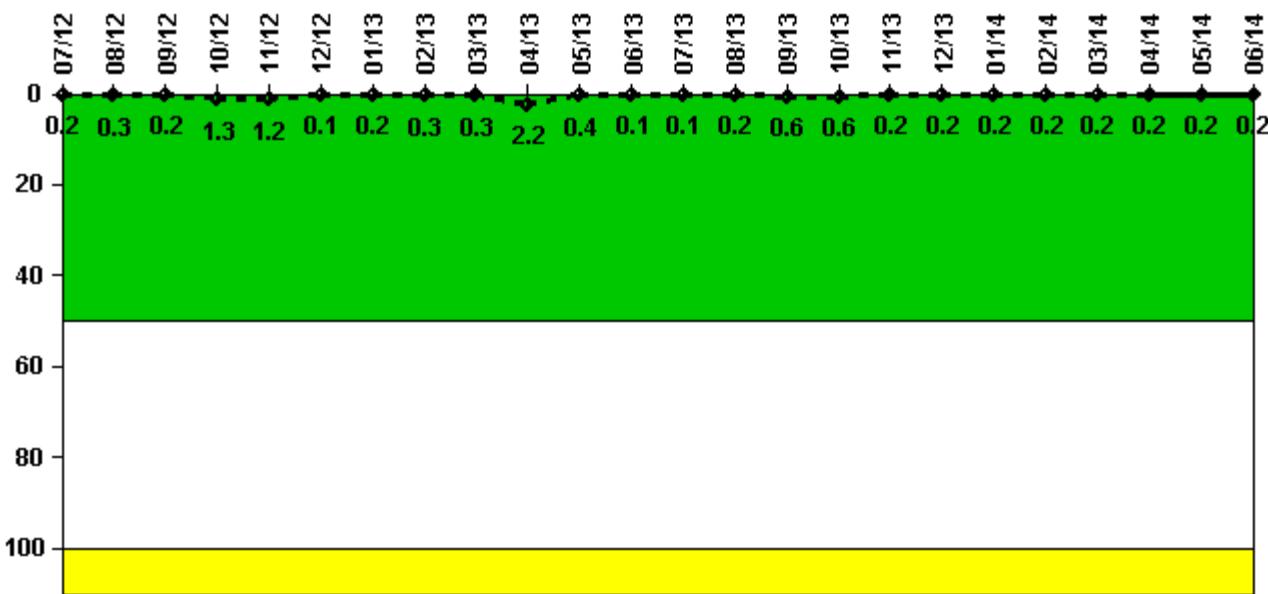
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000038	0.000046	0.000045	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048	0.000050	0.000028	0
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											
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	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



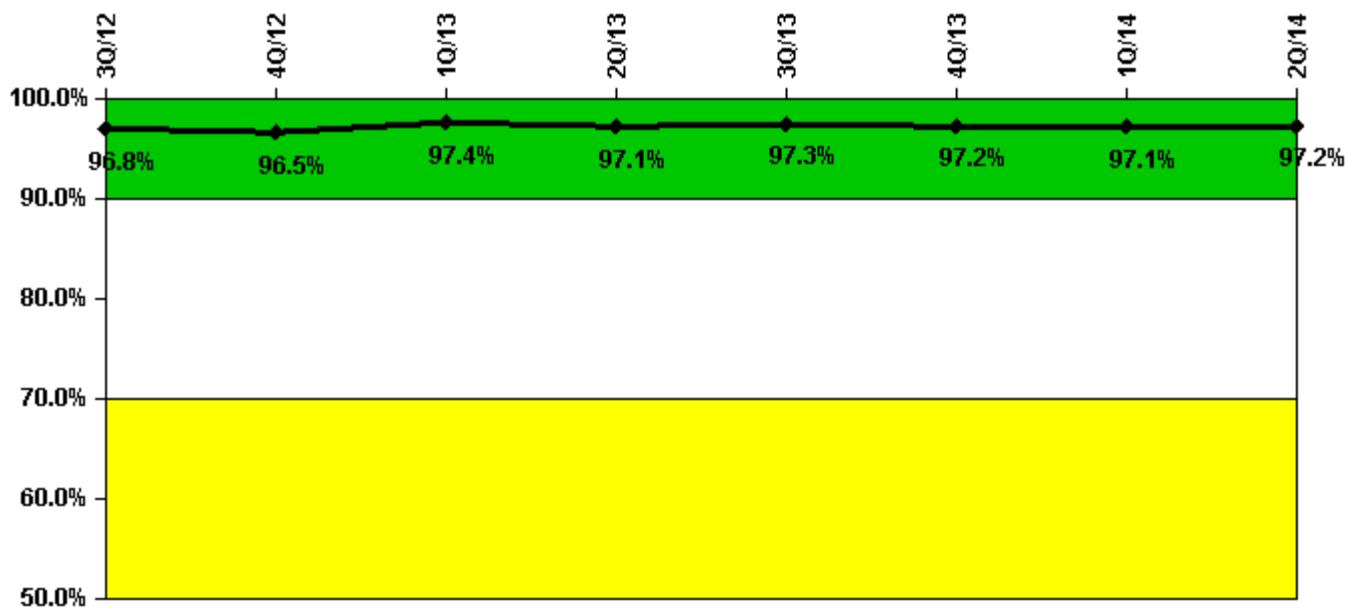
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.015	0.025	0.019	0.125	0.121	0.014	0.019	0.025	0.029	0.216	0.036	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.2	1.3	1.2	0.1	0.2	0.3	0.3	2.2	0.4	0.1
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	0.014	0.017	0.063	0.055	0.015	0.019	0.017	0.016	0.019	0.018	0.017	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

### **Drill/Exercise Performance**



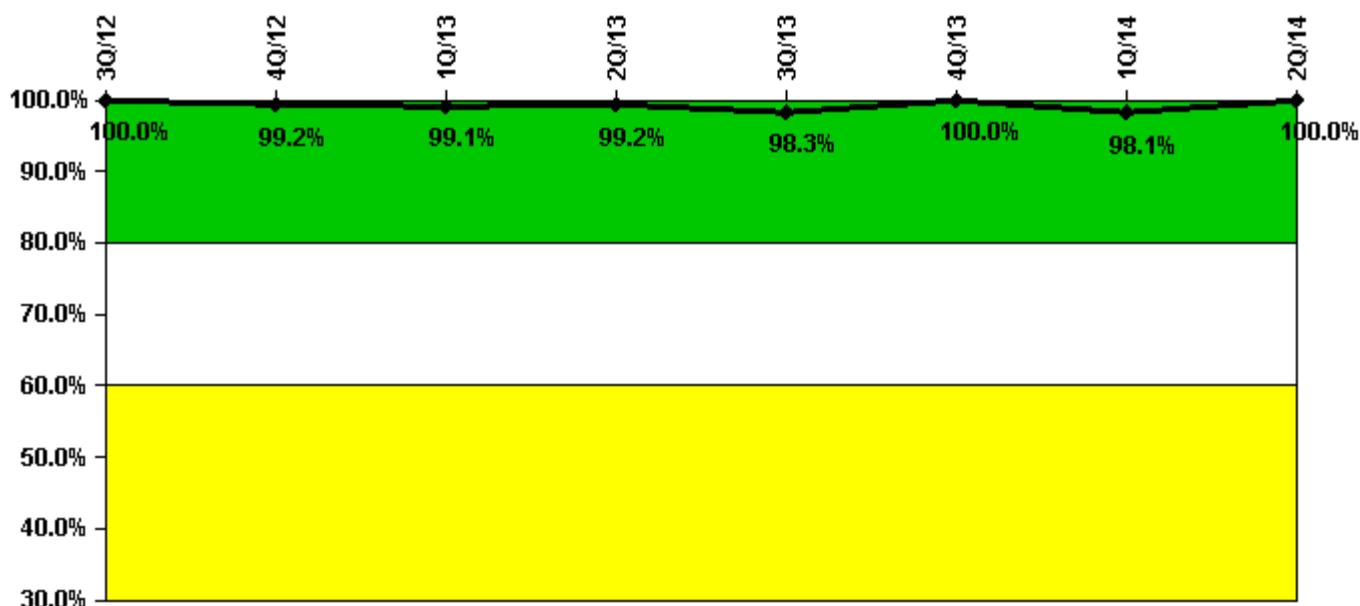
Thresholds: White < 90.0% Yellow < 70.0%

#### **Notes**

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	62.0	45.0	40.0	47.0	46.0	18.0	27.0	24.0
Total opportunities	64.0	47.0	40.0	50.0	46.0	18.0	28.0	25.0
<b>Indicator value</b>	<b>96.8%</b>	<b>96.5%</b>	<b>97.4%</b>	<b>97.1%</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>

Licensee Comments: none

### ERO Drill Participation



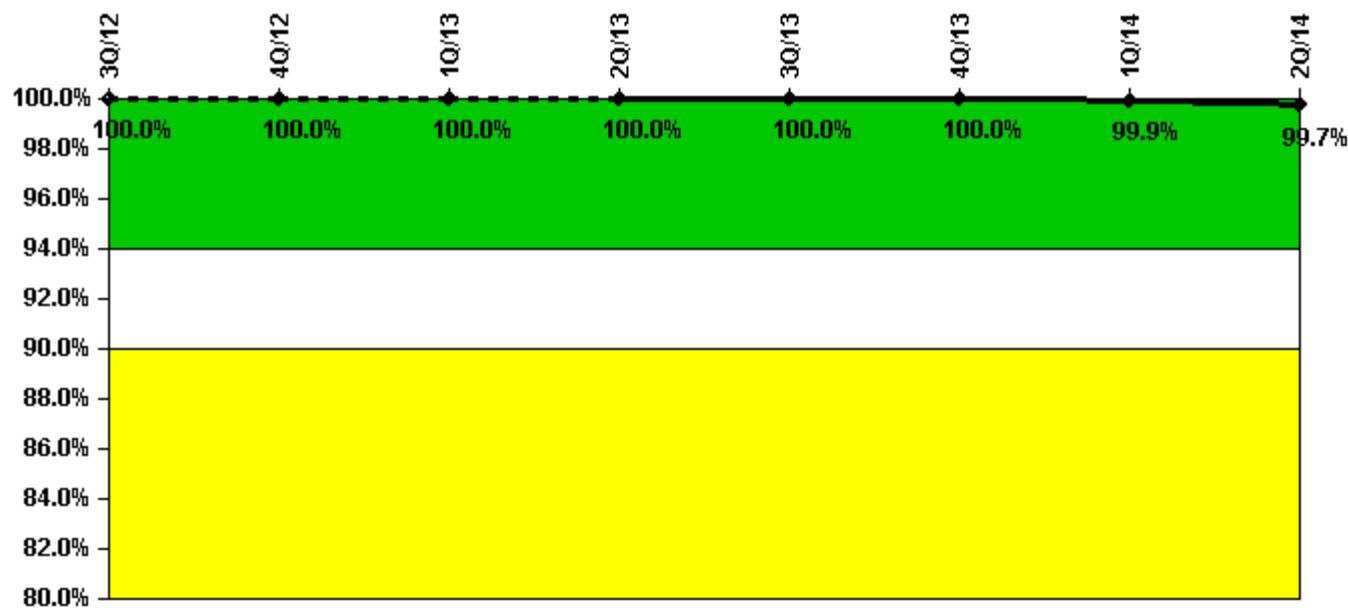
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	123.0	122.0	108.0	117.0	117.0	121.0	103.0	109.0
Total Key personnel	123.0	123.0	109.0	118.0	119.0	121.0	105.0	109.0
<b>Indicator value</b>	<b>100.0%</b>	<b>99.2%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>98.3%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System



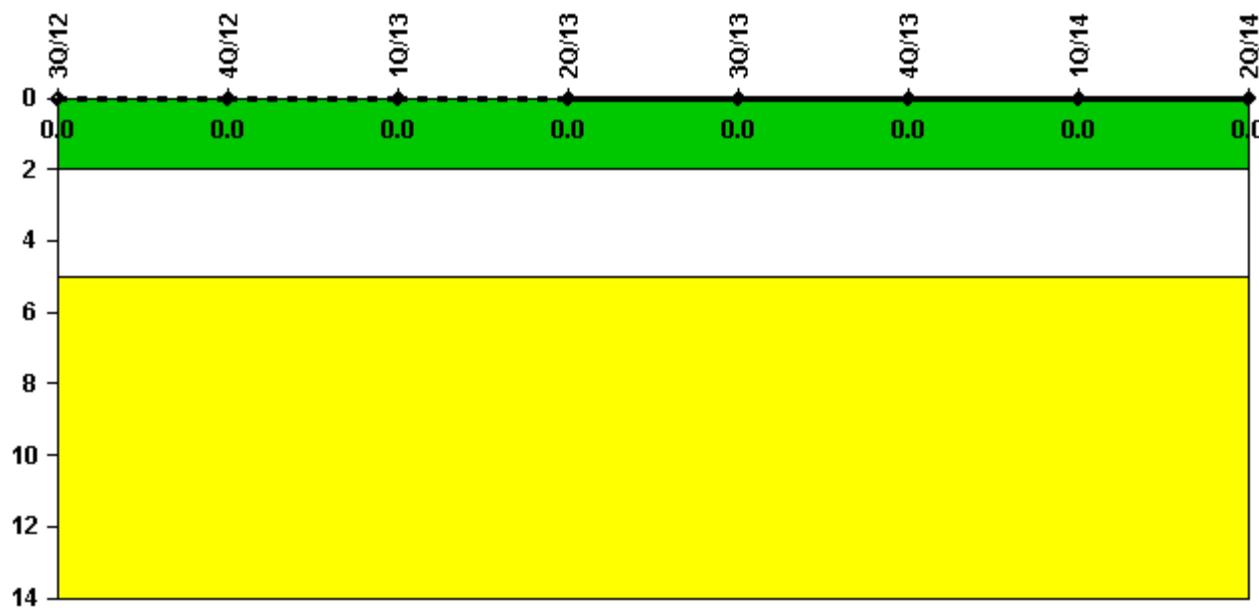
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	39	42	42	42	42	42	1156	1043
Total sirens-tests	39	42	42	42	42	42	1157	1049
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



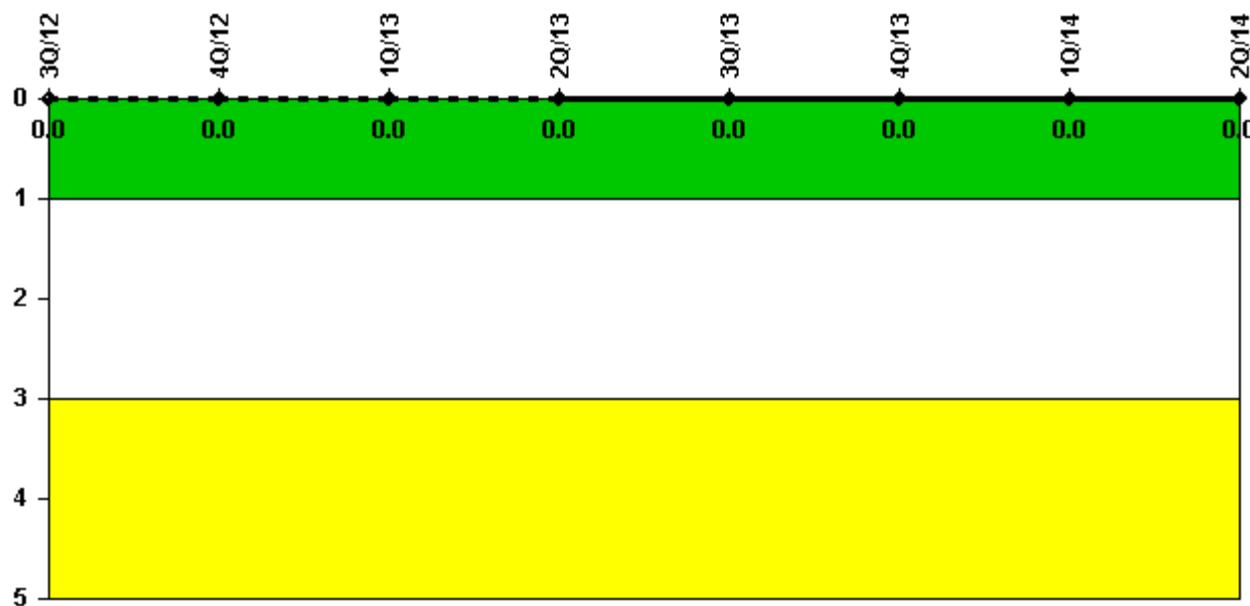
Thresholds: White > 2.0 Yellow > 5.0

### 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
<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.

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

*Last Modified: July 31, 2014*

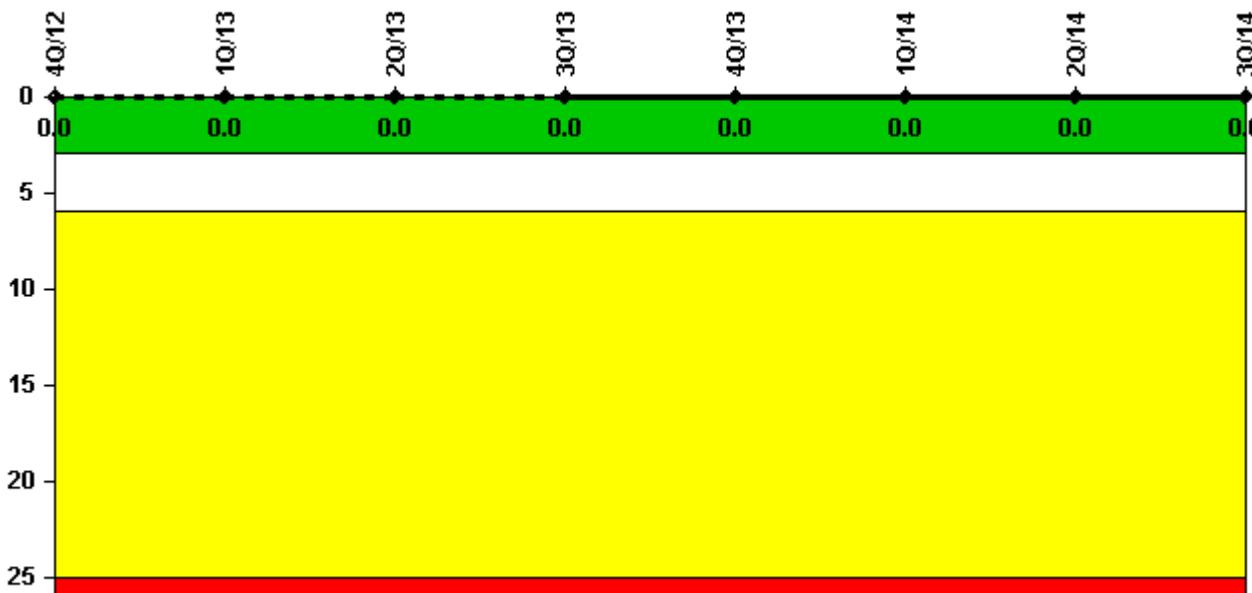
## Farley 2

### 3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Unit 2 Power Change is being submitted this quarter for the time period of January 2014. The change does not affect the color of this indicator.

#### **Unplanned Scrams per 7000 Critical Hrs**



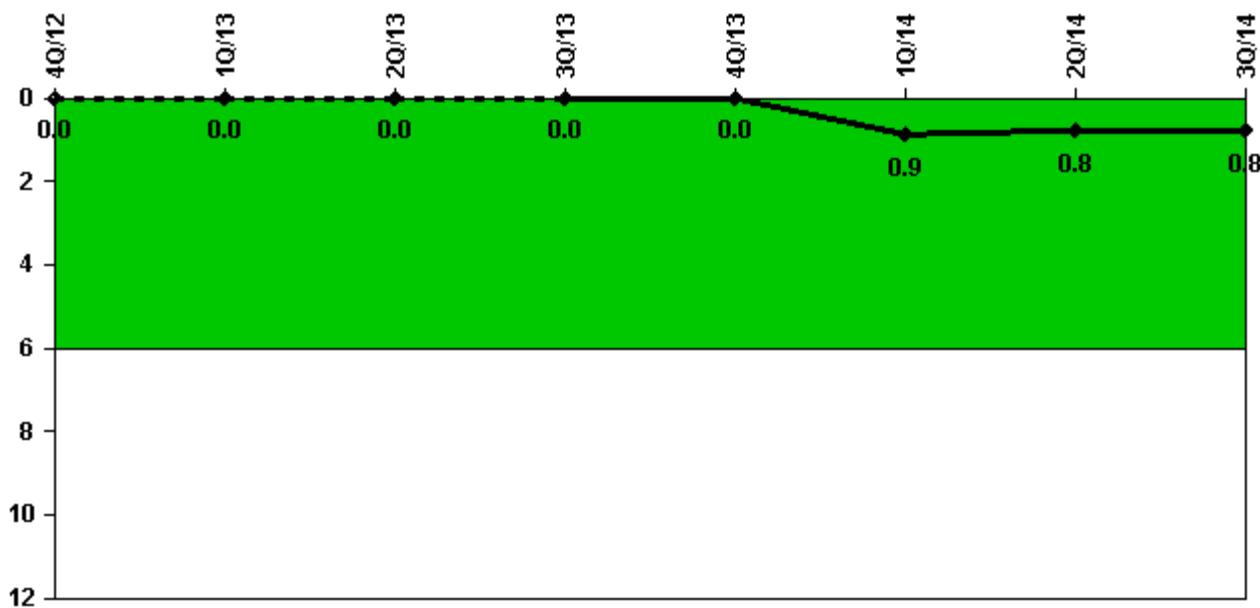
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



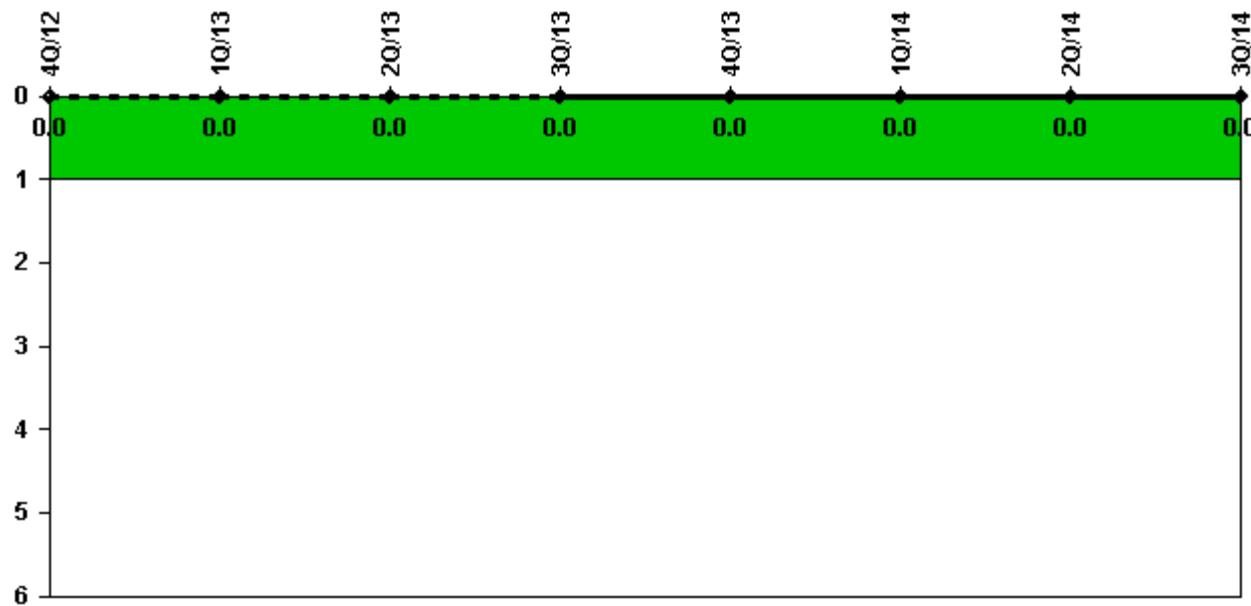
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

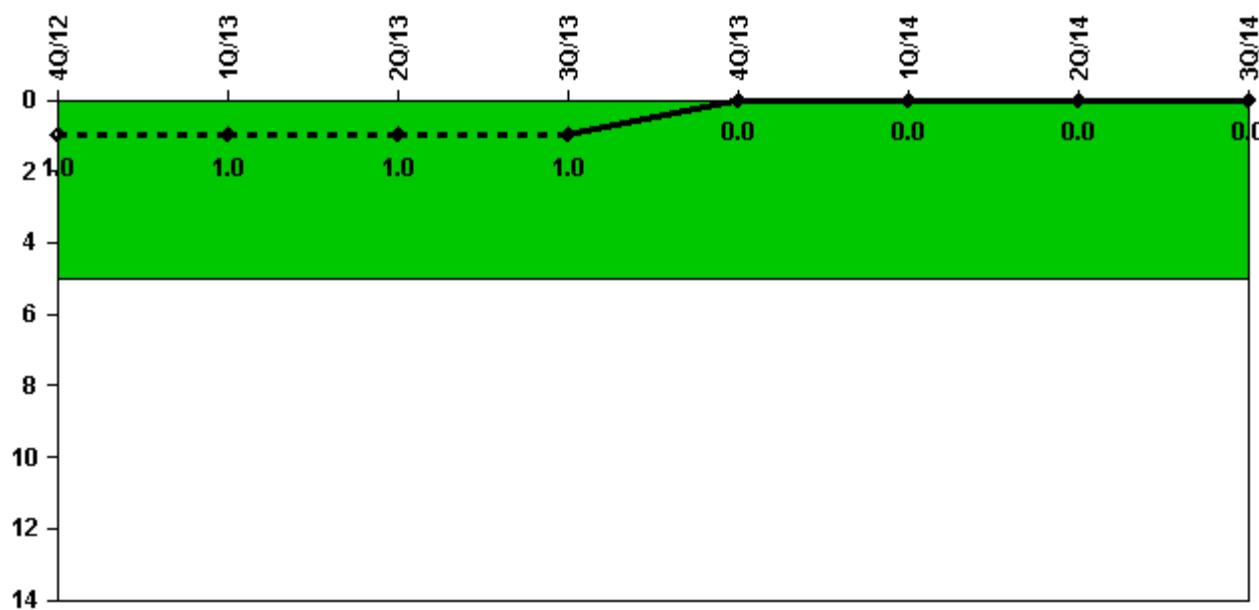
#### **Notes**

<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

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	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/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	-2.55E-08	-2.55E-08	-2.56E-08	-2.56E-08	-4.86E-08	-3.59E-08	-3.59E-08	-3.59E-08
URI ( $\Delta$ CDF)	-2.77E-07	-2.77E-07	-2.77E-07	-2.77E-07	-5.59E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

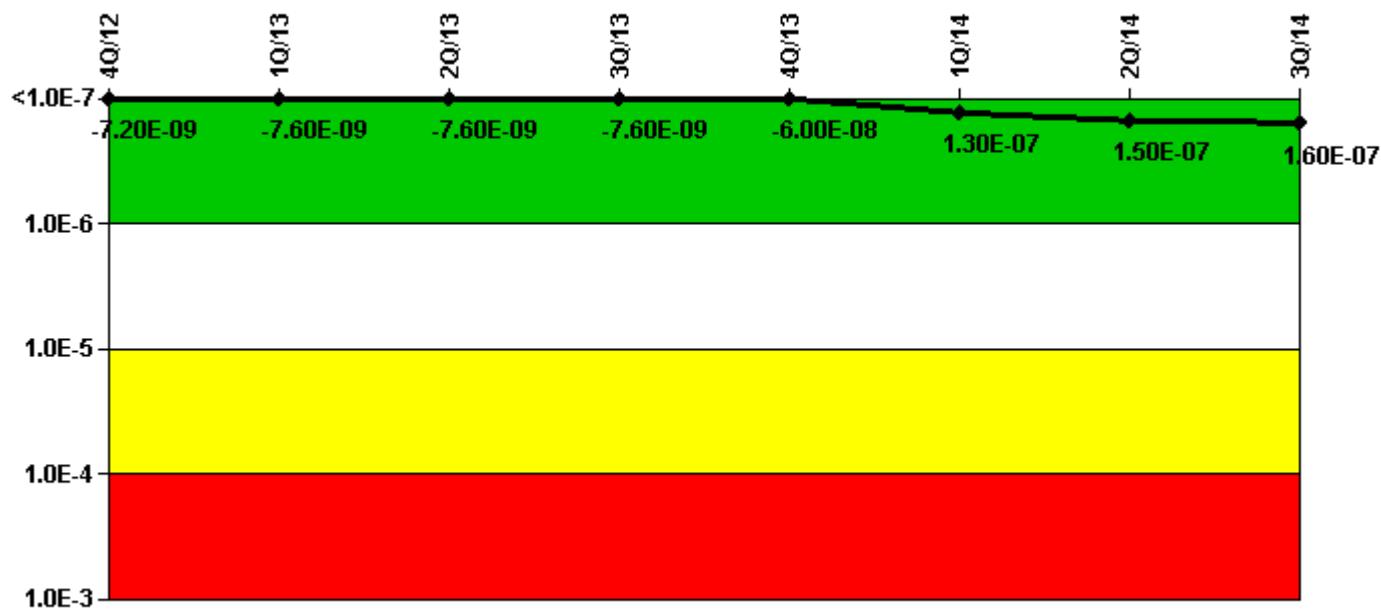
3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: 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	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	5.58E-11	-3.43E-10	-3.72E-10	-3.93E-10	-3.22E-08	1.56E-07	1.82E-07	1.85E-07
URI ( $\Delta$ CDF)	-7.23E-09	-7.23E-09	-7.23E-09	-7.23E-09	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.20E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

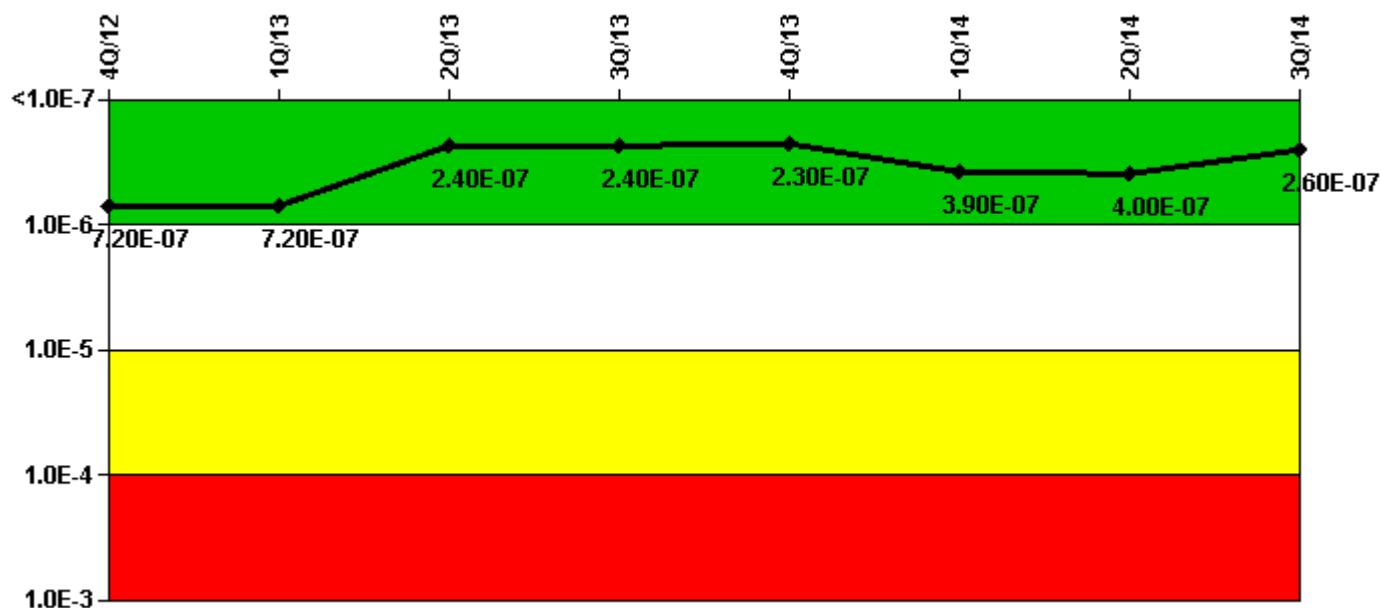
1Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

### 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 (ΔCDF)	-1.02E-08	-1.29E-08	-1.40E-08	-1.40E-08	-6.99E-09	1.51E-07	1.63E-07	2.51E-07
URI (ΔCDF)	7.29E-07	7.29E-07	2.57E-07	2.57E-07	2.36E-07	2.36E-07	2.36E-07	6.29E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.20E-07	7.20E-07	2.40E-07	2.40E-07	2.30E-07	3.90E-07	4.00E-07	2.60E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

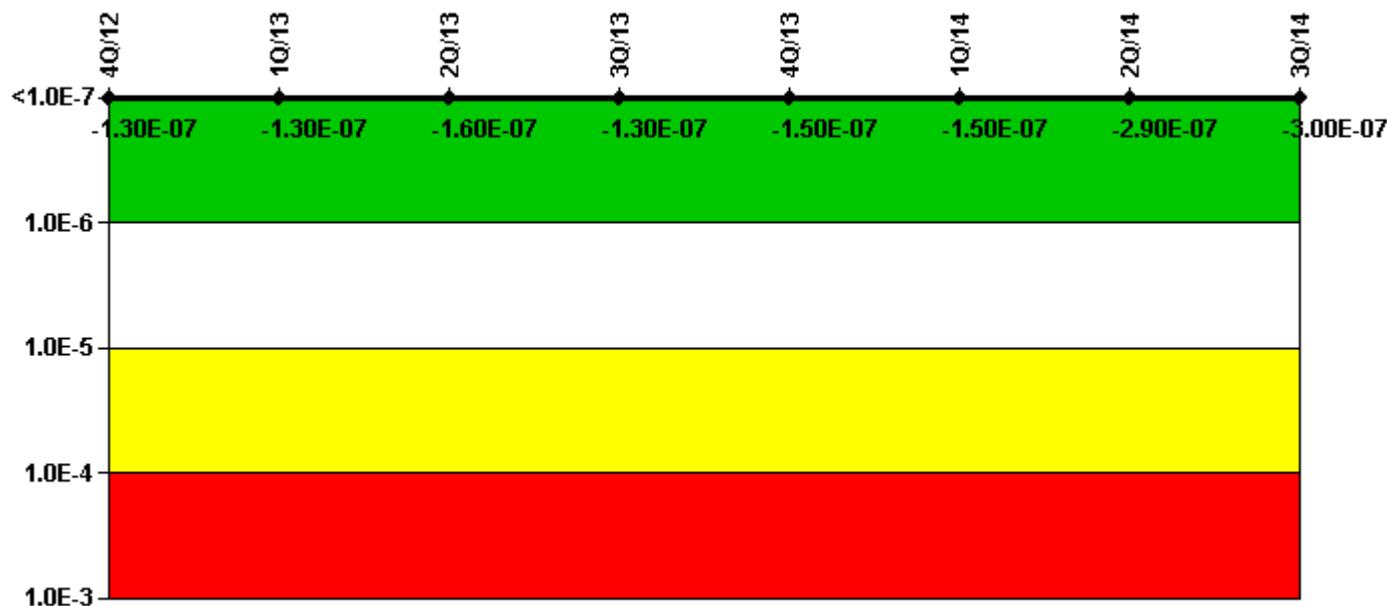
3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

### 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)	1.49E-08	1.82E-08	-1.45E-08	1.96E-08	7.90E-08	7.34E-08	-6.44E-08	-7.74E-08
URI ( $\Delta$ CDF)	-1.48E-07	-1.48E-07	-1.48E-07	-1.48E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07
PLE	NO							
Indicator value	<b>-1.30E-07</b>	<b>-1.30E-07</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>

## Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

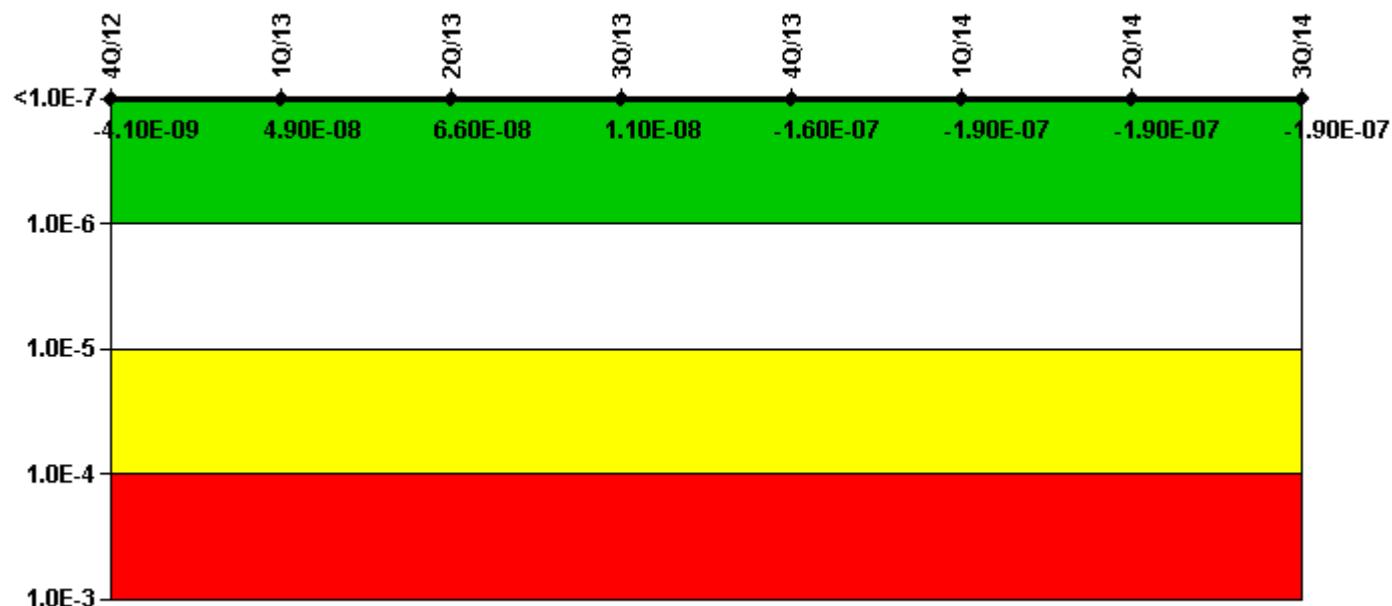
3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: 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	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI ( $\Delta$ CDF)	-8.04E-08	-8.17E-08	-6.51E-08	-6.56E-08	5.48E-08	1.67E-08	1.86E-08	1.81E-08
URI ( $\Delta$ CDF)	7.63E-08	1.31E-07	1.31E-07	7.61E-08	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07
PLE	NO							

Indicator value	-4.10E-09	4.90E-08	6.60E-08	1.10E-08	-1.60E-07	-1.90E-07	-1.90E-07	-1.90E-07
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## Licensee Comments:

1Q/14: Changed PRA Parameter(s).

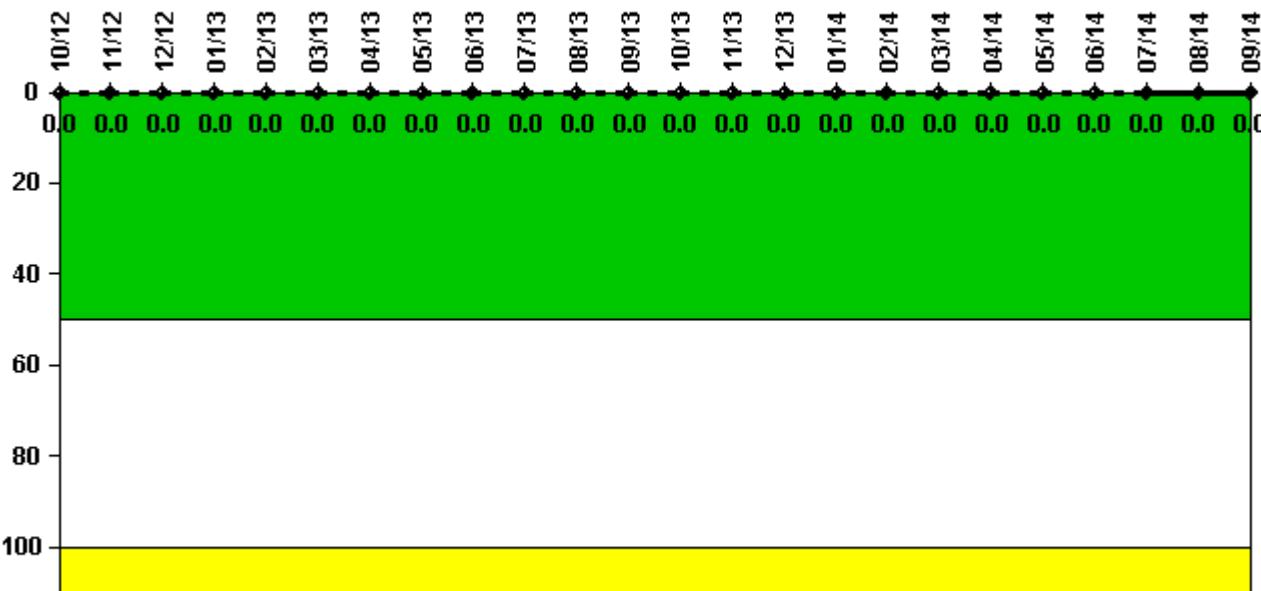
4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

**Reactor Coolant System Activity**

Thresholds: White &gt; 50.0 Yellow &gt; 100.0

**Notes**

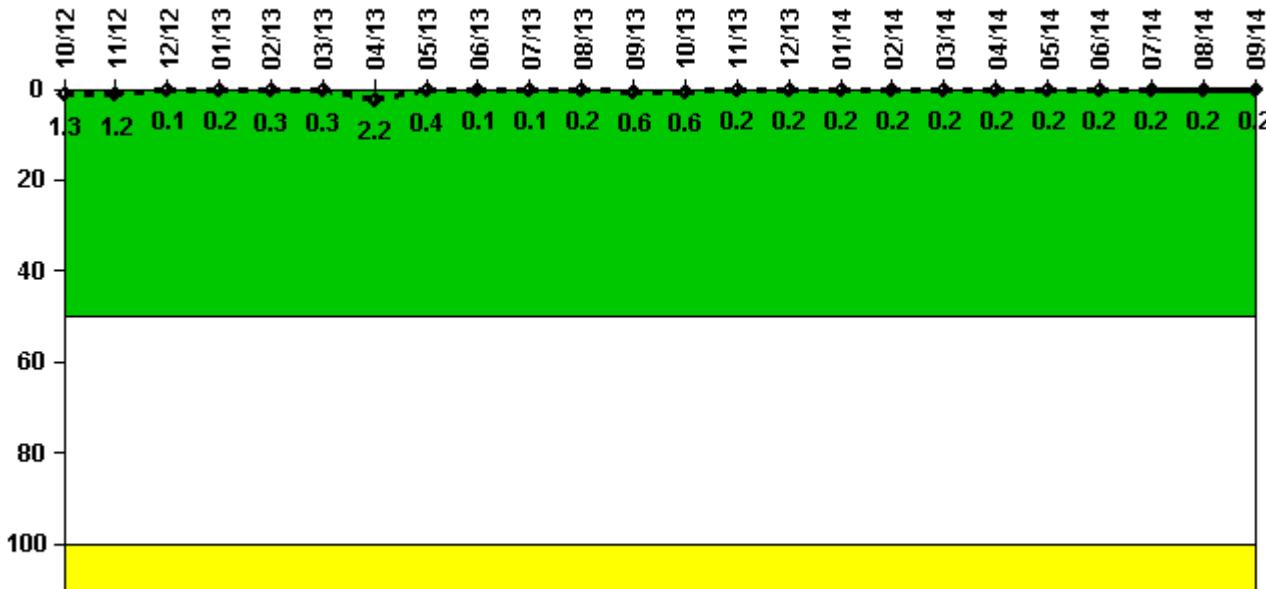
Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000041	0.000046	0.000045	0.000046	0.000162	0.000048	0.000050	0.000028	0	0.000031	0.000034	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Indicator value	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Reactor Coolant System Activity</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 activity	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047	
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<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>	<b>0</b>

Licensee Comments: none

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### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

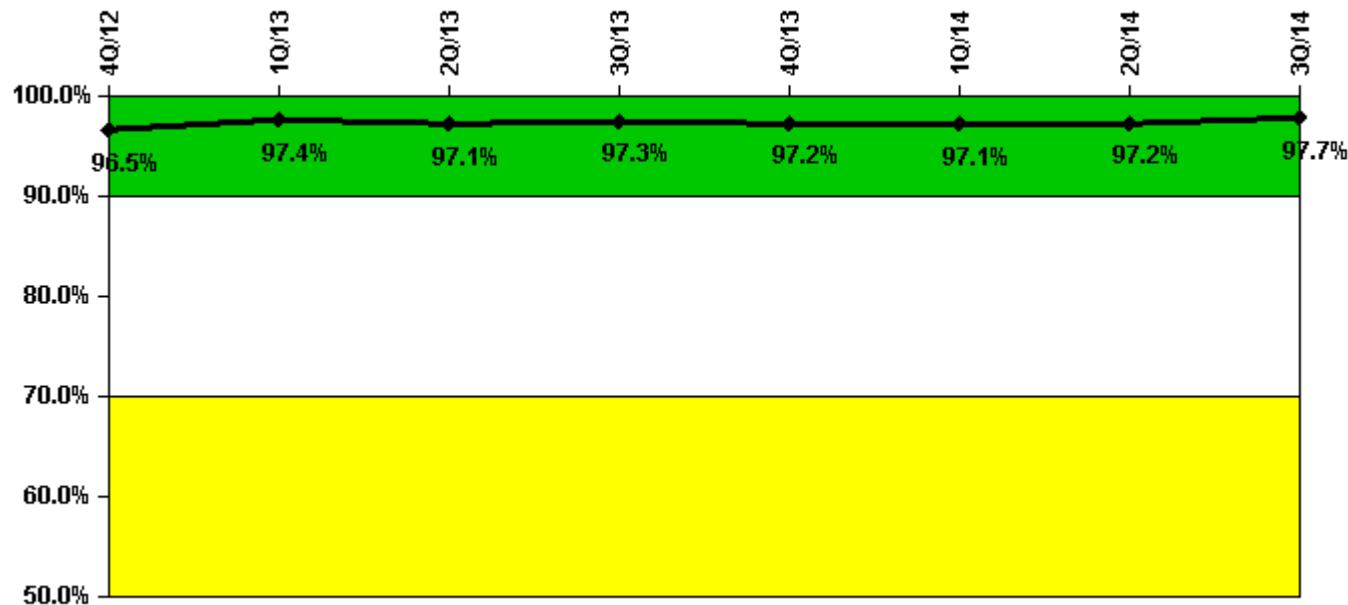
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.125	0.121	0.014	0.019	0.025	0.029	0.216	0.036	0.014	0.014	0.017	0.063
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	1.3	1.2	0.1	0.2	0.3	0.3	2.2	0.4	0.1	0.1	0.2	0.6
<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	0.055	0.015	0.019	0.017	0.016	0.019	0.018	0.017	0.015	0.019	0.024	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.6</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>

Licensee Comments: none

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### Drill/Exercise Performance



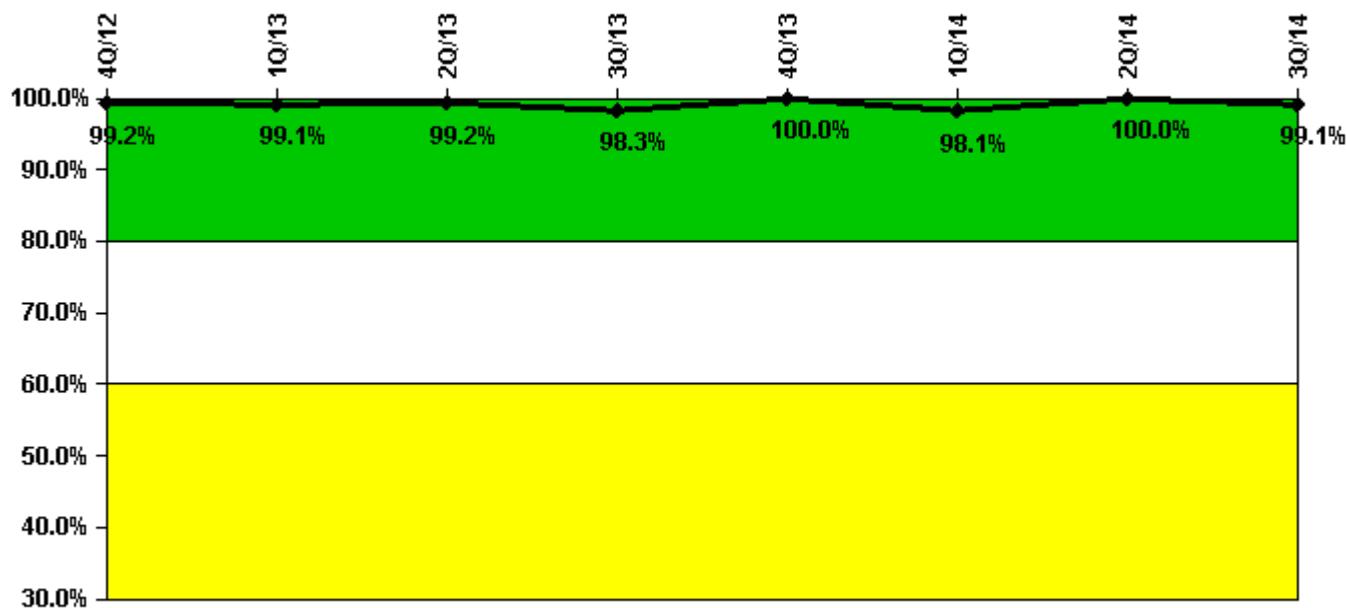
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	45.0	40.0	47.0	46.0	18.0	27.0	24.0	52.0
Total opportunities	47.0	40.0	50.0	46.0	18.0	28.0	25.0	52.0
<b>Indicator value</b>	<b>96.5%</b>	<b>97.4%</b>	<b>97.1%</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.7%</b>

Licensee Comments: none

### **ERO Drill Participation**



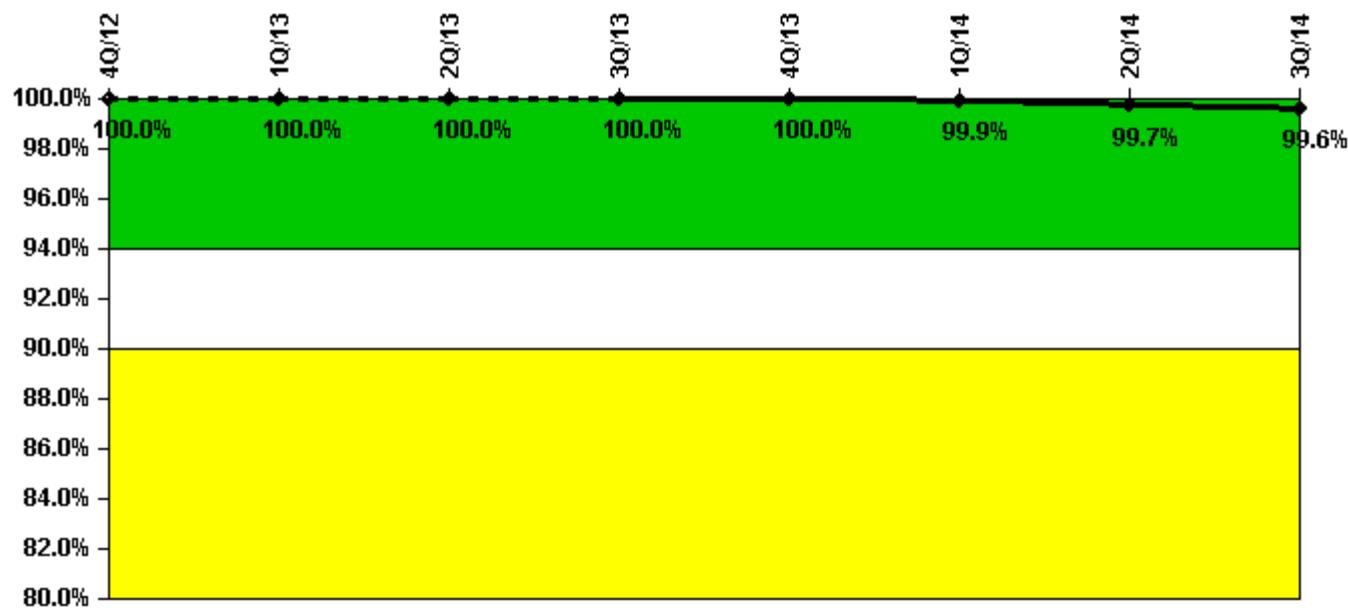
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	122.0	108.0	117.0	117.0	121.0	103.0	109.0	110.0
Total Key personnel	123.0	109.0	118.0	119.0	121.0	105.0	109.0	111.0
<b>Indicator value</b>	<b>99.2%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>98.3%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>99.1%</b>

Licensee Comments: none

## Alert & Notification System



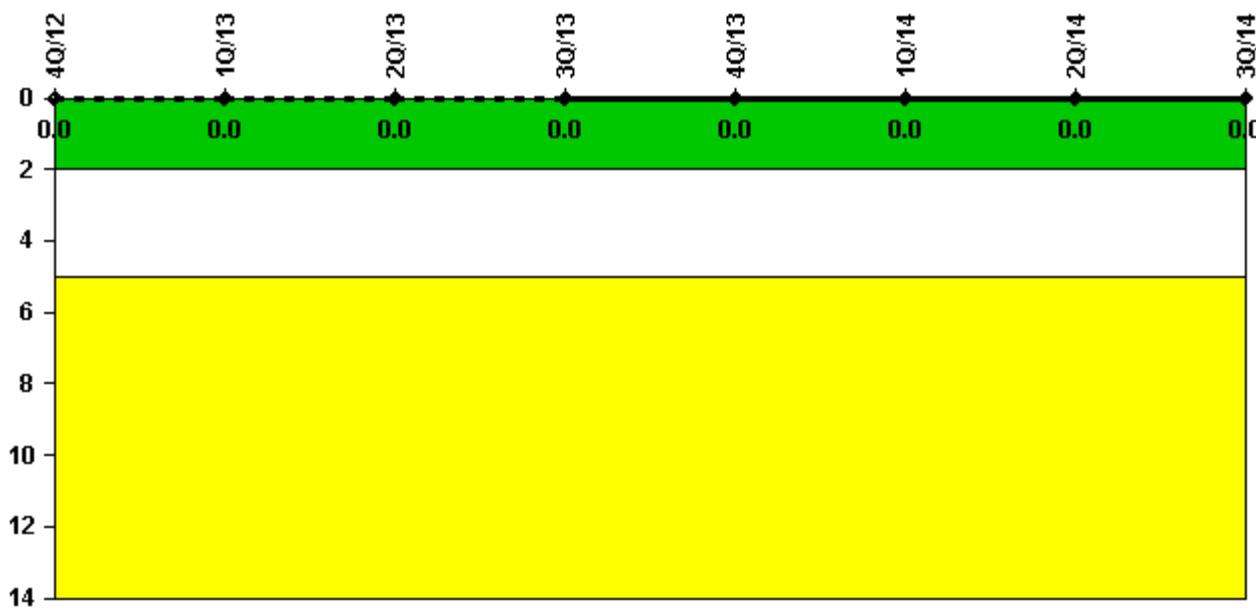
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	42	42	42	42	42	1156	1043	1151
Total sirens-tests	42	42	42	42	42	1157	1049	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



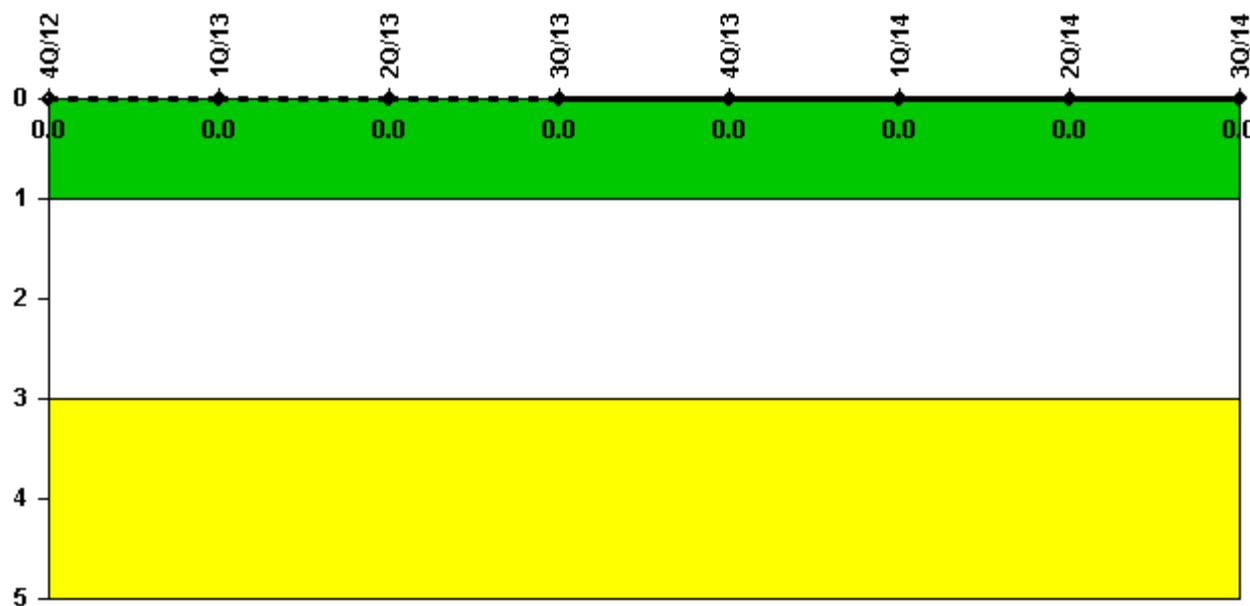
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/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*

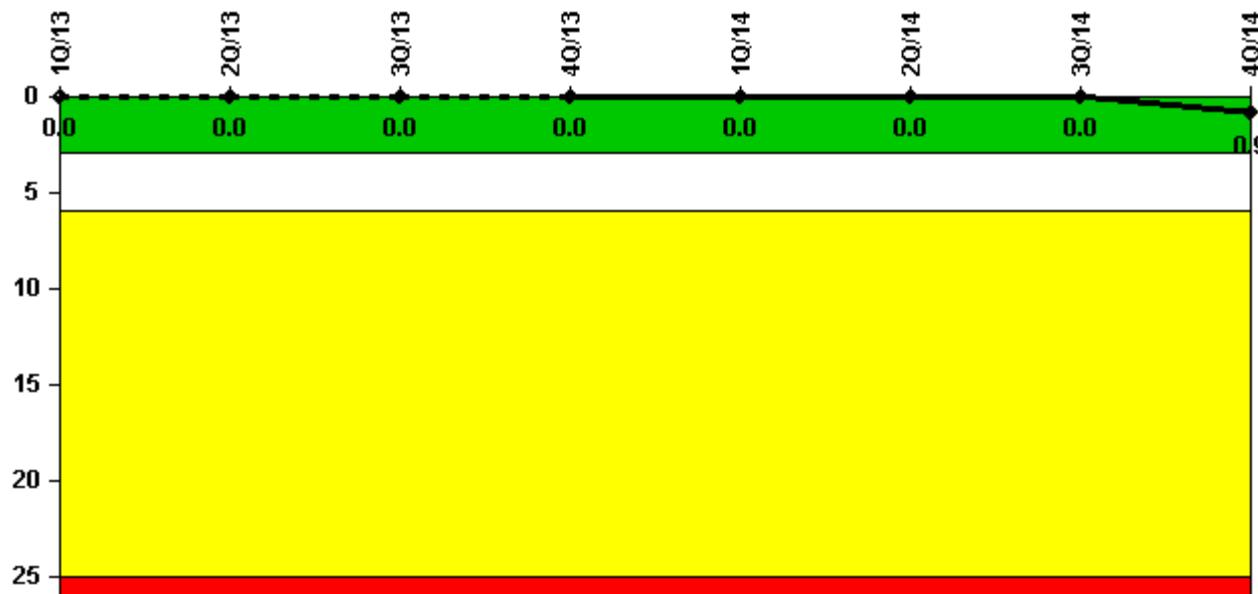
## Farley 2

### 4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The April and November TDAFWP failures were added. No change in color

#### Unplanned Scrams per 7000 Critical Hrs



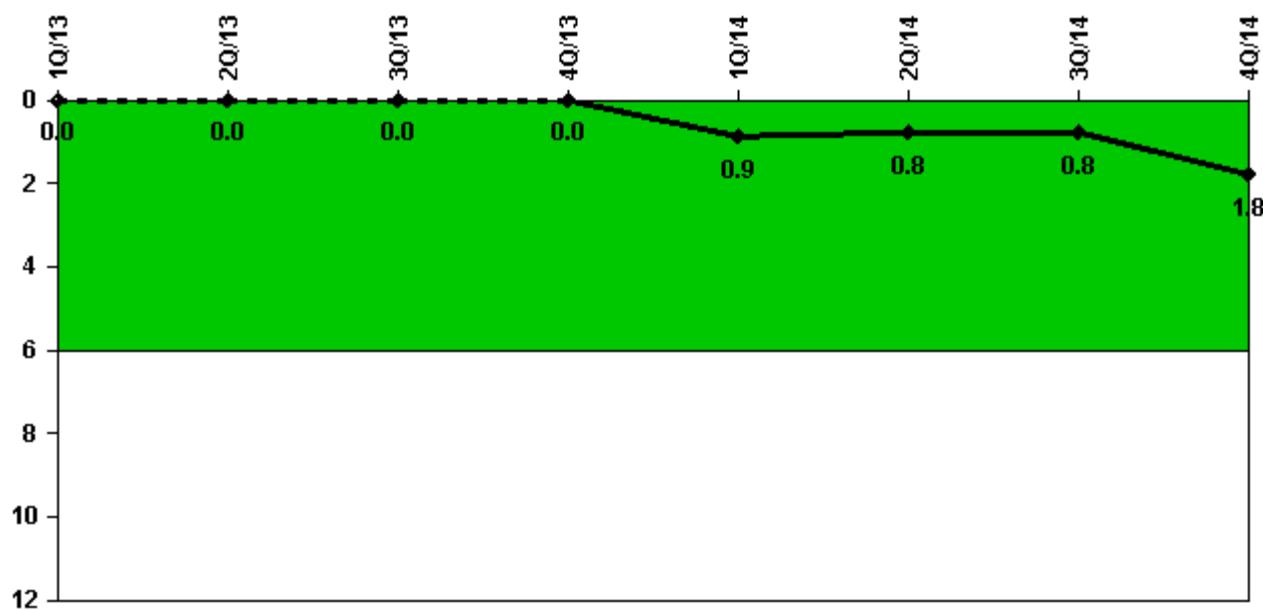
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0	0	0	0	0	0	0	1.0
Critical hours	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0
Indicator value	<b>0</b>	<b>0.9</b>						

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



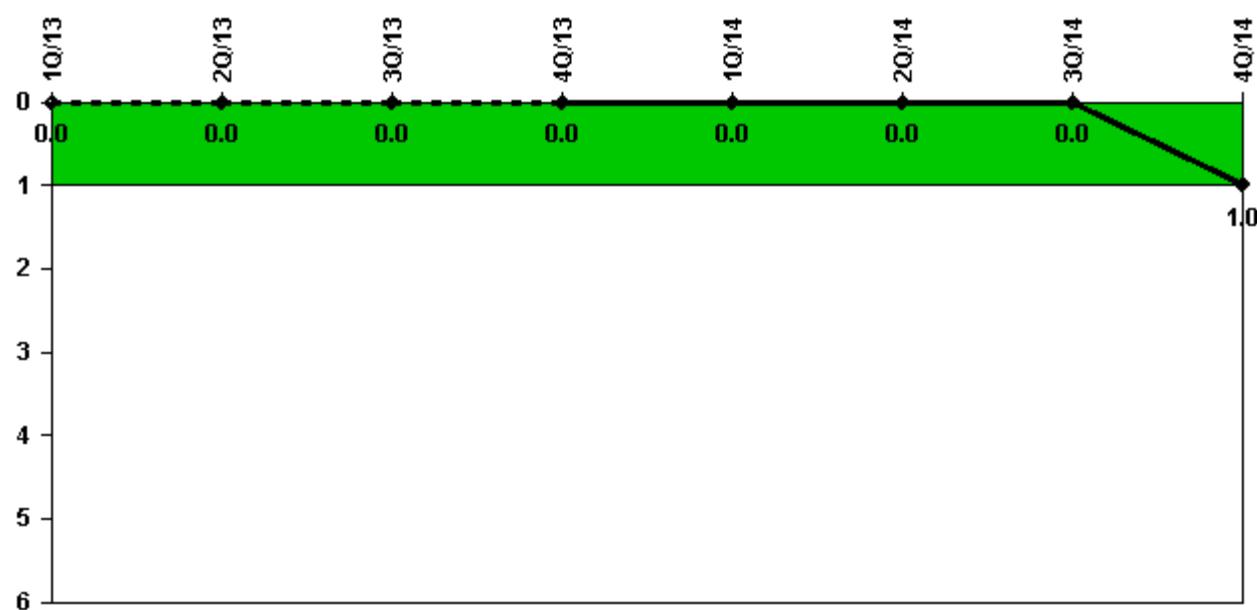
Thresholds: White > 6.0

#### 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	0	0	0	0	1.0	0	0	1.0
Critical hours	2159.0	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



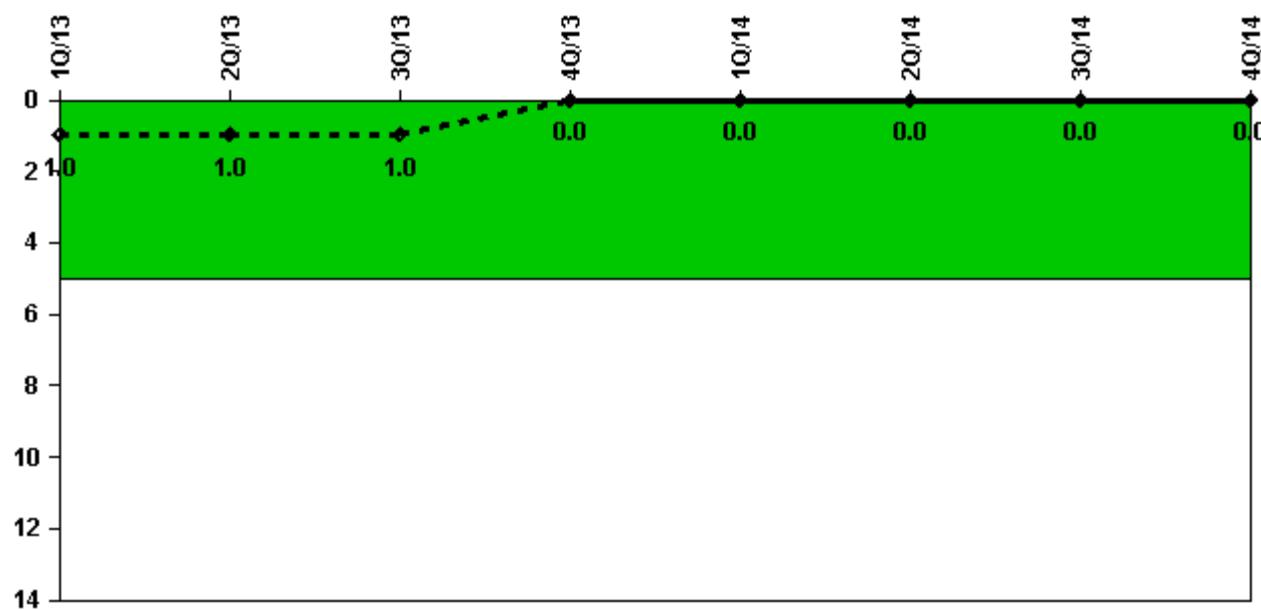
Thresholds: White > 1.0

#### **Notes**

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	1.0
<b>Indicator value</b>	<b>0.0</b>	<b>1.0</b>						

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

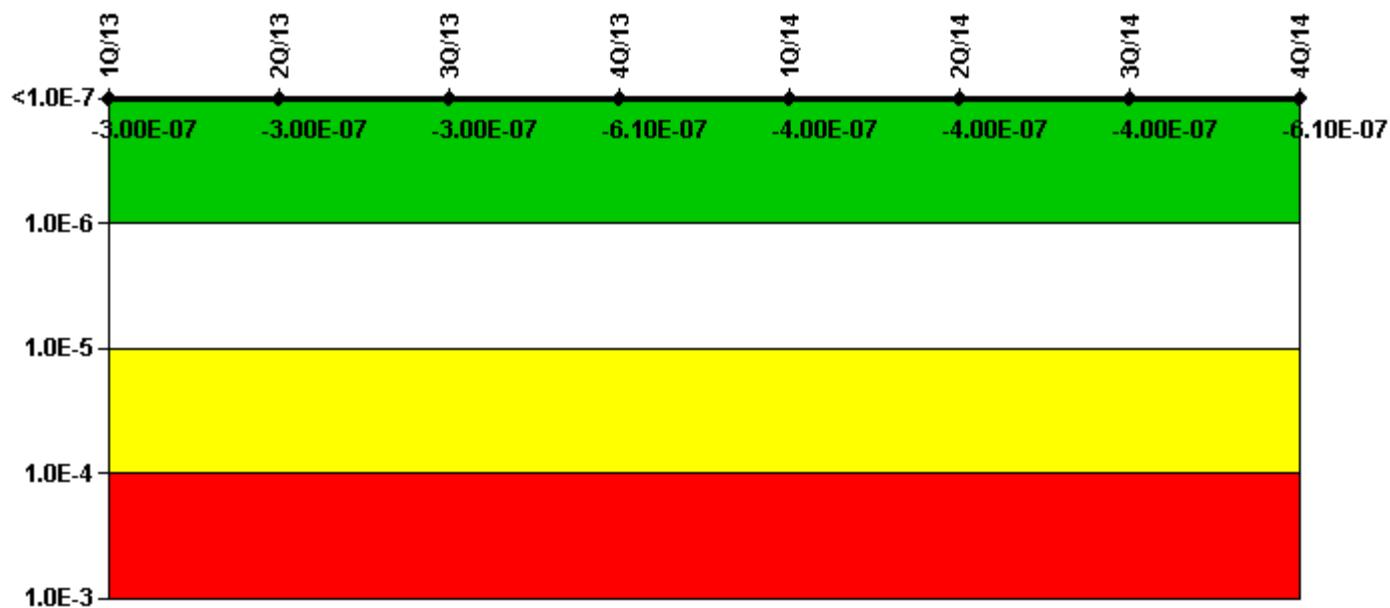
### Notes

Safety System Functional Failures (PWR)	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	0	0	0
Indicator value	1	1	1	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/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	-2.55E-08	-2.56E-08	-2.56E-08	-4.86E-08	-3.59E-08	-3.59E-08	-3.59E-08	-5.36E-08
URI ( $\Delta$ CDF)	-2.77E-07	-2.77E-07	-2.77E-07	-5.59E-07	-3.60E-07	-3.60E-07	-3.60E-07	-5.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>

#### Licensee Comments:

1Q/14: Changed PRA Parameter(s).

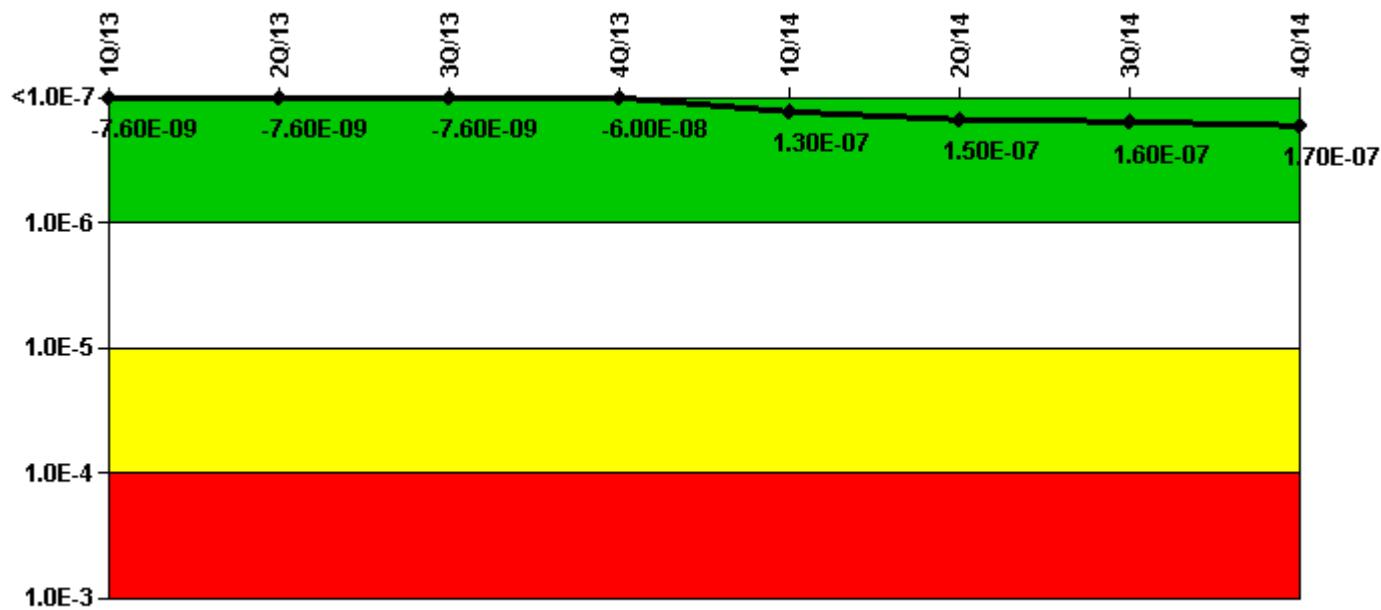
4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	-3.43E-10	-3.72E-10	-3.93E-10	-3.22E-08	1.56E-07	1.82E-07	1.85E-07	1.95E-07
URI ( $\Delta$ CDF)	-7.23E-09	-7.23E-09	-7.23E-09	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

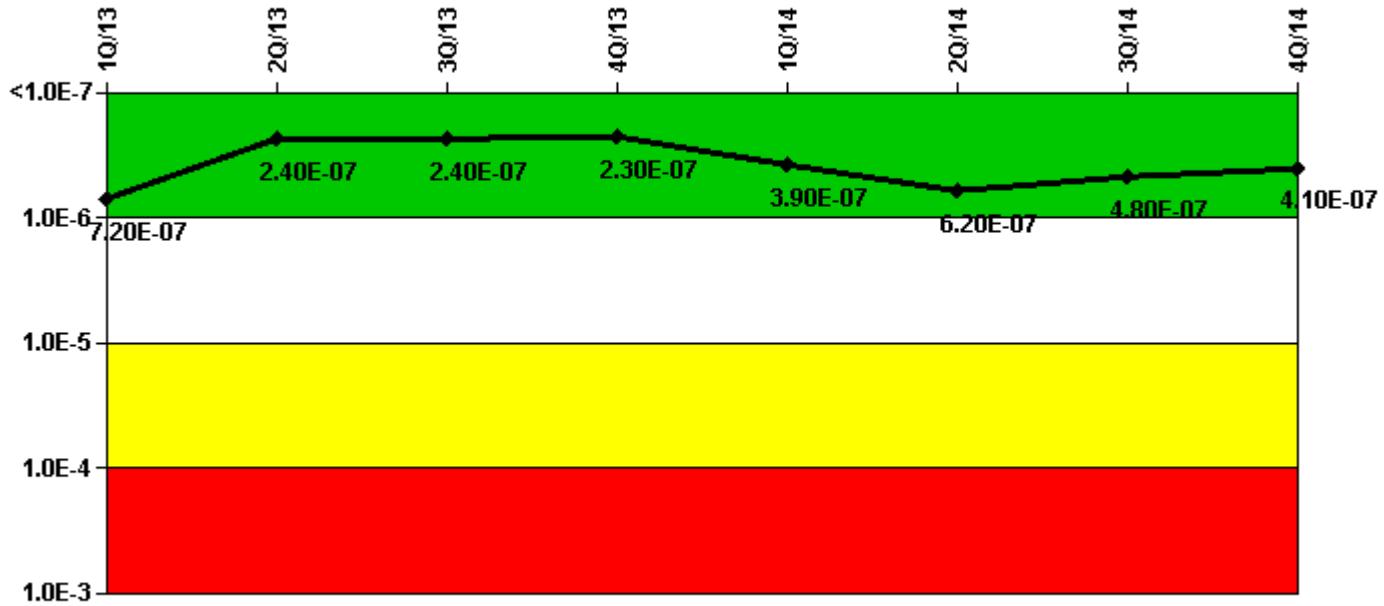
2Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

### 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)	-1.29E-08	-1.40E-08	-1.40E-08	-6.99E-09	1.51E-07	1.63E-07	2.51E-07	1.87E-07
URI ( $\Delta$ CDF)	7.29E-07	2.57E-07	2.57E-07	2.36E-07	2.36E-07	4.58E-07	2.30E-07	2.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.20E-07	2.40E-07	2.40E-07	2.30E-07	3.90E-07	6.20E-07	4.80E-07	4.10E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

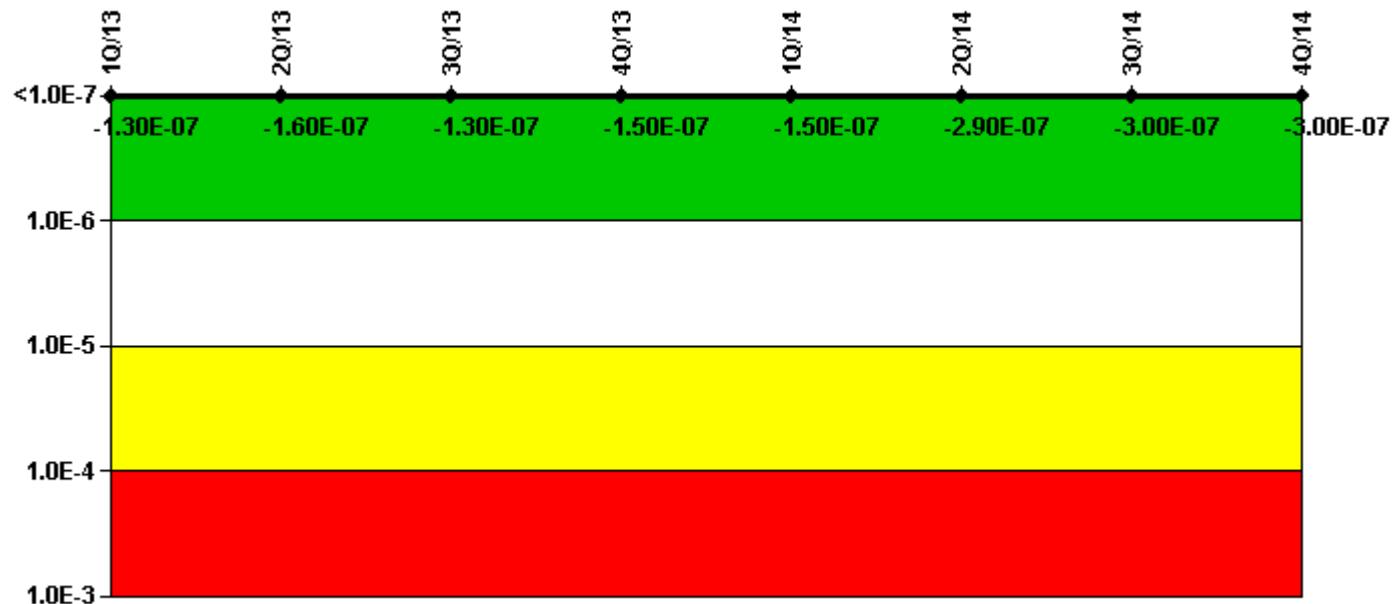
4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

### 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)	1.82E-08	-1.45E-08	1.96E-08	7.90E-08	7.34E-08	-6.44E-08	-7.74E-08	-7.74E-08
URI ( $\Delta$ CDF)		-1.48E-07	-1.48E-07	-1.48E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value		<b>-1.30E-07</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

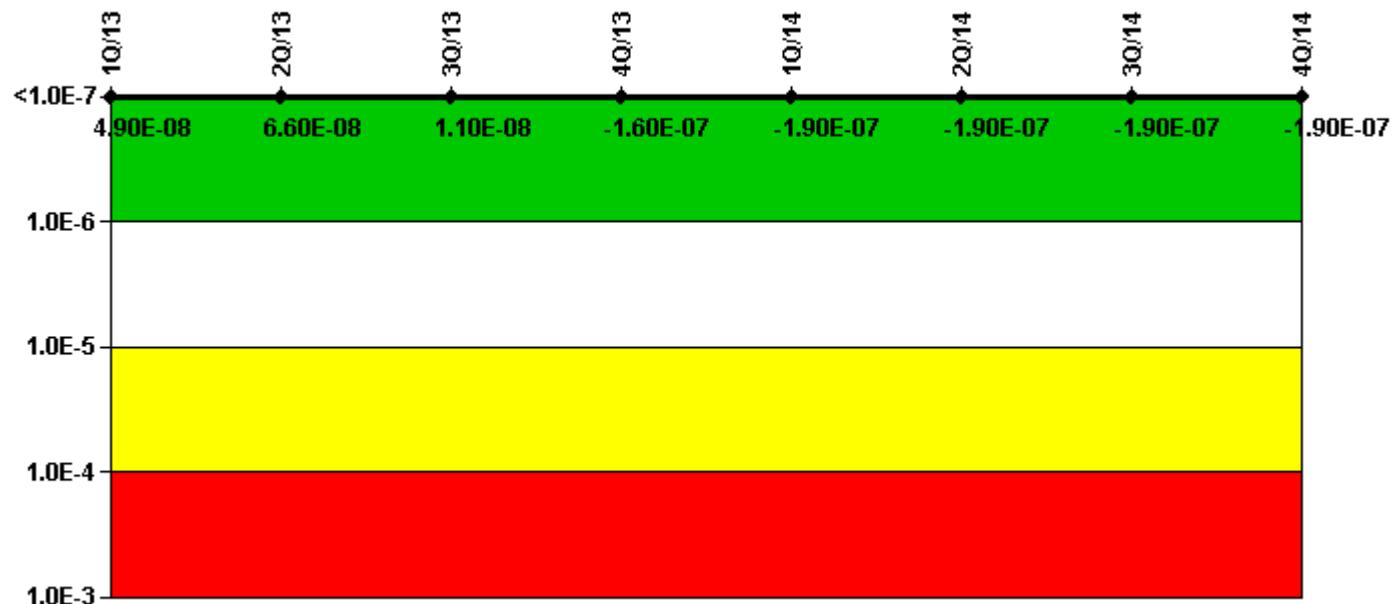
4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI ( $\Delta$ CDF)	-8.17E-08	-6.51E-08	-6.56E-08	5.48E-08	1.67E-08	1.86E-08	1.81E-08	1.84E-08
URI ( $\Delta$ CDF)	1.31E-07	1.31E-07	7.61E-08	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.90E-08</b>	<b>6.60E-08</b>	<b>1.10E-08</b>	<b>-1.60E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

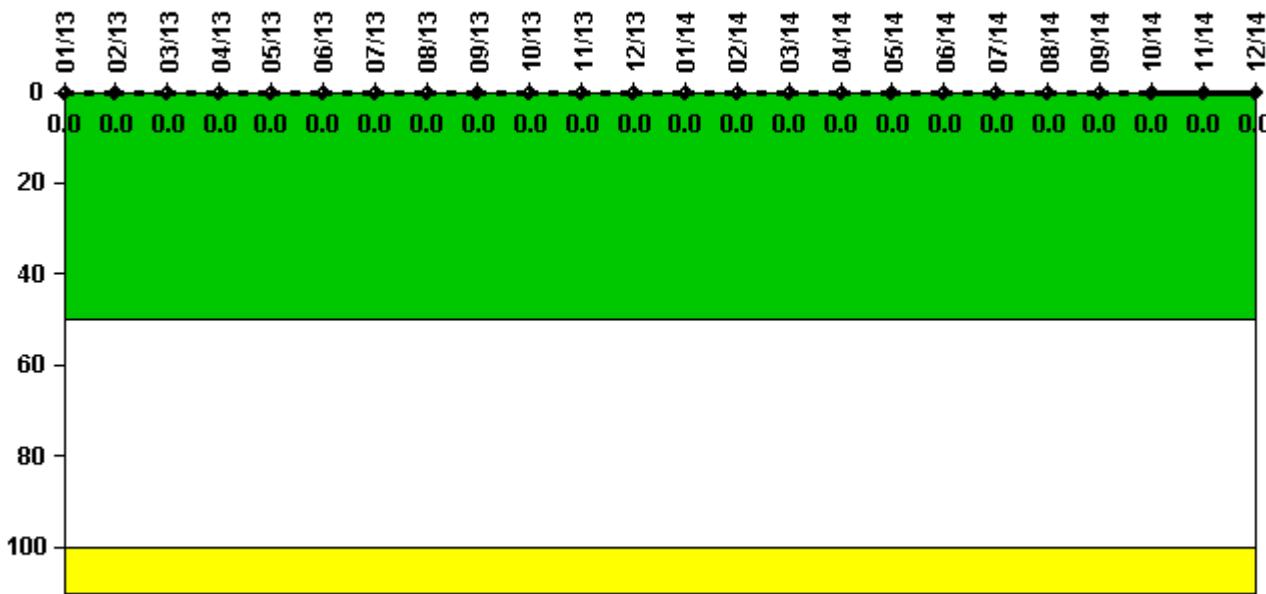
4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/13: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

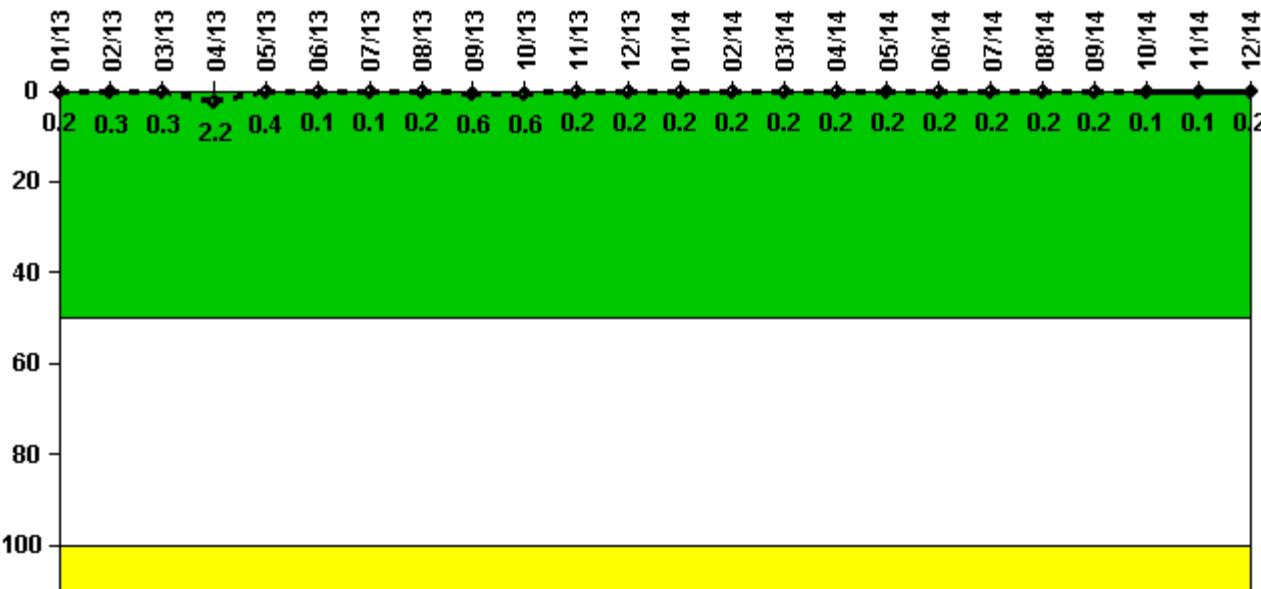
#### Notes

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	0.000046	0.000162	0.000048	0.000050	0.000028	0	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	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	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Indicator value	0	0	0	0	0	0	0	0	0	0	0	0	0
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Licensee Comments: none

### Reactor Coolant System Leakage



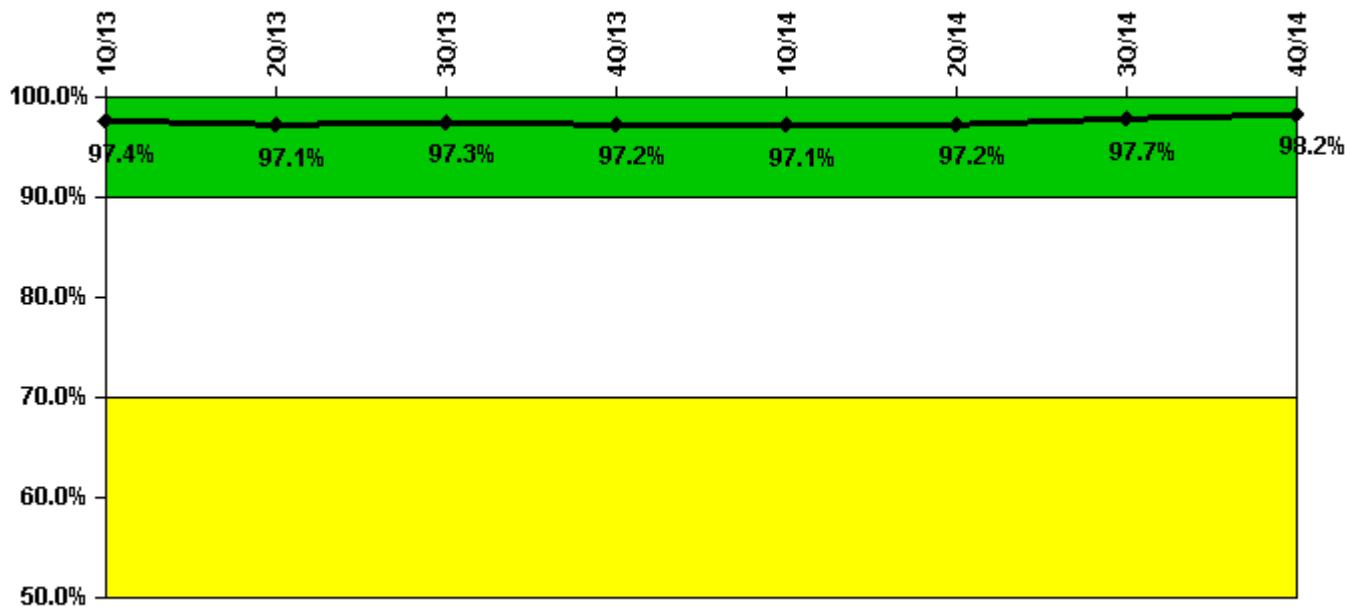
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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	0.019	0.025	0.029	0.216	0.036	0.014	0.014	0.017	0.063	0.055	0.015	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.3	2.2	0.4	0.1	0.1	0.2	0.6	0.6	0.2	0.2
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	0.017	0.016	0.019	0.018	0.017	0.015	0.019	0.024	0.019	0.012	0.012	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2

Licensee Comments: none

### **Drill/Exercise Performance**



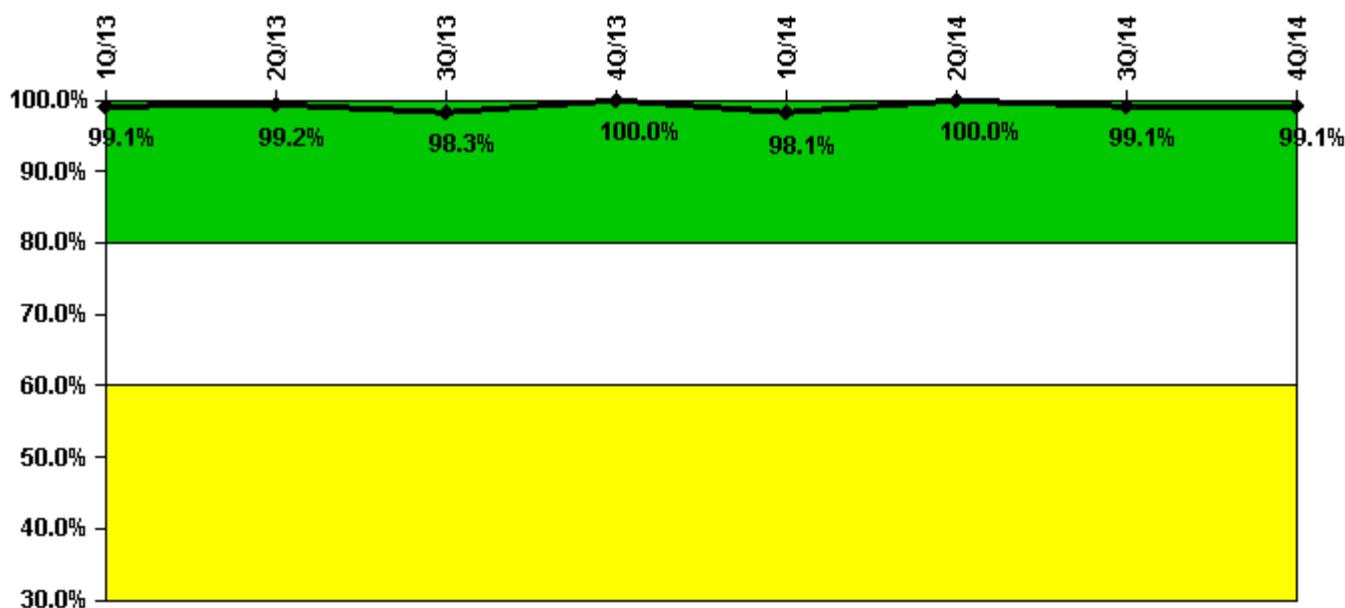
Thresholds: White < 90.0% Yellow < 70.0%

#### **Notes**

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	40.0	47.0	46.0	18.0	27.0	24.0	52.0	20.0
Total opportunities	40.0	50.0	46.0	18.0	28.0	25.0	52.0	20.0
<b>Indicator value</b>	<b>97.4%</b>	<b>97.1%</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.7%</b>	<b>98.2%</b>

Licensee Comments: none

### ERO Drill Participation



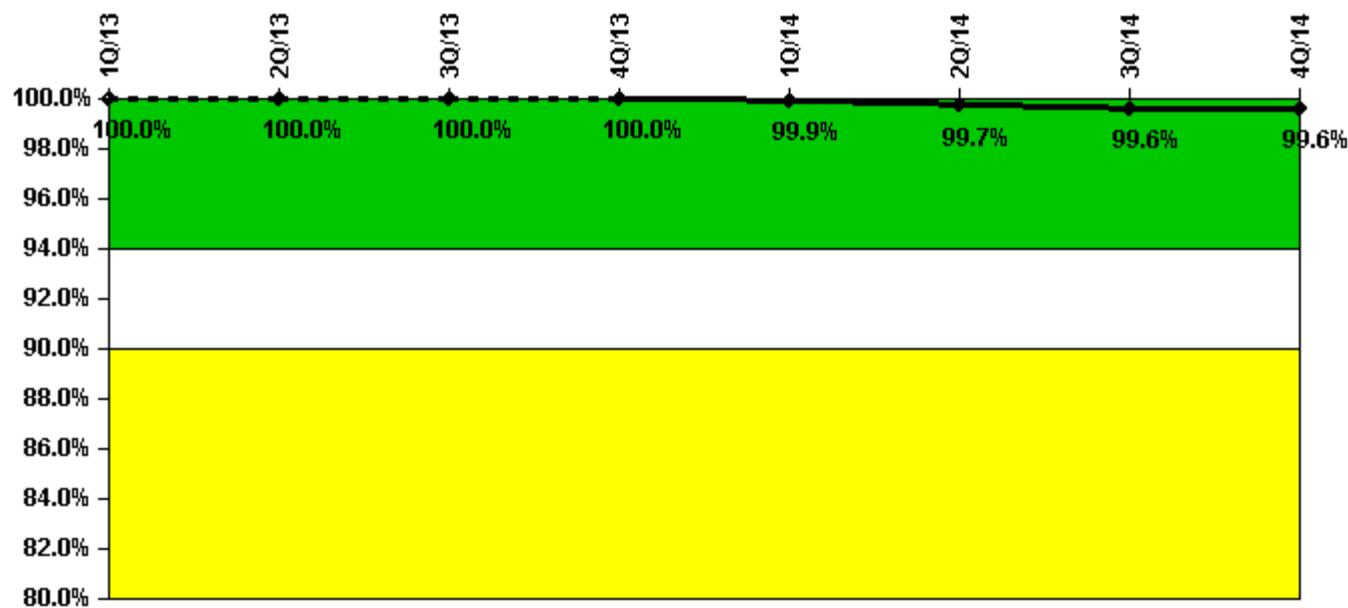
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	108.0	117.0	117.0	121.0	103.0	109.0	110.0	114.0
Total Key personnel	109.0	118.0	119.0	121.0	105.0	109.0	111.0	115.0
Indicator value	99.1%	99.2%	98.3%	100.0%	98.1%	100.0%	99.1%	99.1%

Licensee Comments: none

## Alert & Notification System



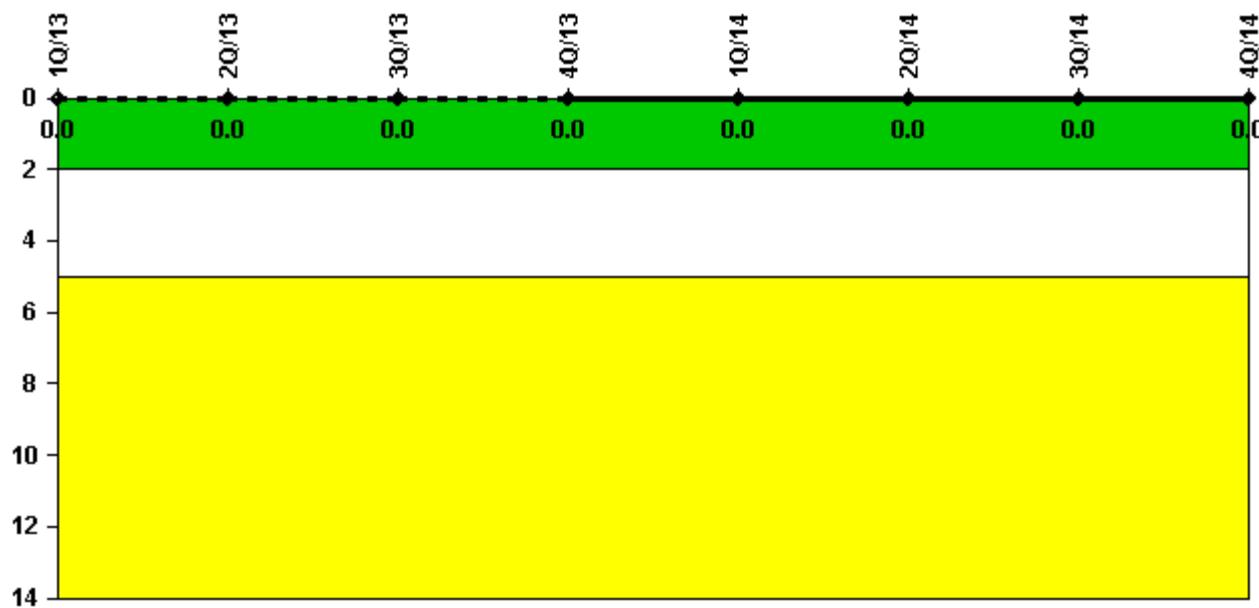
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	42	42	42	42	1156	1043	1151	1151
Total sirens-tests	42	42	42	42	1157	1049	1157	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



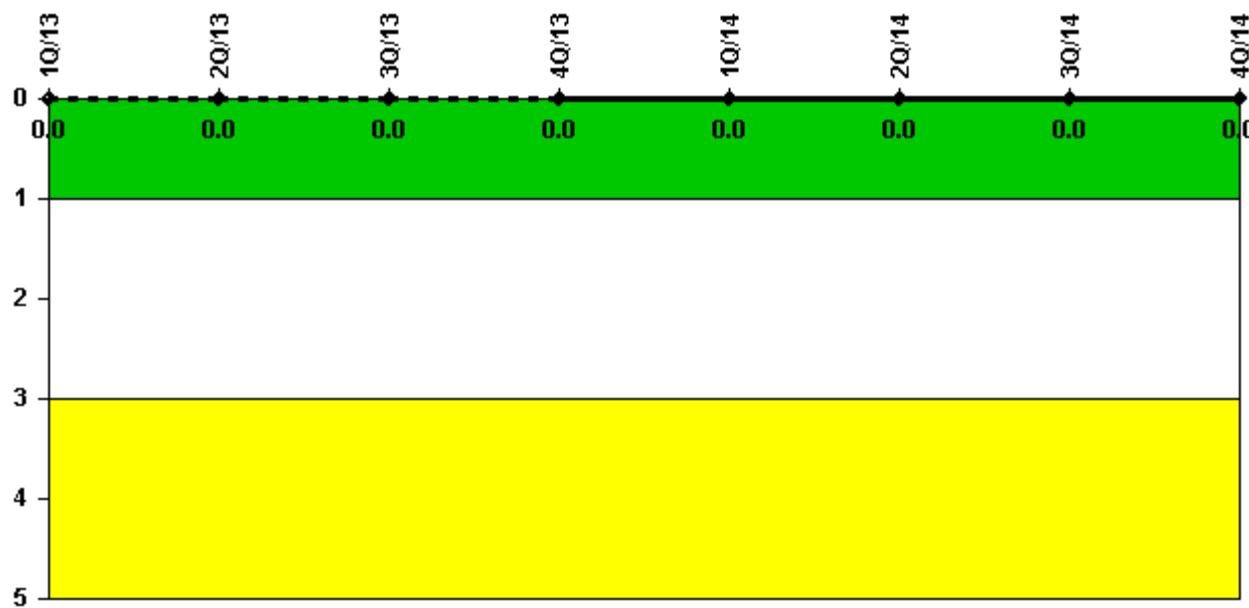
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	1Q/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	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/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

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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: February 3, 2015*

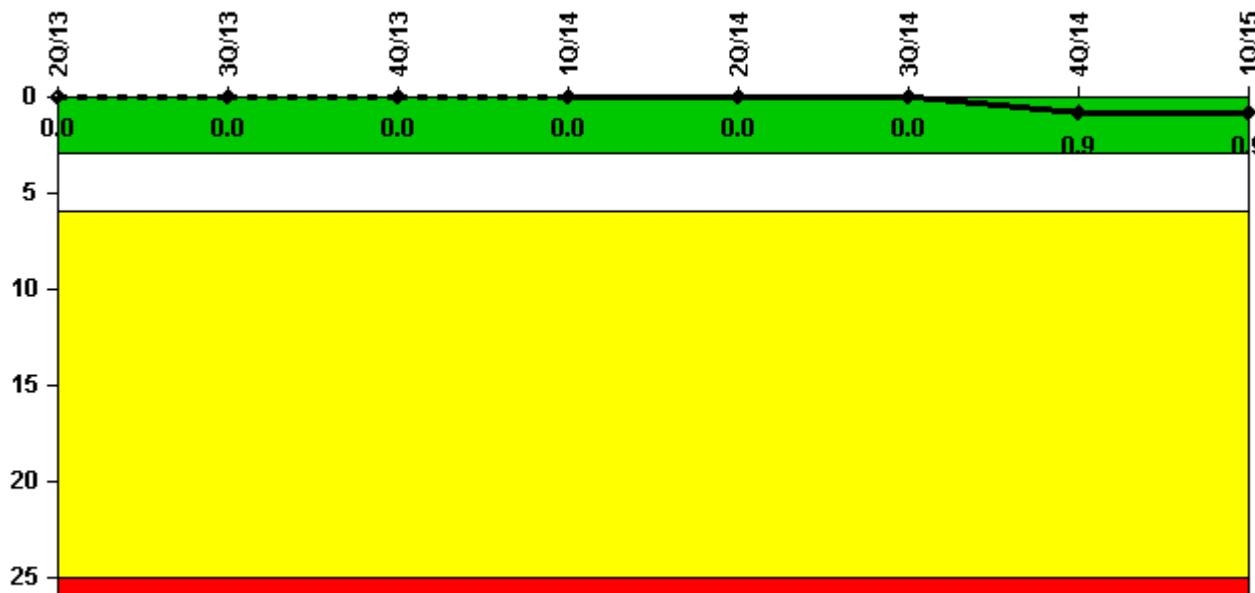
## Farley 2

### 1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER - 2015-001-00 Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

#### **Unplanned Scrams per 7000 Critical Hrs**



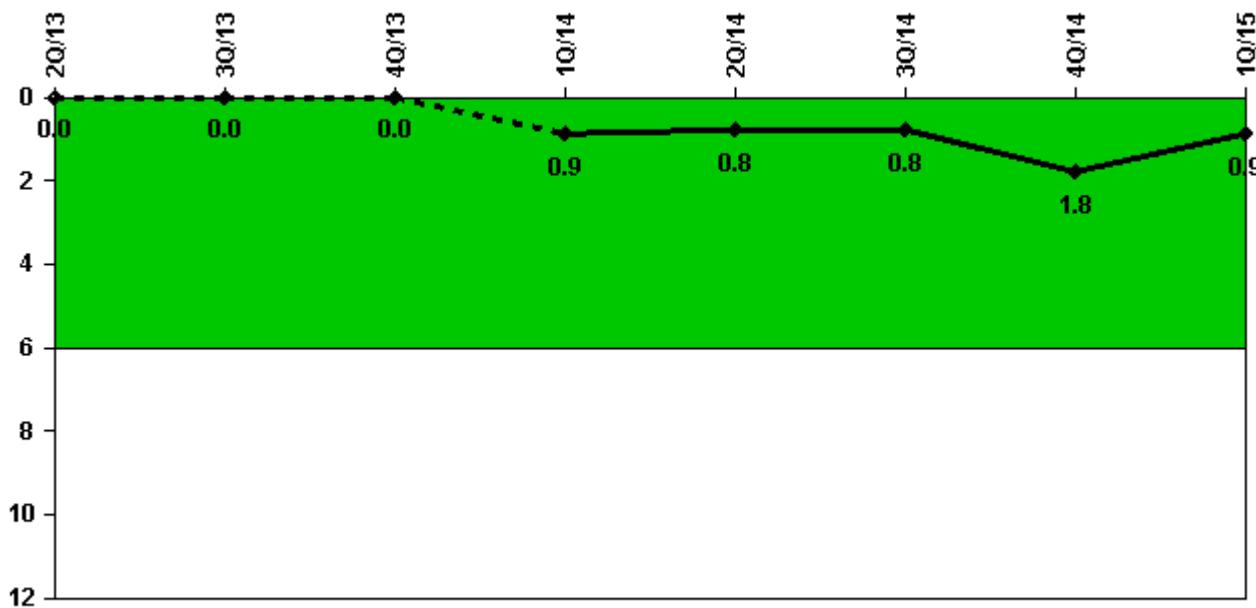
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	1.0	0
Critical hours	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0
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>0.9</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



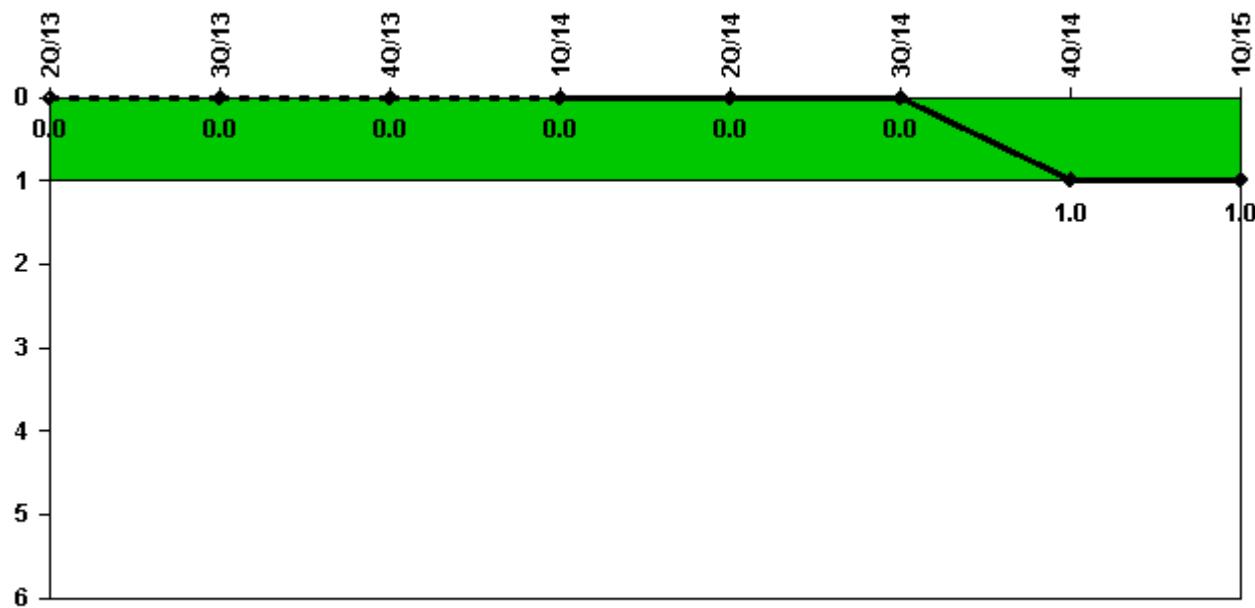
Thresholds: White > 6.0

#### 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	0	1.0	0	0	1.0	0
Critical hours	1600.2	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

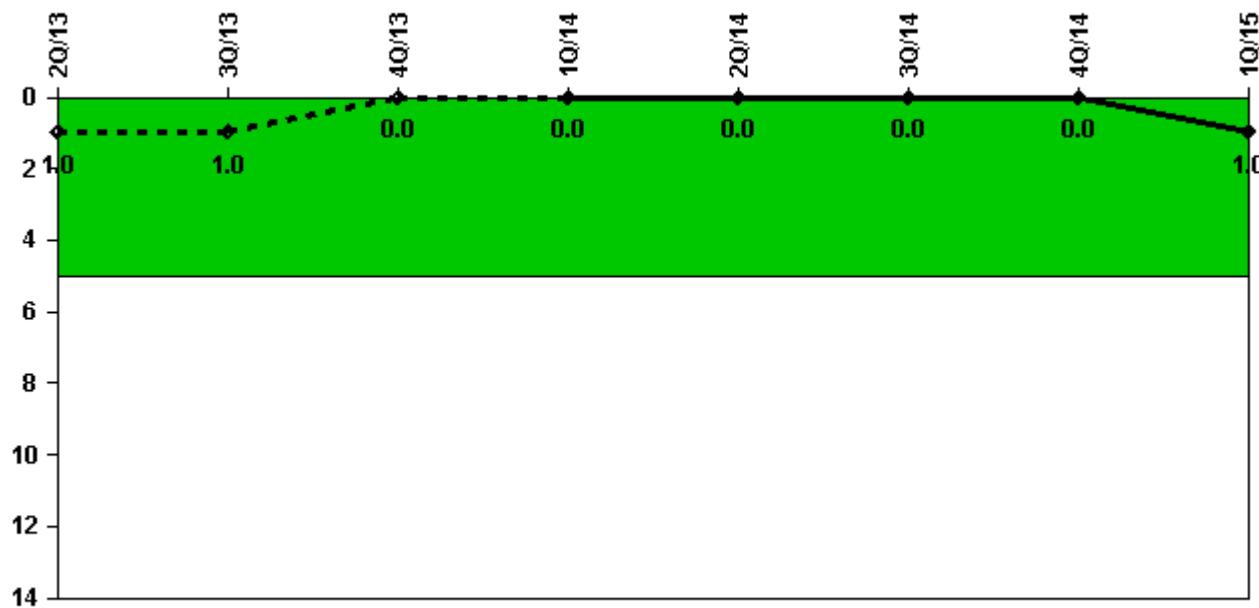
#### **Notes**

<b>Unplanned Scrams with Complications</b>	<b>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	1.0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

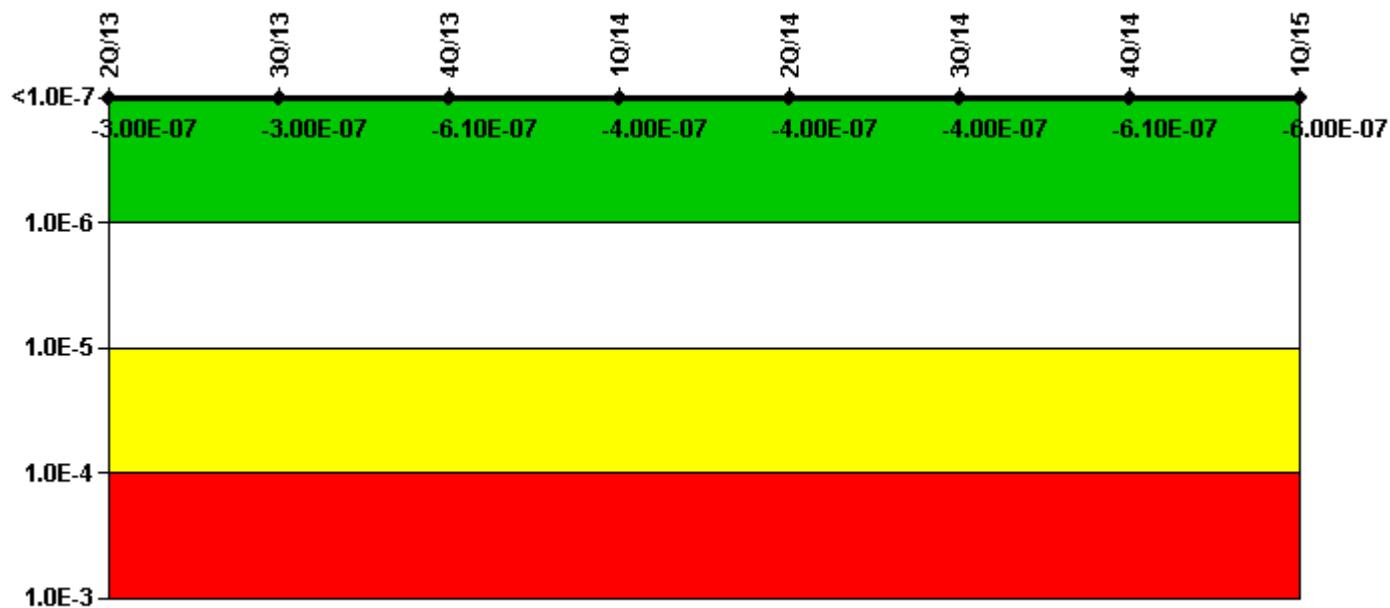
### Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-2.56E-08	-2.56E-08	-4.86E-08	-3.59E-08	-3.59E-08	-3.59E-08	-5.36E-08	-4.46E-08
URI ( $\Delta$ CDF)	-2.77E-07	-2.77E-07	-5.59E-07	-3.60E-07	-3.60E-07	-3.60E-07	-5.60E-07	-5.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>

Licensee Comments:

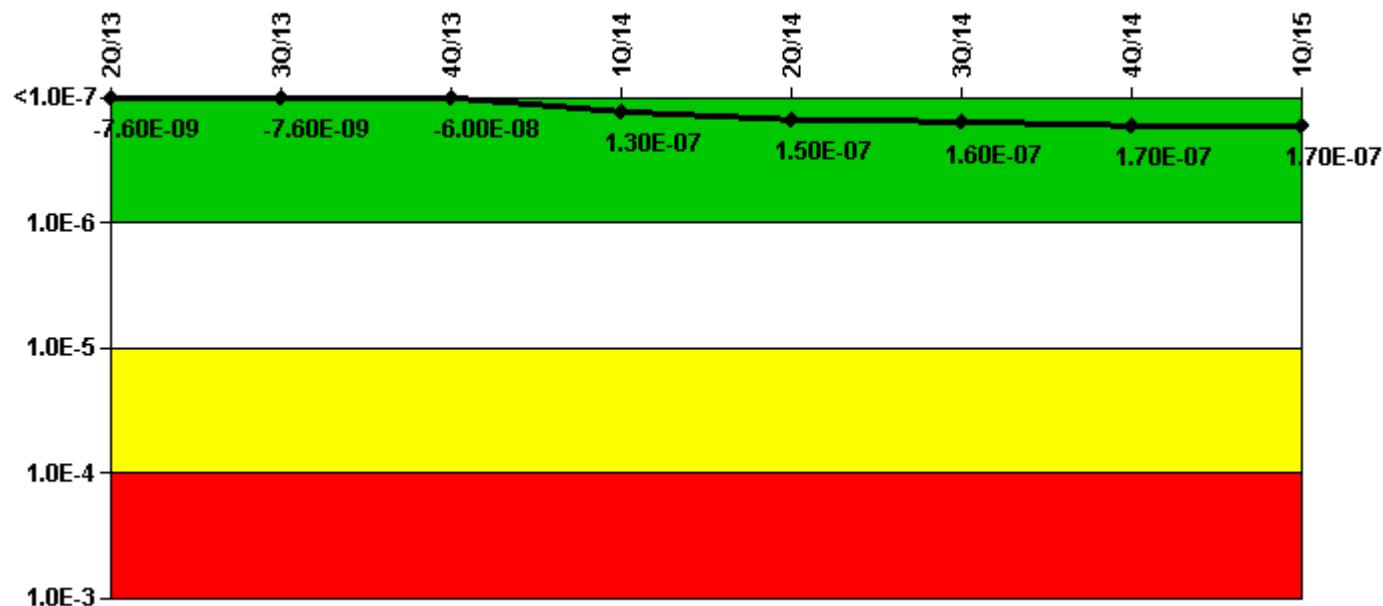
1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-3.72E-10	-3.93E-10	-3.22E-08	1.56E-07	1.82E-07	1.85E-07	1.95E-07	1.94E-07
URI ( $\Delta$ CDF)	-7.23E-09	-7.23E-09	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-7.60E-09</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

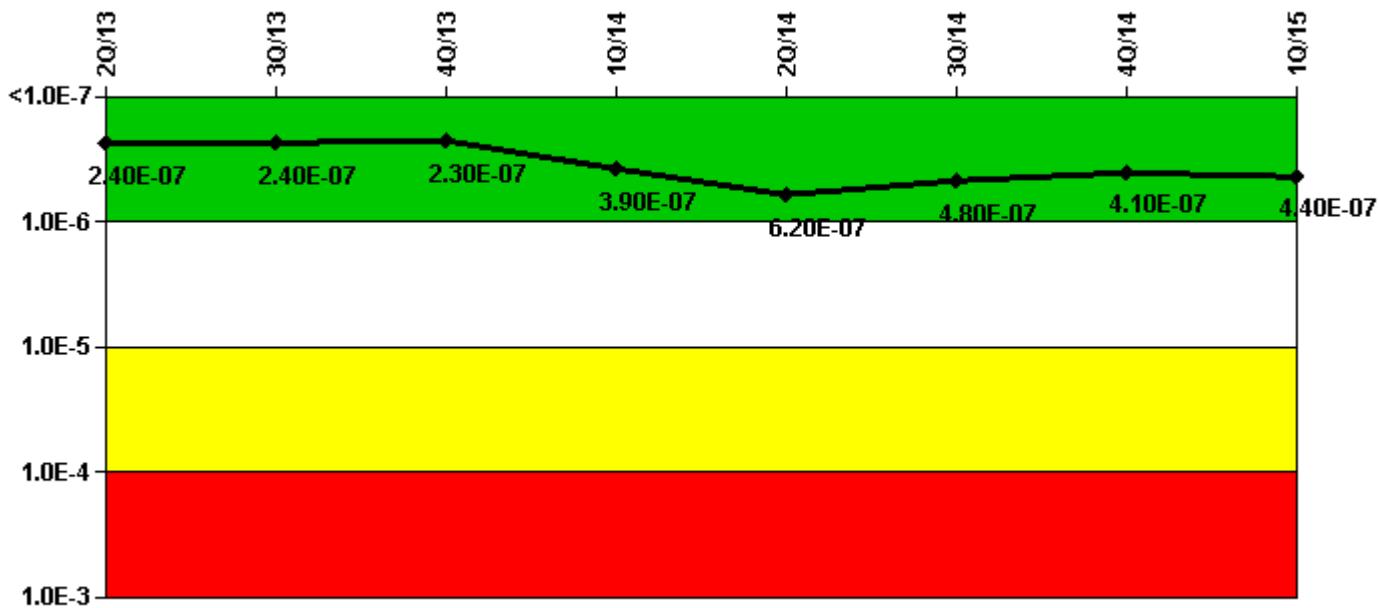
3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

## 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)	-1.40E-08	-1.40E-08	-6.99E-09	1.51E-07	1.63E-07	2.51E-07	1.87E-07	2.18E-07
URI ( $\Delta$ CDF)	2.57E-07	2.57E-07	2.36E-07	2.36E-07	4.58E-07	2.30E-07	2.25E-07	2.25E-07
PLE	NO							
<b>Indicator value</b>	<b>2.40E-07</b>	<b>2.40E-07</b>	<b>2.30E-07</b>	<b>3.90E-07</b>	<b>6.20E-07</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>

Licensee Comments:

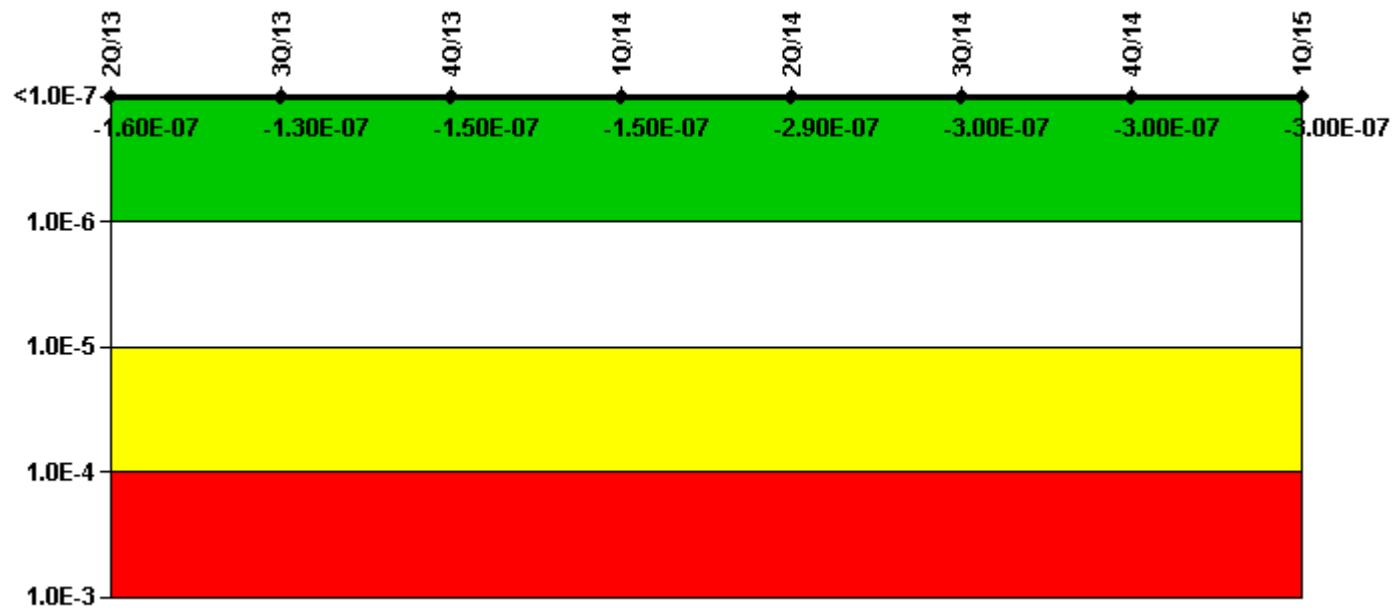
1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

## 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-1.45E-08	1.96E-08	7.90E-08	7.34E-08	-6.44E-08	-7.74E-08	-7.74E-08	-7.74E-08
URI ( $\Delta$ CDF)	-1.48E-07	-1.48E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07
PLE	NO							
<b>Indicator value</b>	<b>-1.60E-07</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>

Licensee Comments:

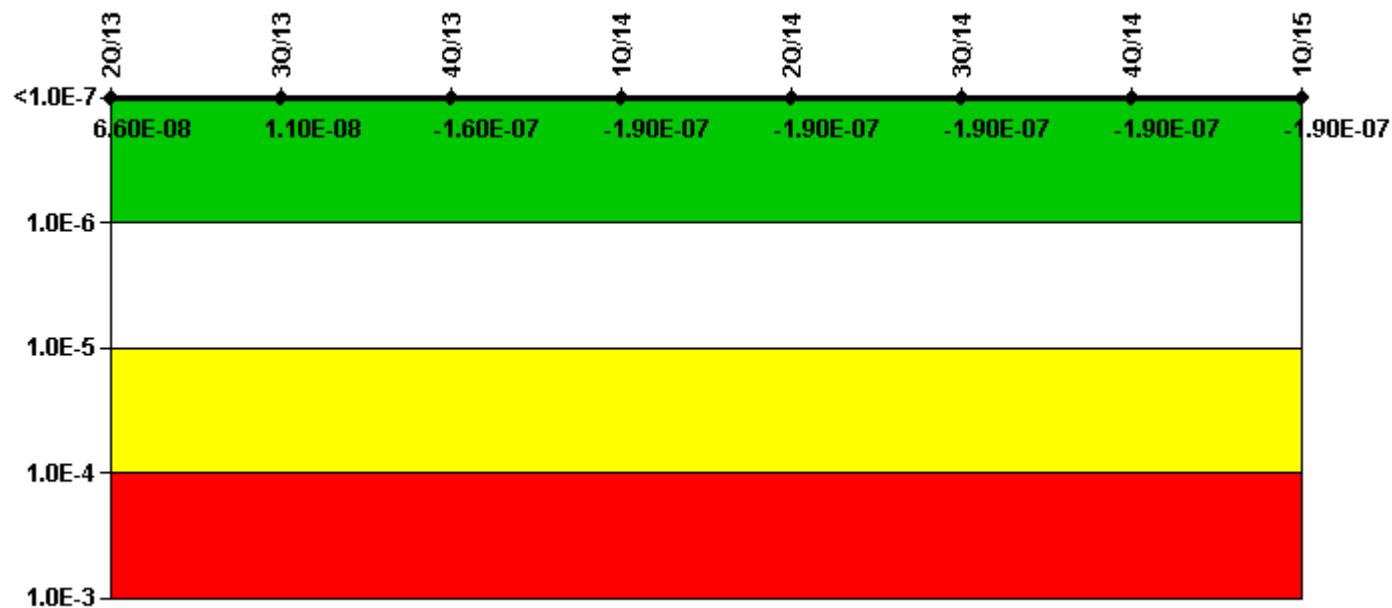
1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-6.51E-08	-6.56E-08	5.48E-08	1.67E-08	1.86E-08	1.81E-08	1.84E-08	2.38E-08
URI ( $\Delta$ CDF)	1.31E-07	7.61E-08	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>6.60E-08</b>	<b>1.10E-08</b>	<b>-1.60E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>

Licensee Comments:

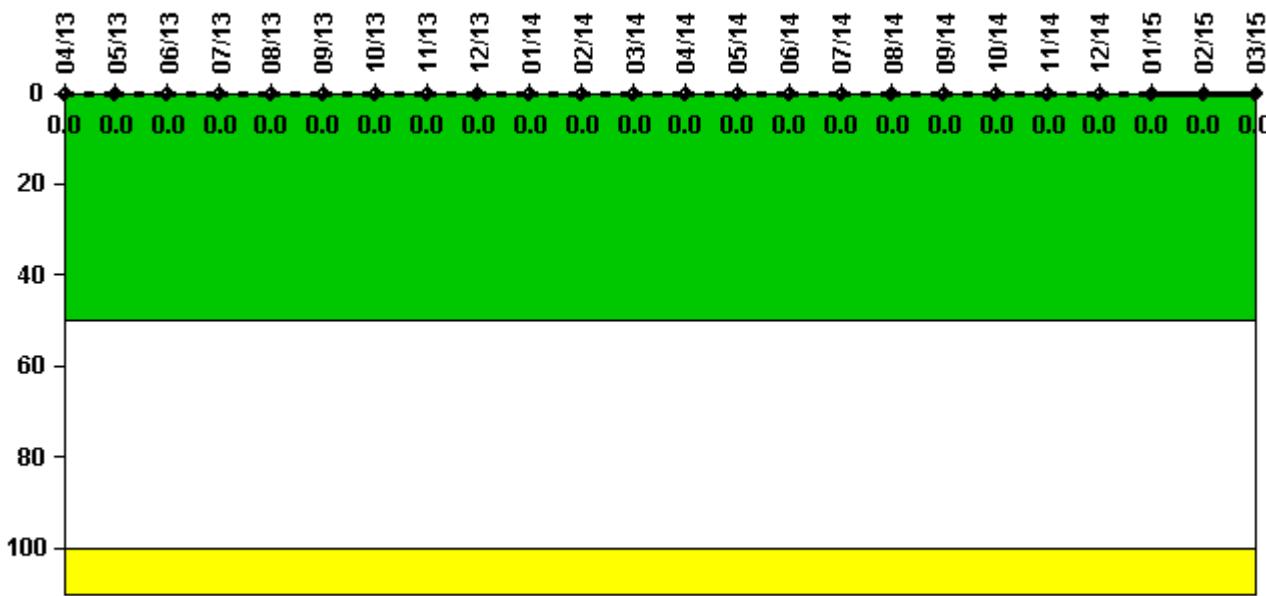
1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

### Reactor Coolant System Activity



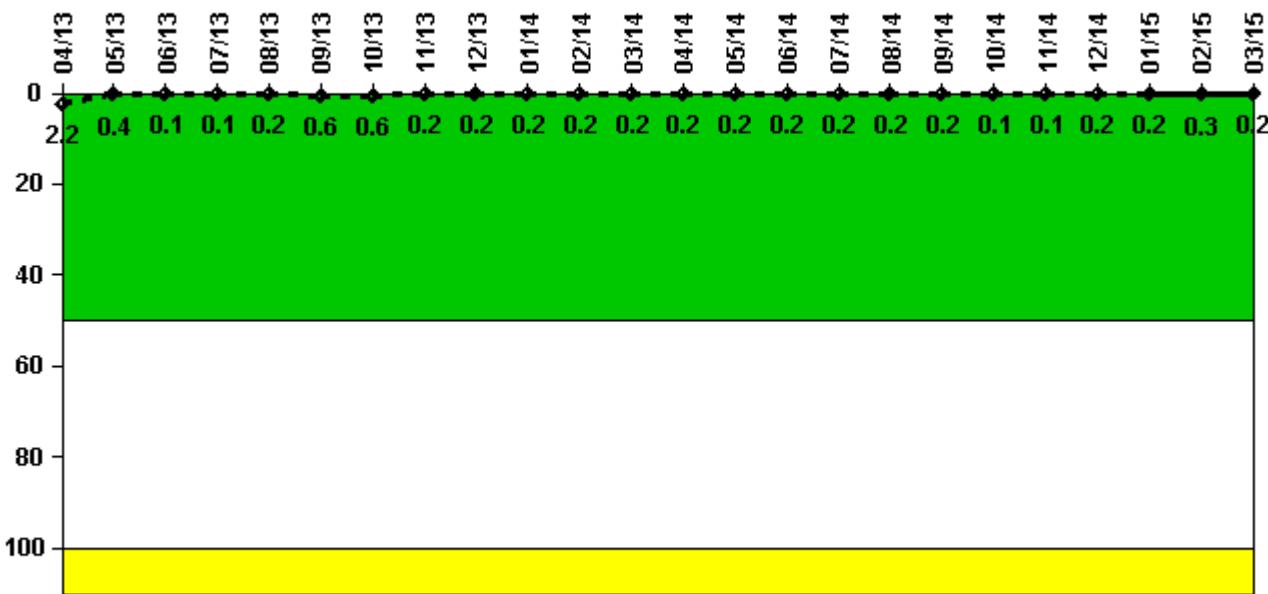
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000050	0.000028	0	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											
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	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027	0.000029	0.000034	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>											

Licensee Comments: none

## Reactor Coolant System Leakage



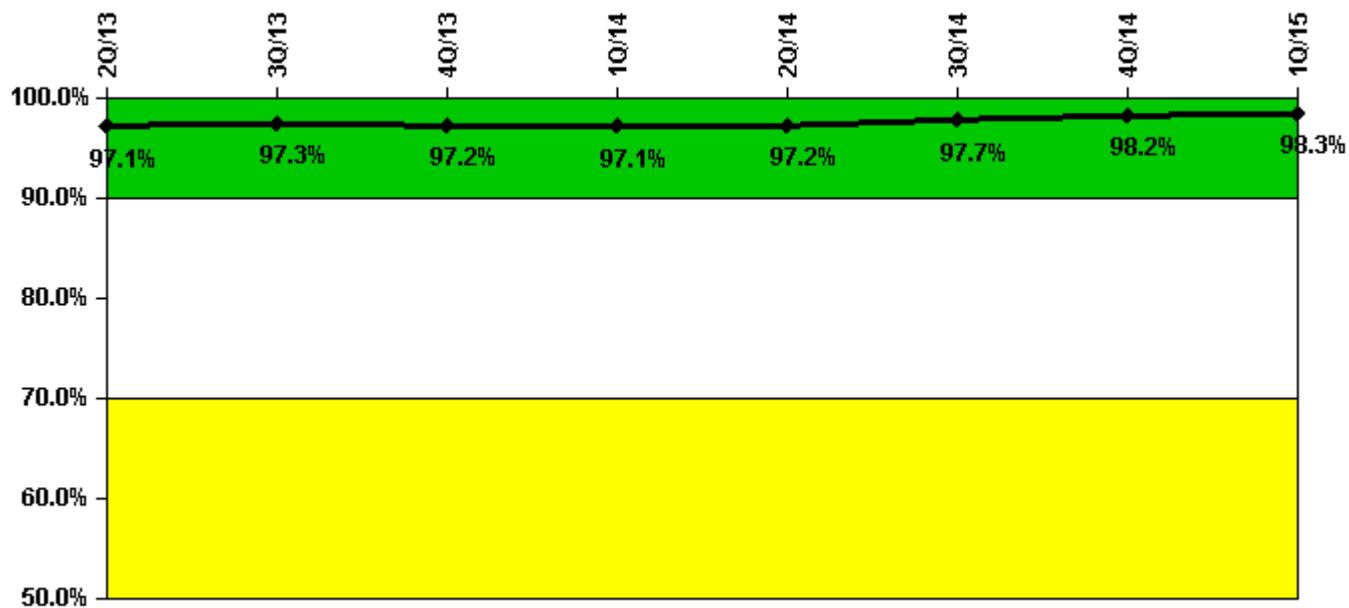
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.216	0.036	0.014	0.014	0.017	0.063	0.055	0.015	0.019	0.017	0.016	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	0.4	0.1	0.1	0.2	0.6	0.6	0.2	0.2	0.2	0.2	0.2
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	0.018	0.017	0.015	0.019	0.024	0.019	0.012	0.012	0.019	0.018	0.025	0.021
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2

Licensee Comments: none

### **Drill/Exercise Performance**



Thresholds: White < 90.0% Yellow < 70.0%

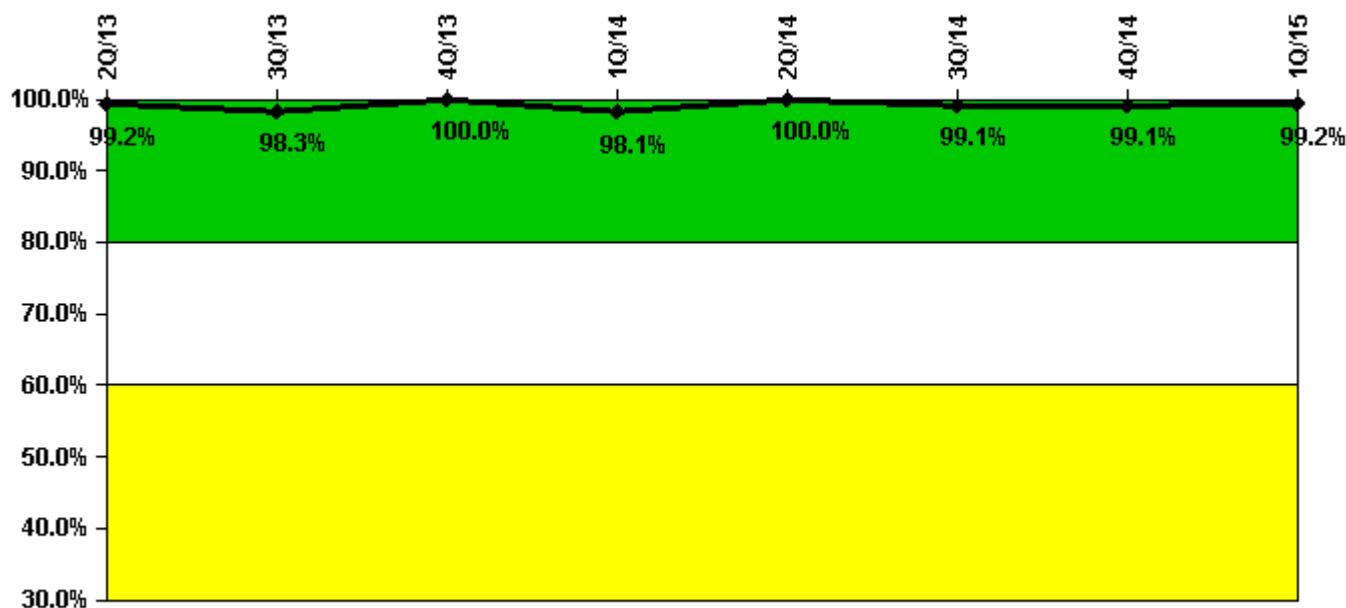
#### **Notes**

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	47.0	46.0	18.0	27.0	24.0	52.0	20.0	63.0
Total opportunities	50.0	46.0	18.0	28.0	25.0	52.0	20.0	63.0
<b>Indicator value</b>	<b>97.1%</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.3%</b>

Licensee Comments: none

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### ERO Drill Participation



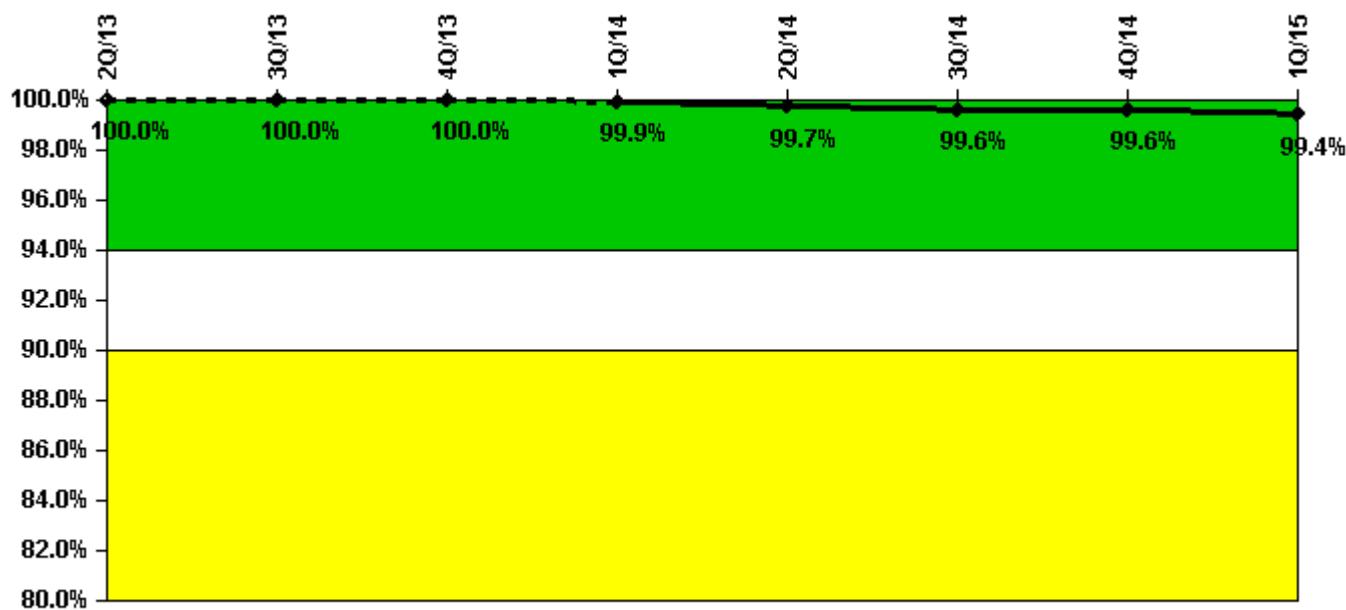
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	117.0	117.0	121.0	103.0	109.0	110.0	114.0	118.0
Total Key personnel	118.0	119.0	121.0	105.0	109.0	111.0	115.0	119.0
<b>Indicator value</b>	<b>99.2%</b>	<b>98.3%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>

Licensee Comments: none

## Alert & Notification System



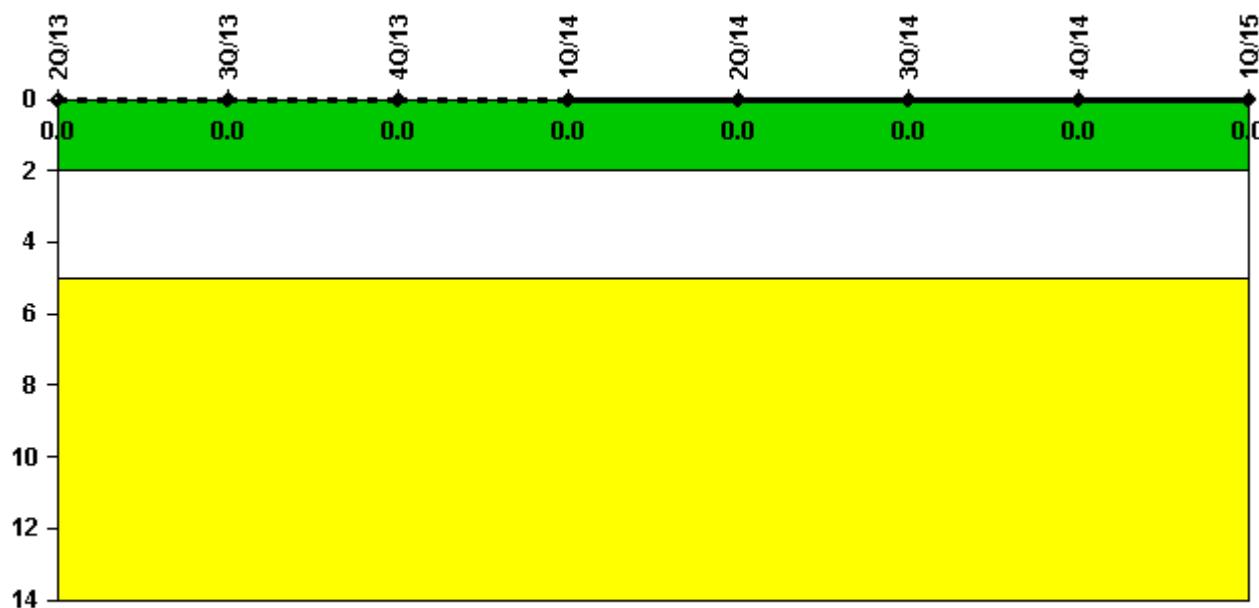
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	42	42	42	1156	1043	1151	1151	1148
Total sirens-tests	42	42	42	1157	1049	1157	1157	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness

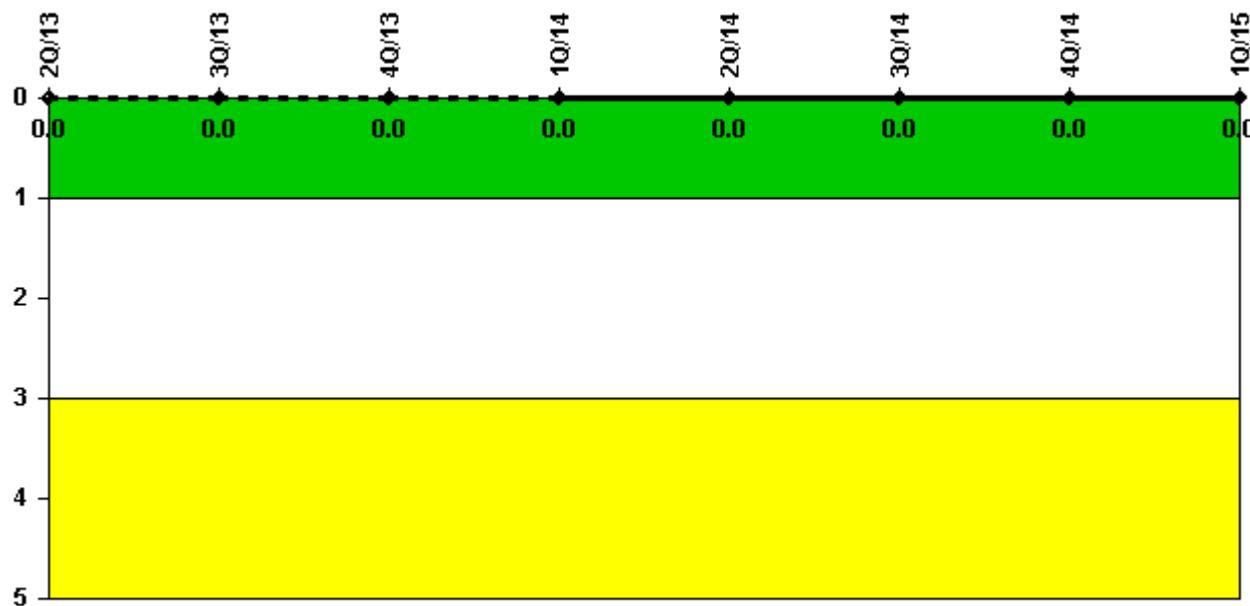


Thresholds: White > 2.0 Yellow > 5.0

### 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	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/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.

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

*Last Modified: April 23, 2015*

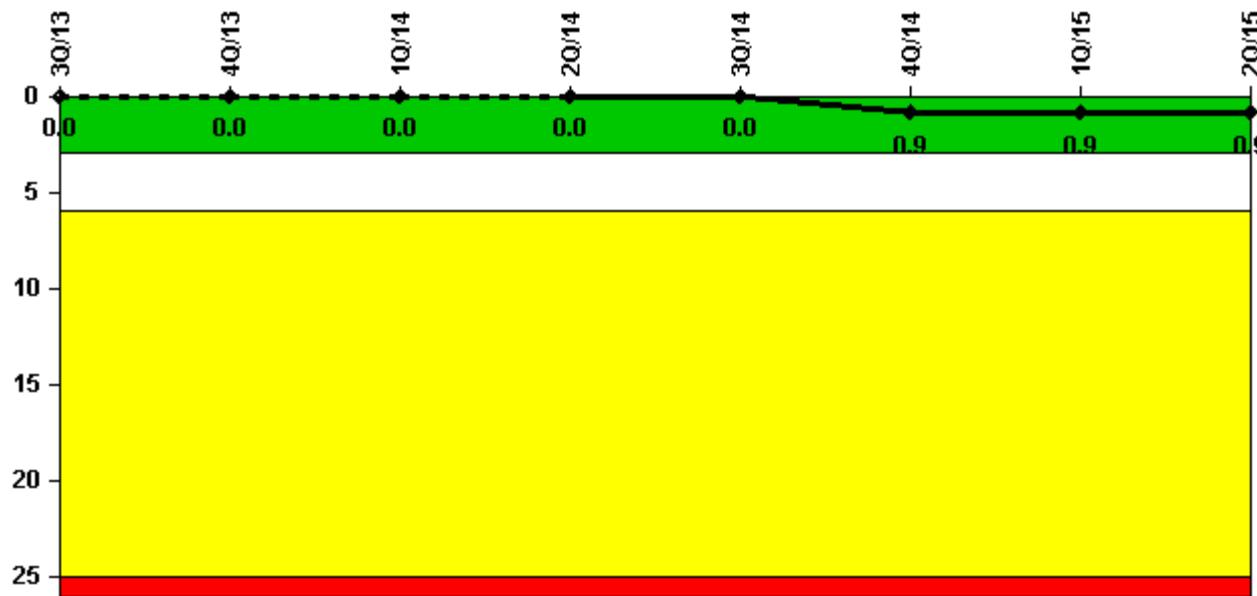
## Farley 2

### 2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### **Unplanned Scrams per 7000 Critical Hrs**



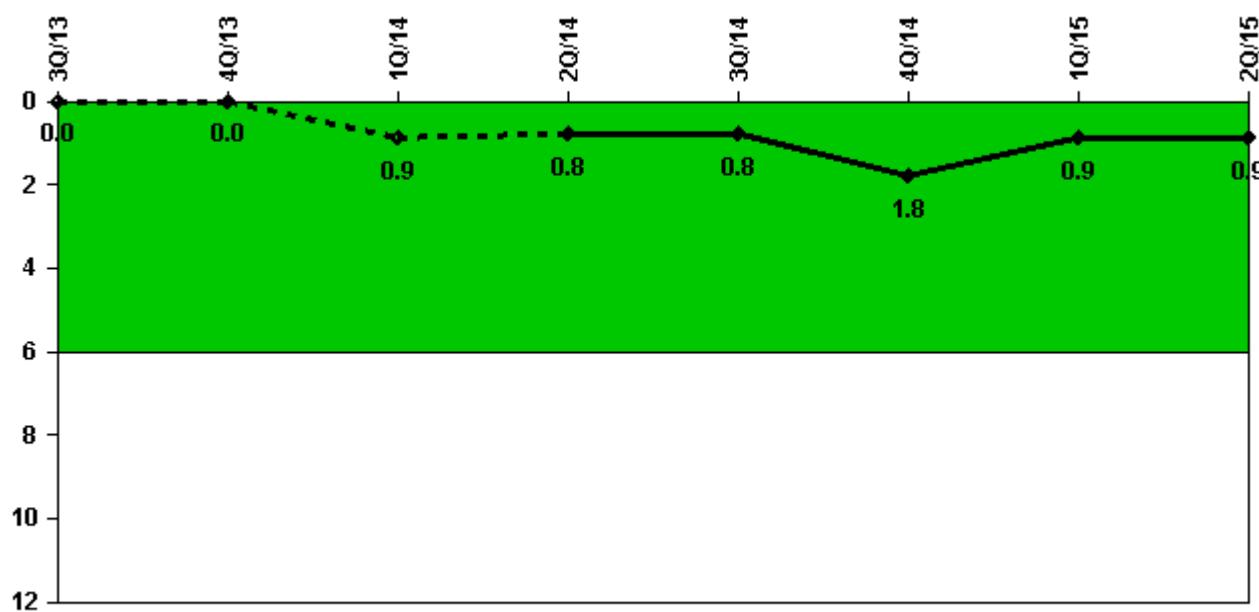
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



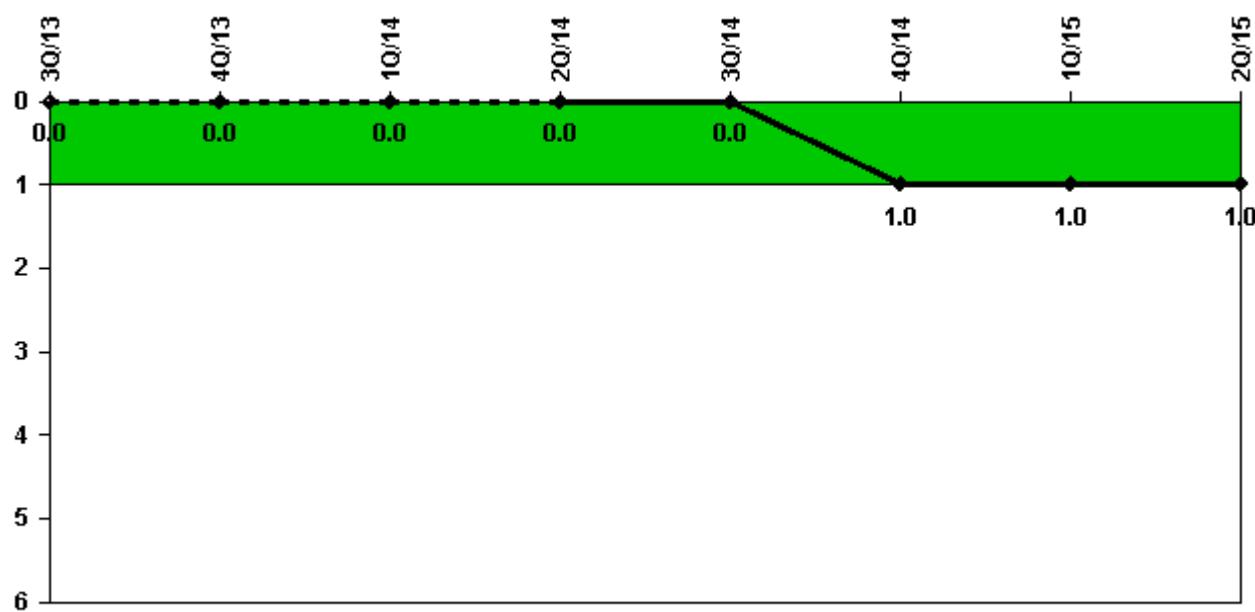
Thresholds: White > 6.0

#### 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	0	1.0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

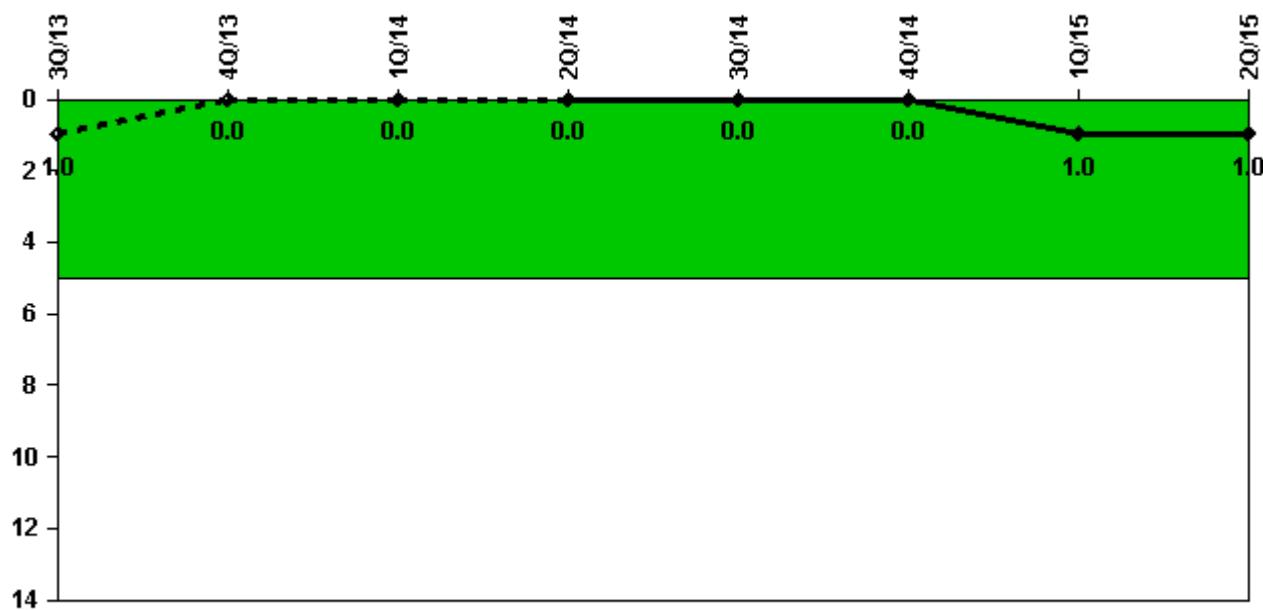
#### **Notes**

<b>Unplanned Scrams with Complications</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>
Scrams with complications	0	0	0	0	0	1.0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

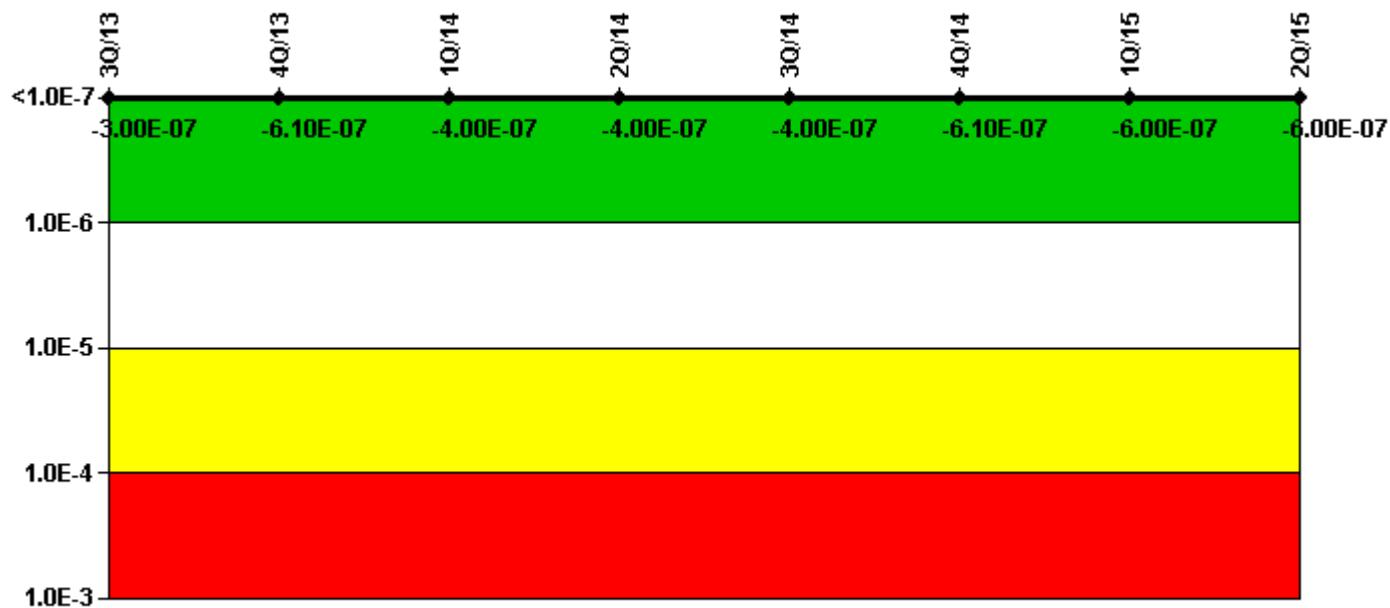
### Notes

Safety System Functional Failures (PWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	1	0	0	0	0	0	1	1

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/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	-2.56E-08	-4.86E-08	-3.59E-08	-3.59E-08	-3.59E-08	-5.36E-08	-4.46E-08	-3.76E-08
URI ( $\Delta$ CDF)	-2.77E-07	-5.59E-07	-3.60E-07	-3.60E-07	-3.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-3.00E-07</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>

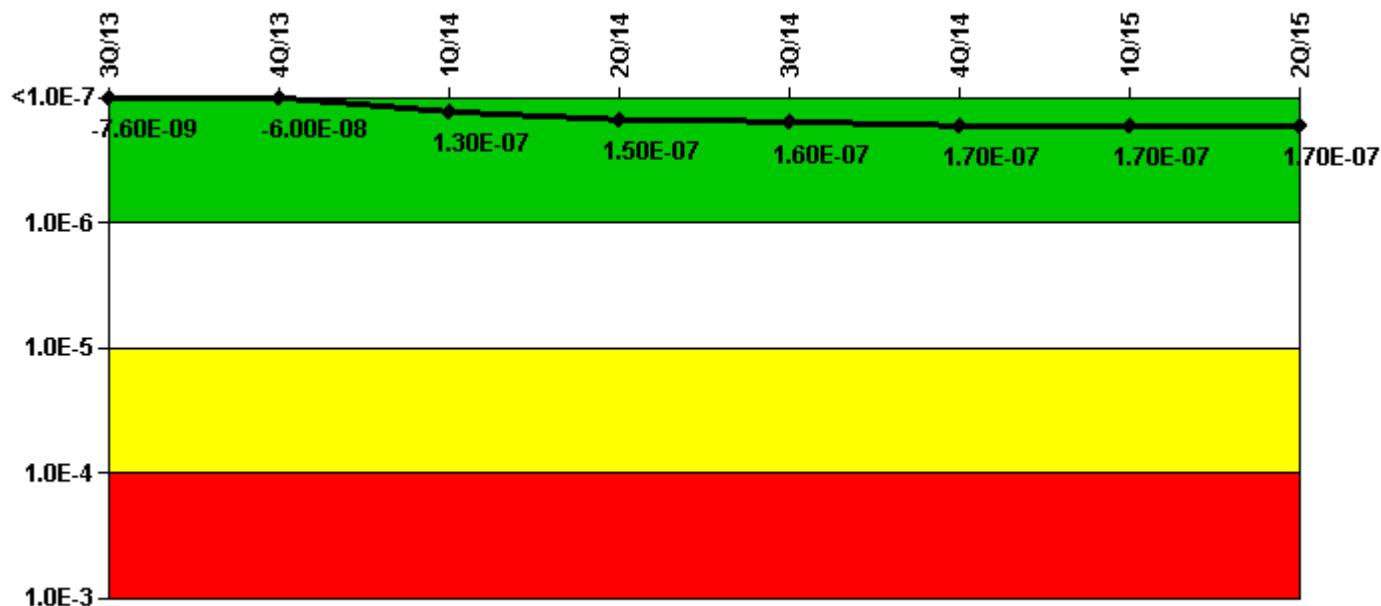
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: 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	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	-3.93E-10	-3.22E-08	1.56E-07	1.82E-07	1.85E-07	1.95E-07	1.94E-07	1.96E-07
URI ( $\Delta$ CDF)	-7.23E-09	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.60E-09</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>

Licensee Comments:

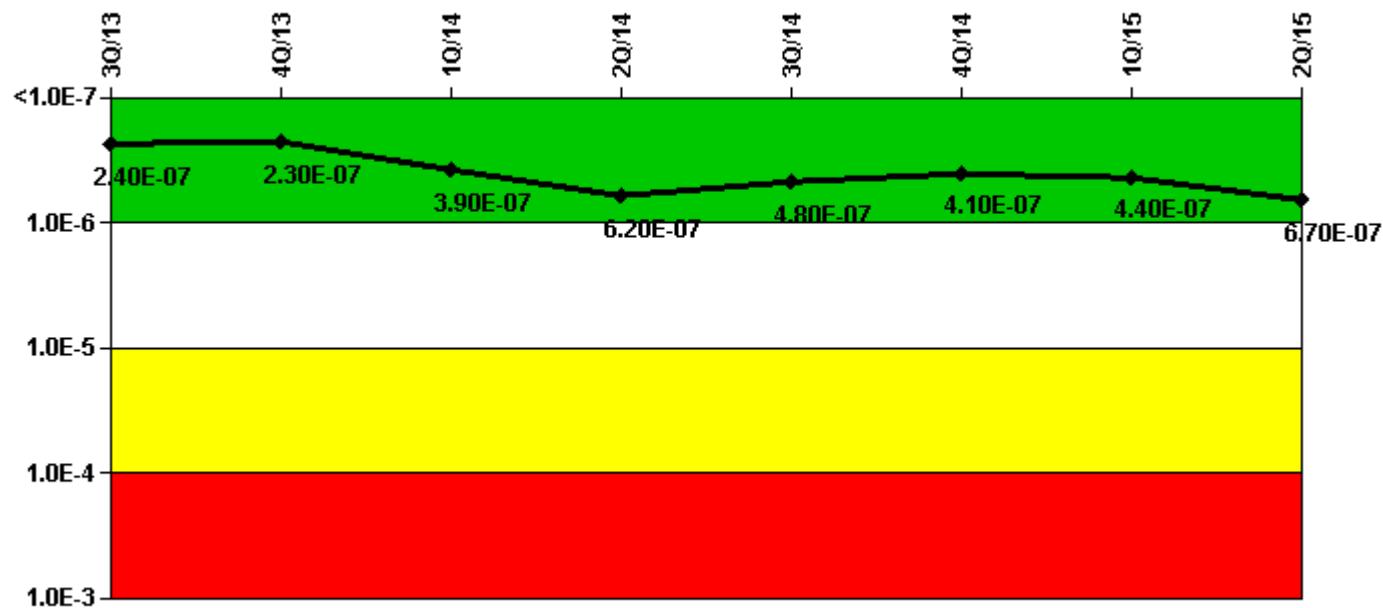
1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

## 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)	-1.40E-08	-6.99E-09	1.51E-07	1.63E-07	2.51E-07	1.87E-07	2.18E-07	2.21E-07
URI ( $\Delta$ CDF)	2.57E-07	2.36E-07	2.36E-07	4.58E-07	2.30E-07	2.25E-07	2.25E-07	4.44E-07
PLE	NO							
<b>Indicator value</b>	<b>2.40E-07</b>	<b>2.30E-07</b>	<b>3.90E-07</b>	<b>6.20E-07</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>

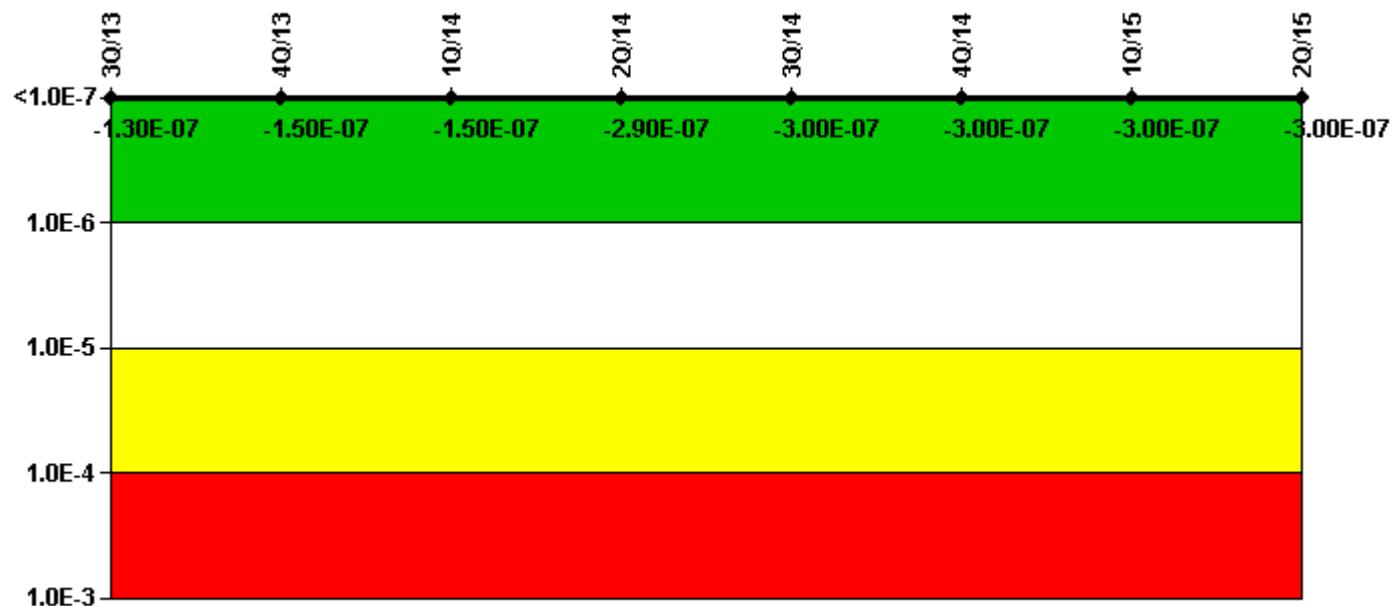
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

## 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)	1.96E-08	7.90E-08	7.34E-08	-6.44E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
URI ( $\Delta$ CDF)	-1.48E-07	-2.25E-07						
PLE	NO							
<b>Indicator value</b>	<b>-1.30E-07</b>	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>

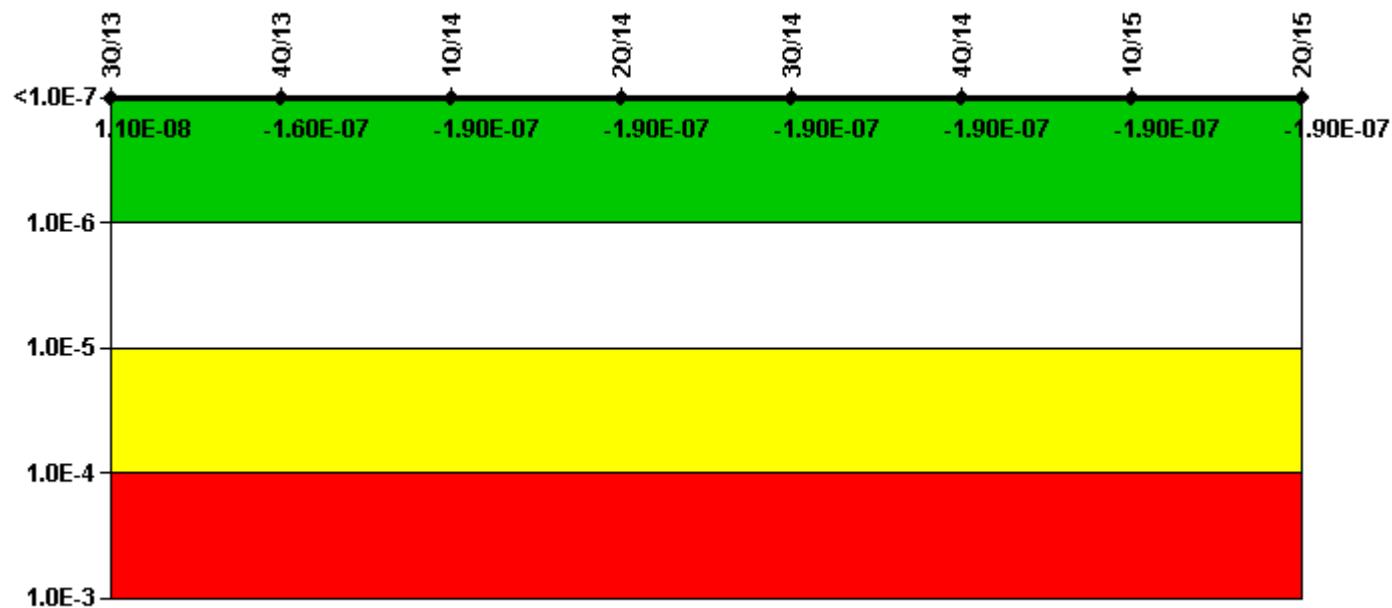
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: 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	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI ( $\Delta$ CDF)	-6.56E-08	5.48E-08	1.67E-08	1.86E-08	1.81E-08	1.84E-08	2.38E-08	2.30E-08
URI ( $\Delta$ CDF)	7.61E-08	-2.12E-07						
PLE	NO							
Indicator value	1.10E-08	-1.60E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07

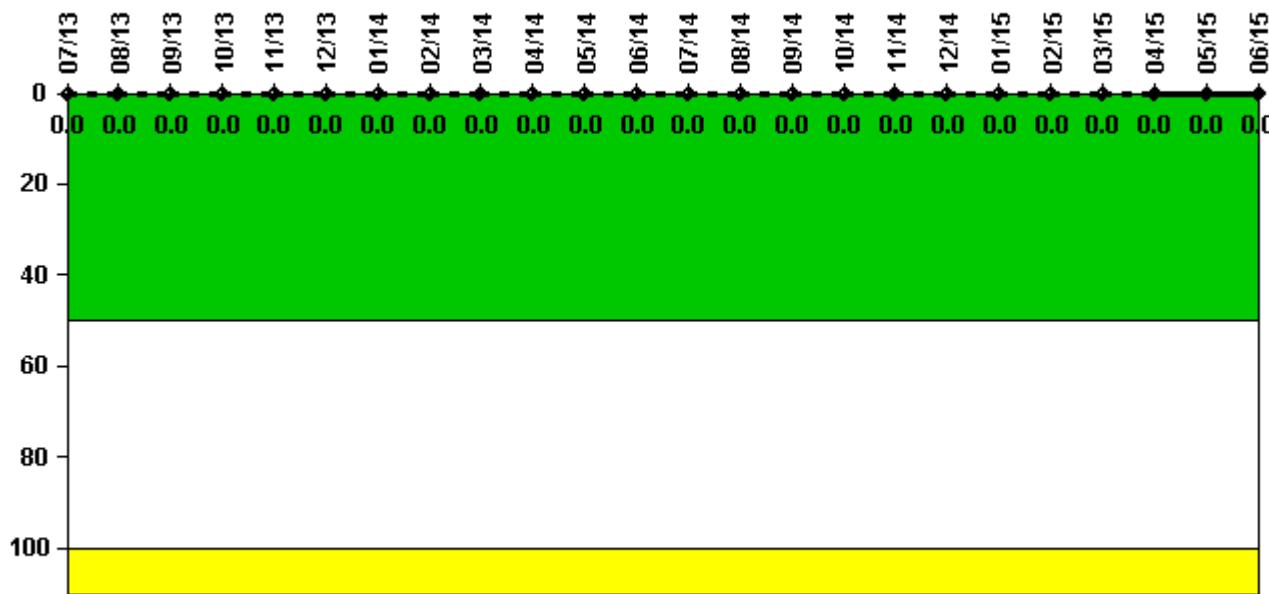
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

3Q/13: Changed PRA Parameter(s).

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

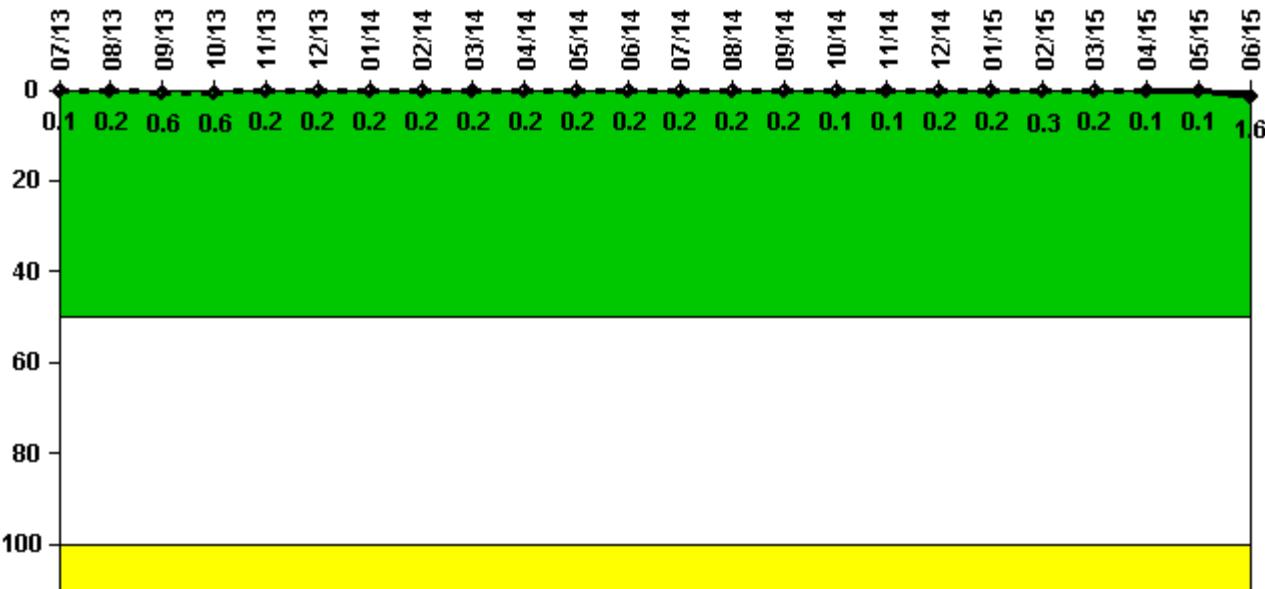
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000031	0.000034	0.000054	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	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	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027	0.000029	0.000034	0.000038	0.000032	0.000037	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



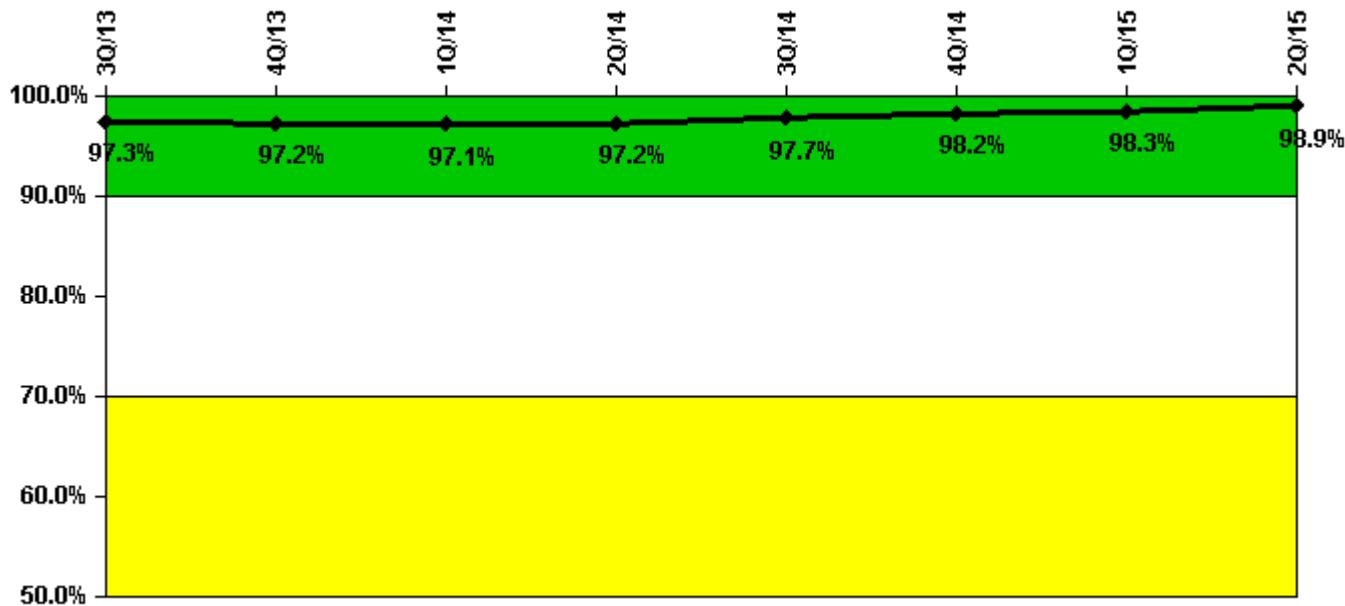
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.014	0.017	0.063	0.055	0.015	0.019	0.017	0.016	0.019	0.018	0.017	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>	<b>0.6</b>	<b>0.2</b>							
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	0.019	0.024	0.019	0.012	0.012	0.019	0.018	0.025	0.021	0.014	0.014	0.156
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>1.6</b>

Licensee Comments: none

### **Drill/Exercise Performance**



Thresholds: White < 90.0% Yellow < 70.0%

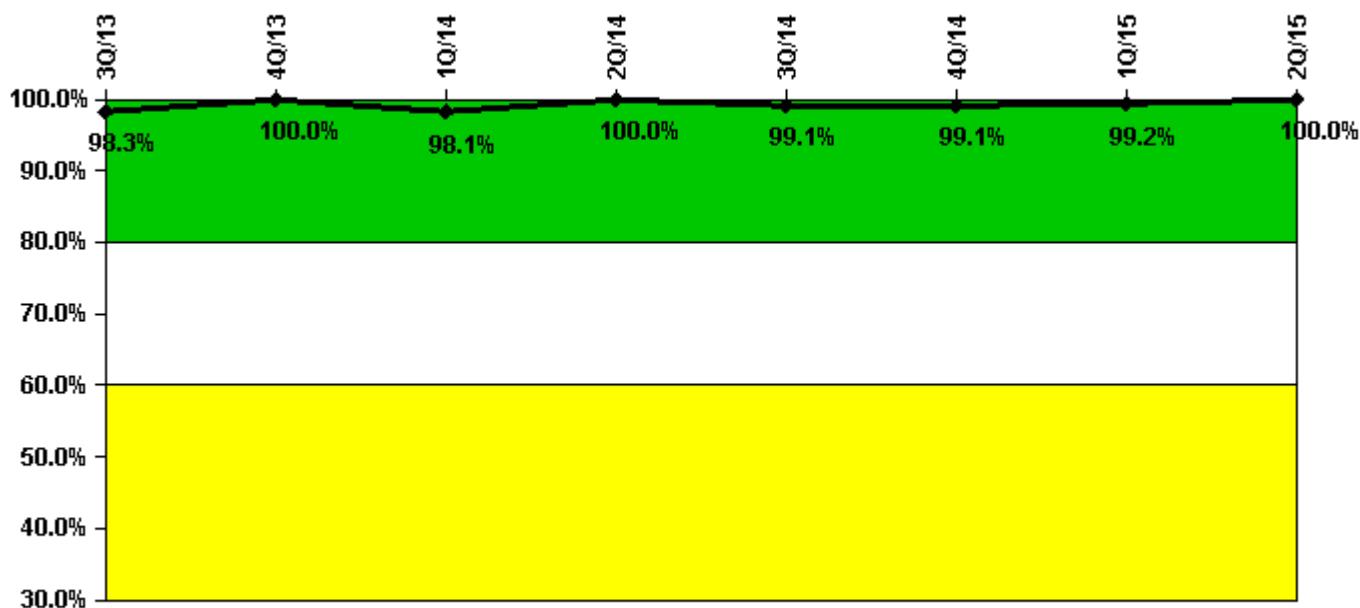
#### **Notes**

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	46.0	18.0	27.0	24.0	52.0	20.0	63.0	22.0
Total opportunities	46.0	18.0	28.0	25.0	52.0	20.0	63.0	23.0
<b>Indicator value</b>	<b>97.3%</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>98.9%</b>

Licensee Comments: none

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### ERO Drill Participation



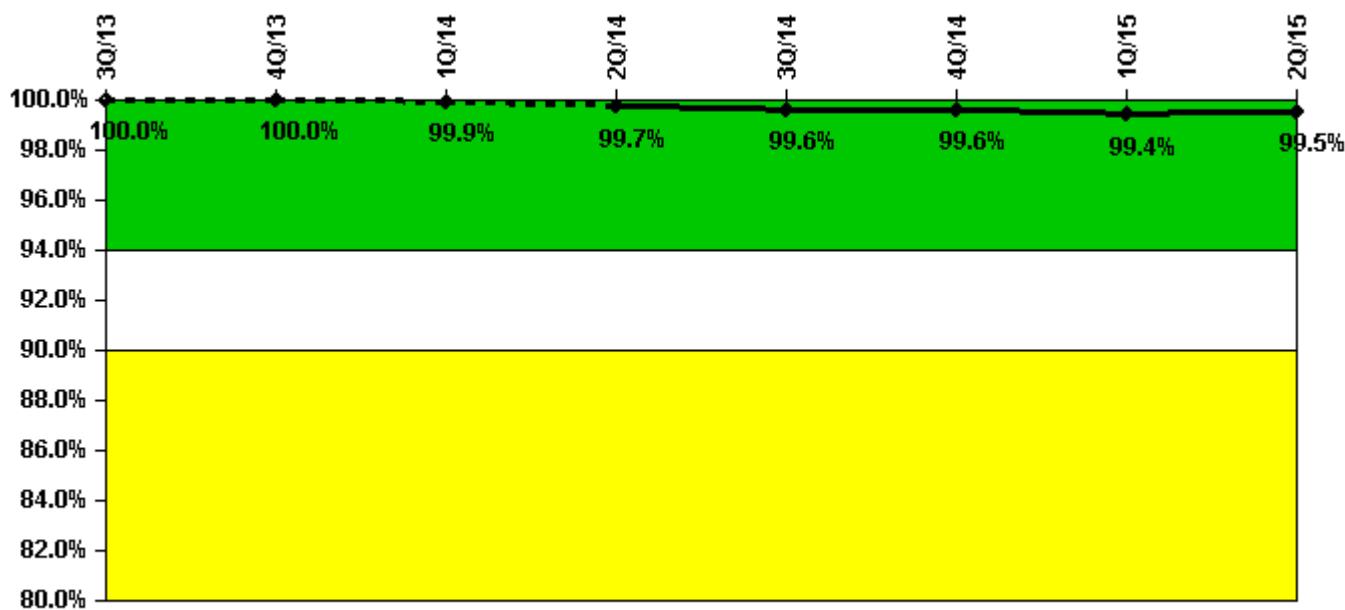
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	117.0	121.0	103.0	109.0	110.0	114.0	118.0	115.0
Total Key personnel	119.0	121.0	105.0	109.0	111.0	115.0	119.0	115.0
<b>Indicator value</b>	<b>98.3%</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System



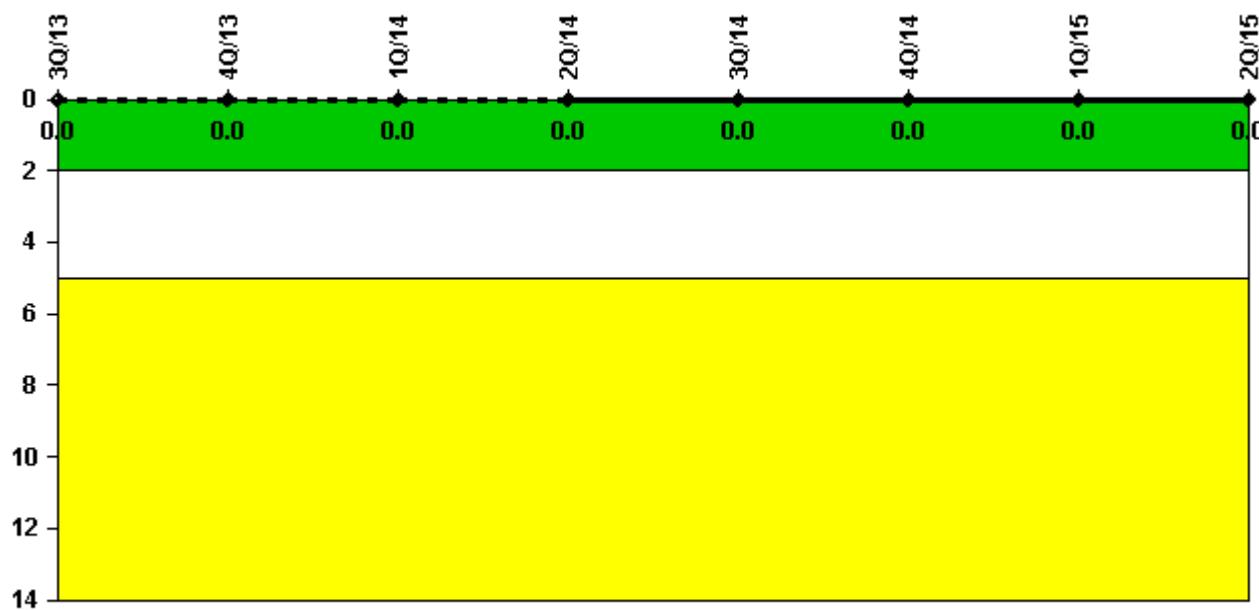
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	42	42	1156	1043	1151	1151	1148	1154
Total sirens-tests	42	42	1157	1049	1157	1157	1157	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness

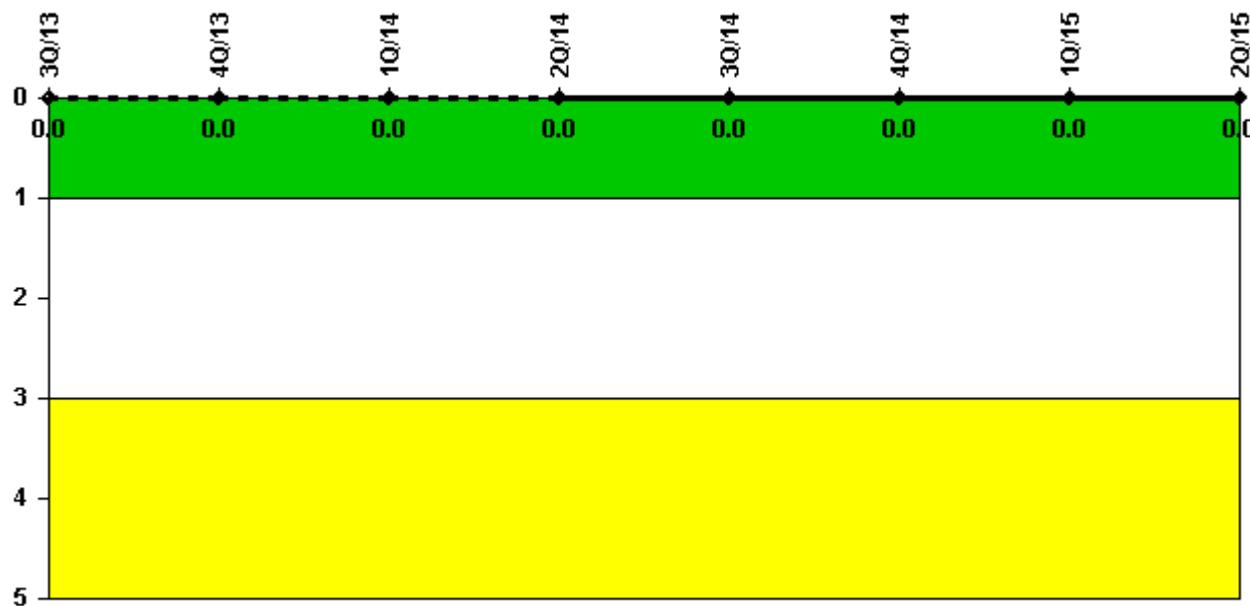


Thresholds: White > 2.0 Yellow > 5.0

### 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	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/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*

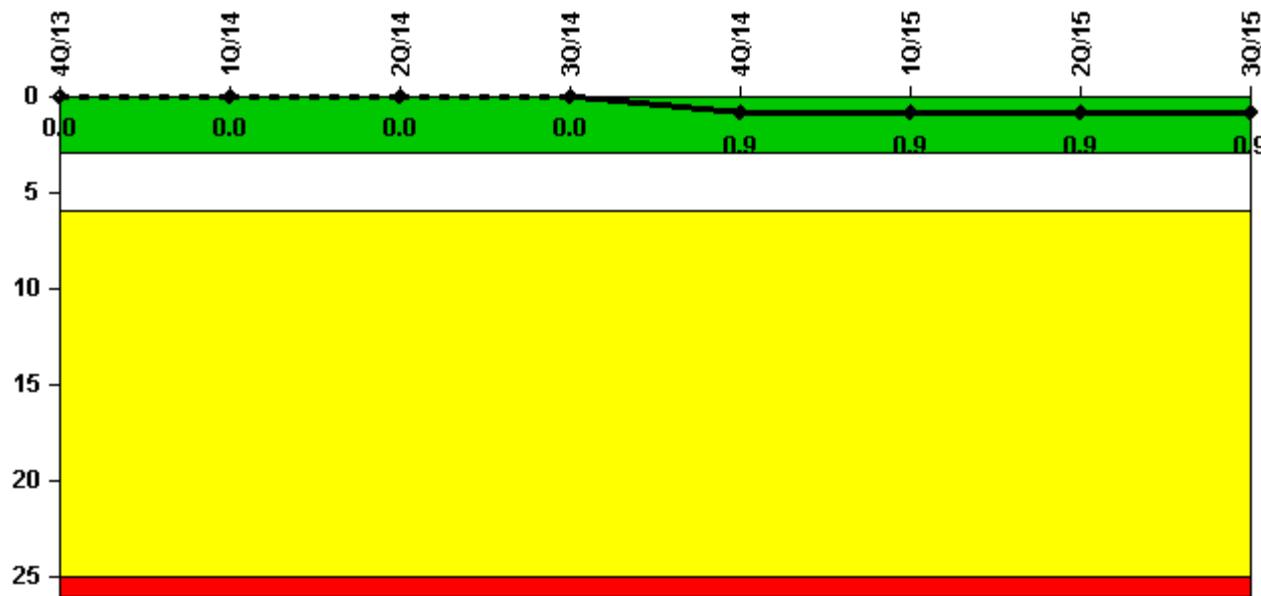
## Farley 2

### 3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



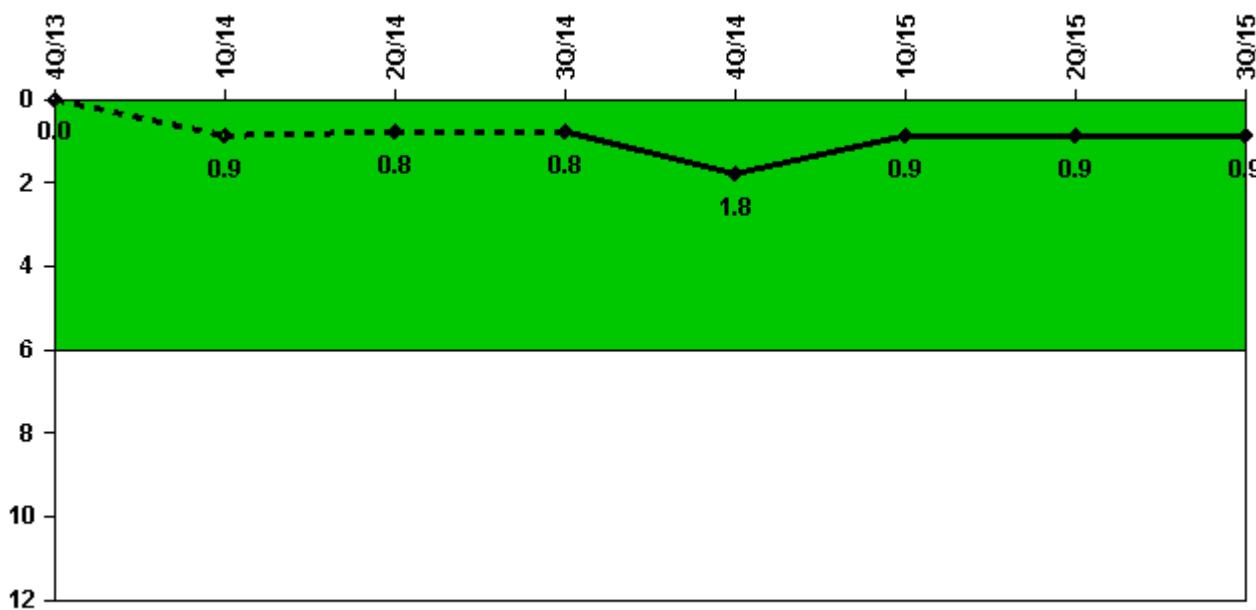
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	1.0	0	0	0
Critical hours	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0
Indicator value	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



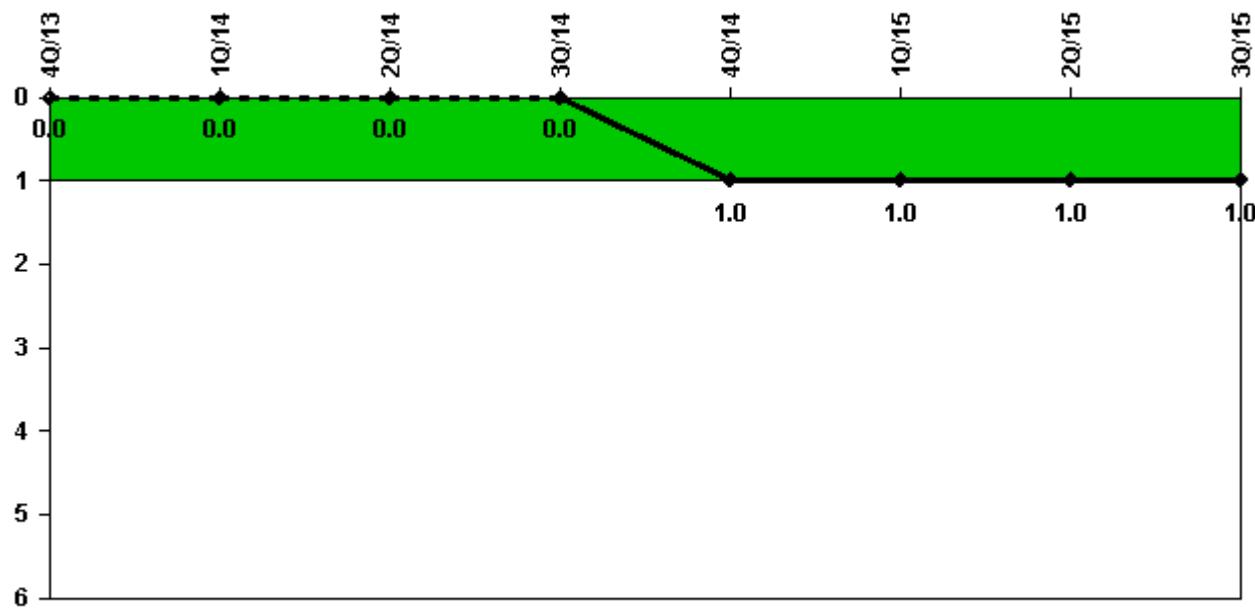
Thresholds: White > 6.0

#### 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	0	1.0	0	0	1.0	0	0	0
Critical hours	2209.0	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Scrams with Complications



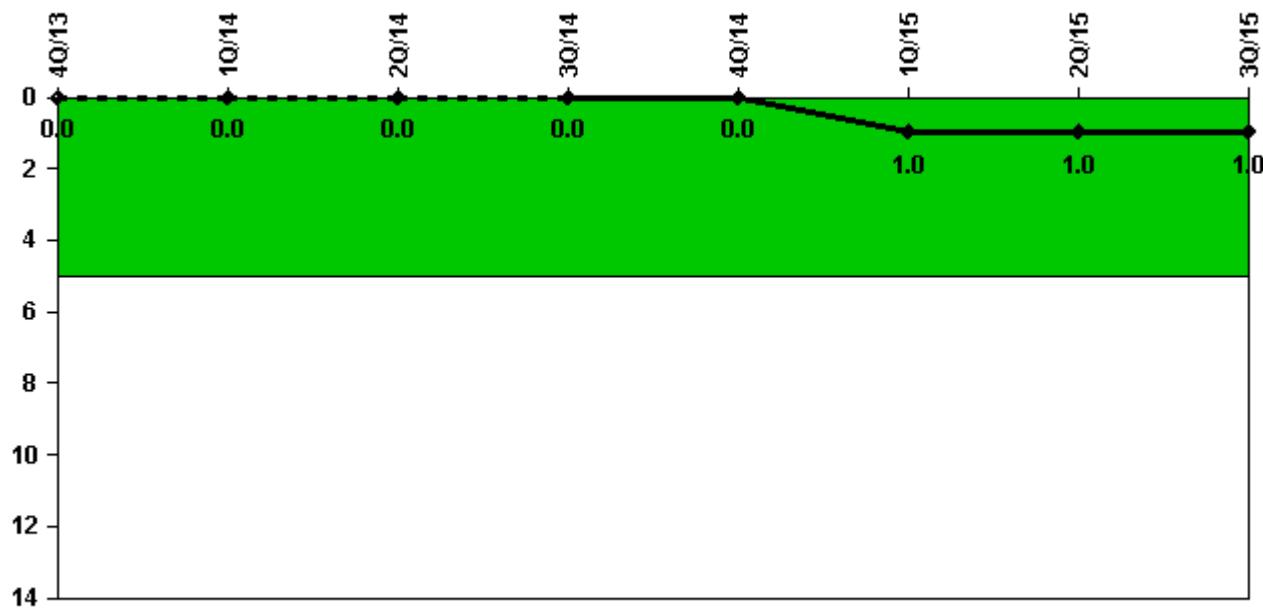
Thresholds: White > 1.0

#### 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	1.0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

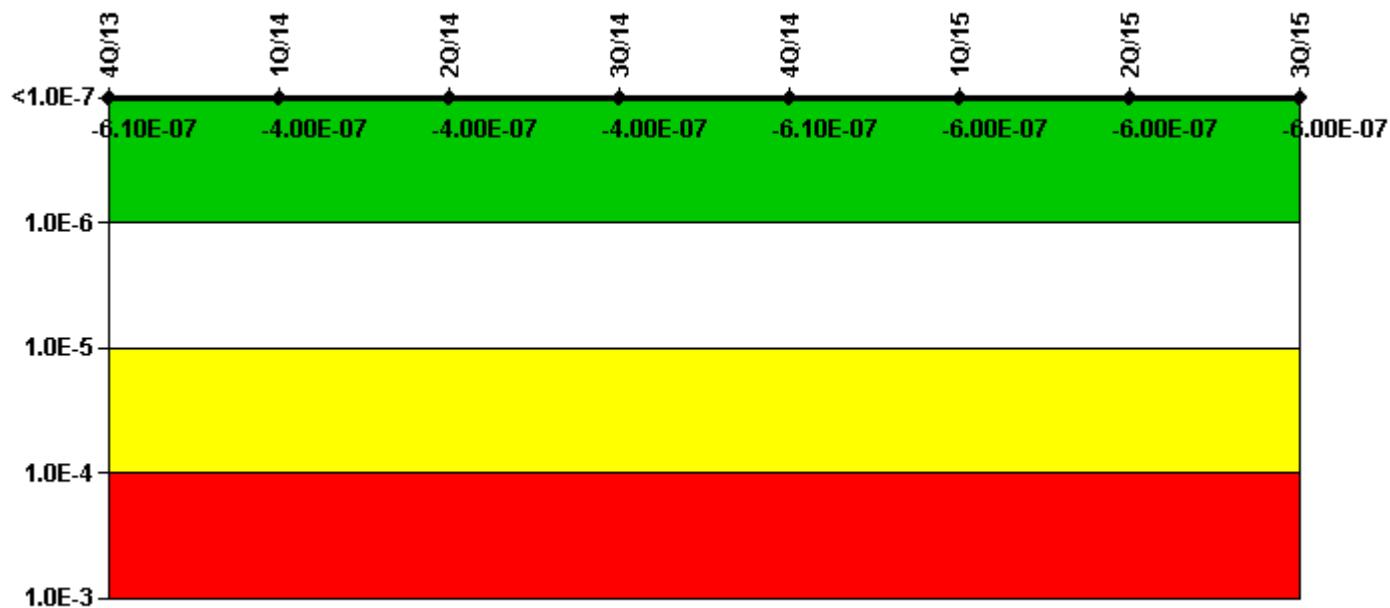
#### Notes

Safety System Functional Failures (PWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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:

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

## Mitigating Systems Performance Index, Emergency AC Power System



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

### Notes

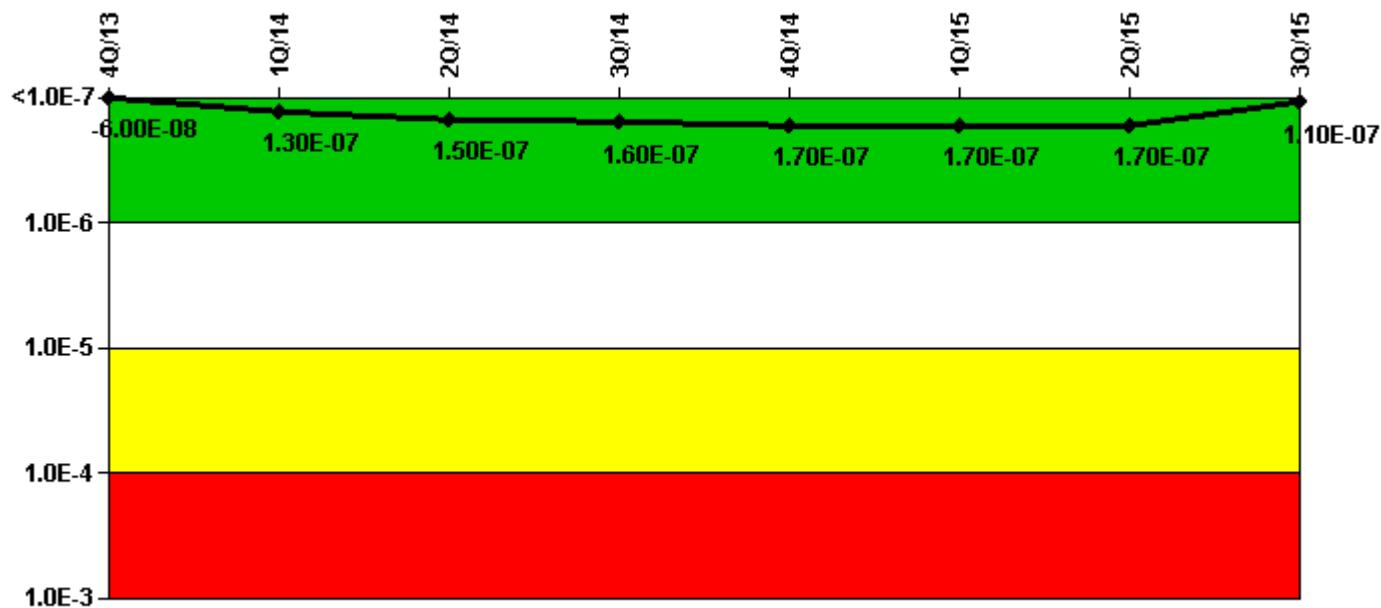
Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-4.86E-08	-3.59E-08	-3.59E-08	-3.59E-08	-5.36E-08	-4.46E-08	-3.76E-08	-3.76E-08
URI ( $\Delta$ CDF)	-5.59E-07	-3.60E-07	-3.60E-07	-3.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE	NO							
<b>Indicator value</b>	<b>-6.10E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: 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

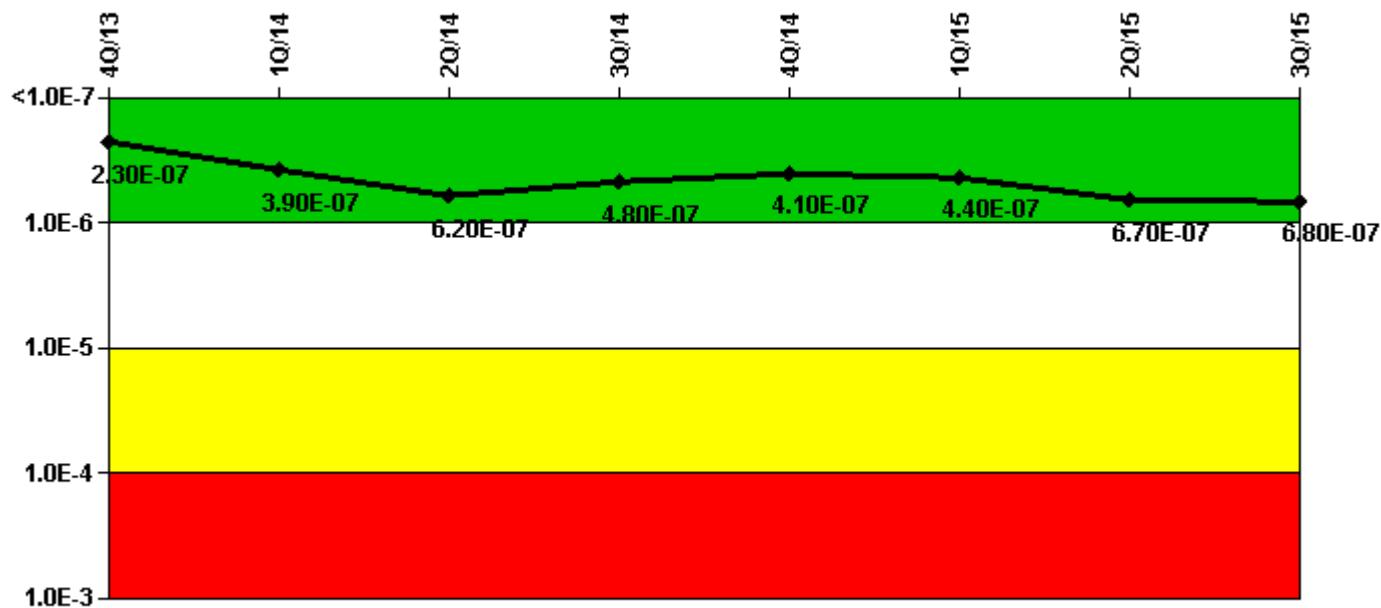
Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-3.22E-08	1.56E-07	1.82E-07	1.85E-07	1.95E-07	1.94E-07	1.96E-07	1.37E-07
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-6.00E-08</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Heat Removal System



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

### Notes

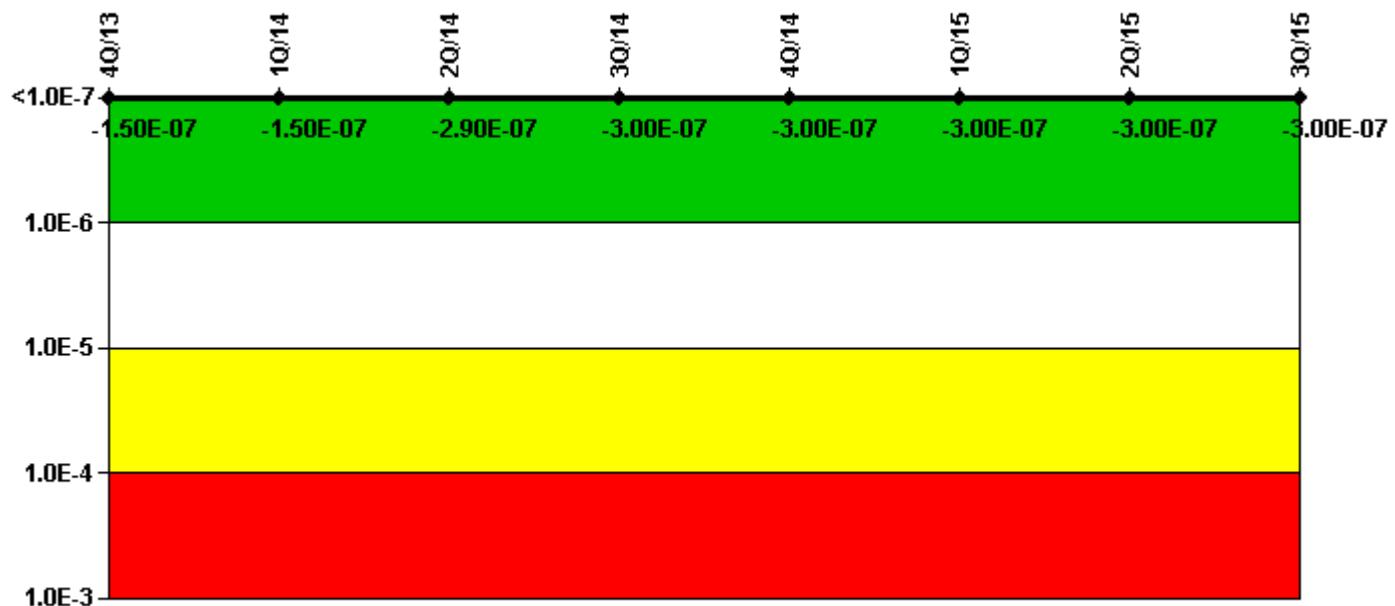
Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-6.99E-09	1.51E-07	1.63E-07	2.51E-07	1.87E-07	2.18E-07	2.21E-07	2.35E-07
URI ( $\Delta$ CDF)	2.36E-07	2.36E-07	4.58E-07	2.30E-07	2.25E-07	2.25E-07	4.44E-07	4.44E-07
PLE	NO							
<b>Indicator value</b>	<b>2.30E-07</b>	<b>3.90E-07</b>	<b>6.20E-07</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Residual Heat Removal System



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

### Notes

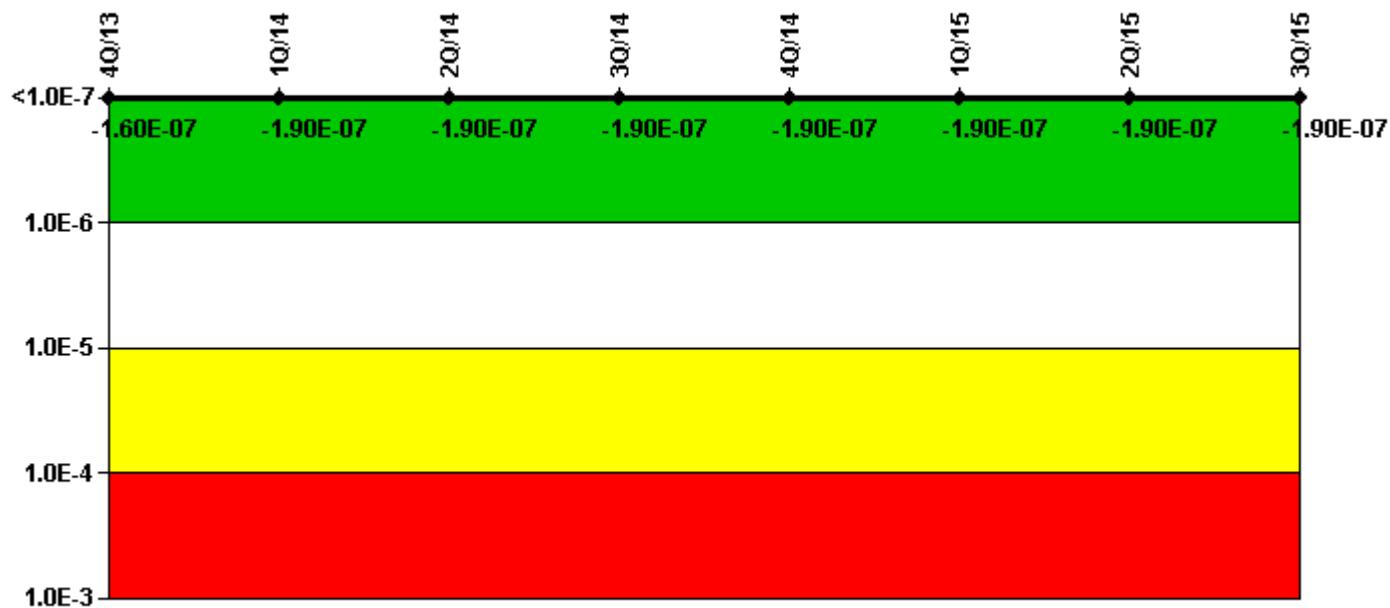
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	7.90E-08	7.34E-08	-6.44E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
URI ( $\Delta$ CDF)	-2.25E-07							
PLE	NO							
Indicator value	<b>-1.50E-07</b>	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: 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

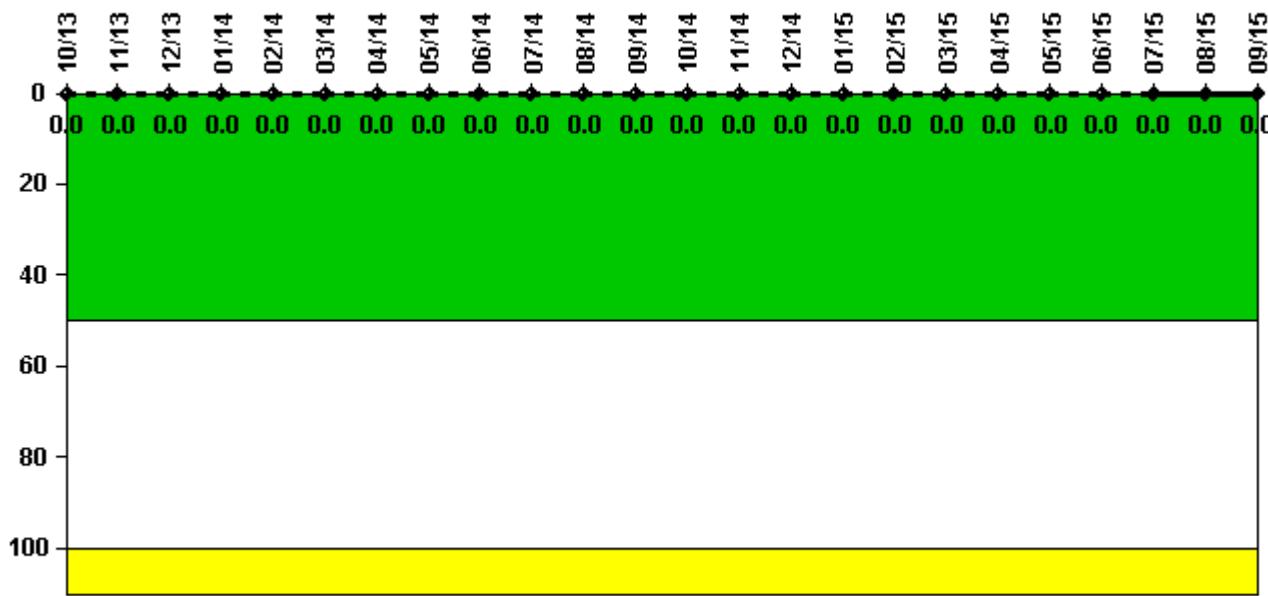
Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	5.48E-08	1.67E-08	1.86E-08	1.81E-08	1.84E-08	2.38E-08	2.30E-08	2.33E-08
URI ( $\Delta$ CDF)	-2.12E-07							
PLE	NO							
<b>Indicator value</b>	<b>-1.60E-07</b>	<b>-1.90E-07</b>						

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

4Q/13: Changed PRA Parameter(s).

## Reactor Coolant System Activity



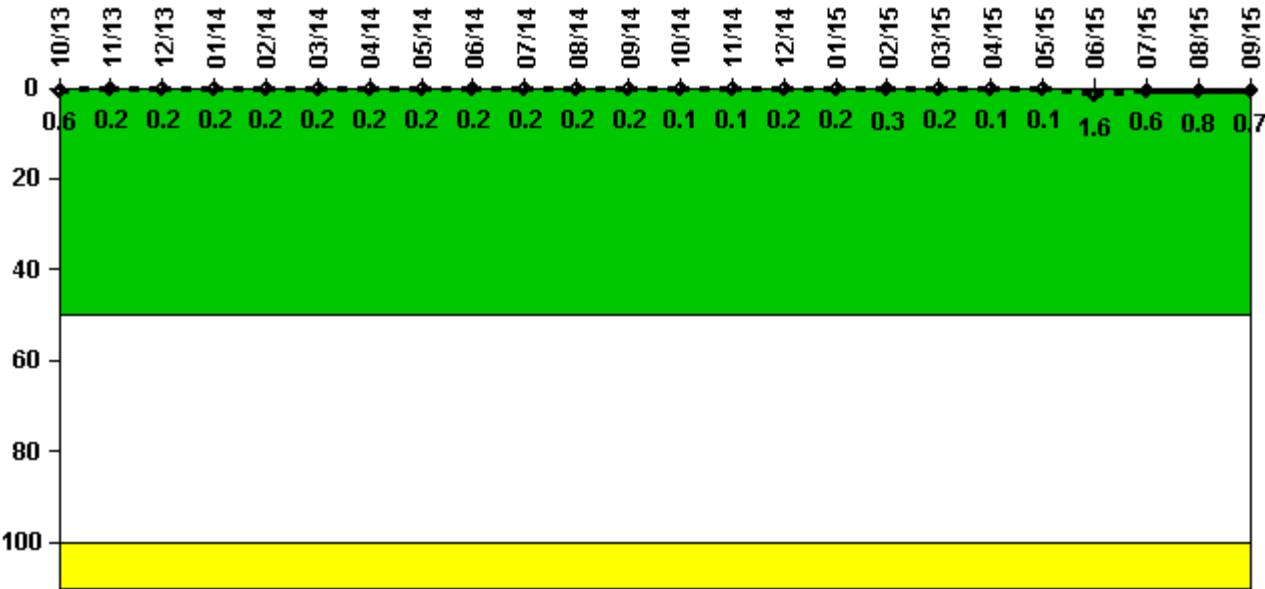
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000037	0.000037	0.000040	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	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	0.000169	0.000019	0.000027	0.000029	0.000034	0.000038	0.000032	0.000037	0.000038	0.000046	0.000042	0.000037
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



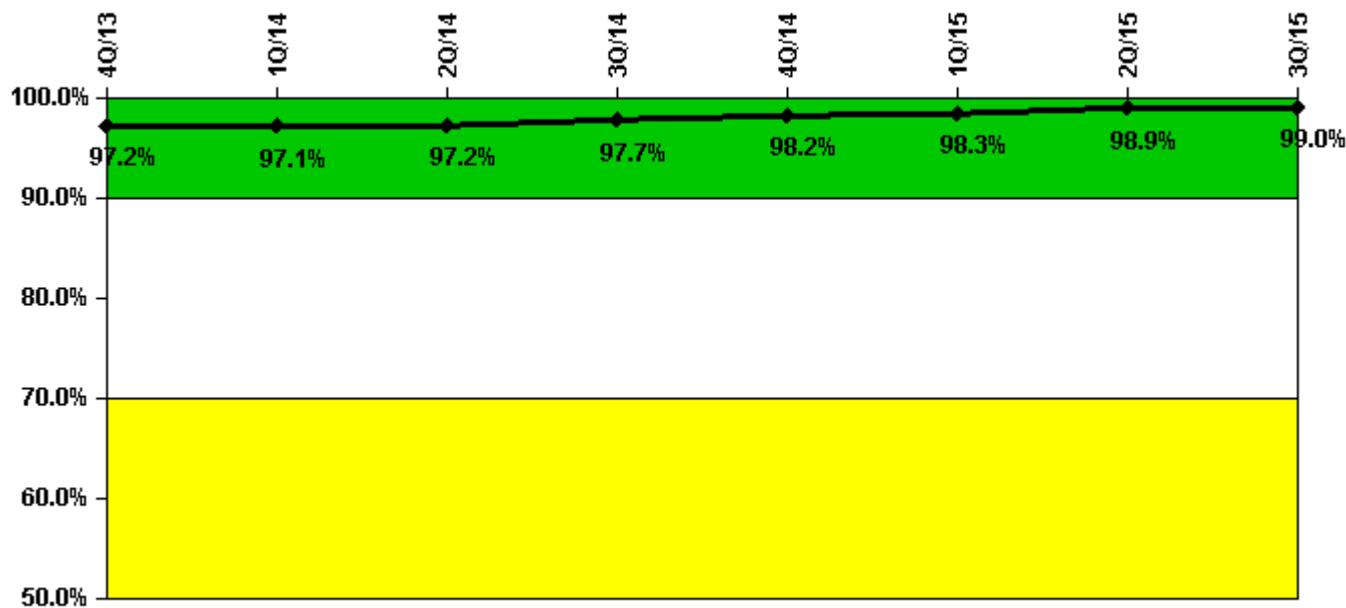
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.055	0.015	0.019	0.017	0.016	0.019	0.018	0.017	0.015	0.019	0.024	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.6</b>	<b>0.2</b>										
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	0.012	0.012	0.019	0.018	0.025	0.021	0.014	0.014	0.156	0.059	0.077	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>1.6</b>	<b>0.6</b>	<b>0.8</b>	<b>0.7</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

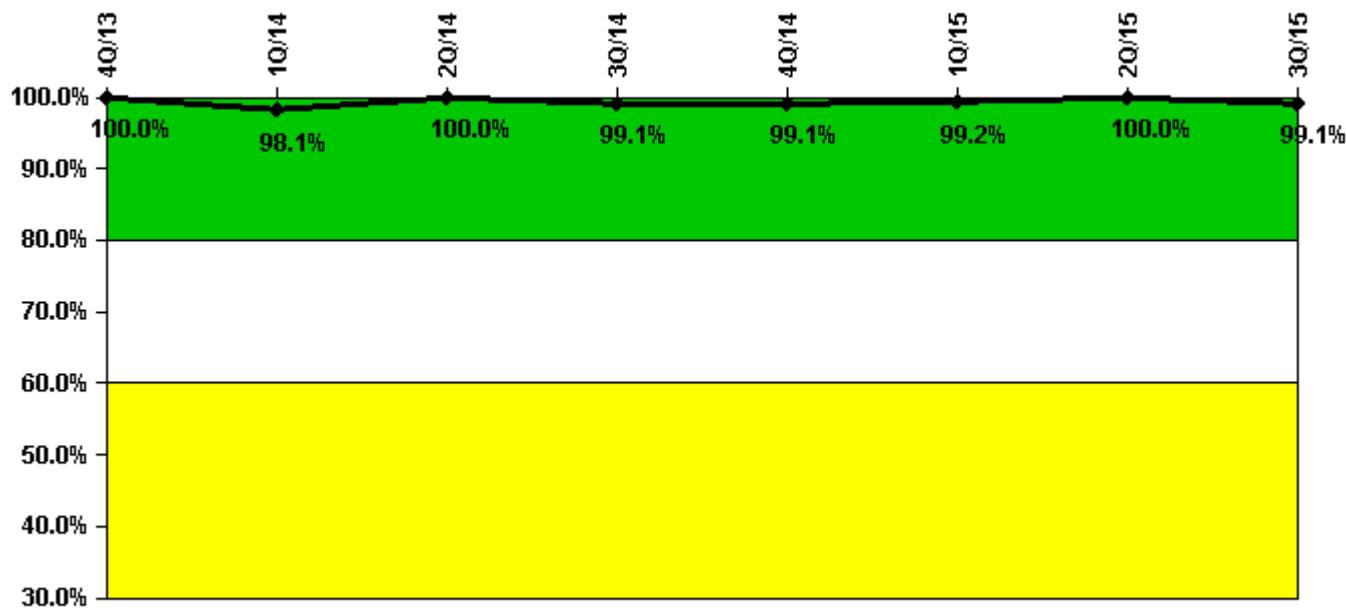
#### Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	18.0	27.0	24.0	52.0	20.0	63.0	22.0	59.0
Total opportunities	18.0	28.0	25.0	52.0	20.0	63.0	23.0	59.0
<b>Indicator value</b>	<b>97.2%</b>	<b>97.1%</b>	<b>97.2%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>98.9%</b>	<b>99.0%</b>

Licensee Comments: none

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### ERO Drill Participation



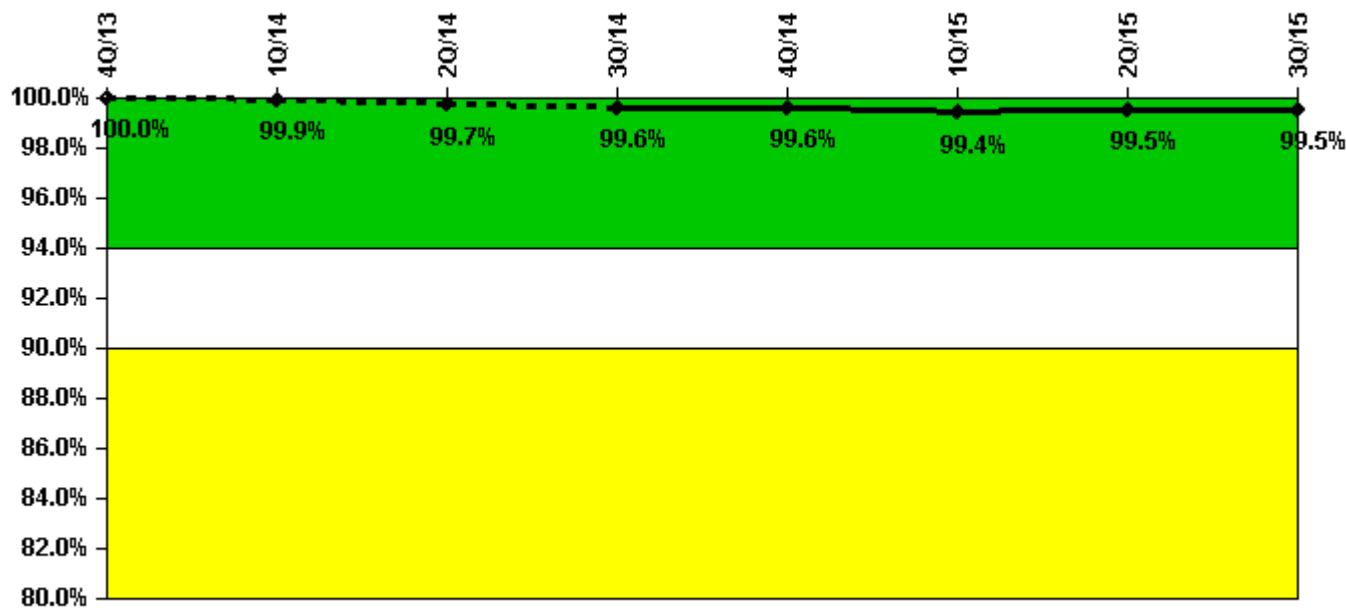
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	121.0	103.0	109.0	110.0	114.0	118.0	115.0	114.0
Total Key personnel	121.0	105.0	109.0	111.0	115.0	119.0	115.0	115.0
<b>Indicator value</b>	<b>100.0%</b>	<b>98.1%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>

Licensee Comments: none

## Alert & Notification System



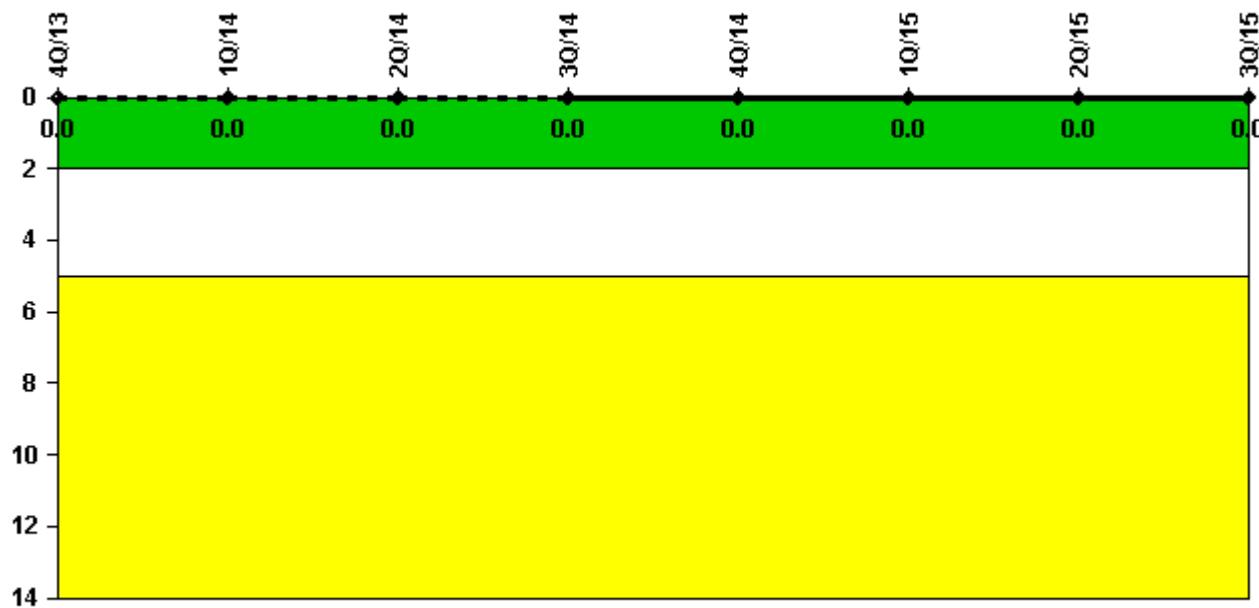
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	42	1156	1043	1151	1151	1148	1154	1150
Total sirens-tests	42	1157	1049	1157	1157	1157	1157	1157
<b>Indicator value</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>

Licensee Comments: none

## Occupational Exposure Control Effectiveness



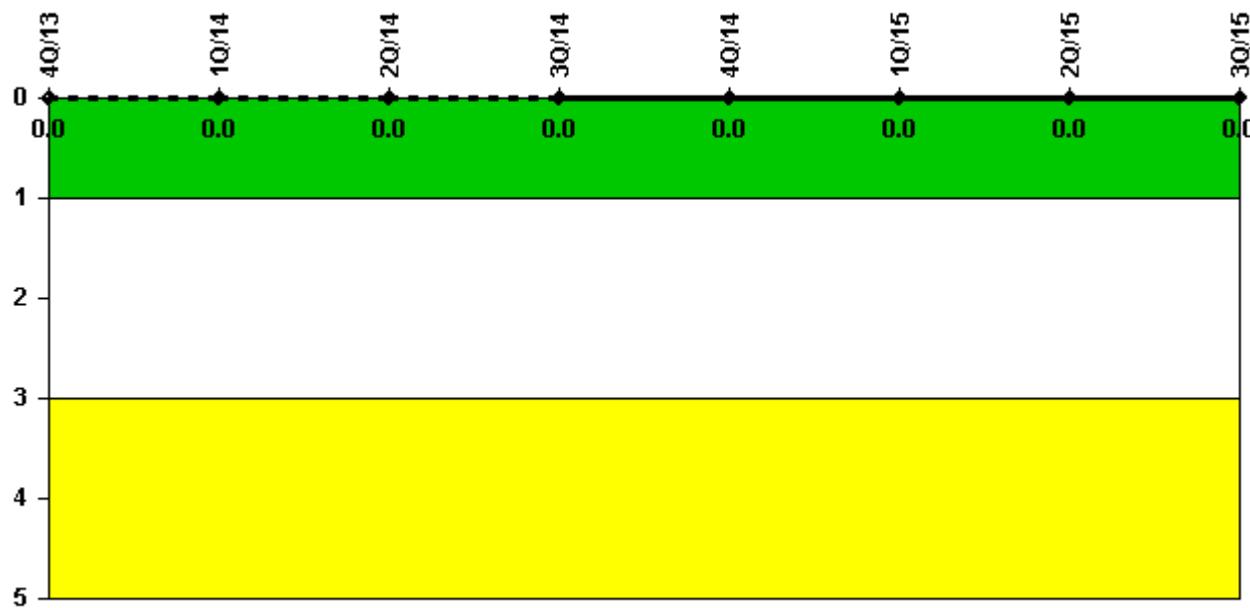
Thresholds: White > 2.0 Yellow > 5.0

### 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	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/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

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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.

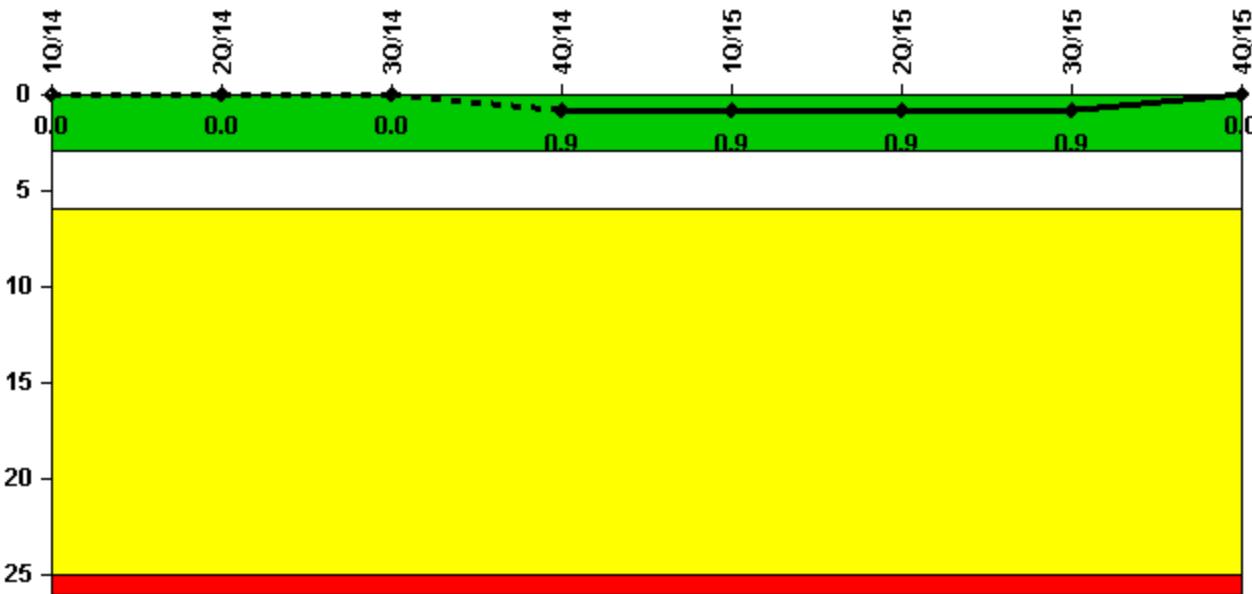
 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: December 15, 2015*

**Farley 2****4Q/2015 Performance Indicators**

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**

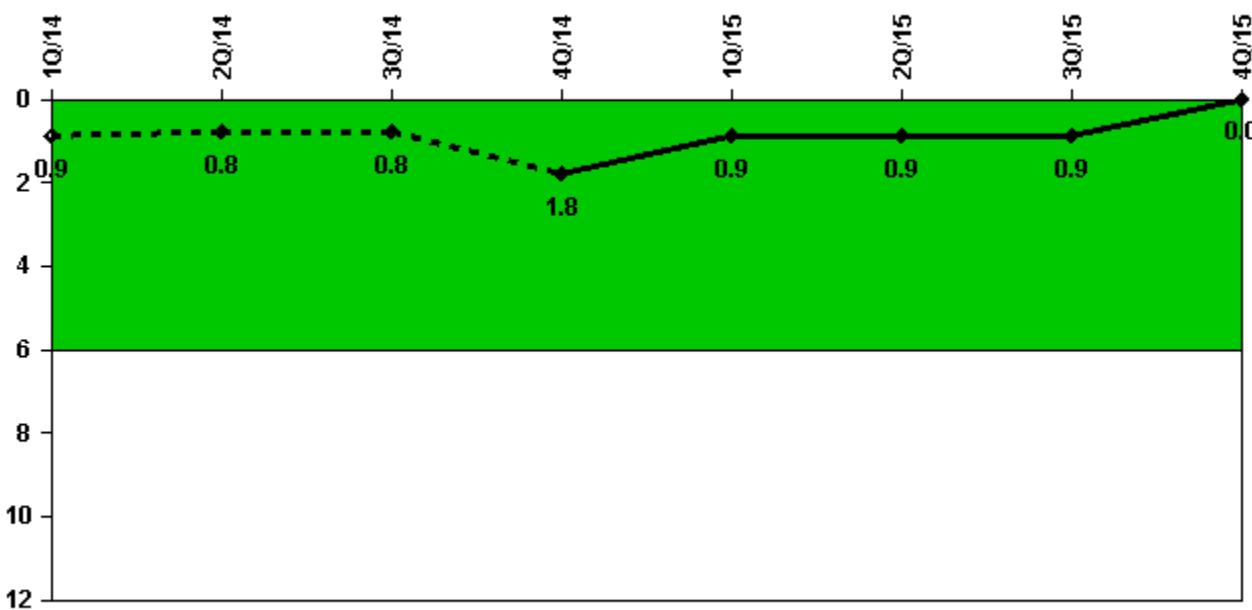
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**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	1.0	0	0	0	0
Critical hours	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2
Indicator value	0	0	0	0.9	0.9	0.9	0.9	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



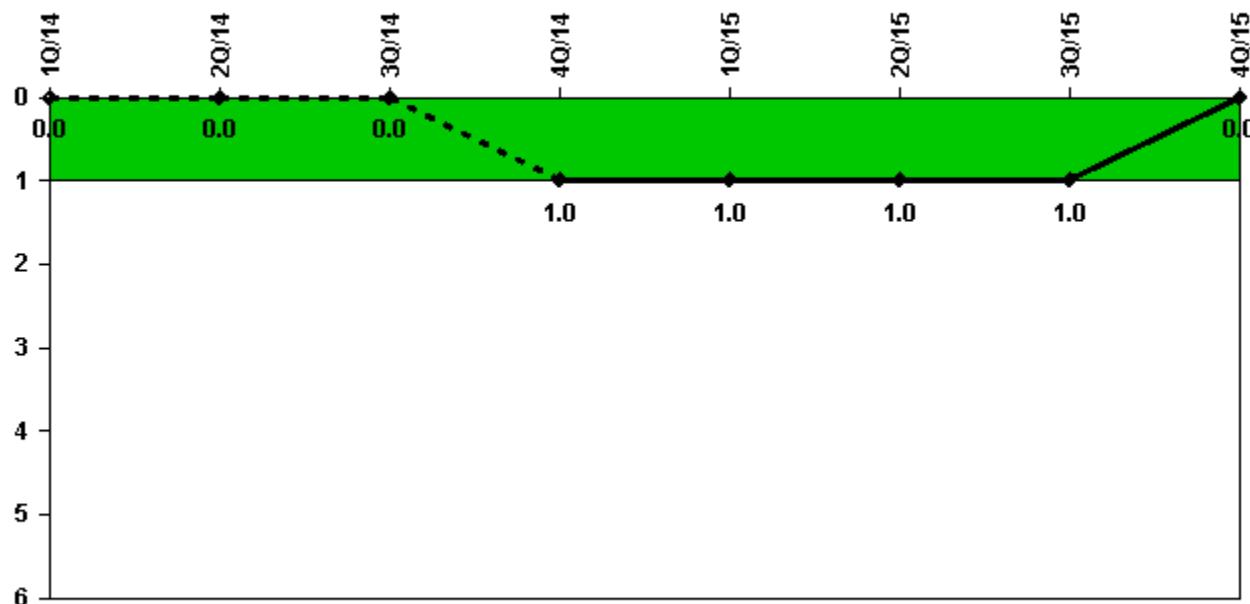
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	2084.4	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2
<b>Indicator value</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

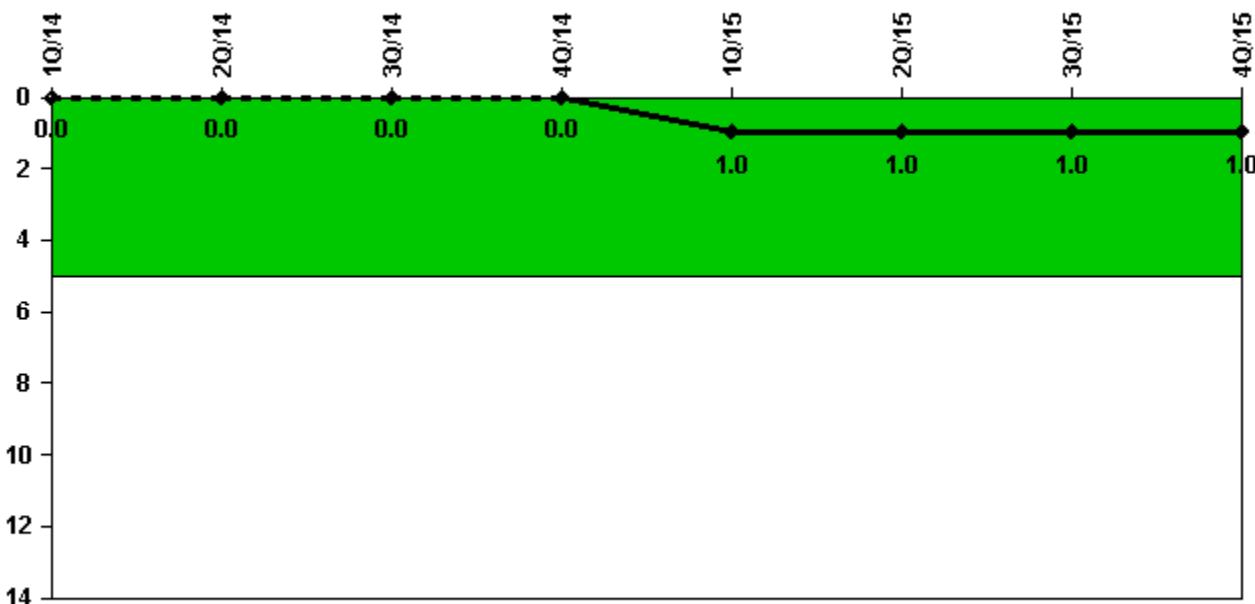
#### Notes

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	1.0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

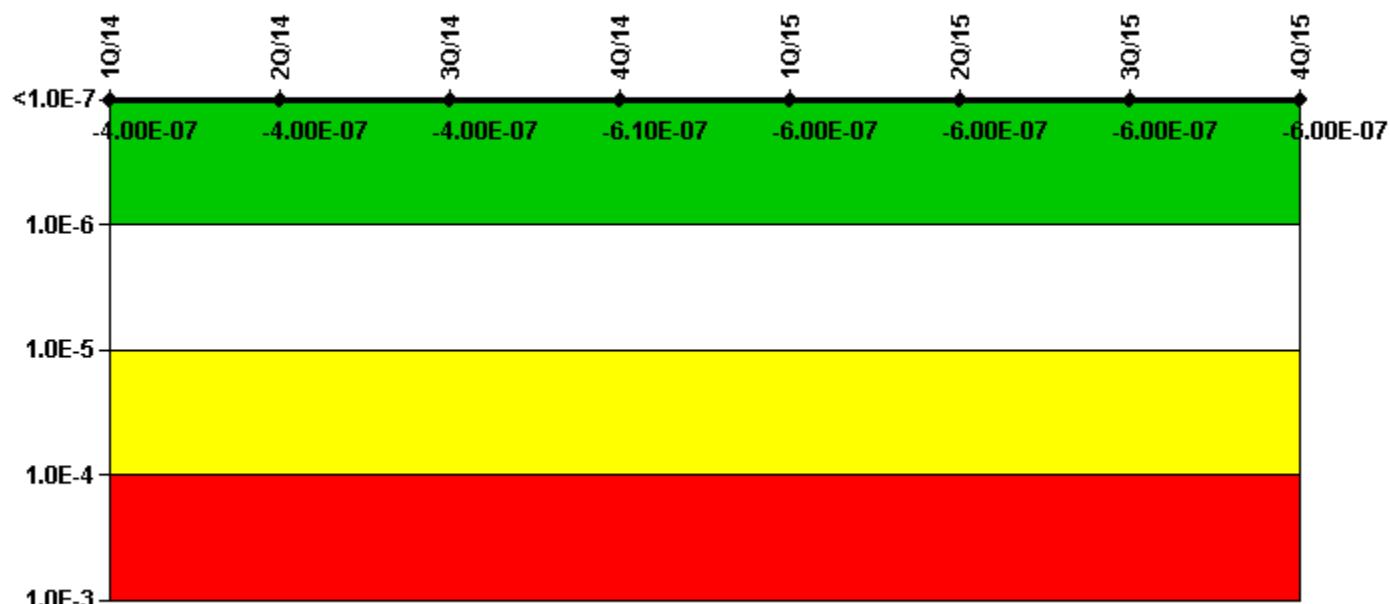
### Notes

Safety System Functional Failures (PWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/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:

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

## Mitigating Systems Performance Index, Emergency AC Power System



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

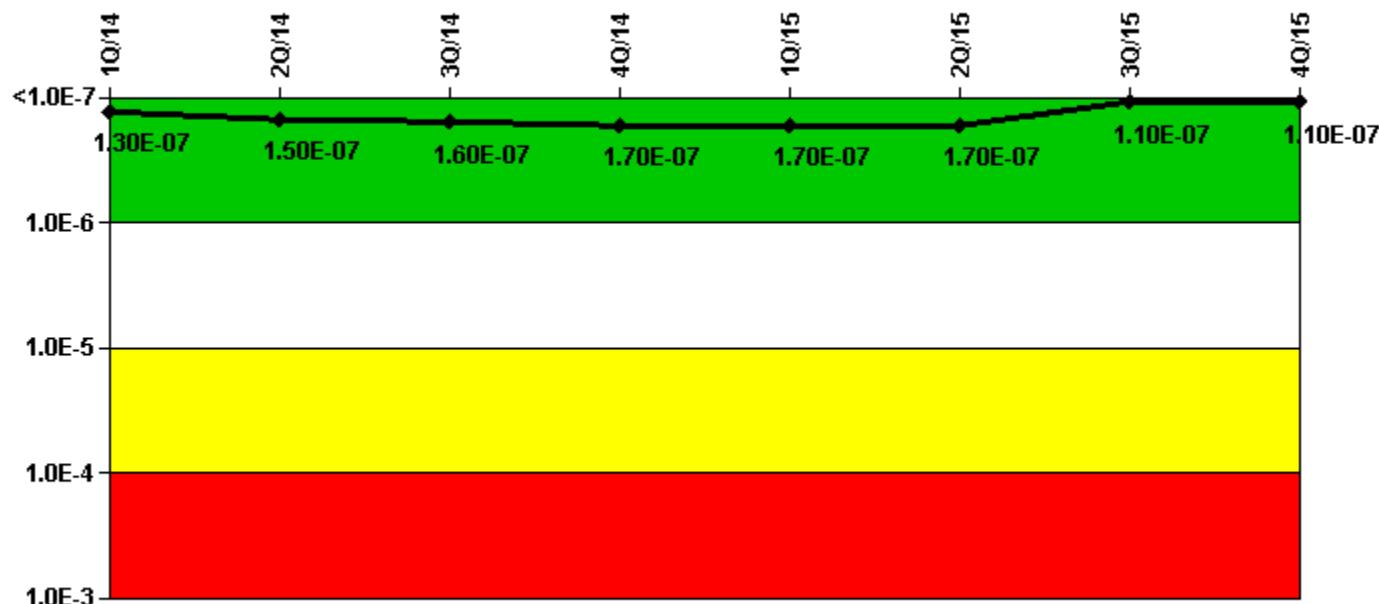
### Notes

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)	-3.59E-08	-3.59E-08	-3.59E-08	-5.36E-08	-4.46E-08	-3.76E-08	-3.76E-08	-3.75E-08
URI ( $\Delta$ CDF)	-3.60E-07	-3.60E-07	-3.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE	NO							
Indicator value	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>

Licensee Comments:

1Q/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

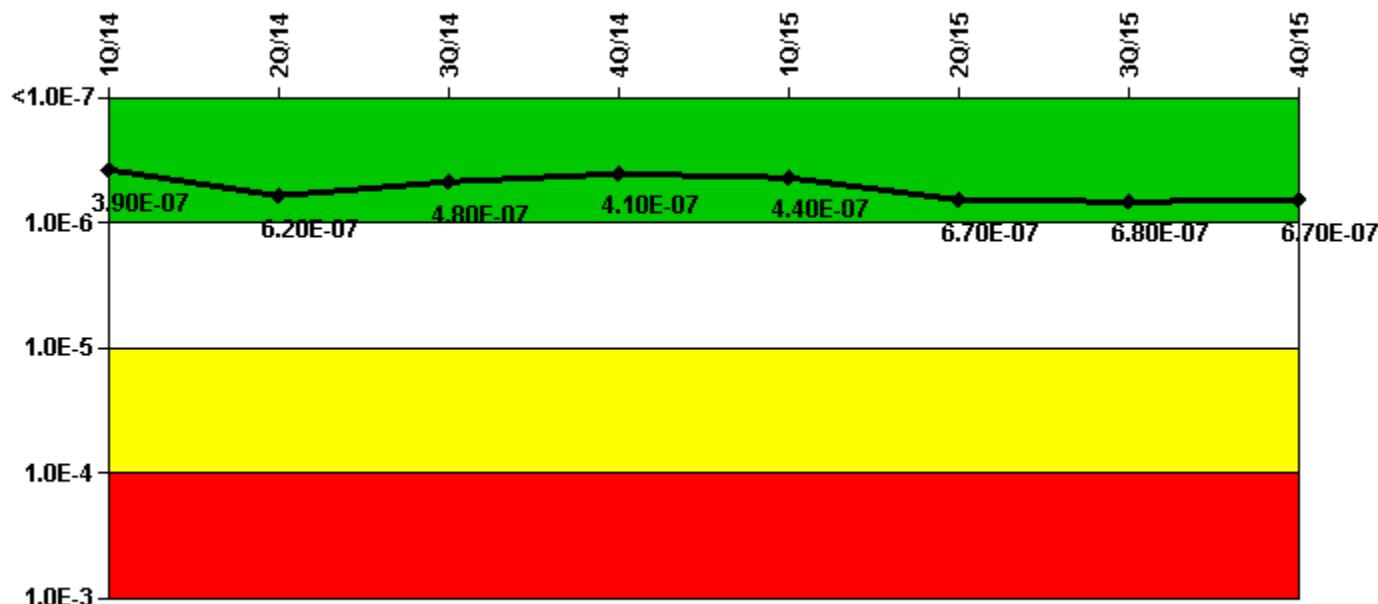
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	1.56E-07	1.82E-07	1.85E-07	1.95E-07	1.94E-07	1.96E-07	1.37E-07	1.40E-07
URI ( $\Delta$ CDF)	-2.82E-08							
PLE	NO							
<b>Indicator value</b>	<b>1.30E-07</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>	<b>1.10E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Heat Removal System



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

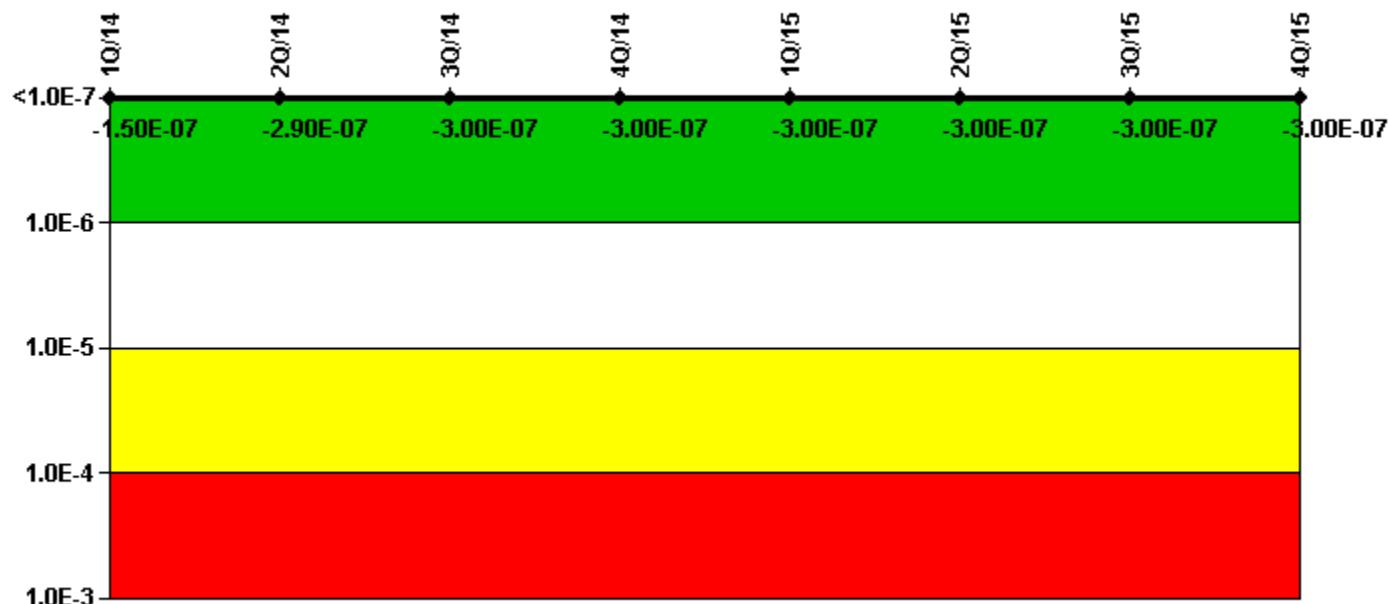
### Notes

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)	1.51E-07	1.63E-07	2.51E-07	1.87E-07	2.18E-07	2.21E-07	2.35E-07	2.22E-07
URI ( $\Delta$ CDF)	2.36E-07	4.58E-07	2.30E-07	2.25E-07	2.25E-07	4.44E-07	4.44E-07	4.44E-07
PLE	NO							
<b>Indicator value</b>	<b>3.90E-07</b>	<b>6.20E-07</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>	<b>6.70E-07</b>

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Residual Heat Removal System



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

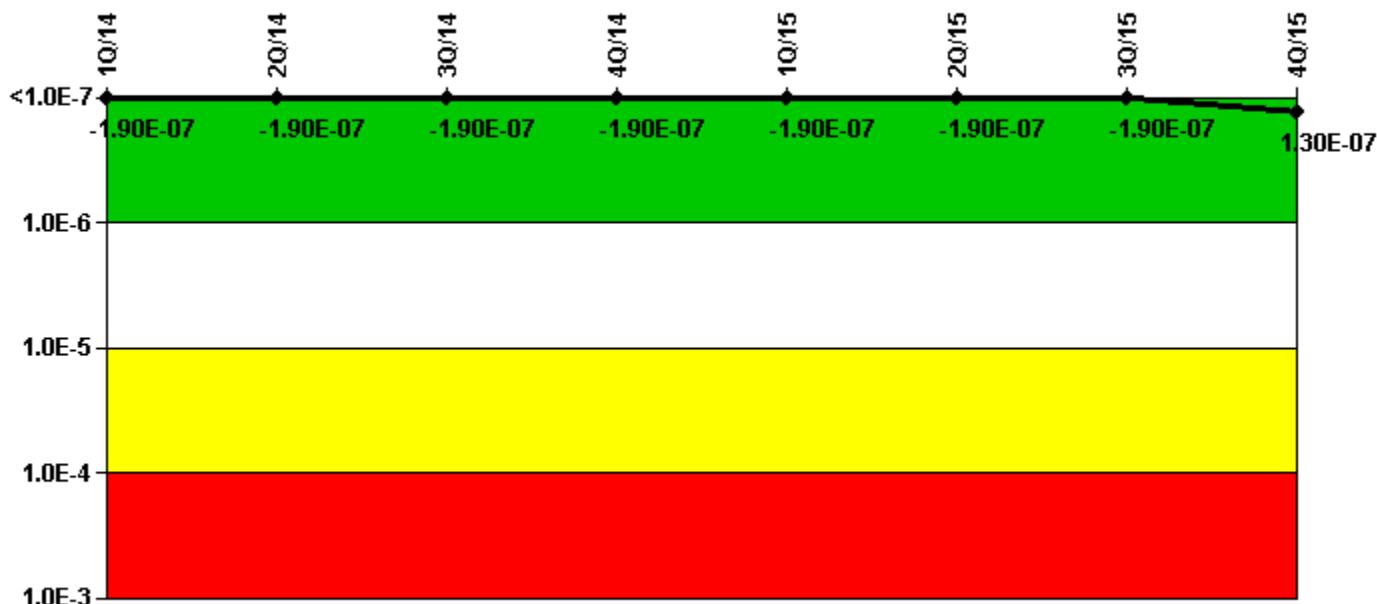
### Notes

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)	7.34E-08	-6.44E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
URI ( $\Delta$ CDF)	-2.25E-07							
PLE	NO							
Indicator value	<b>-1.50E-07</b>	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>

Licensee Comments:

1Q/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

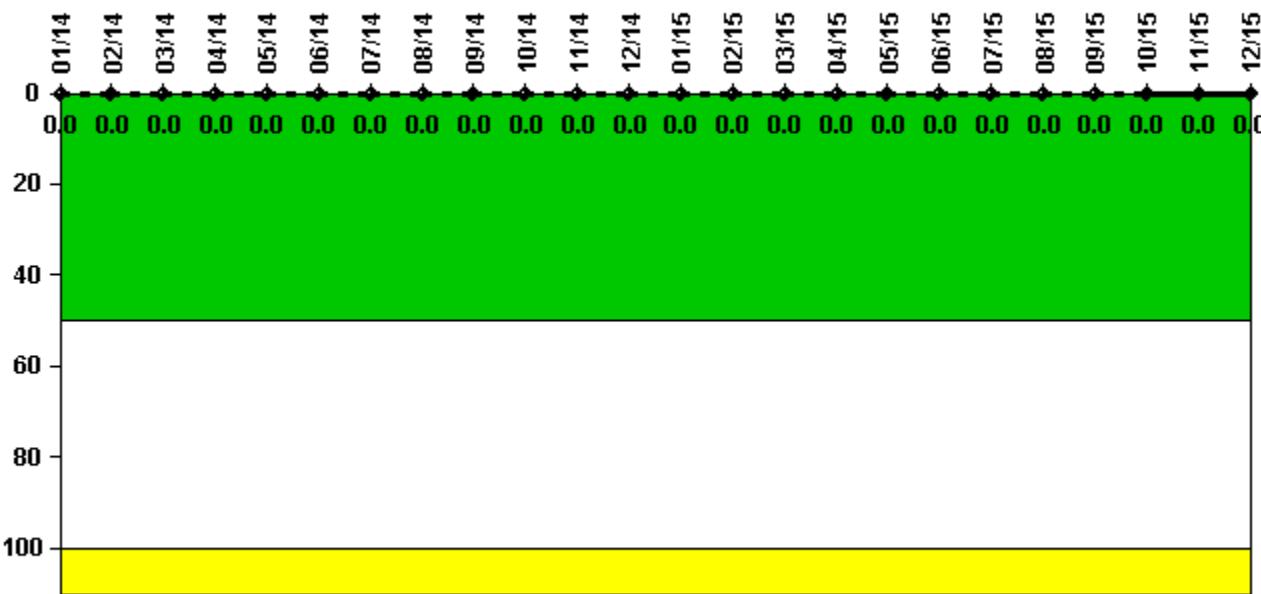
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	1.67E-08	1.86E-08	1.81E-08	1.84E-08	2.38E-08	2.30E-08	2.33E-08	2.71E-08
URI ( $\Delta$ CDF)	-2.12E-07	9.84E-08						
PLE	NO	NO						
Indicator value	<b>-1.90E-07</b>	<b>1.30E-07</b>						

Licensee Comments:

1Q/14: Changed PRA Parameter(s).

### Reactor Coolant System Activity



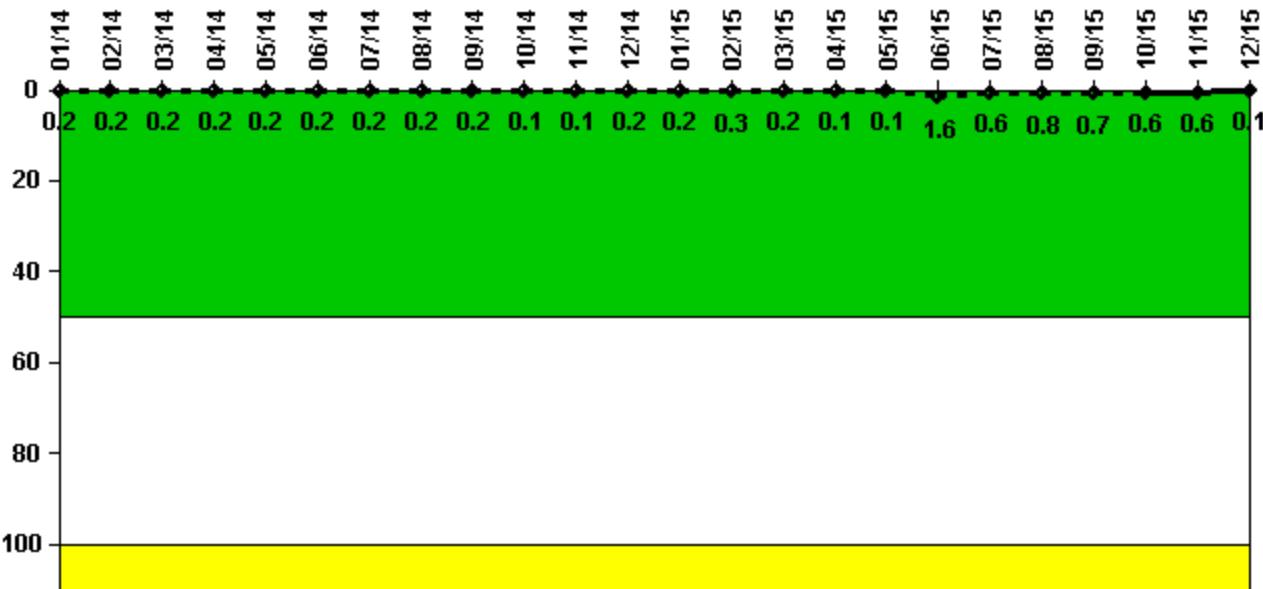
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000036	0.000038	0.000043	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	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	0.000029	0.000034	0.000038	0.000032	0.000037	0.000038	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



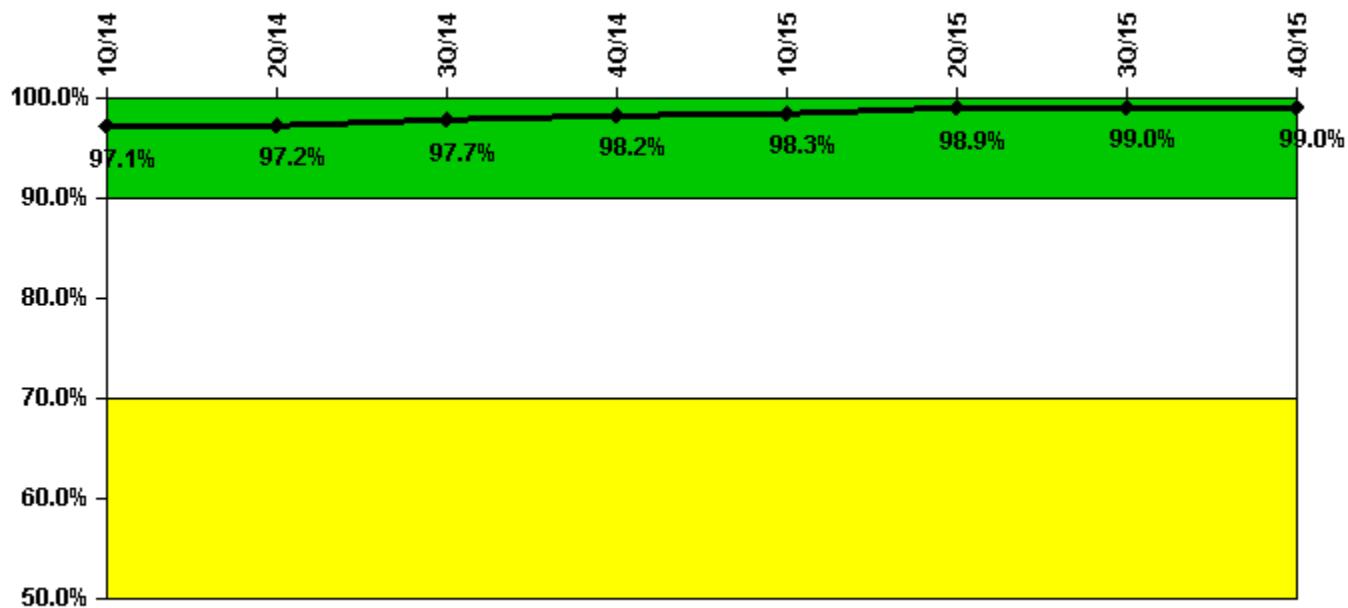
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.017	0.016	0.019	0.018	0.017	0.015	0.019	0.024	0.019	0.012	0.012	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>								
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	0.018	0.025	0.021	0.014	0.014	0.156	0.059	0.077	0.074	0.064	0.062	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>1.6</b>	<b>0.6</b>	<b>0.8</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.1</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

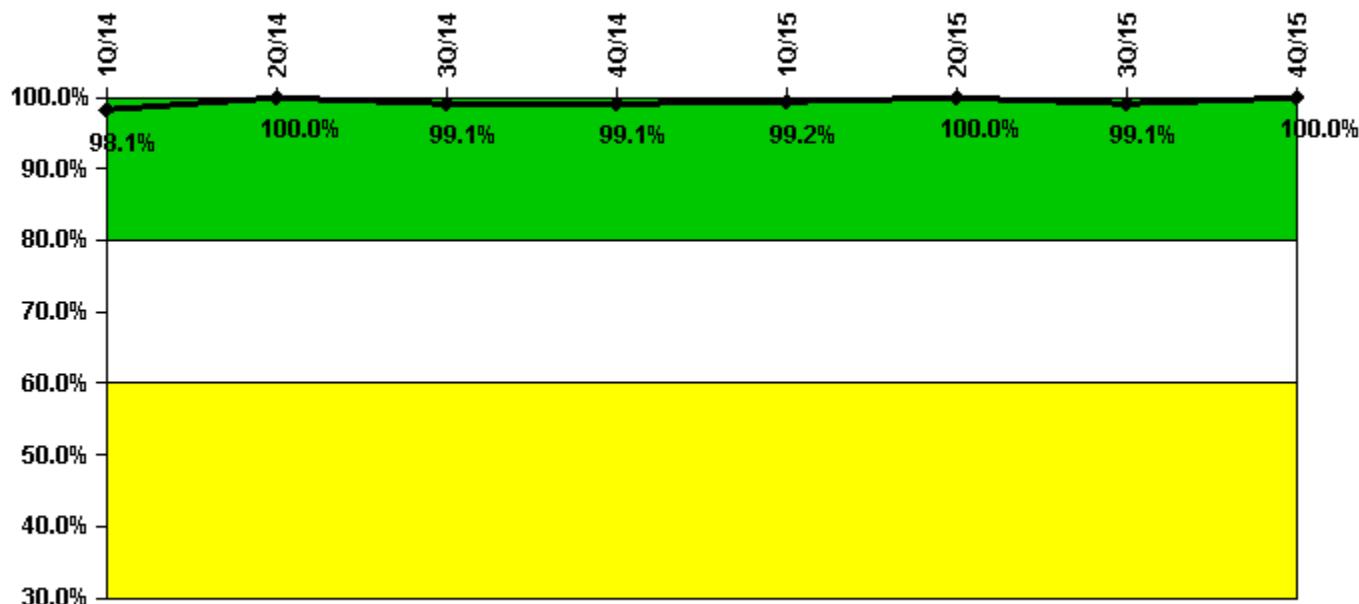
#### Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	27.0	24.0	52.0	20.0	63.0	22.0	59.0	22.0
Total opportunities	28.0	25.0	52.0	20.0	63.0	23.0	59.0	22.0
Indicator value	97.1%	97.2%	97.7%	98.2%	98.3%	98.9%	99.0%	99.0%

Licensee Comments: none

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### **ERO Drill Participation**



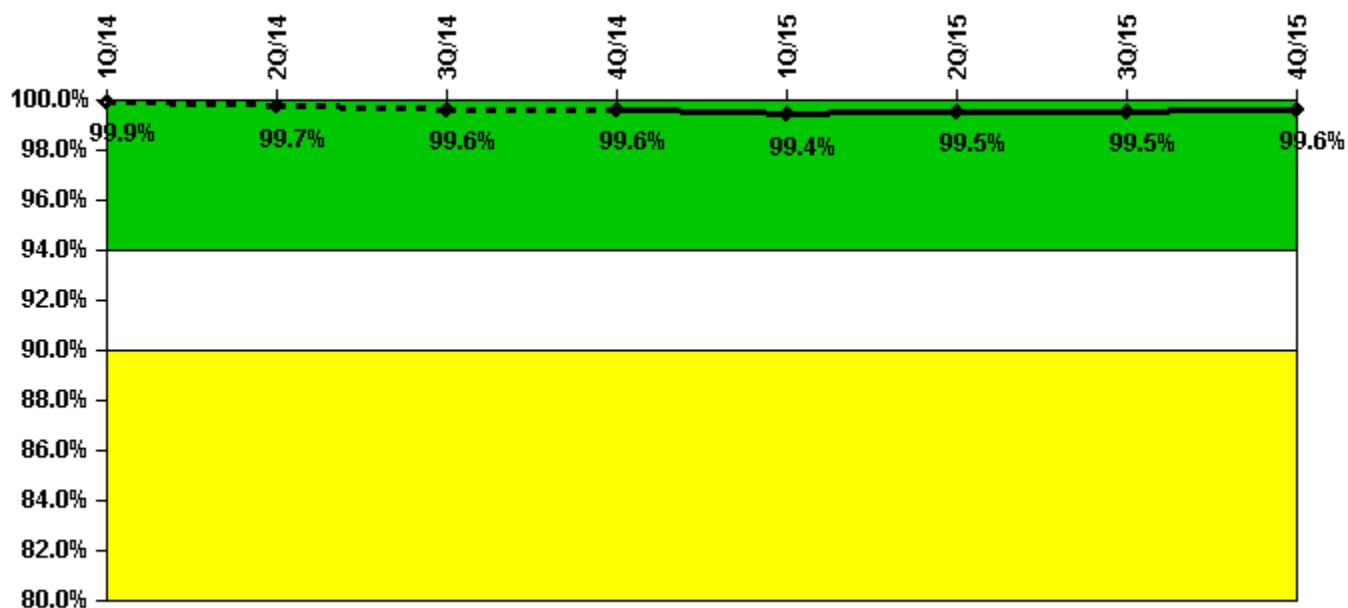
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>1Q/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	103.0	109.0	110.0	114.0	118.0	115.0	114.0	120.0
Total Key personnel	105.0	109.0	111.0	115.0	119.0	115.0	115.0	120.0
<b>Indicator value</b>	<b>98.1%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System



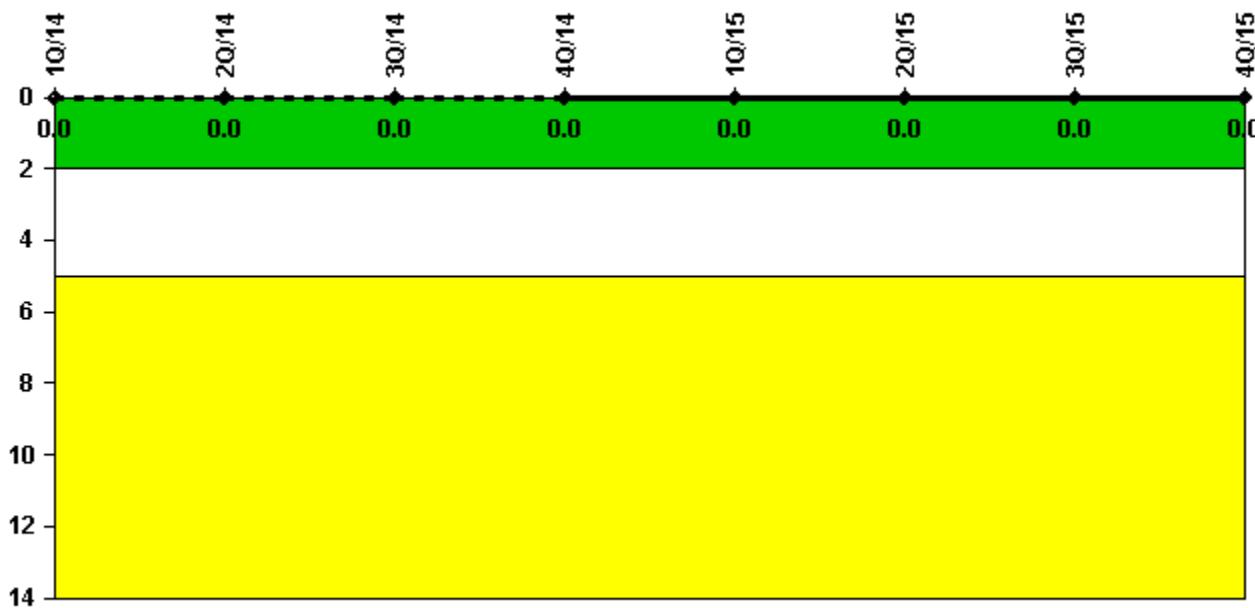
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	1156	1043	1151	1151	1148	1154	1150	1244
Total sirens-tests	1157	1049	1157	1157	1157	1157	1157	1246
<b>Indicator value</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.6%</b>

Licensee Comments: none

## **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

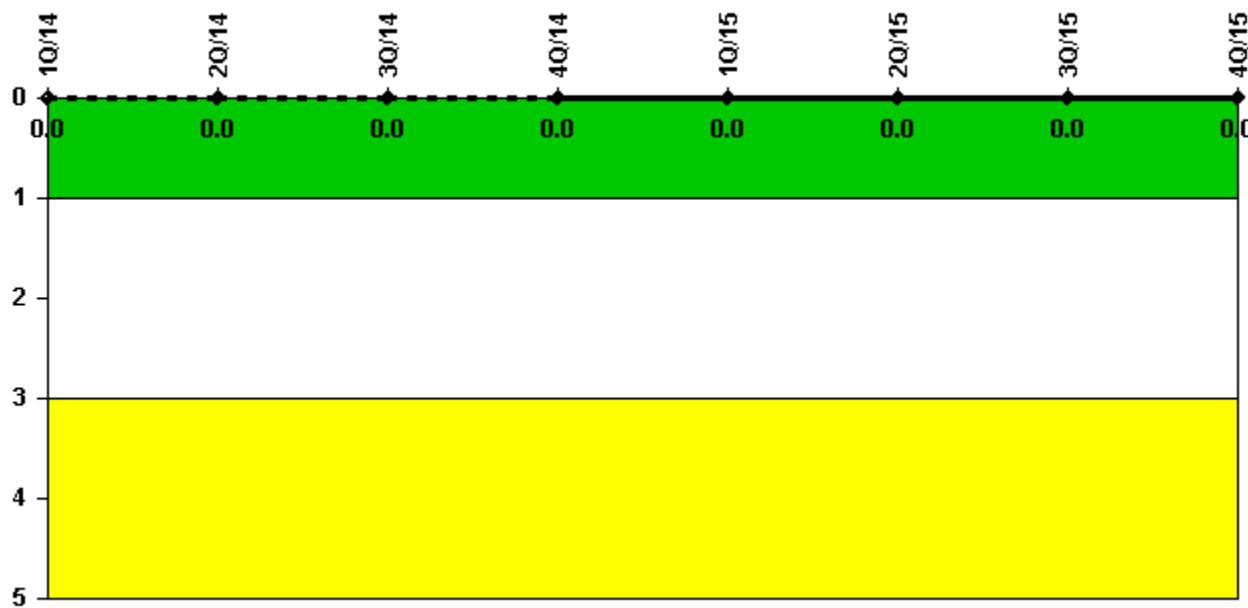
### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
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/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*

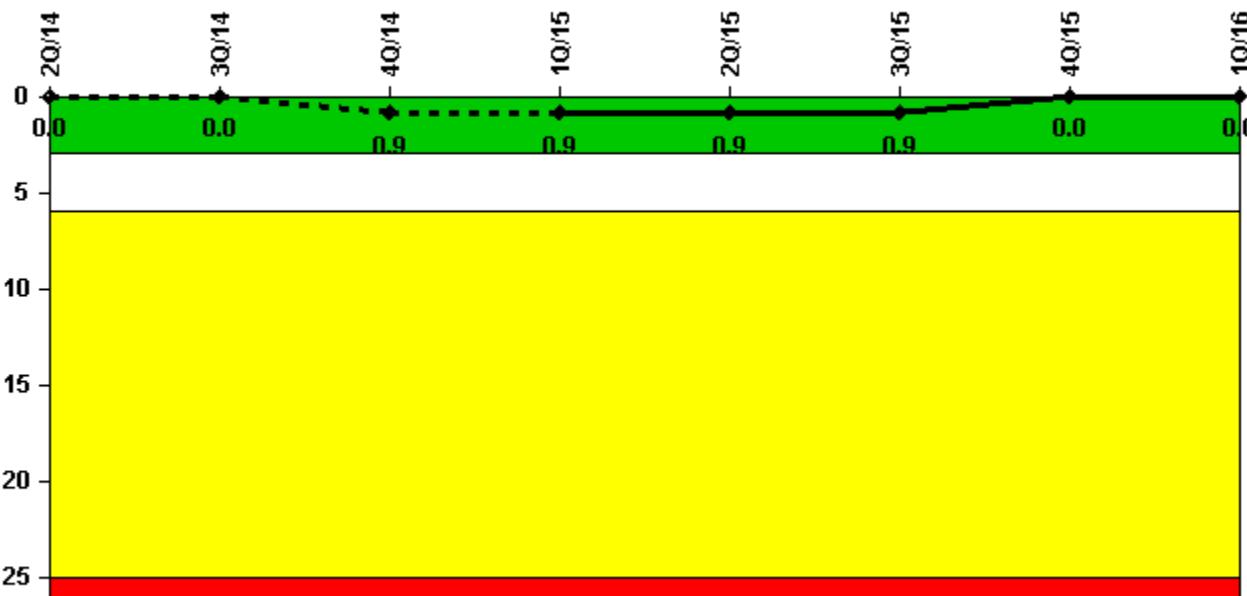
# Farley 2

## 1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

### Unplanned Scrams per 7000 Critical Hrs



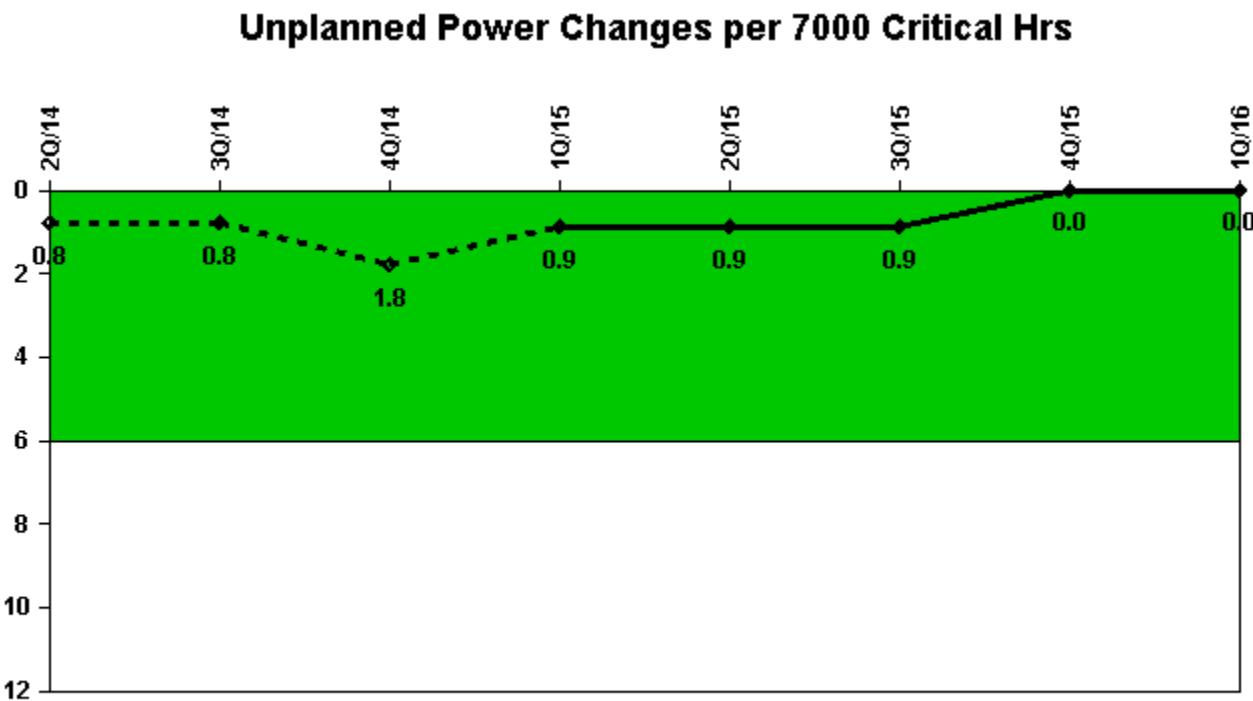
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0
Indicator value	0	0	0.9	0.9	0.9	0.9	0	0

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps.



Thresholds: White > 6.0

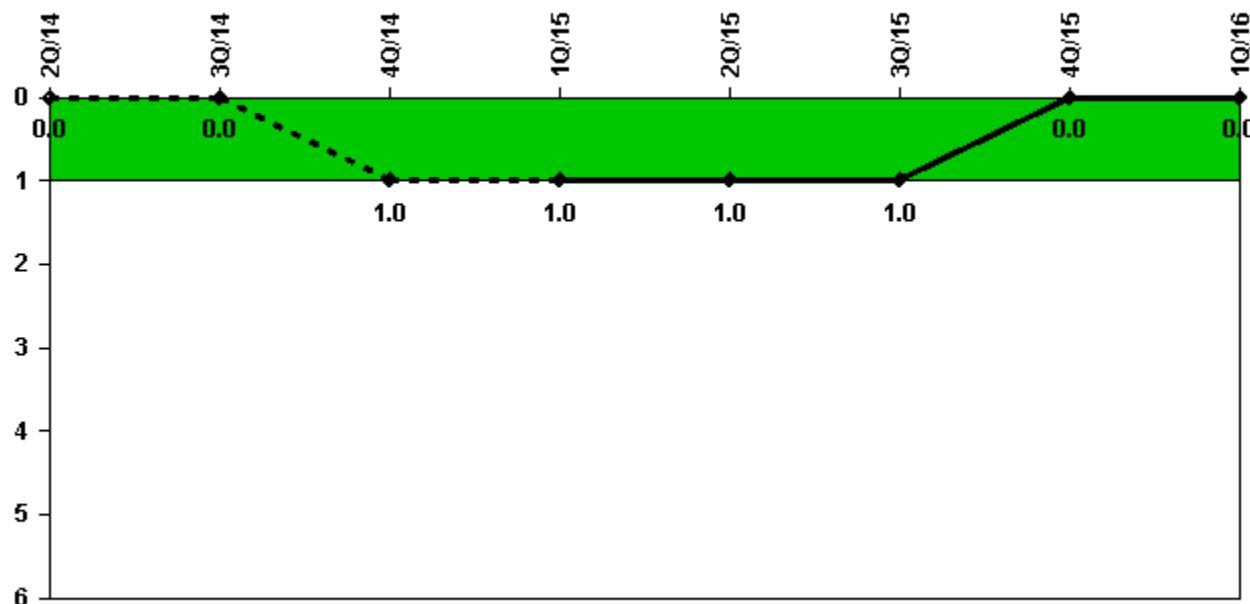
#### Notes

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	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0
Indicator value	<b>0.8</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>

Licensee Comments:

4Q/14: Unplanned losses due to a steam leak in CTMT.

### Unplanned Scrams with Complications



Thresholds: White > 1.0

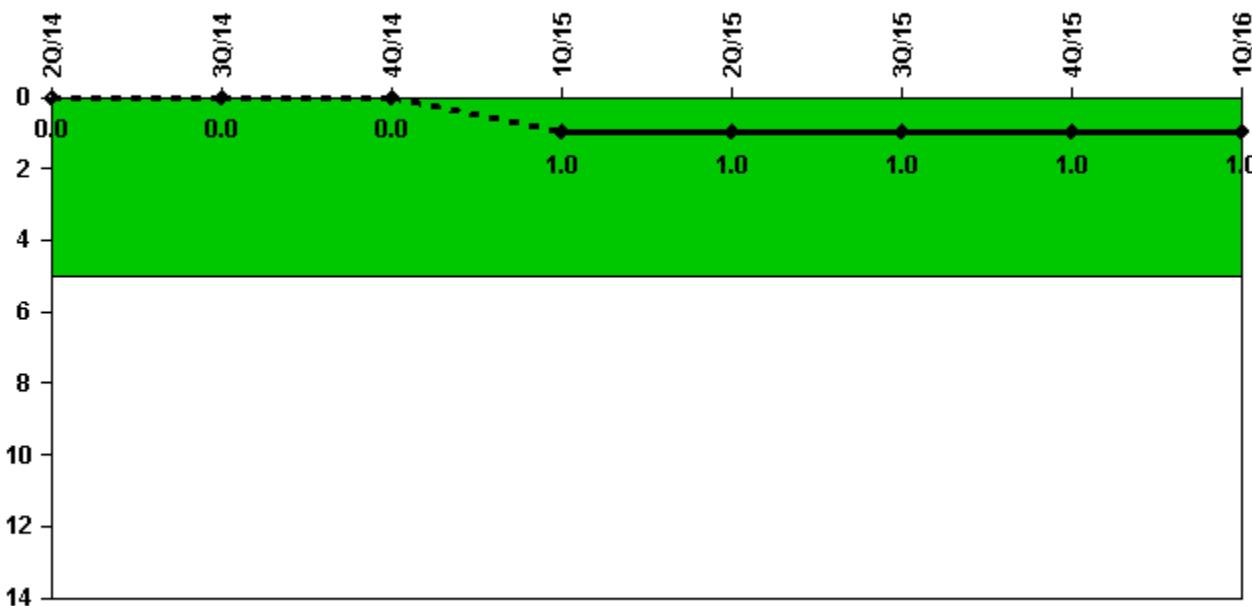
#### Notes

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	1.0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps. This event was considered a scram with complications due to the loss of power to an ESF bus.

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



Thresholds: White > 5.0

#### **Notes**

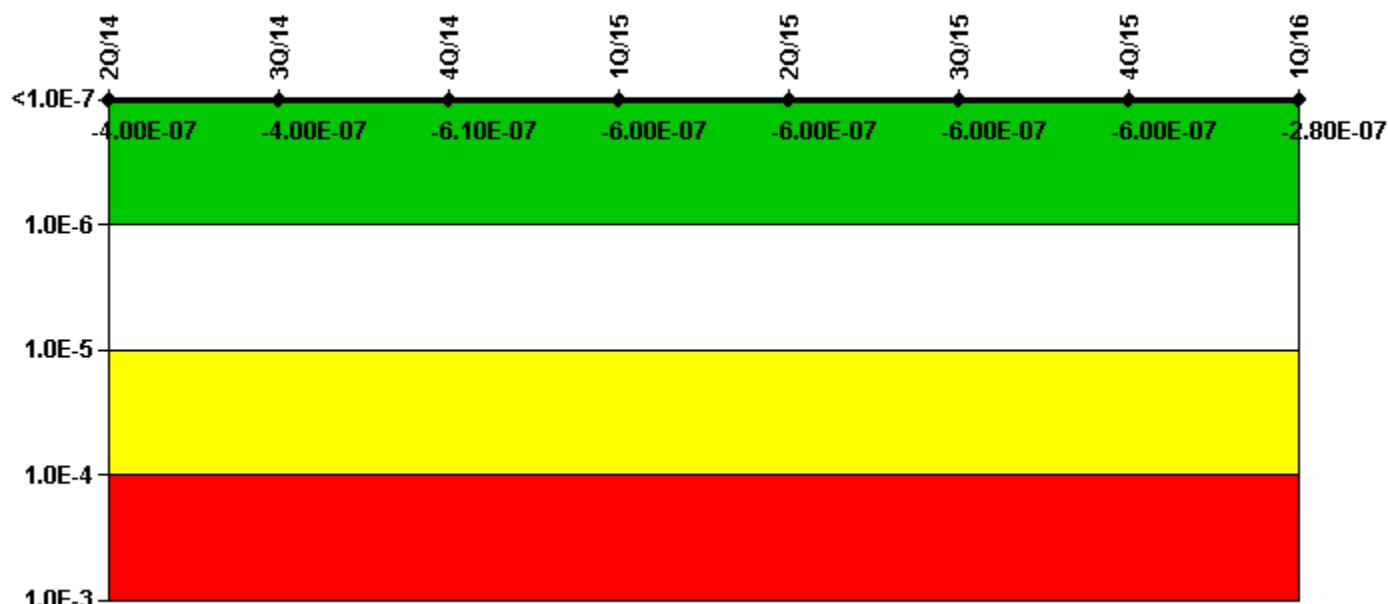
<b>Safety System Functional Failures (PWR)</b>	<b>2Q/14</b>	<b>3Q/14</b>	<b>4Q/14</b>	<b>1Q/15</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>
Safety System Functional Failures	0	0	0	1	0	0	0	1
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

#### Licensee Comments:

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

### Mitigating Systems Performance Index, Emergency AC Power System



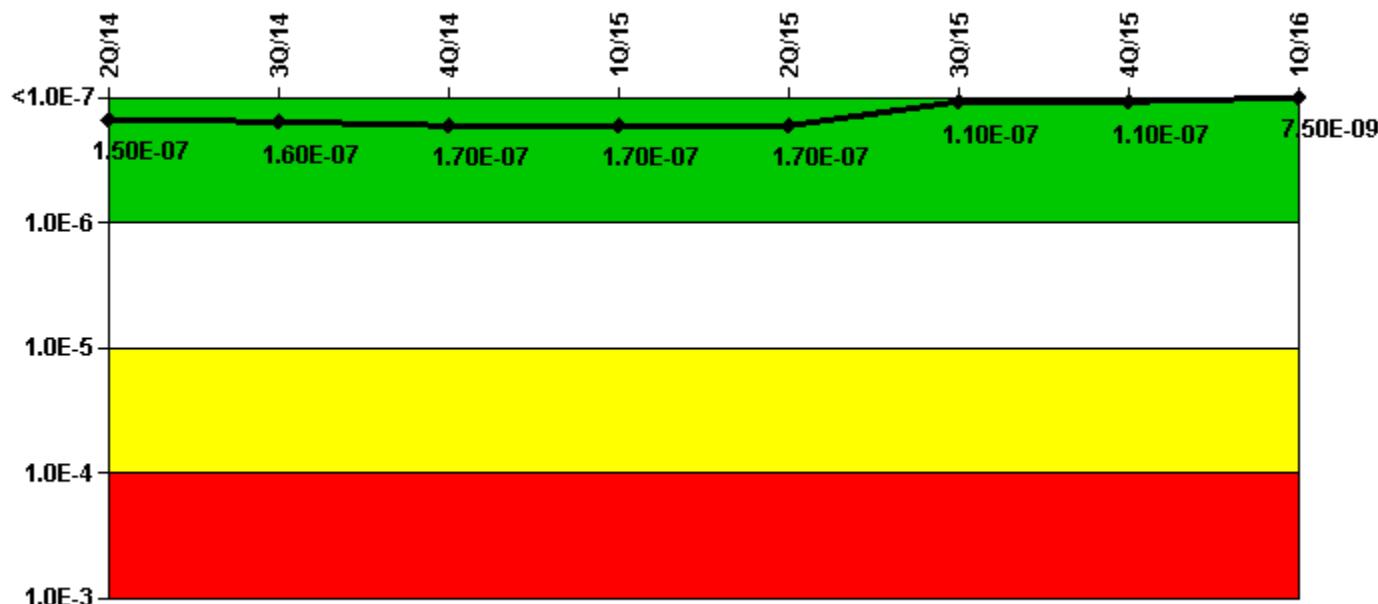
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### 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)	-3.59E-08	-3.59E-08	-5.36E-08	-4.46E-08	-3.76E-08	-3.76E-08	-3.75E-08	-3.03E-08
URI ( $\Delta$ CDF)	-3.60E-07	-3.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-2.47E-07
PLE	NO							
Indicator value	<b>-4.00E-07</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-2.80E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



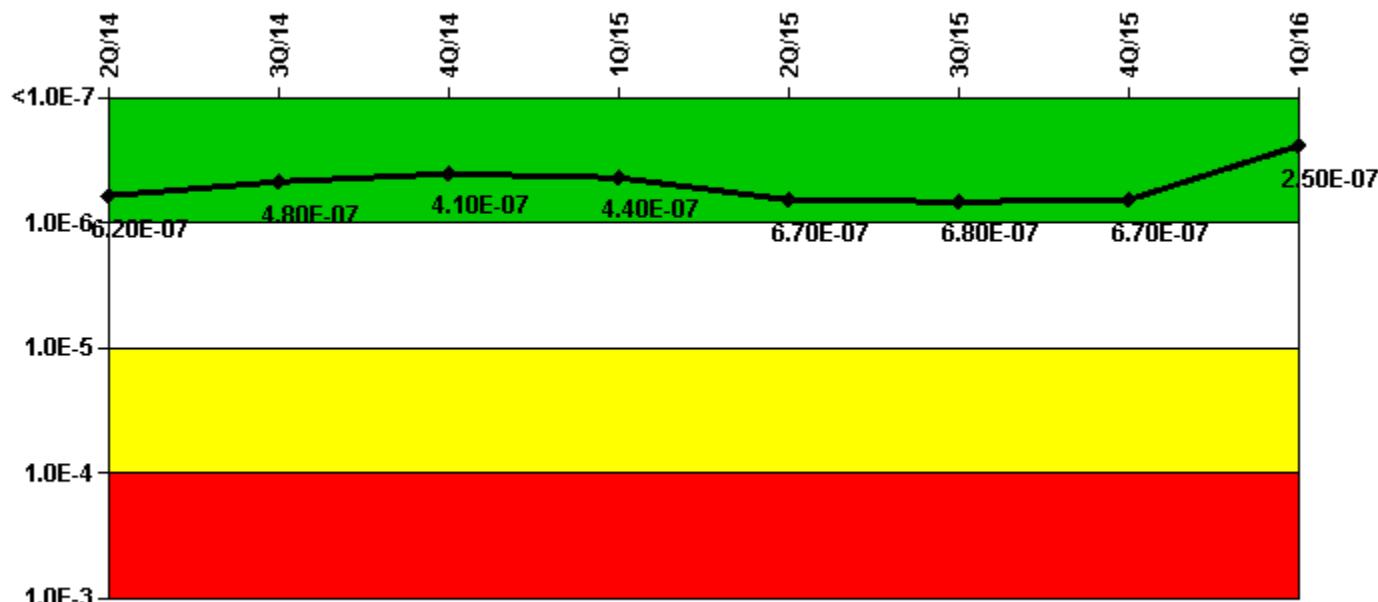
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.82E-07	1.85E-07	1.95E-07	1.94E-07	1.96E-07	1.37E-07	1.40E-07	2.19E-08
URI ( $\Delta$ CDF)	-2.82E-08	-1.43E-08						
PLE	NO							
<b>Indicator value</b>	<b>1.50E-07</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>	<b>1.10E-07</b>	<b>7.50E-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

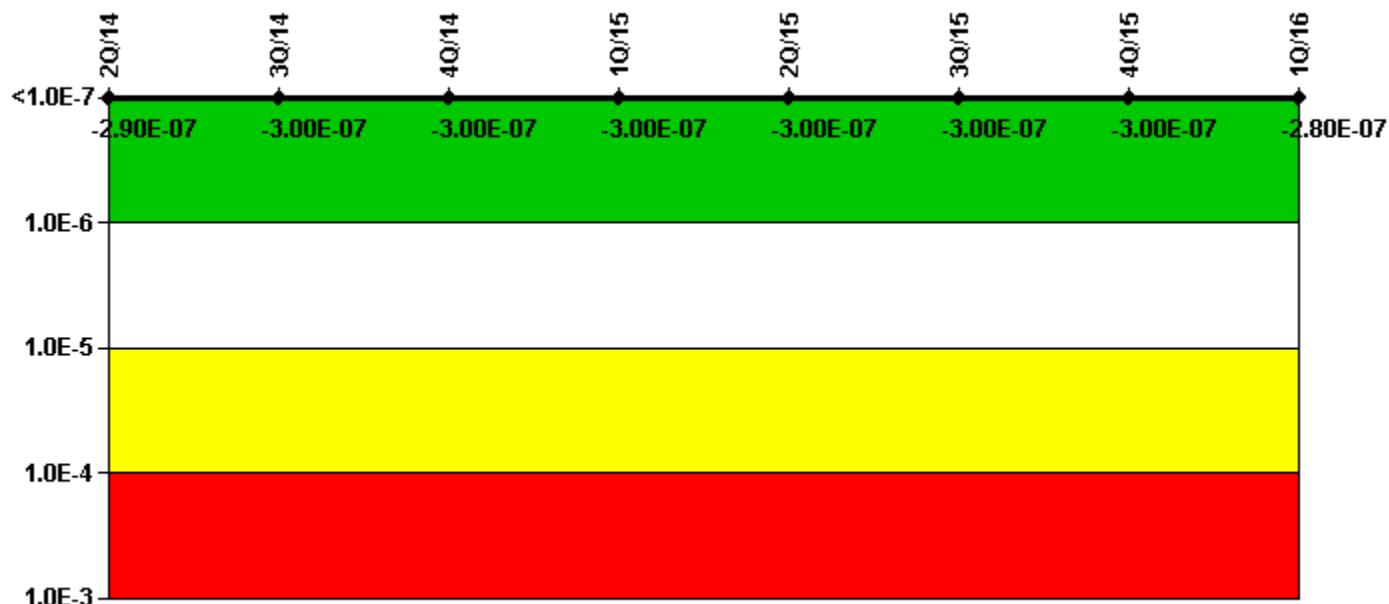
### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.63E-07	2.51E-07	1.87E-07	2.18E-07	2.21E-07	2.35E-07	2.22E-07	1.09E-07
URI ( $\Delta$ CDF)	4.58E-07	2.30E-07	2.25E-07	2.25E-07	4.44E-07	4.44E-07	4.44E-07	1.40E-07
PLE	NO							
<b>Indicator value</b>	<b>6.20E-07</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>	<b>6.70E-07</b>	<b>2.50E-07</b>

### Licensee Comments:

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## Mitigating Systems Performance Index, Residual Heat Removal System



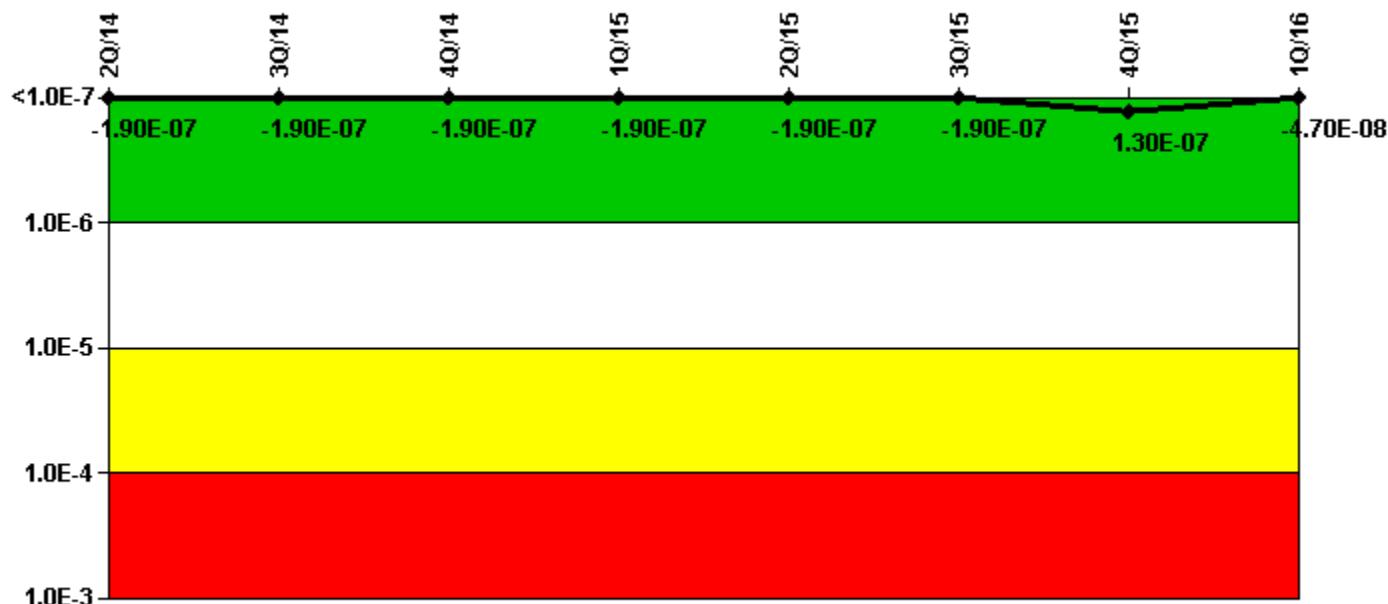
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-6.44E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.60E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.05E-07						
PLE	NO							
Indicator value	<b>-2.90E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-2.80E-07</b>

Licensee Comments: none

### Mitigating Systems Performance Index, Cooling Water Systems



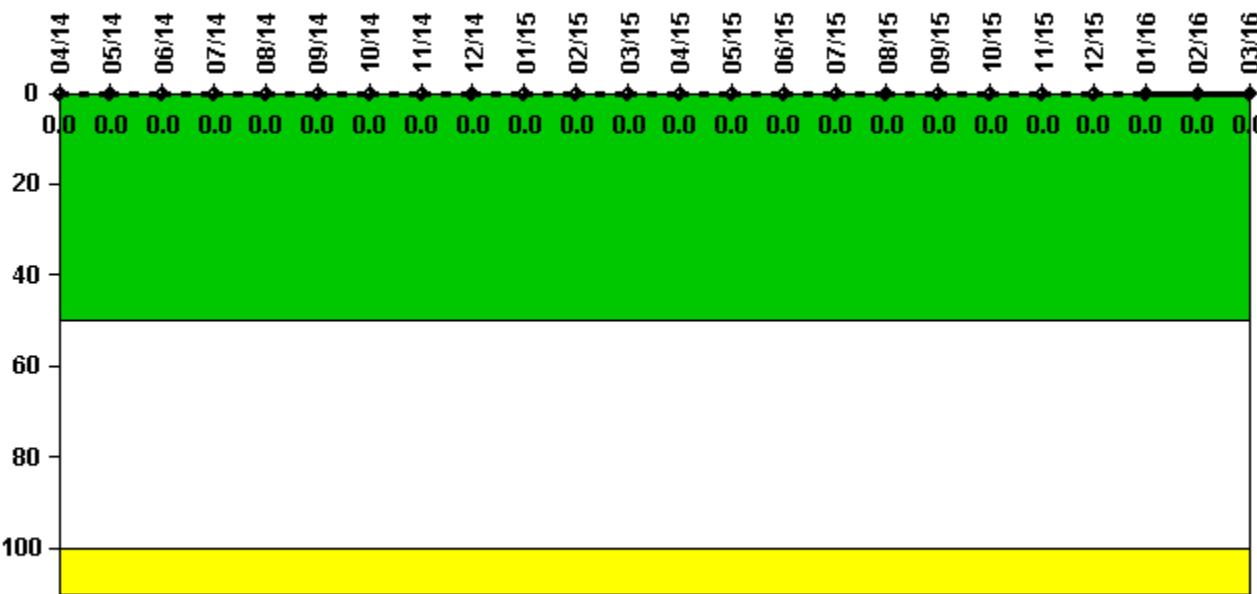
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)	1.86E-08	1.81E-08	1.84E-08	2.38E-08	2.30E-08	2.33E-08	2.71E-08	3.82E-08
URI ( $\Delta$ CDF)	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	9.84E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>1.30E-07</b>	<b>-4.70E-08</b>

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

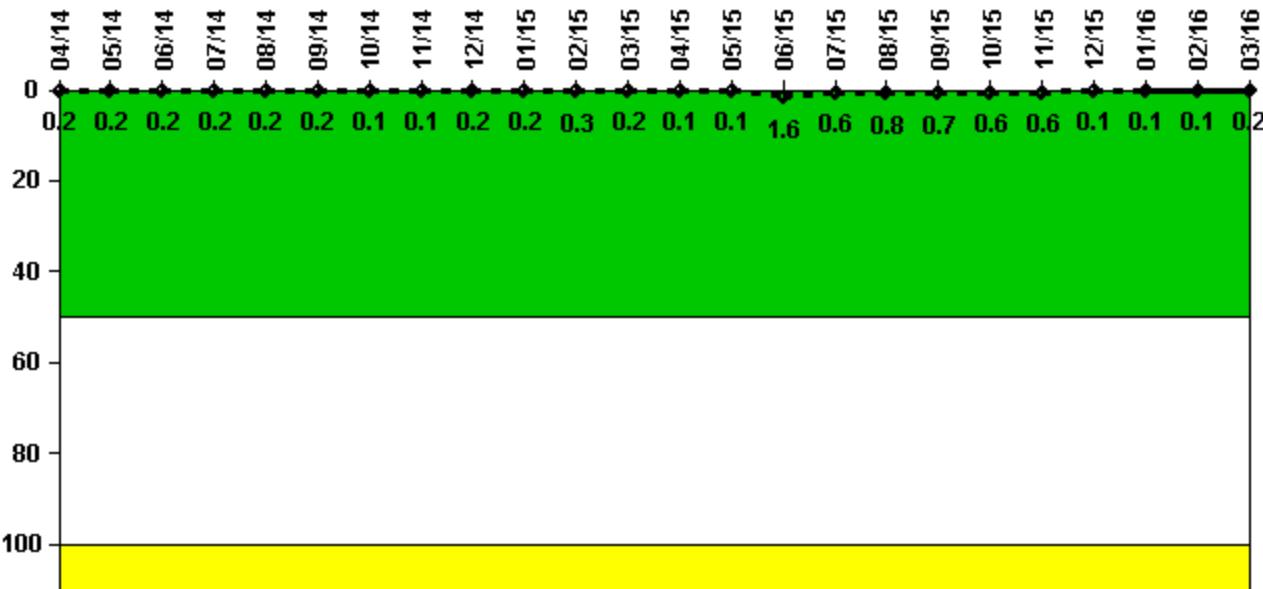
Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000043	0.000168	0.000067	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027	0.000029	0.000034	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000032	0.000037	0.000038	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

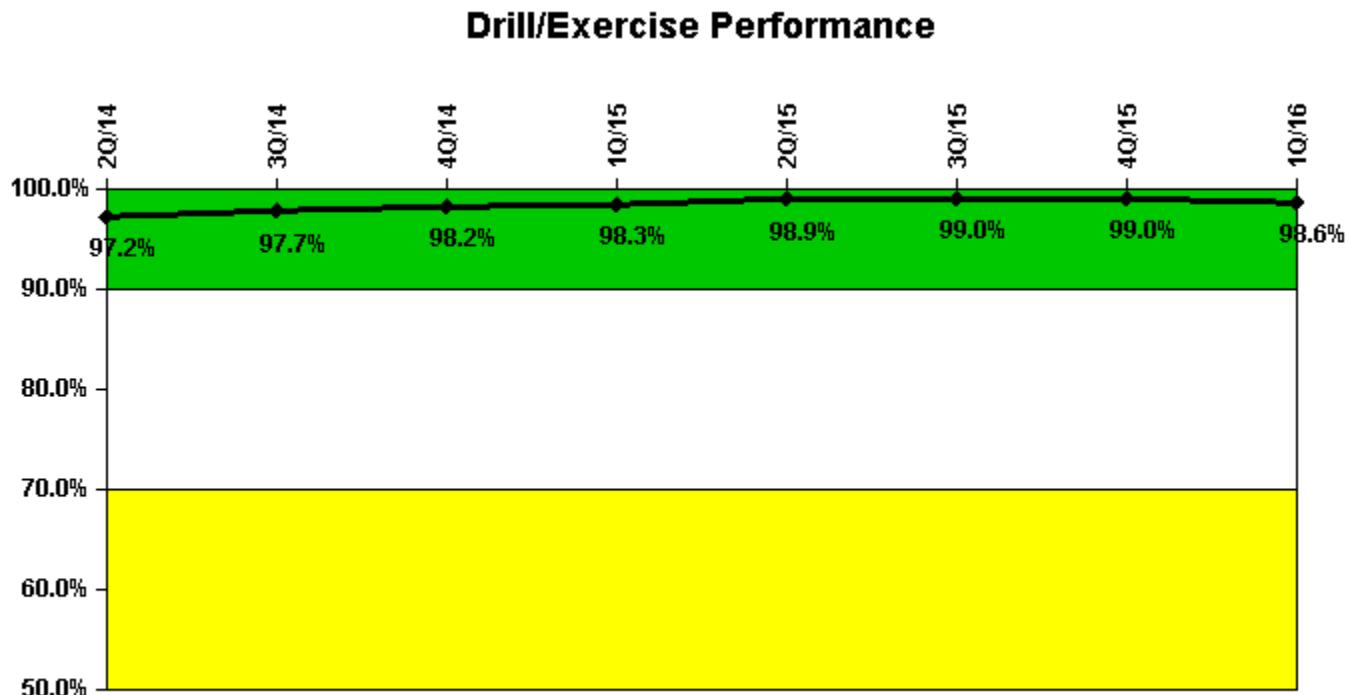


Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.018	0.017	0.015	0.019	0.024	0.019	0.012	0.012	0.019	0.018	0.025	0.021
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2
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	0.014	0.014	0.156	0.059	0.077	0.074	0.064	0.062	0.014	0.014	0.012	0.017
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	1.6	0.6	0.8	0.7	0.6	0.6	0.1	0.1	0.1	0.2

Licensee Comments: none



Thresholds: White < 90.0% Yellow < 70.0%

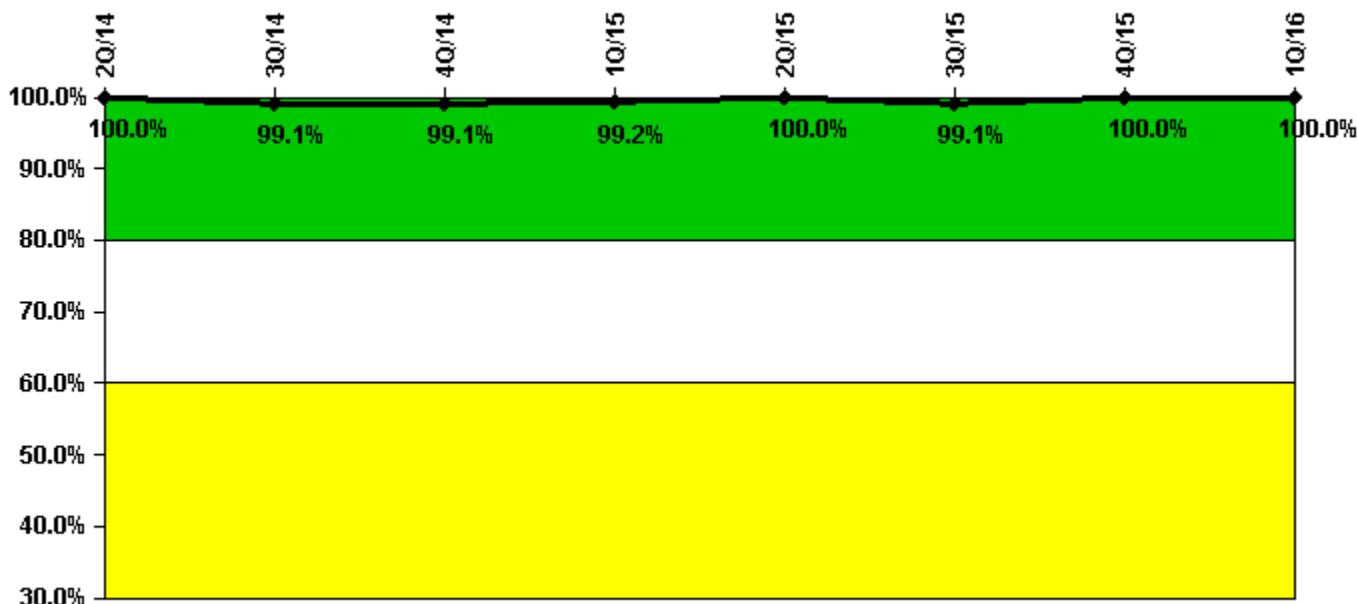
### Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	24.0	52.0	20.0	63.0	22.0	59.0	22.0	82.0
Total opportunities	25.0	52.0	20.0	63.0	23.0	59.0	22.0	85.0
<b>Indicator value</b>	<b>97.2%</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>98.9%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.6%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

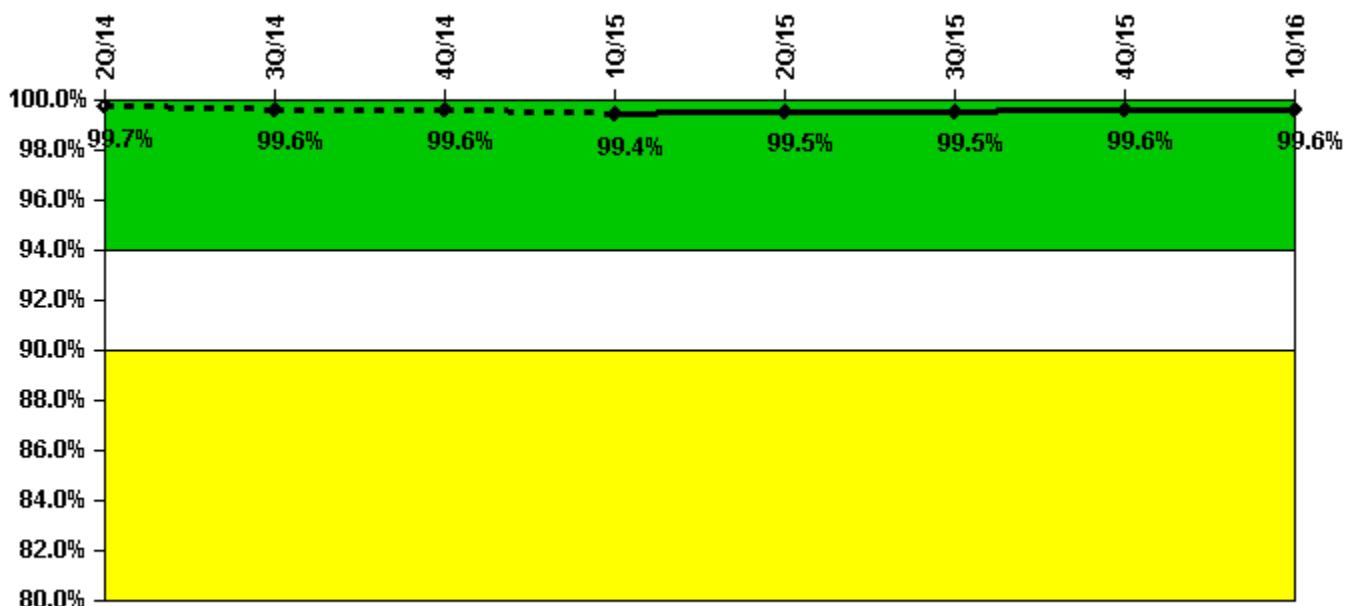
#### **Notes**

<b>ERO Drill Participation</b>	<b>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	109.0	110.0	114.0	118.0	115.0	114.0	120.0	120.0
Total Key personnel	109.0	111.0	115.0	119.0	115.0	115.0	120.0	120.0
<b>Indicator value</b>	<b>100.0%</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

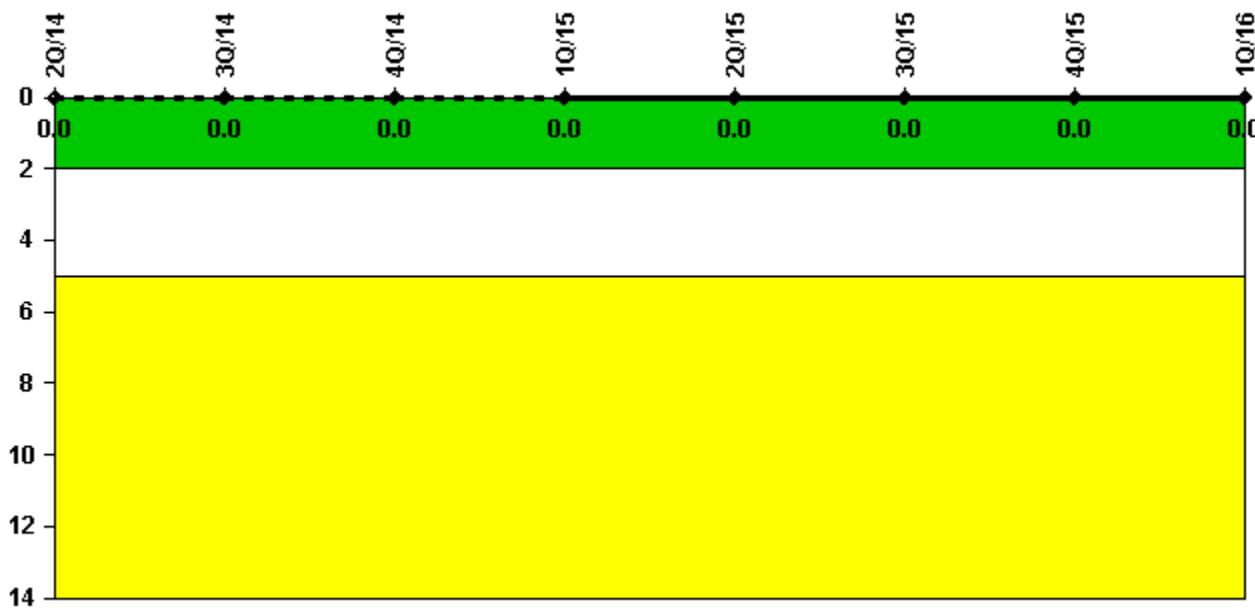
### Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	1043	1151	1151	1148	1154	1150	1244	1152
Total sirens-tests	1049	1157	1157	1157	1157	1157	1246	1157
<b>Indicator value</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.6%</b>	<b>99.6%</b>

Licensee Comments: none

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### **Occupational Exposure Control Effectiveness**



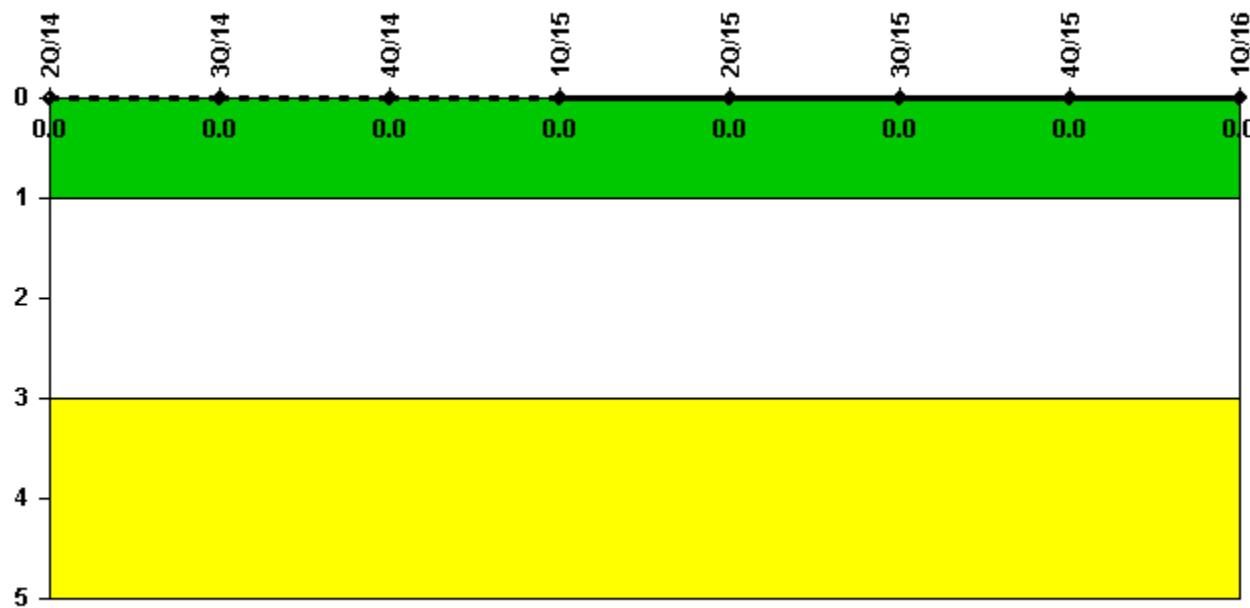
Thresholds: White > 2.0 Yellow > 5.0

#### **Notes**

<b>Occupational Exposure Control Effectiveness</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>
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>							

Licensee Comments: none

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**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	2Q/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
<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, 2016*

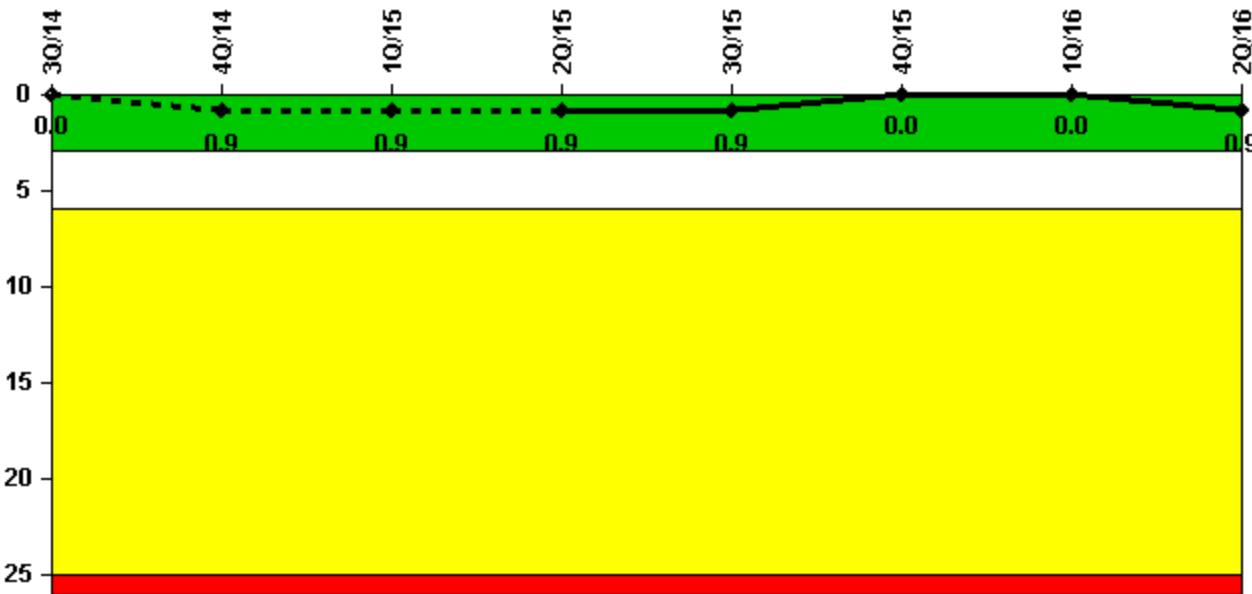
# Farley 2

## 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

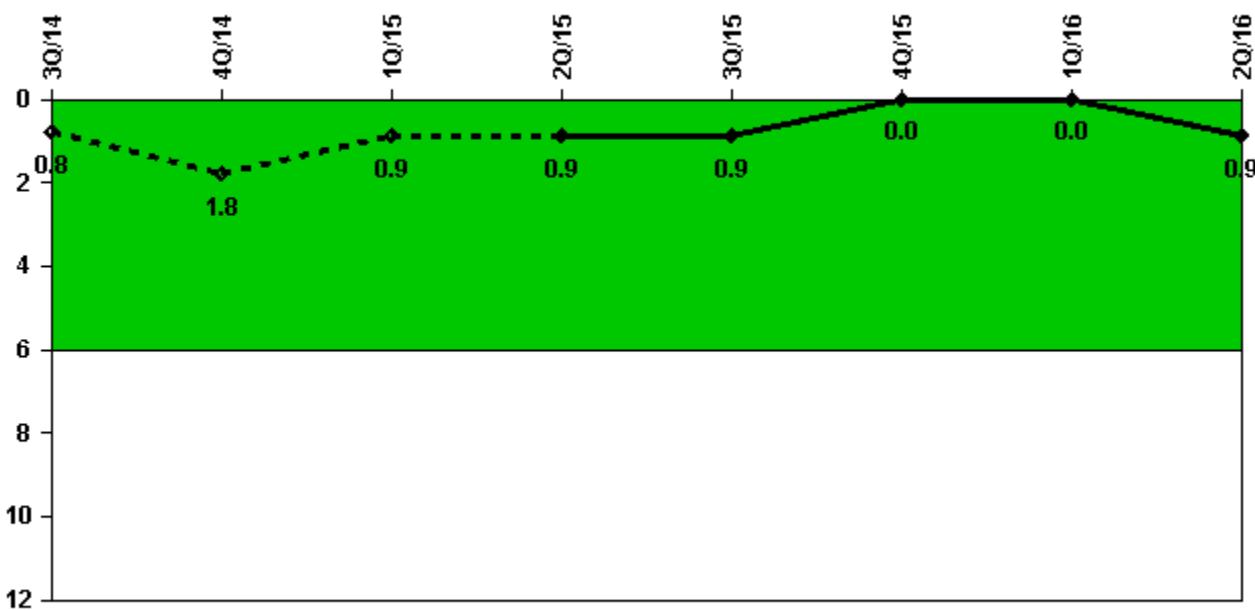
### Notes

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	1.0	0	0	0	0	0	1.0
Critical hours	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0.9

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps.

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

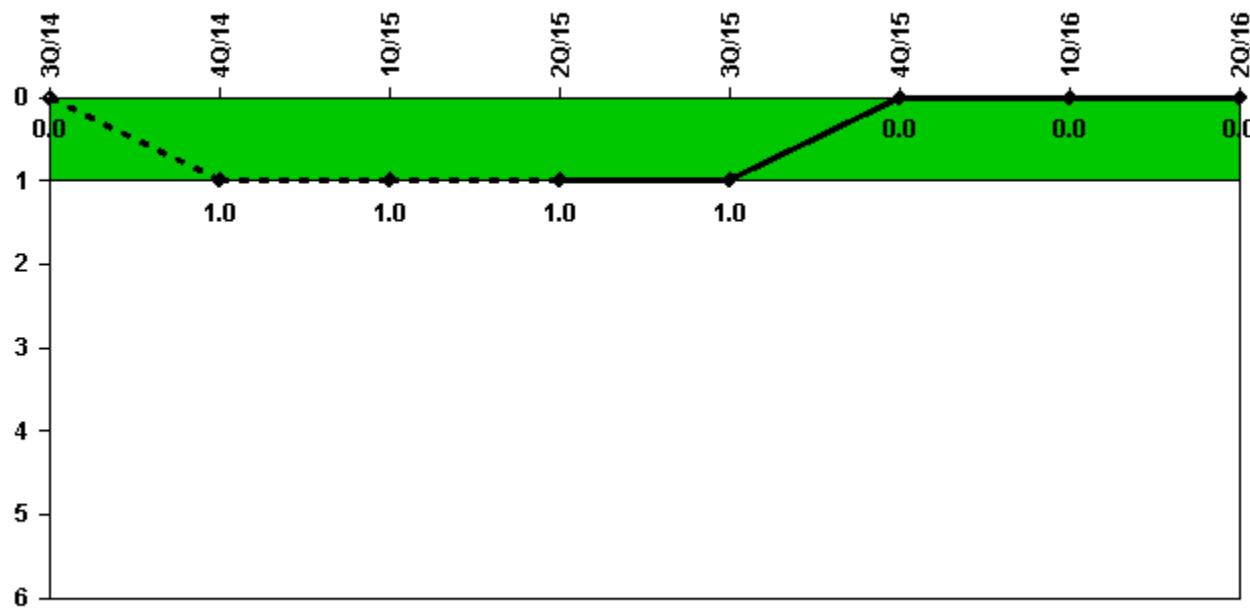
#### Notes

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	1.0
Critical hours	2208.0	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8
<b>Indicator value</b>	<b>0.8</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>0.9</b>

Licensee Comments:

4Q/14: Unplanned losses due to a steam leak in CTMT.

### Unplanned Scrams with Complications



Thresholds: White > 1.0

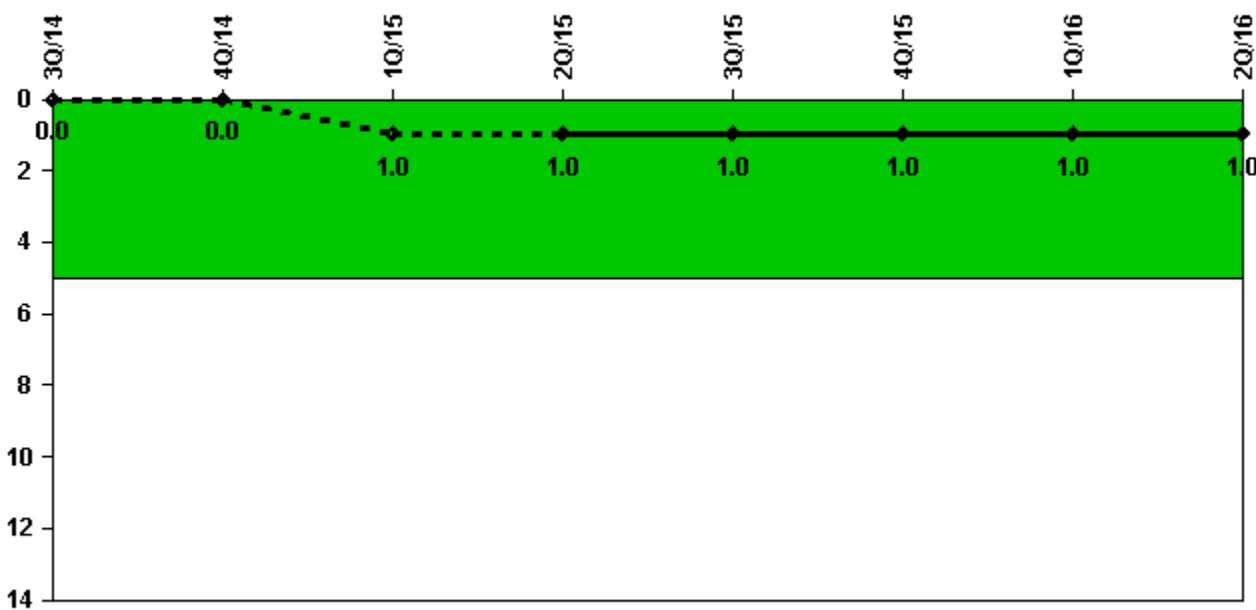
#### Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	1.0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps. This event was considered a scram with complications due to the loss of power to an ESF bus.

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



Thresholds: White > 5.0

### Notes

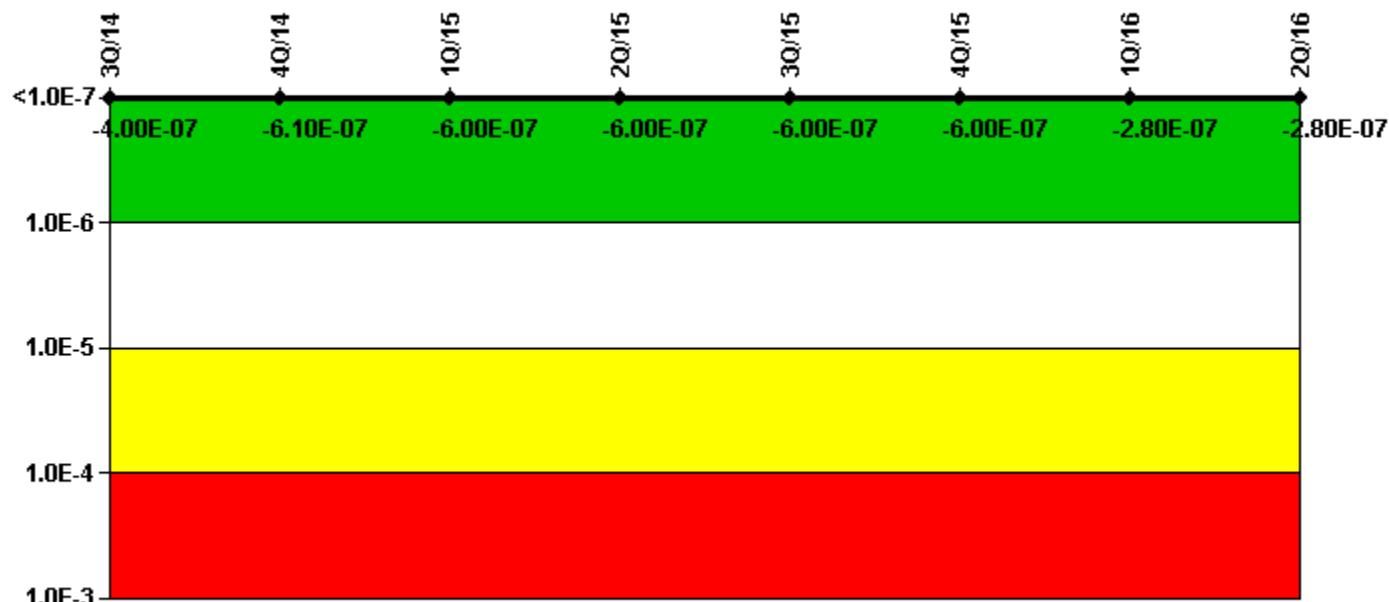
Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	1	0	0	0	1	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

### Licensee Comments:

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

## Mitigating Systems Performance Index, Emergency AC Power System



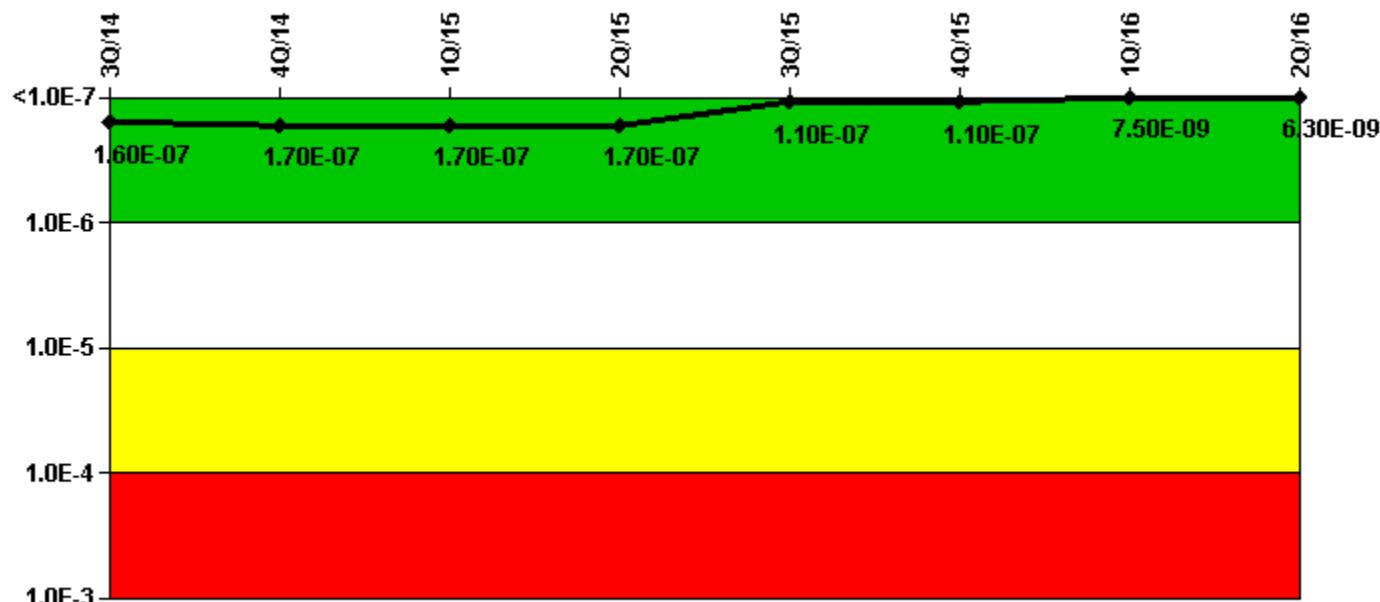
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-3.59E-08	-5.36E-08	-4.46E-08	-3.76E-08	-3.76E-08	-3.75E-08	-3.03E-08	-3.01E-08
URI ( $\Delta$ CDF)	-3.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-2.47E-07	-2.47E-07
PLE	NO							
<b>Indicator value</b>	<b>-4.00E-07</b>	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, High Pressure Injection System



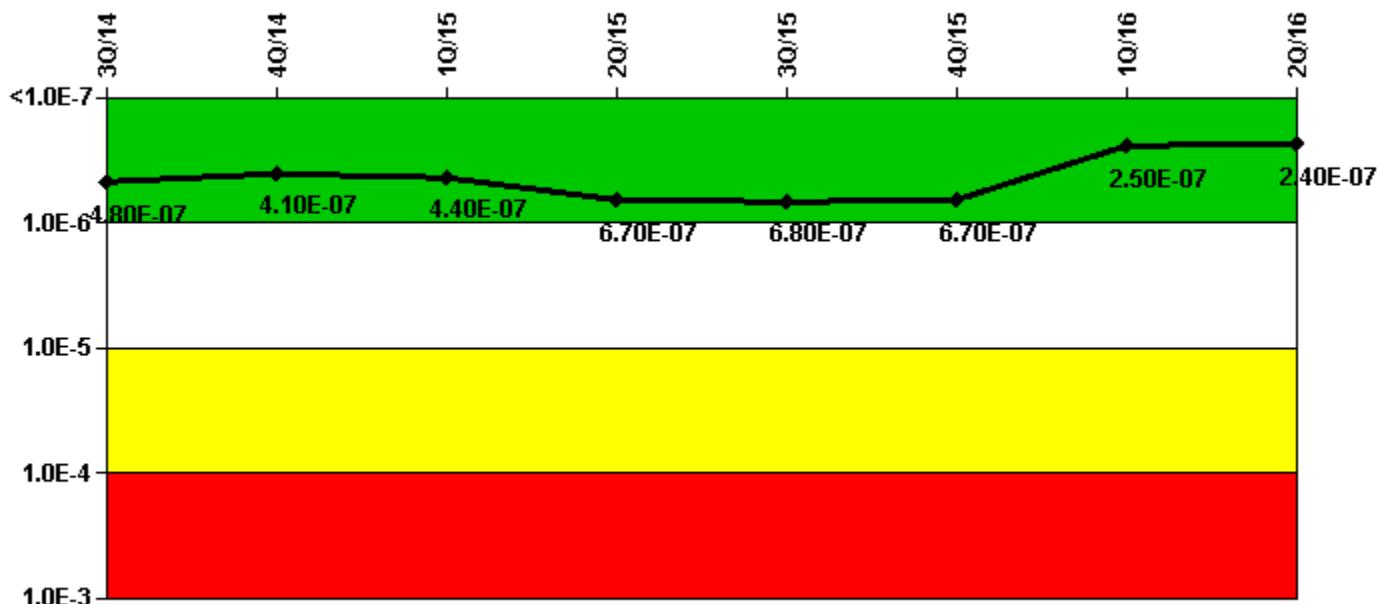
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	1.85E-07	1.95E-07	1.94E-07	1.96E-07	1.37E-07	1.40E-07	2.19E-08	2.07E-08
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-1.43E-08	-1.43E-08
PLE	NO							
<b>Indicator value</b>	<b>1.60E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>	<b>1.10E-07</b>	<b>7.50E-09</b>	<b>6.30E-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

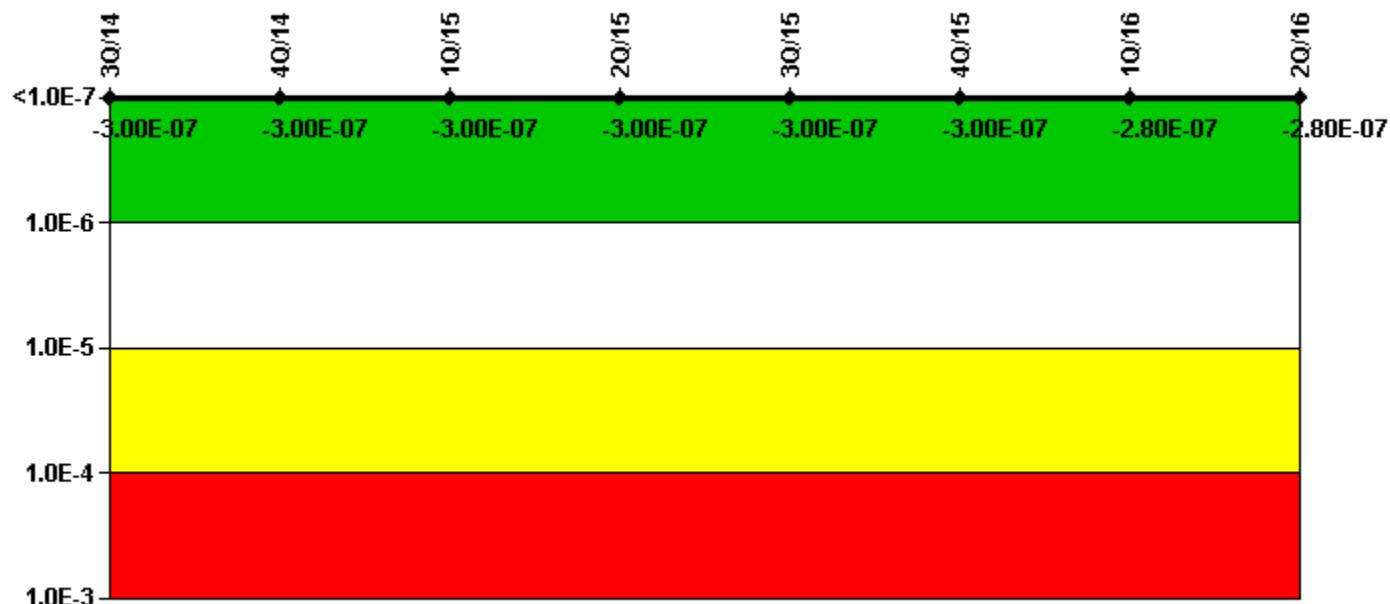
### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	2.51E-07	1.87E-07	2.18E-07	2.21E-07	2.35E-07	2.22E-07	1.09E-07	1.03E-07
URI ( $\Delta$ CDF)	2.30E-07	2.25E-07	2.25E-07	4.44E-07	4.44E-07	4.44E-07	1.40E-07	1.40E-07
PLE	NO							
<b>Indicator value</b>	<b>4.80E-07</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>	<b>6.70E-07</b>	<b>2.50E-07</b>	<b>2.40E-07</b>

### Licensee Comments:

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## Mitigating Systems Performance Index, Residual Heat Removal System



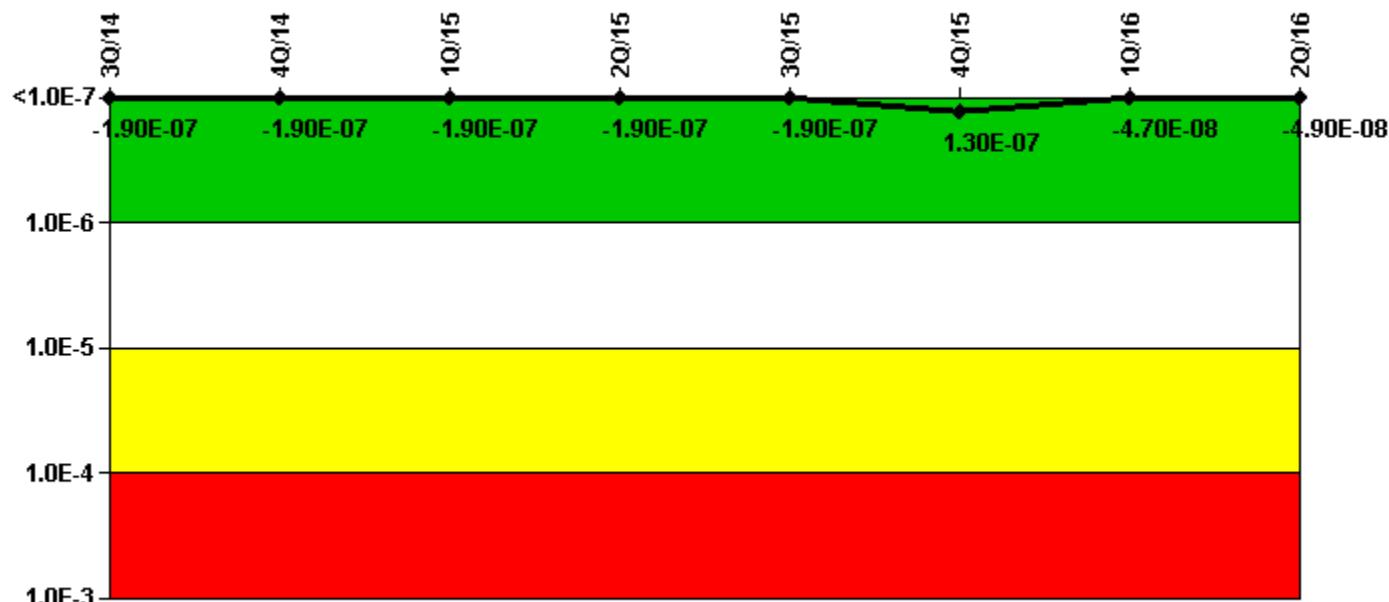
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.60E-08	-7.60E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.05E-07	-2.05E-07
PLE	NO							
Indicator value	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>

Licensee Comments: none

## Mitigating Systems Performance Index, Cooling Water Systems



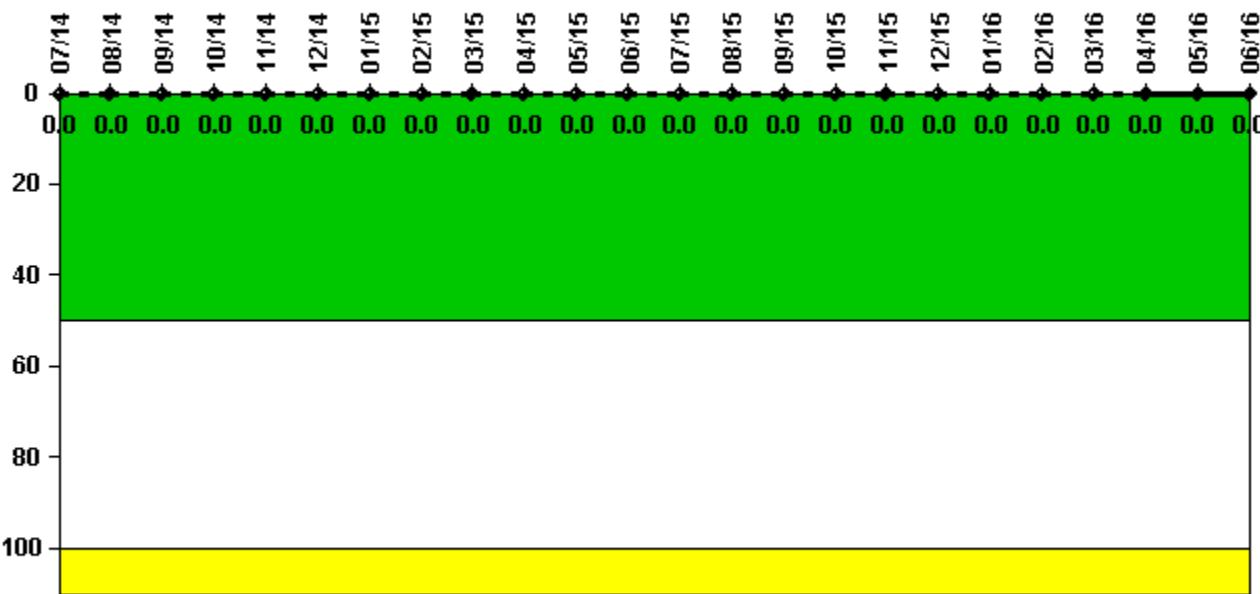
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

### 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 ( $\Delta CDF$ )	1.81E-08	1.84E-08	2.38E-08	2.30E-08	2.33E-08	2.71E-08	3.82E-08	3.63E-08
URI ( $\Delta CDF$ )	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	9.84E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>1.30E-07</b>	<b>-4.70E-08</b>	<b>-4.90E-08</b>

Licensee Comments: none

## Reactor Coolant System Activity



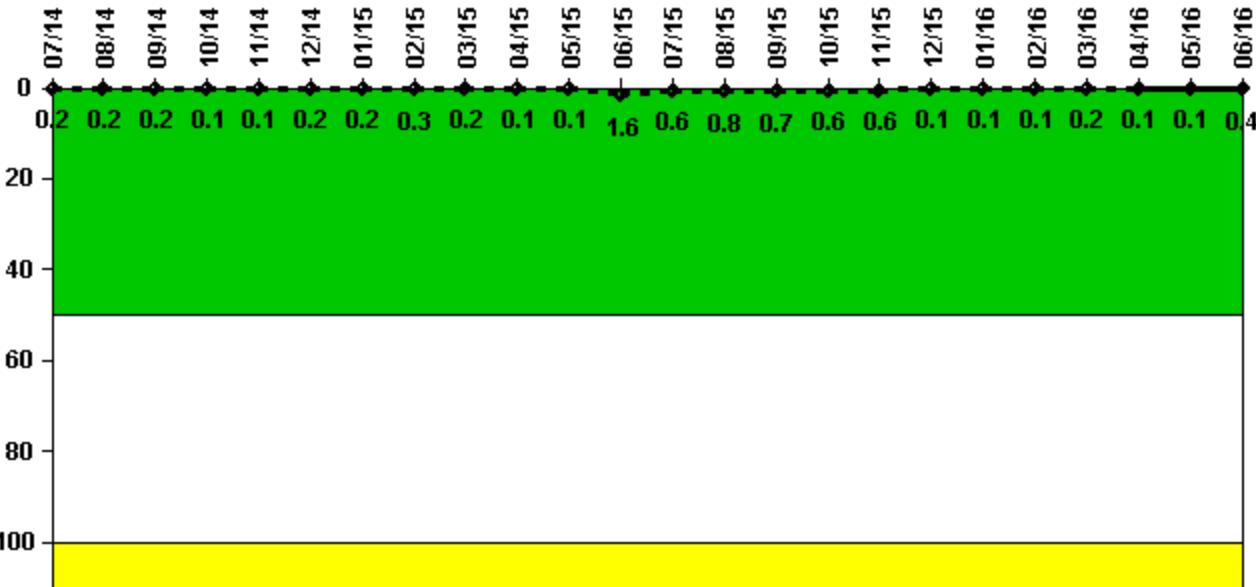
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000048	0.000047	0.000047	0.000169	0.000019	0.000027	0.000029	0.000034	0.000038	0.000032	0.000037	0.000038
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047	0.000042	0.000025	0.000023
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage

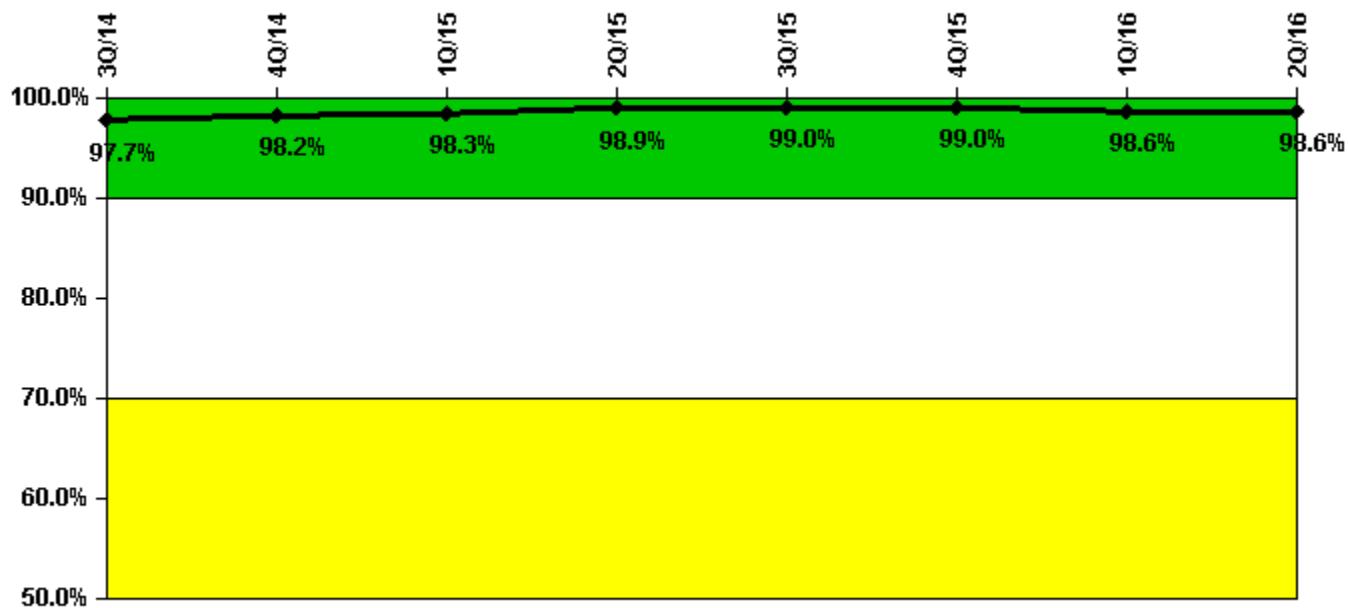


Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.019	0.024	0.019	0.012	0.012	0.019	0.018	0.025	0.021	0.014	0.014	0.156
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<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>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>1.6</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	0.059	0.077	0.074	0.064	0.062	0.014	0.014	0.012	0.017	0.011	0.014	0.042
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.6</b>	<b>0.8</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.4</b>

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

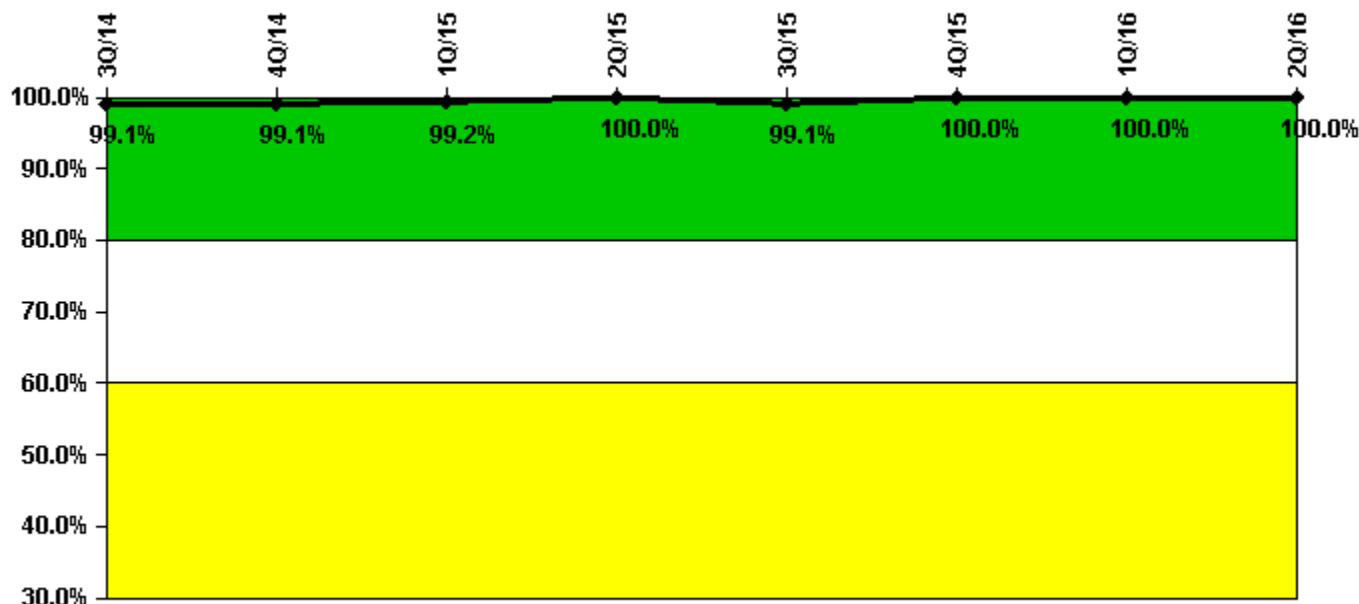
**Notes**

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	52.0	20.0	63.0	22.0	59.0	22.0	82.0	39.0
Total opportunities	52.0	20.0	63.0	23.0	59.0	22.0	85.0	40.0
<b>Indicator value</b>	<b>97.7%</b>	<b>98.2%</b>	<b>98.3%</b>	<b>98.9%</b>	<b>99.0%</b>	<b>99.0%</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%

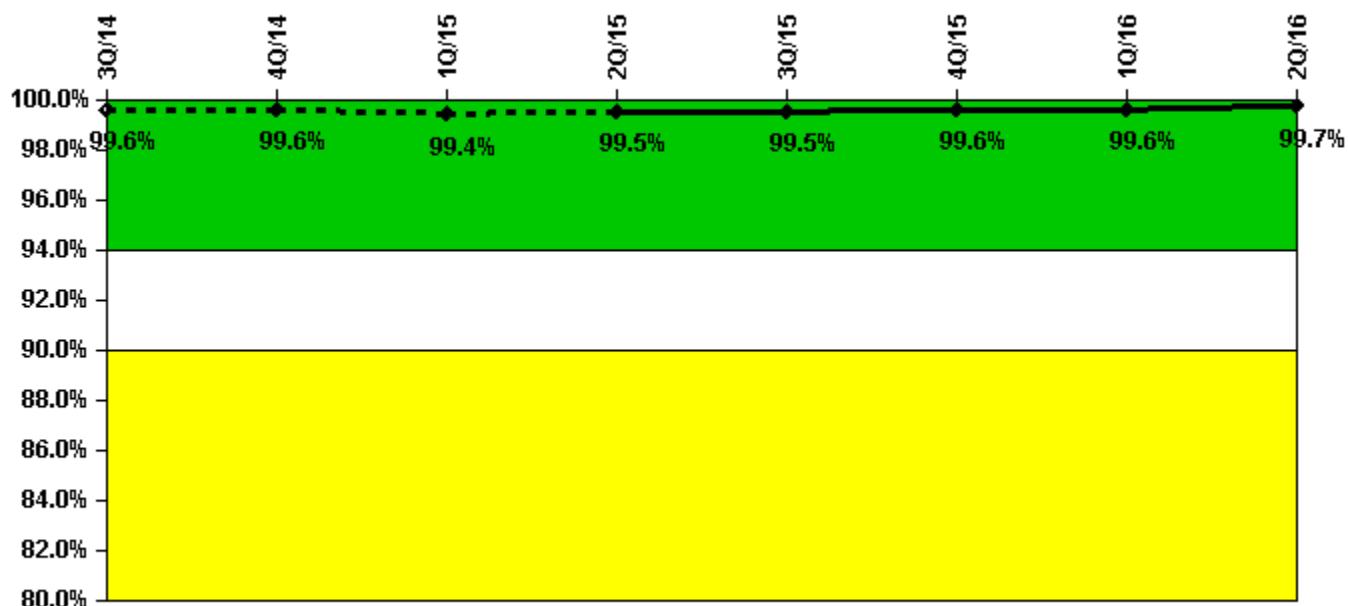
#### **Notes**

<b>ERO Drill Participation</b>	<b>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	110.0	114.0	118.0	115.0	114.0	120.0	120.0	116.0
Total Key personnel	111.0	115.0	119.0	115.0	115.0	120.0	120.0	116.0
<b>Indicator value</b>	<b>99.1%</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

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## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

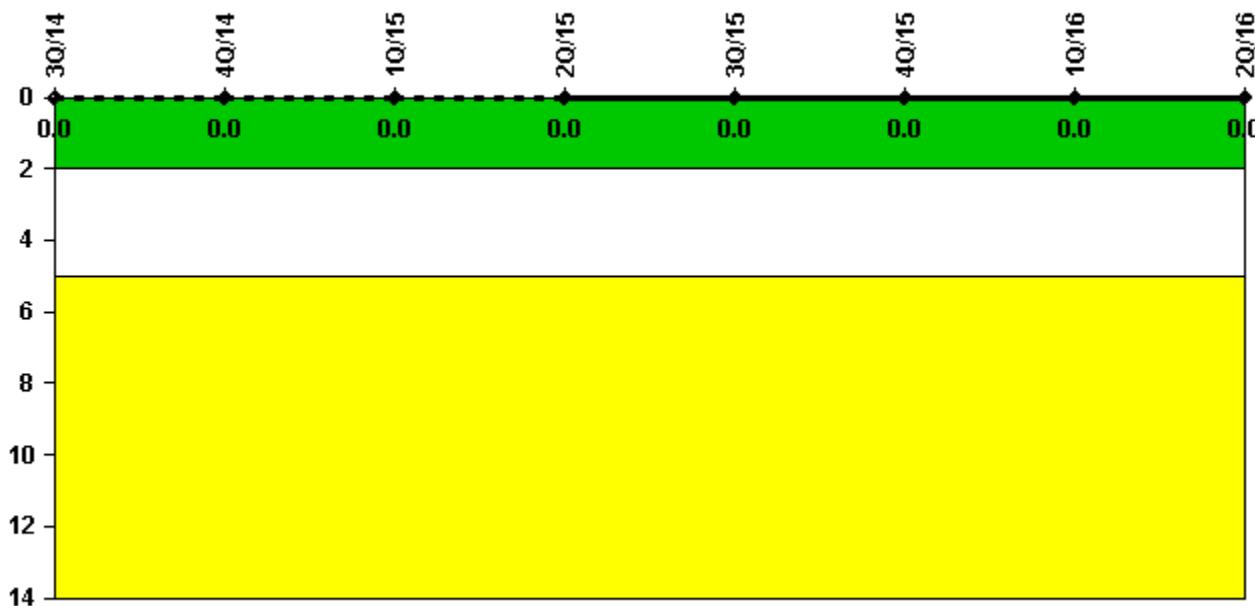
### Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1151	1151	1148	1154	1150	1244	1152	1157
Total sirens-tests	1157	1157	1157	1157	1157	1246	1157	1157
<b>Indicator value</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.7%</b>

Licensee Comments: none

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## **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

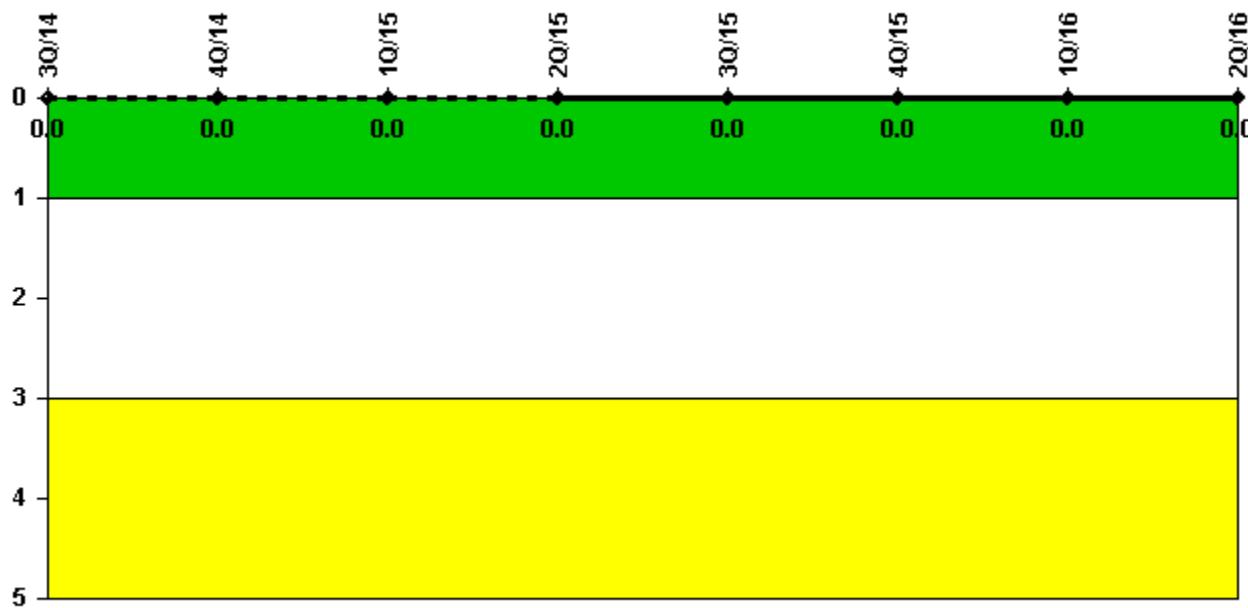
### Notes

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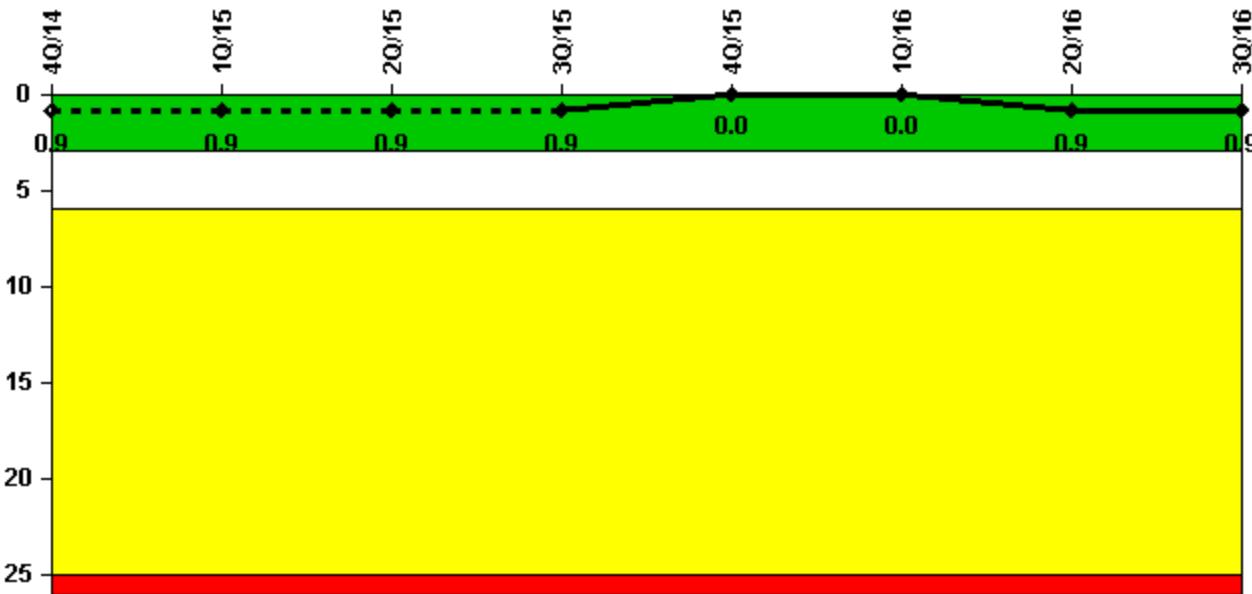
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: July 25, 2016*

**Farley 2****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

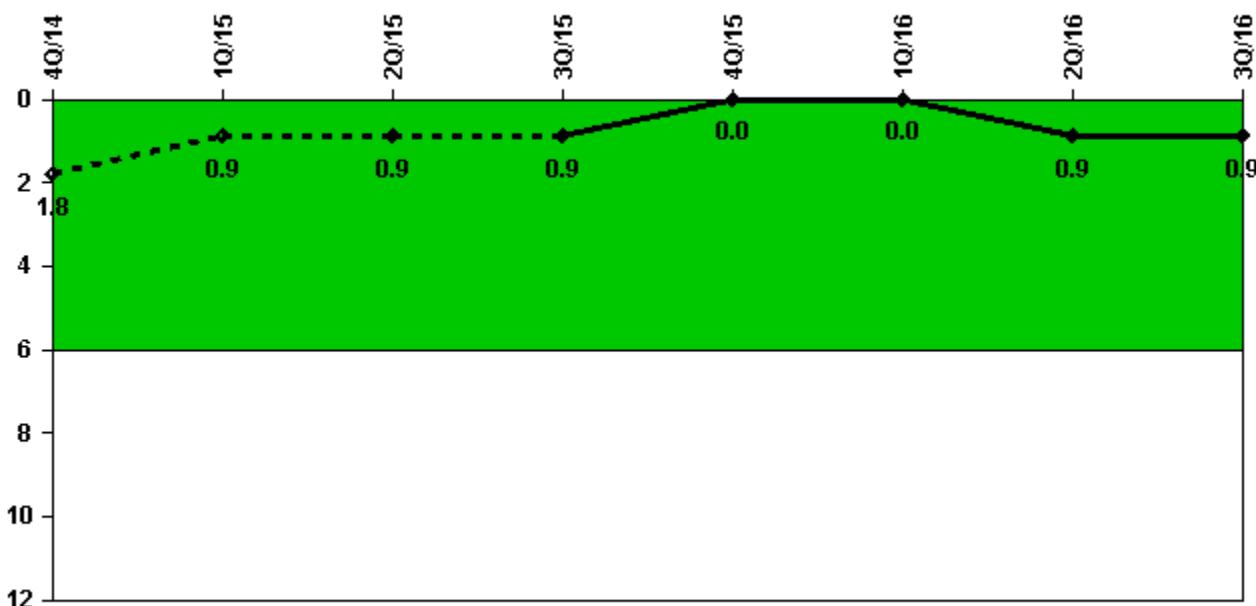
**Notes**

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	1.0	0	0	0	0	0	1.0	0
Critical hours	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0.9	0.9

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps.

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

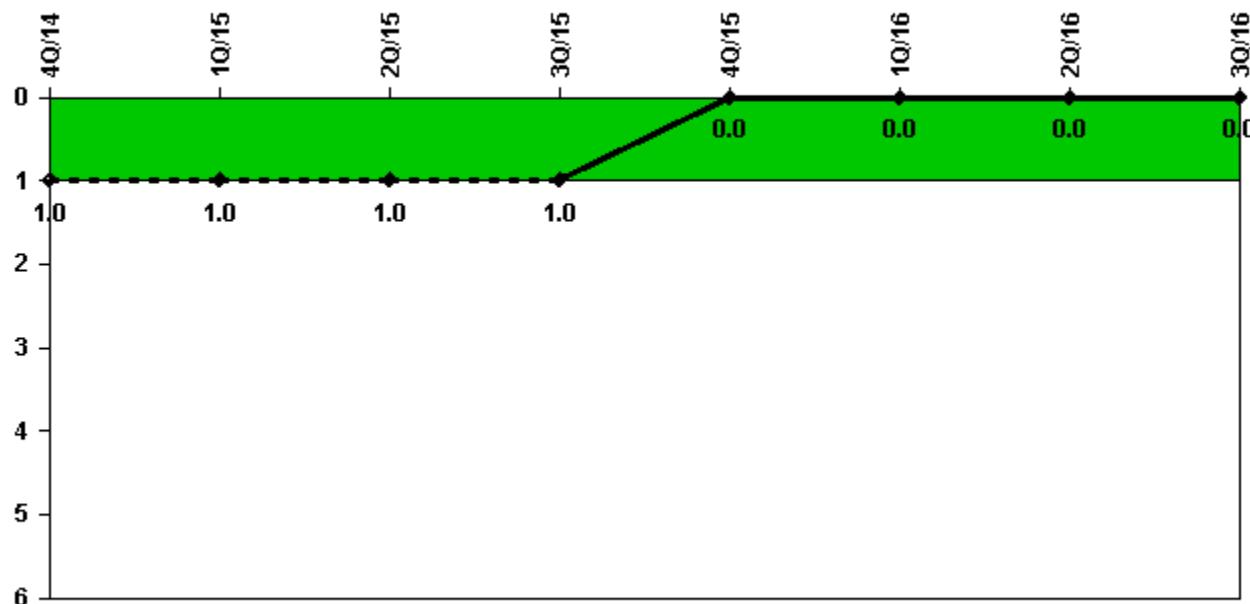
#### Notes

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	1.0	0
Critical hours	1322.0	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0
<b>Indicator value</b>	<b>1.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments:

4Q/14: Unplanned losses due to a steam leak in CTMT.

### Unplanned Scrams with Complications



Thresholds: White > 1.0

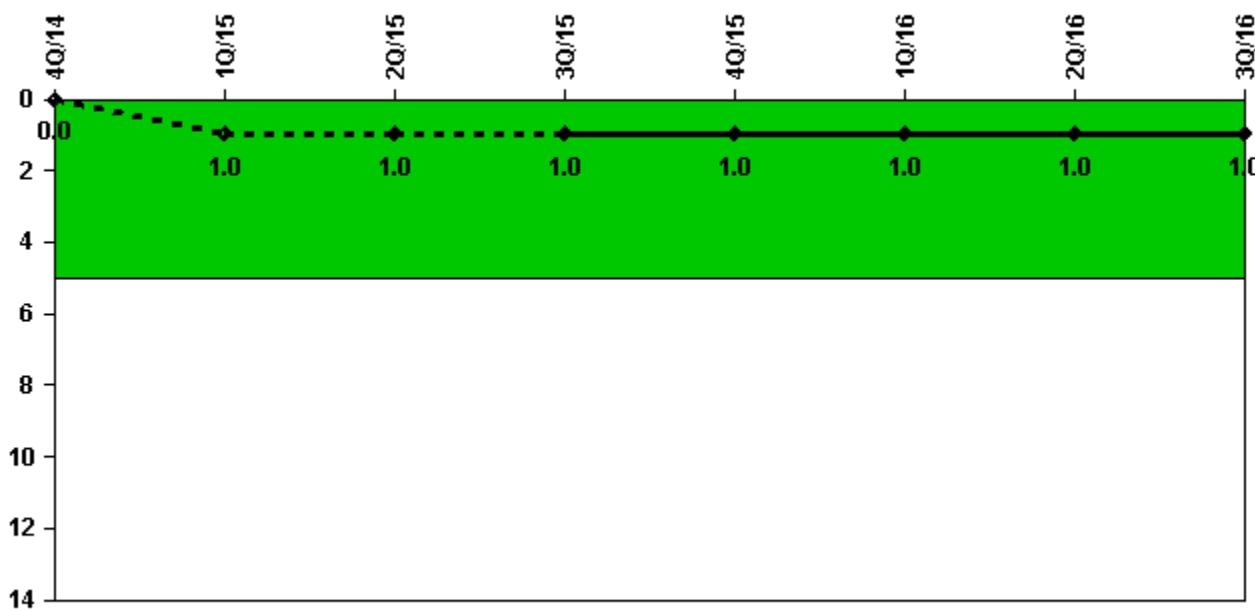
#### Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	1.0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments:

4Q/14: Reactor Trip (Manual) due to a loss of component cooling water (CCW) flow to the reactor coolant pumps. This event was considered a scram with complications due to the loss of power to an ESF bus.

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

### Notes

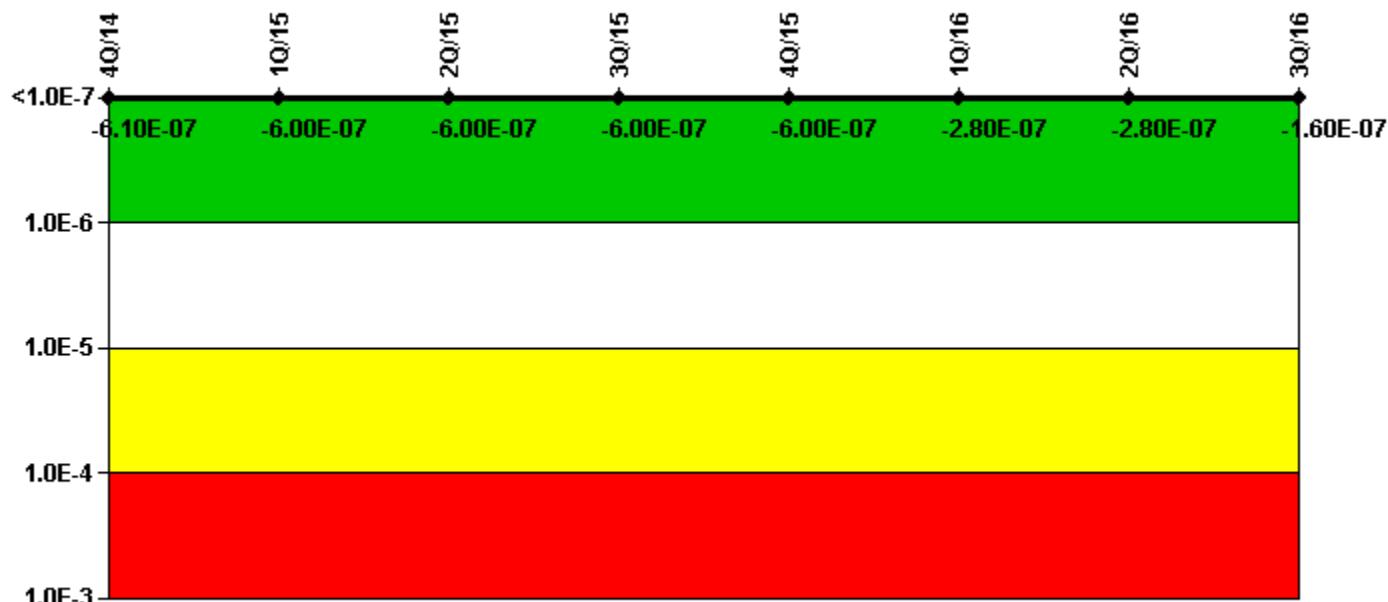
Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	1	0	0	0	1	0	0
Indicator value	<b>0</b>	<b>1</b>						

Licensee Comments:

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

### Mitigating Systems Performance Index, Emergency AC Power System



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

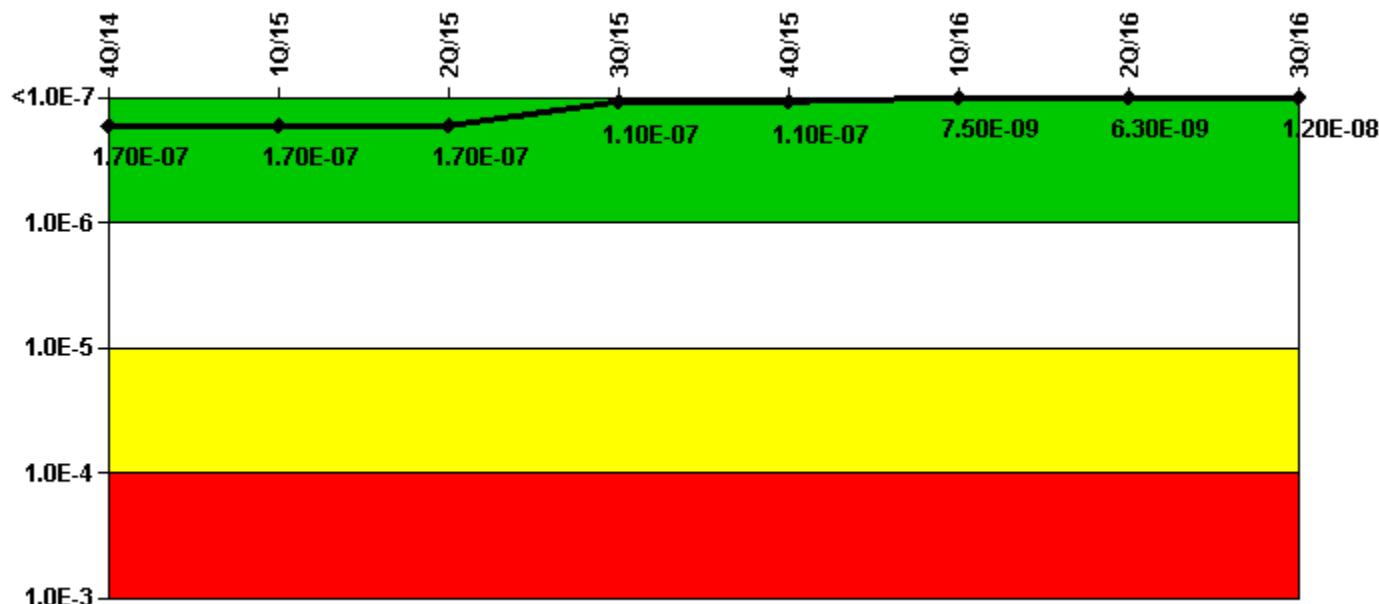
#### Notes

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)	-5.36E-08	-4.46E-08	-3.76E-08	-3.76E-08	-3.75E-08	-3.03E-08	-3.01E-08	-1.78E-08
URI ( $\Delta$ CDF)	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-2.47E-07	-2.47E-07	-1.41E-07
PLE	NO							
Indicator value	<b>-6.10E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>	<b>-1.60E-07</b>

Licensee Comments:

3Q/16: 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

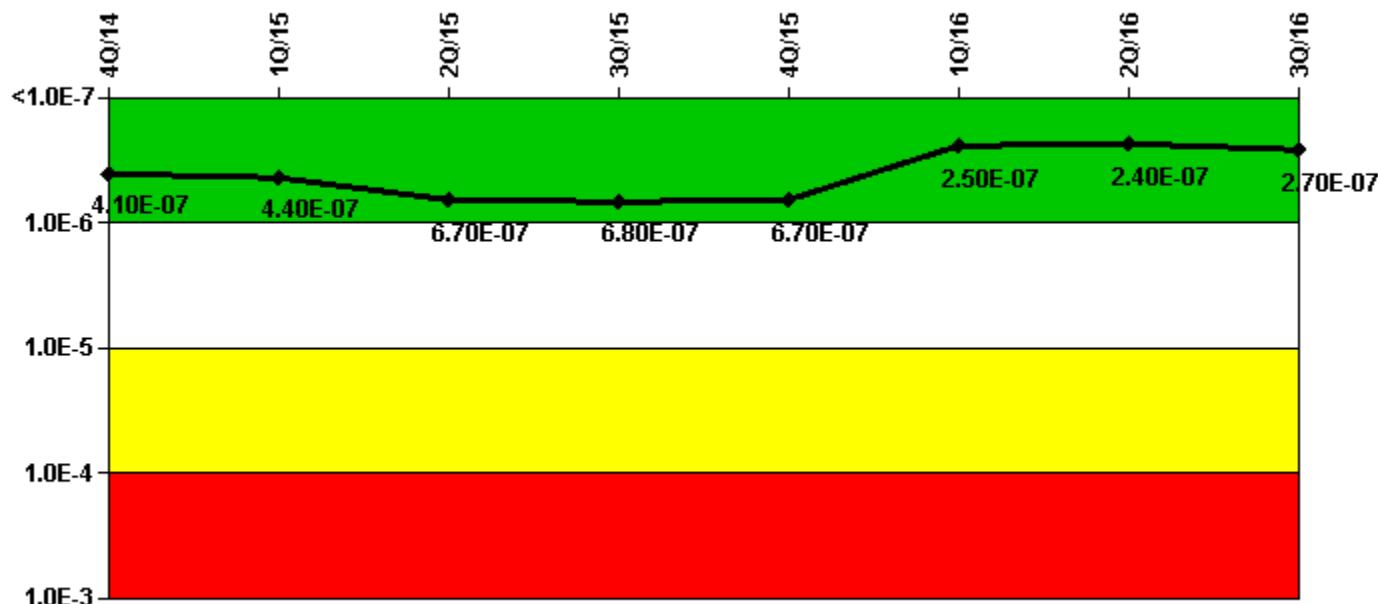
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	1.95E-07	1.94E-07	1.96E-07	1.37E-07	1.40E-07	2.19E-08	2.07E-08	1.53E-08
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-1.43E-08	-1.43E-08	-3.23E-09
PLE	NO							
<b>Indicator value</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>	<b>1.10E-07</b>	<b>7.50E-09</b>	<b>6.30E-09</b>	<b>1.20E-08</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Heat Removal System



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

### Notes

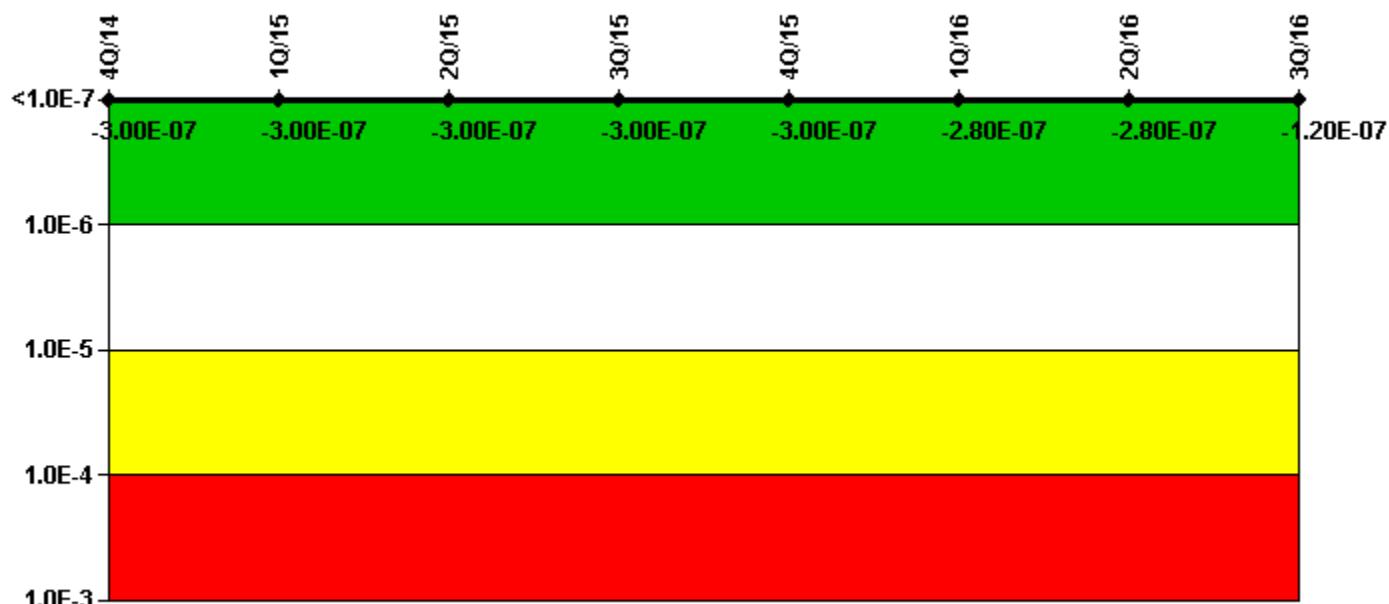
Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	1.87E-07	2.18E-07	2.21E-07	2.35E-07	2.22E-07	1.09E-07	1.03E-07	1.28E-07
URI ( $\Delta$ CDF)	2.25E-07	2.25E-07	4.44E-07	4.44E-07	4.44E-07	1.40E-07	1.40E-07	1.39E-07
PLE	NO							
<b>Indicator value</b>	<b>4.10E-07</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>	<b>6.70E-07</b>	<b>2.50E-07</b>	<b>2.40E-07</b>	<b>2.70E-07</b>

### Licensee Comments:

3Q/16: Changed PRA Parameter(s).

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

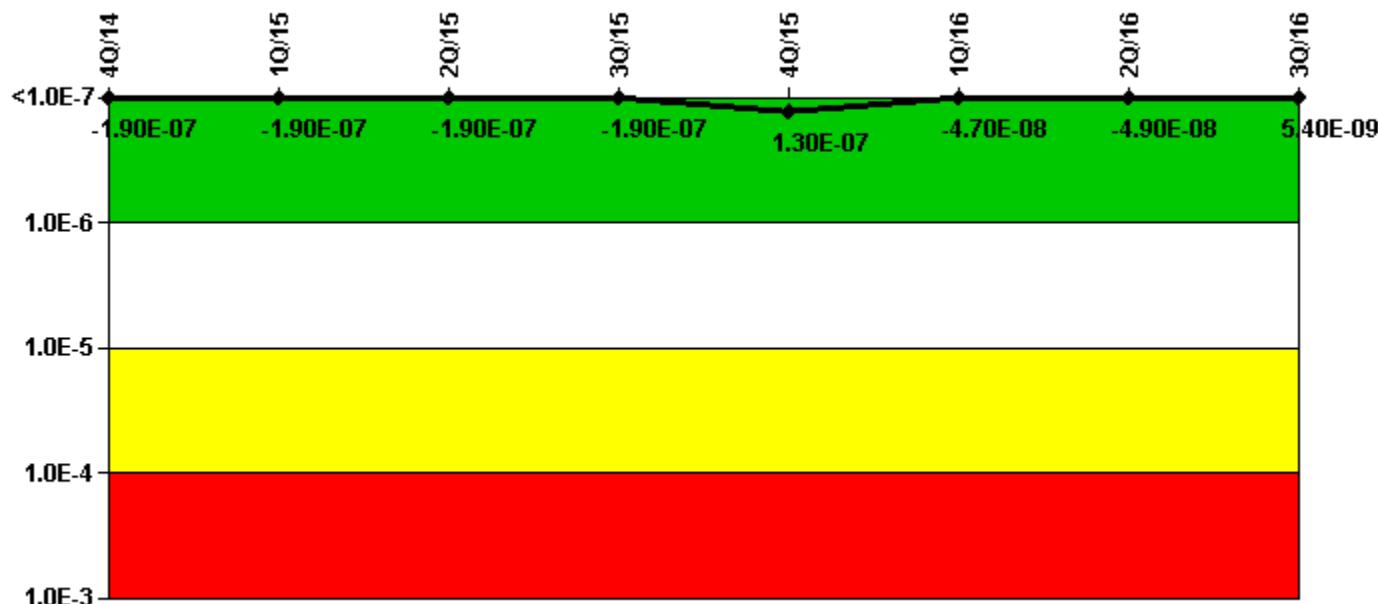
### Notes

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)	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.60E-08	-7.60E-08	-3.01E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.05E-07	-2.05E-07	-9.49E-08
PLE	NO							
Indicator value	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>	<b>-1.20E-07</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### Mitigating Systems Performance Index, Cooling Water Systems



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

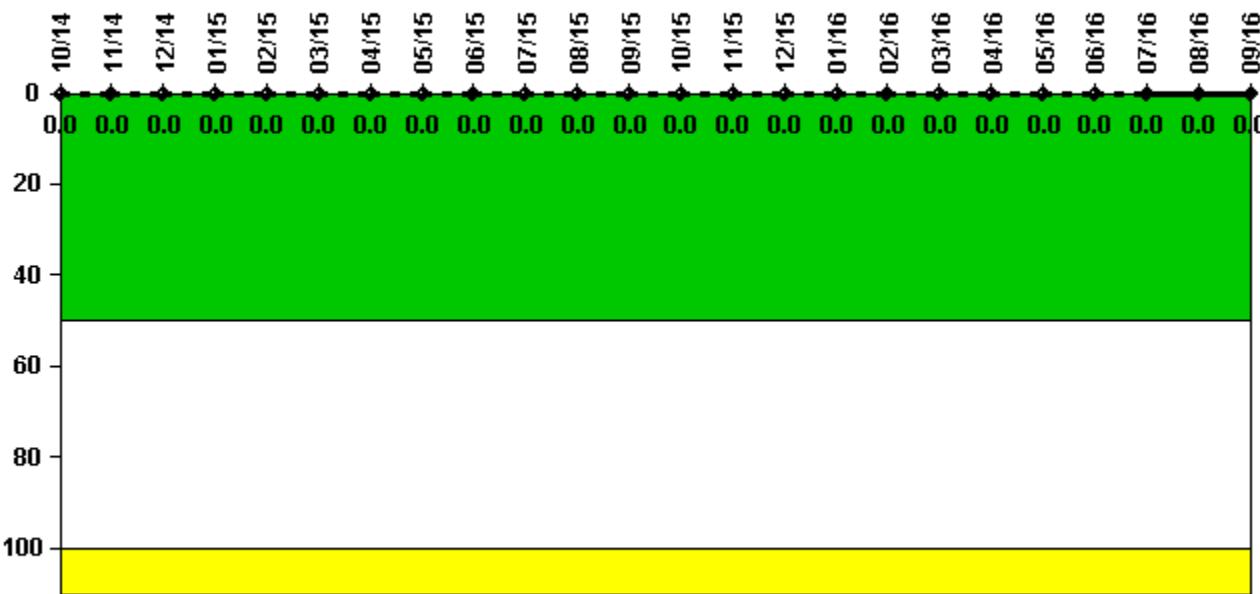
#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	1.84E-08	2.38E-08	2.30E-08	2.33E-08	2.71E-08	3.82E-08	3.63E-08	3.59E-09
URI ( $\Delta$ CDF)	-2.12E-07	-2.12E-07	-2.12E-07	-2.12E-07	9.84E-08	-8.50E-08	-8.50E-08	1.83E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>1.30E-07</b>	<b>-4.70E-08</b>	<b>-4.90E-08</b>	<b>5.40E-09</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

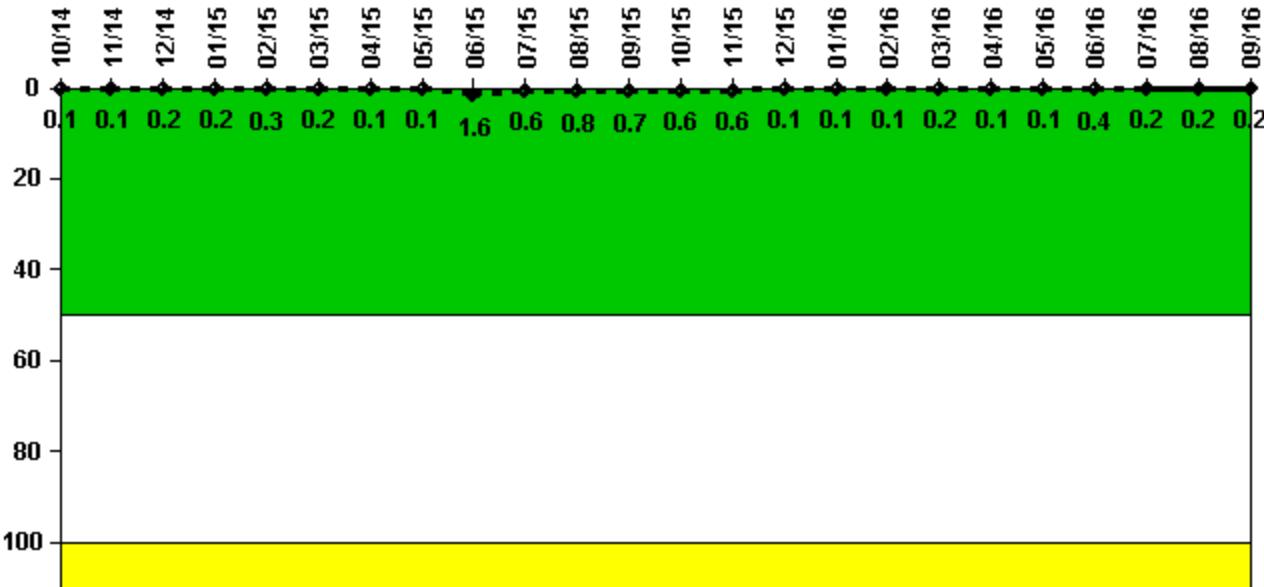
Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.0000169	0.0000019	0.0000027	0.0000029	0.0000034	0.0000038	0.0000032	0.0000037	0.0000038	0.0000046	0.0000042	0.0000037
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047	0.000042	0.000025	0.000023	0.000041	0.000038	0.000035
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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

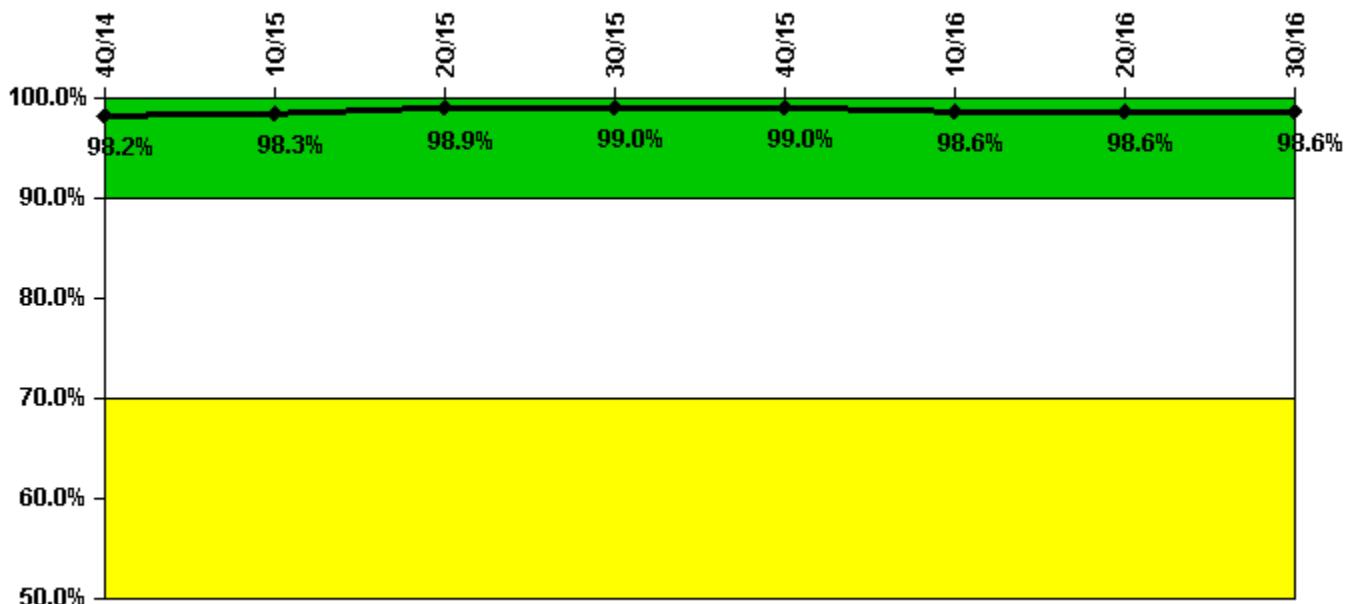
#### Notes

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	0.012	0.012	0.019	0.018	0.025	0.021	0.014	0.014	0.156	0.059	0.077	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.1	1.6	0.6	0.8	0.7

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	0.064	0.062	0.014	0.014	0.012	0.017	0.011	0.014	0.042	0.024	0.020	0.016
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.6	0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.2	0.2	0.2

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

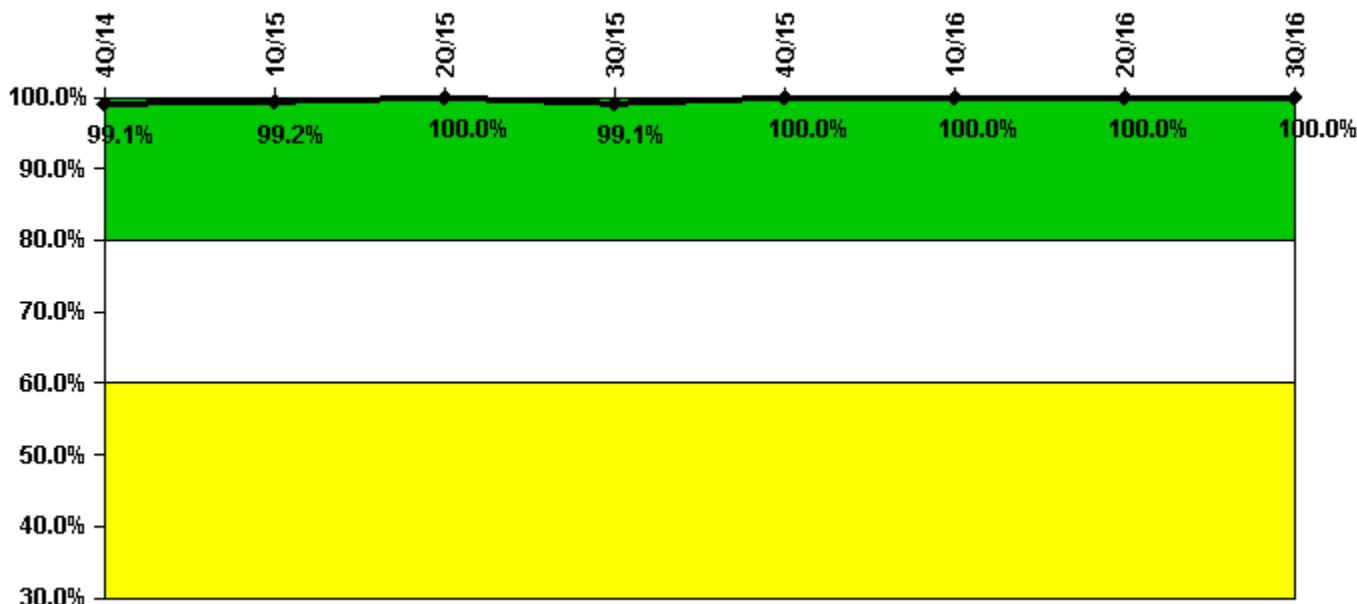
**Notes**

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	20.0	63.0	22.0	59.0	22.0	82.0	39.0	37.0
Total opportunities	20.0	63.0	23.0	59.0	22.0	85.0	40.0	37.0
<b>Indicator value</b>	<b>98.2%</b>	<b>98.3%</b>	<b>98.9%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.6%</b>	<b>98.6%</b>	<b>98.6%</b>

Licensee Comments: none

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### **ERO Drill Participation**



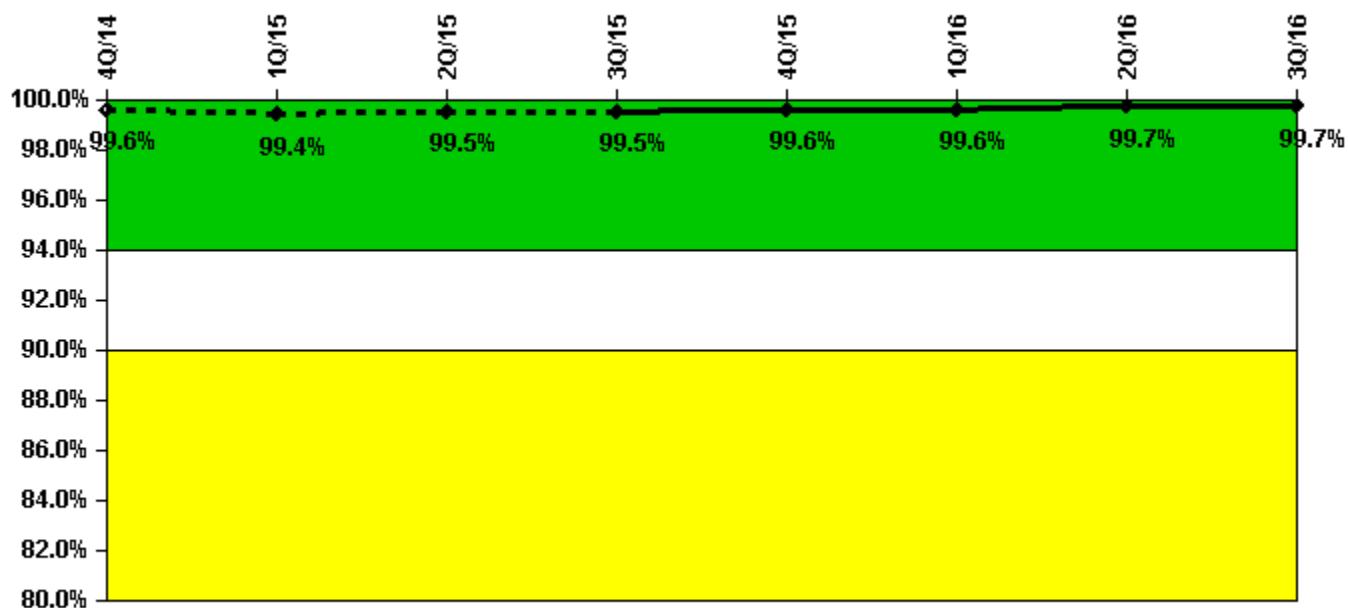
Thresholds: White < 80.0% Yellow < 60.0%

#### **Notes**

<b>ERO Drill Participation</b>	<b>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	114.0	118.0	115.0	114.0	120.0	120.0	116.0	120.0
Total Key personnel	115.0	119.0	115.0	115.0	120.0	120.0	116.0	120.0
<b>Indicator value</b>	<b>99.1%</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

## Alert & Notification System



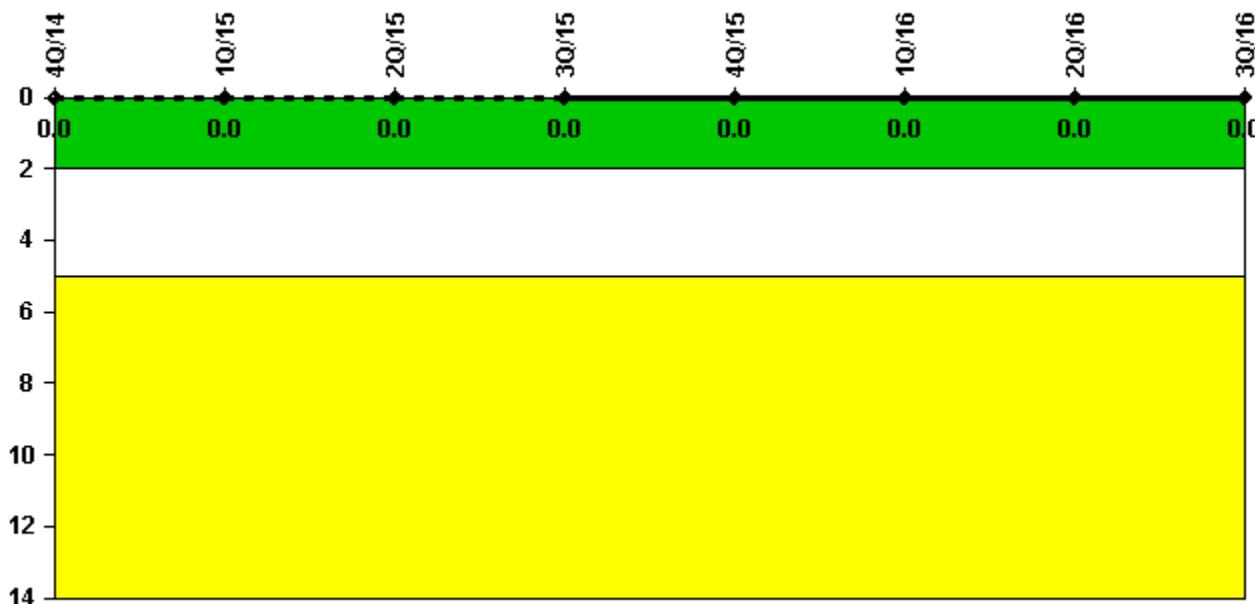
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	1151	1148	1154	1150	1244	1152	1157	1152
Total sirens-tests	1157	1157	1157	1157	1246	1157	1157	1157
<b>Indicator value</b>	<b>99.6%</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.7%</b>	<b>99.7%</b>

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



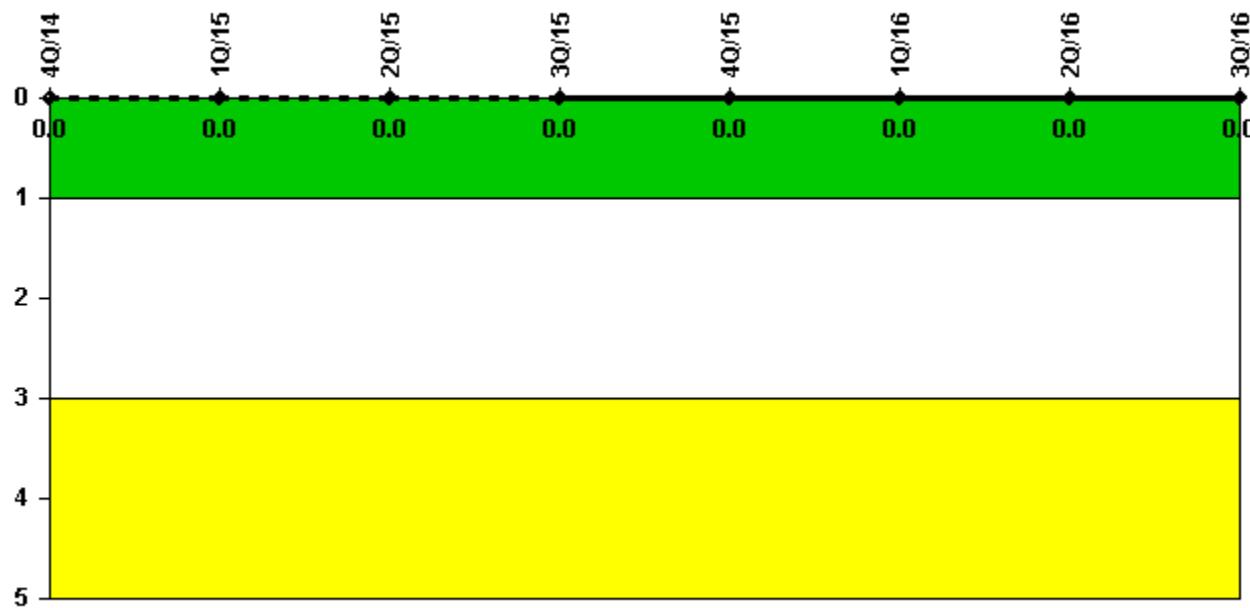
Thresholds: White > 2.0 Yellow > 5.0

#### **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	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/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

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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 23, 2016*

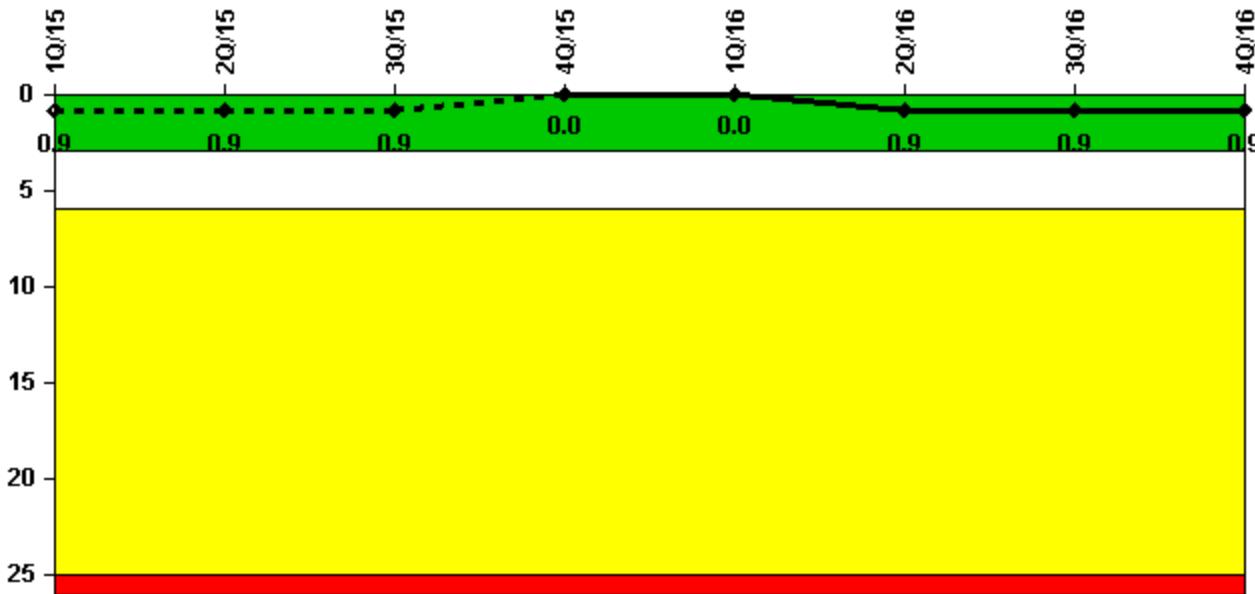
# Farley 2

## 4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



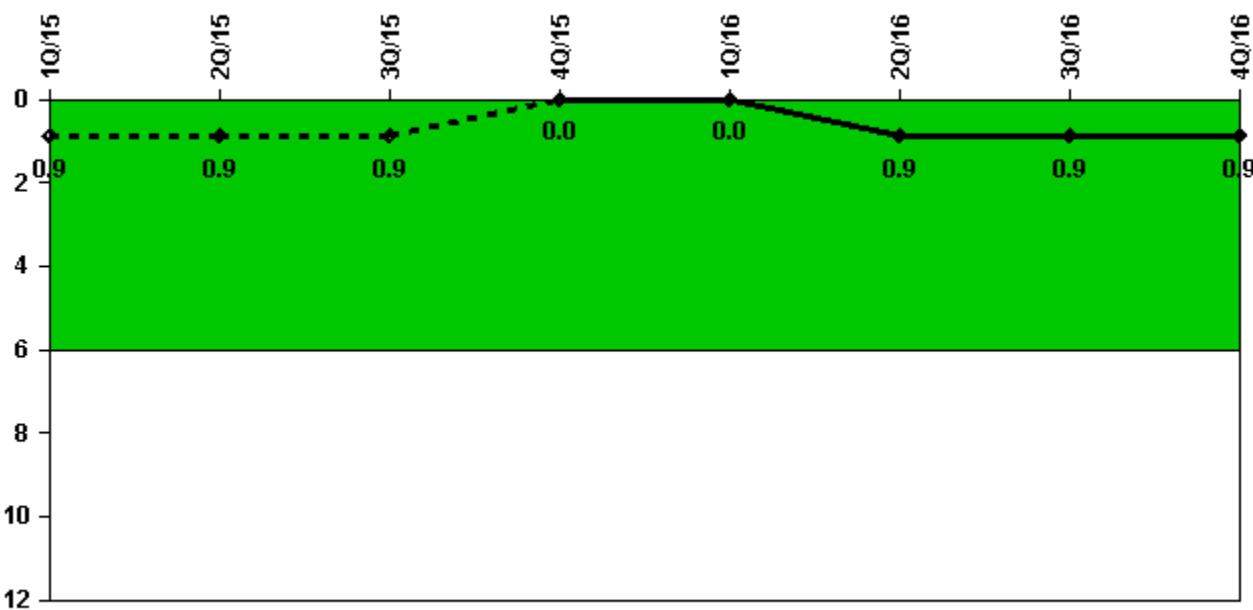
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0	0	0.9	0.9	0.9

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



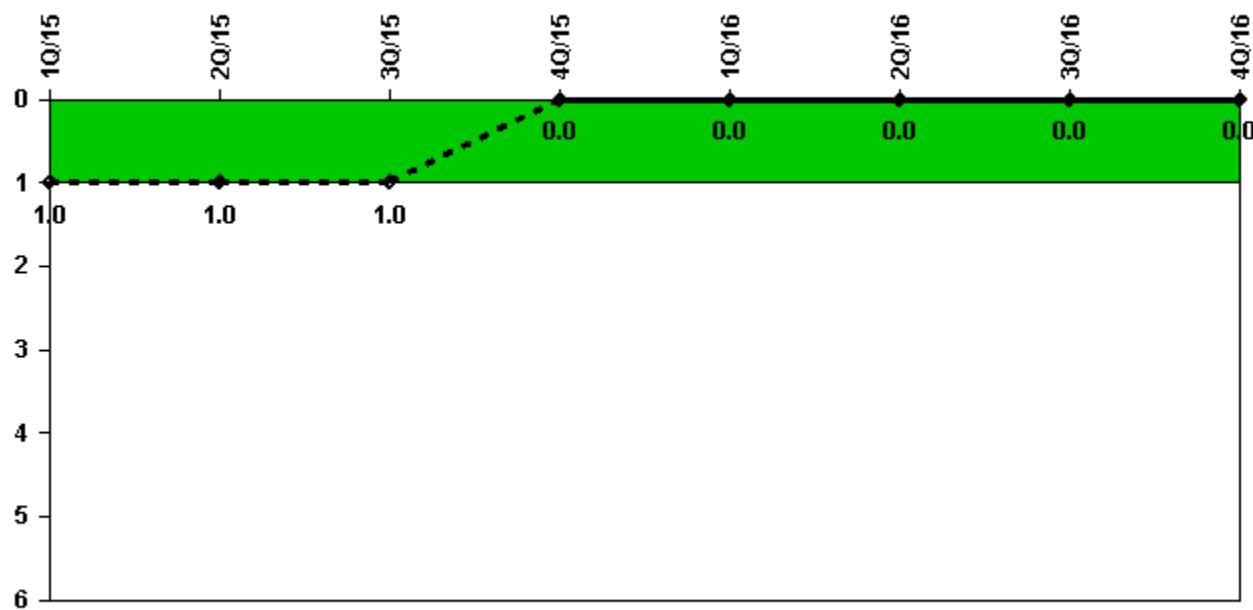
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

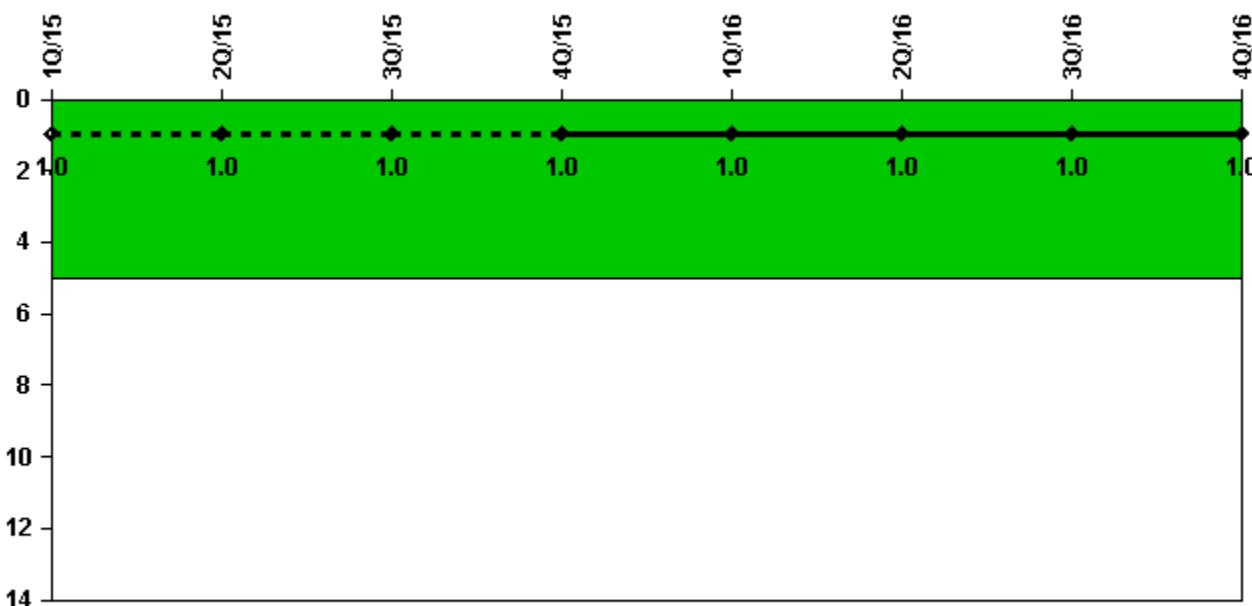
#### Notes

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
Indicator value	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

### Notes

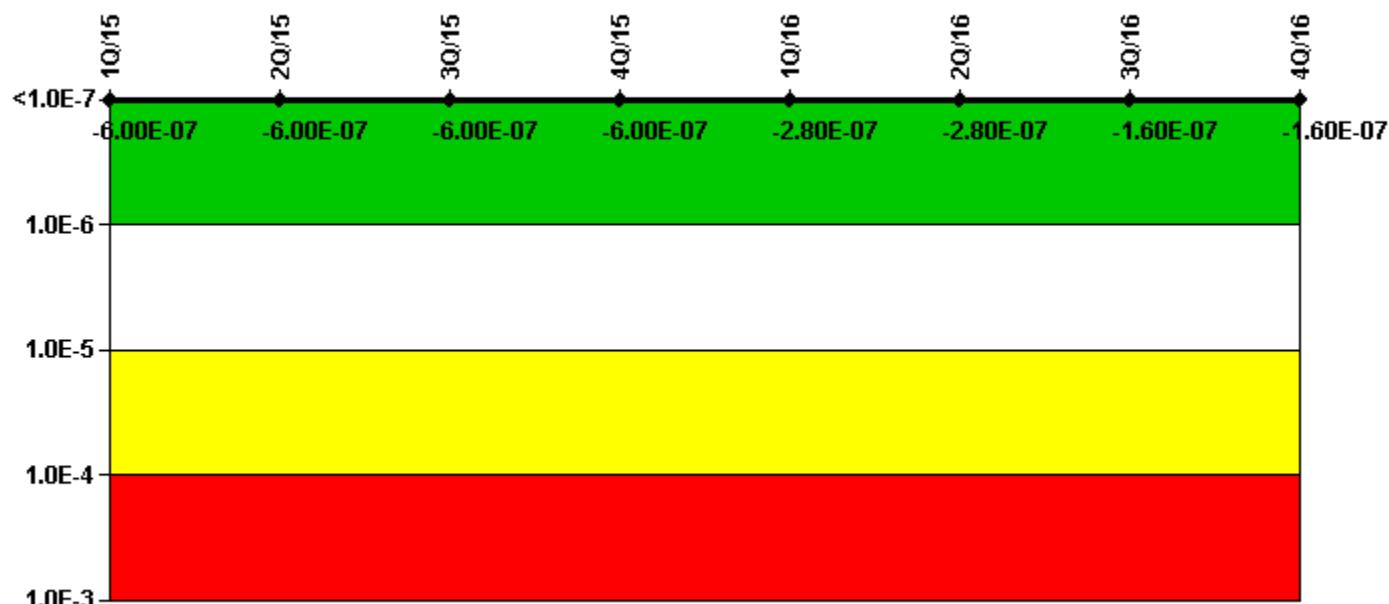
Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	<b>1</b>							

Licensee Comments:

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

1Q/15: LER 2015-001-00-Turbine Driven Auxiliary Feedwater Pump in a Condition Prohibited by Technical Specifications due to a Design Issue

### Mitigating Systems Performance Index, Emergency AC Power System



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

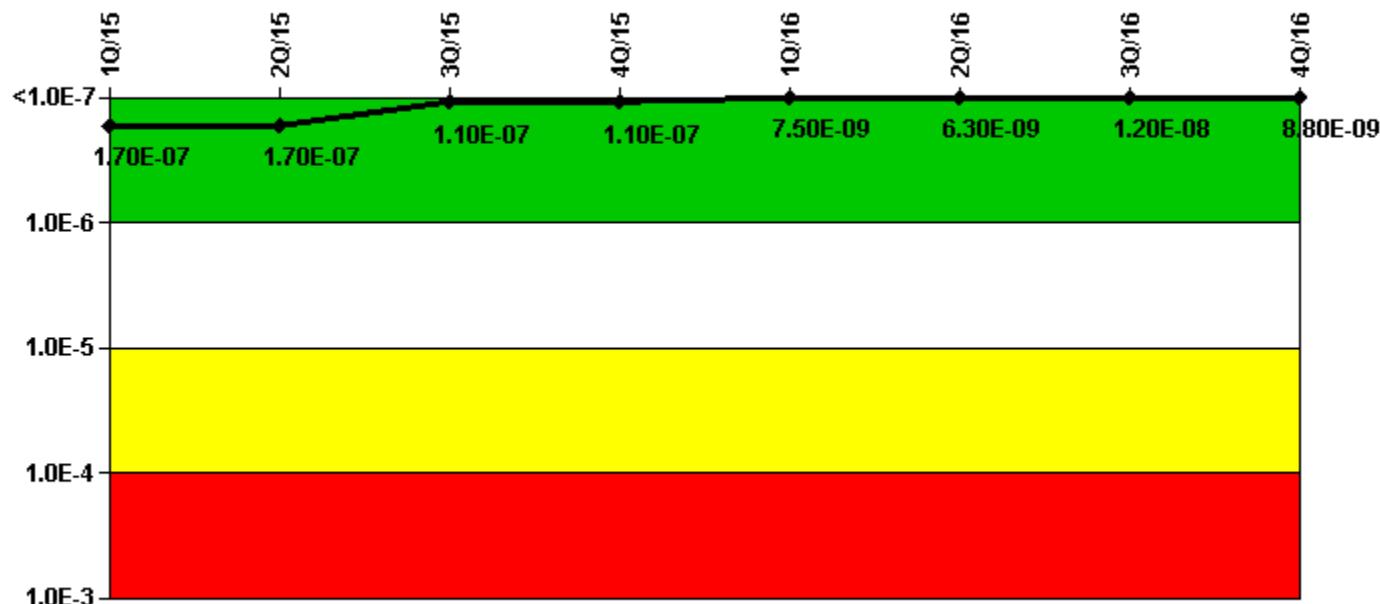
#### Notes

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)	-4.46E-08	-3.76E-08	-3.76E-08	-3.75E-08	-3.03E-08	-3.01E-08	-1.78E-08	-1.78E-08
URI ( $\Delta$ CDF)	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-2.47E-07	-2.47E-07	-1.41E-07	-1.42E-07
PLE	NO							
<b>Indicator value</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>

Licensee Comments:

3Q/16: 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

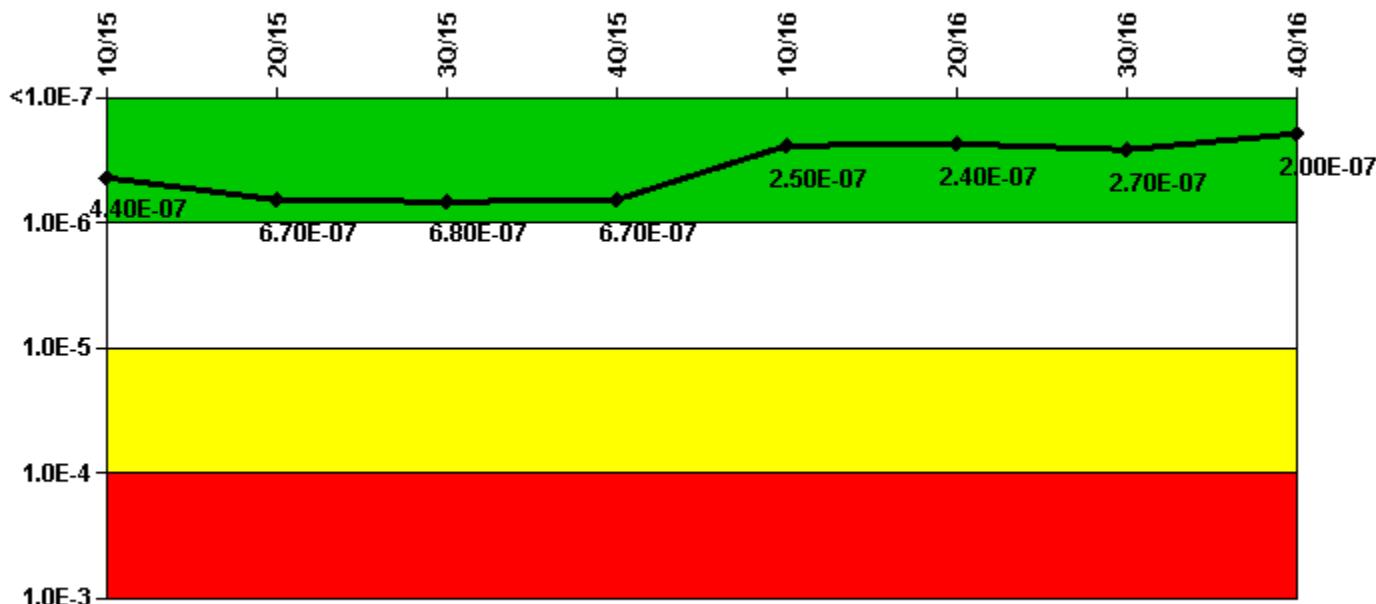
### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	1.94E-07	1.96E-07	1.37E-07	1.40E-07	2.19E-08	2.07E-08	1.53E-08	1.20E-08
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-1.43E-08	-1.43E-08	-3.23E-09	-3.23E-09
PLE	NO							
<b>Indicator value</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.10E-07</b>	<b>1.10E-07</b>	<b>7.50E-09</b>	<b>6.30E-09</b>	<b>1.20E-08</b>	<b>8.80E-09</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Heat Removal System



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

### Notes

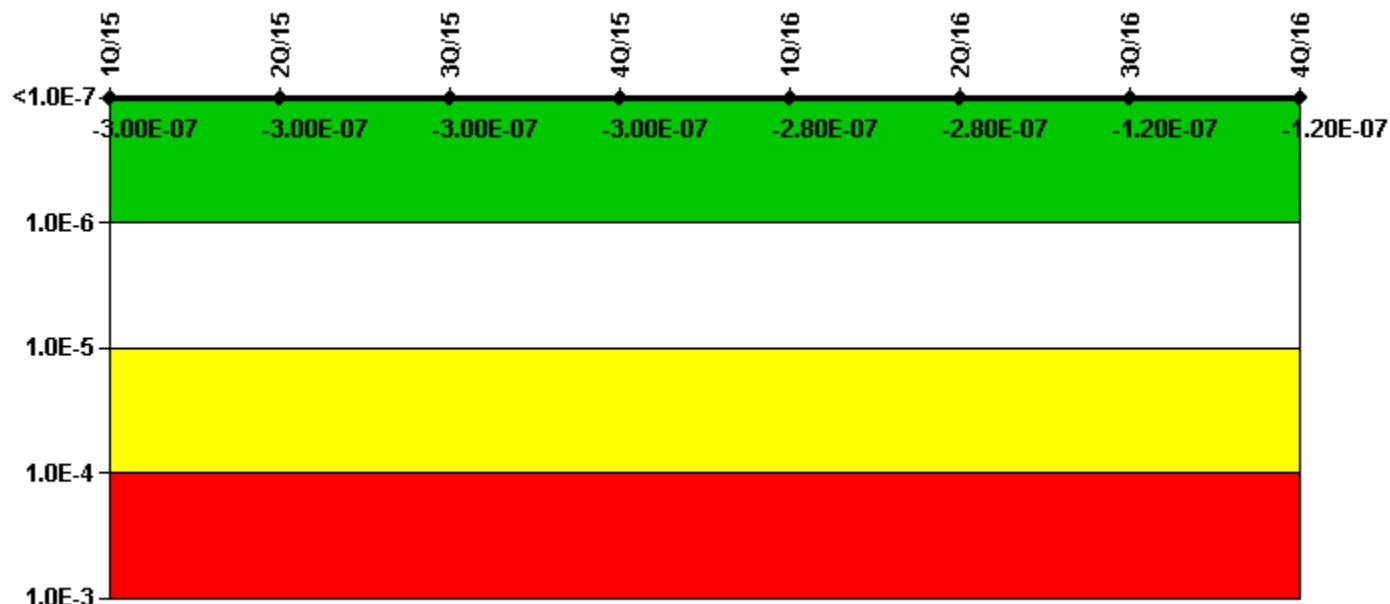
Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	2.18E-07	2.21E-07	2.35E-07	2.22E-07	1.09E-07	1.03E-07	1.28E-07	6.44E-08
URI ( $\Delta$ CDF)	2.25E-07	4.44E-07	4.44E-07	4.44E-07	1.40E-07	1.40E-07	1.39E-07	1.39E-07
PLE	NO							
<b>Indicator value</b>	<b>4.40E-07</b>	<b>6.70E-07</b>	<b>6.80E-07</b>	<b>6.70E-07</b>	<b>2.50E-07</b>	<b>2.40E-07</b>	<b>2.70E-07</b>	<b>2.00E-07</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## Mitigating Systems Performance Index, Residual Heat Removal System



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

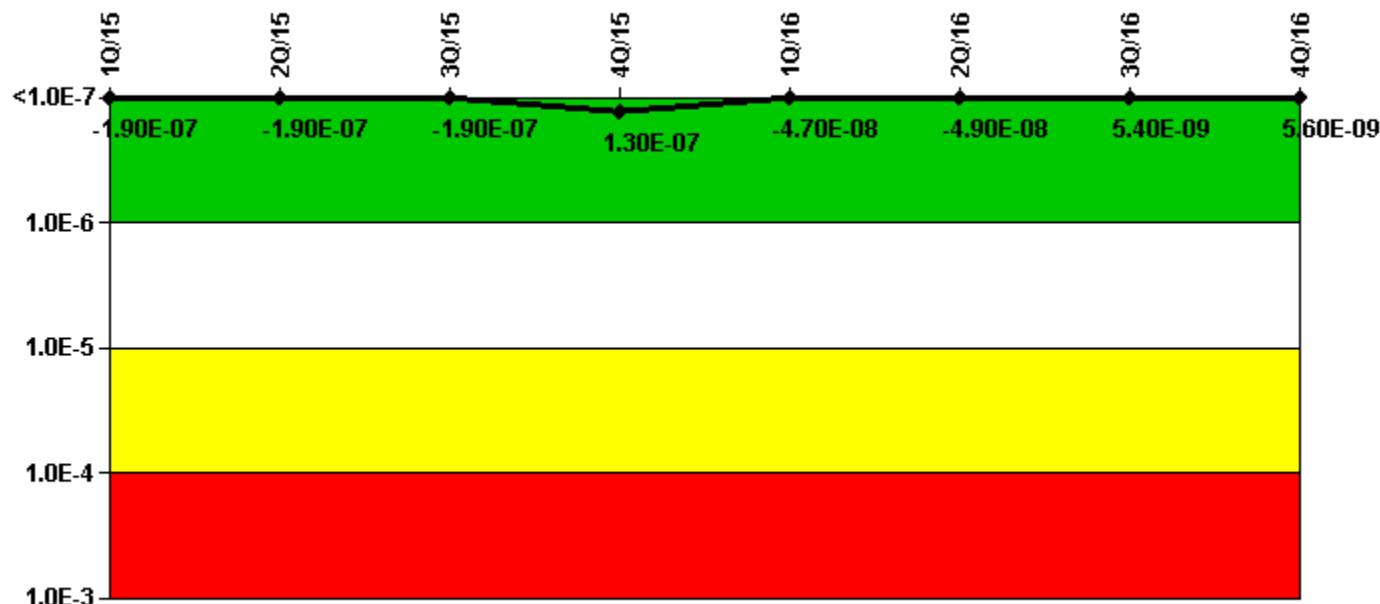
### Notes

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)	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.60E-08	-7.60E-08	-3.01E-08	-3.01E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.25E-07	-2.25E-07	-2.25E-07	-2.05E-07	-2.05E-07	-9.49E-08	-9.49E-08
PLE	NO							
Indicator value	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-3.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>	<b>-1.20E-07</b>	<b>-1.20E-07</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Cooling Water Systems



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

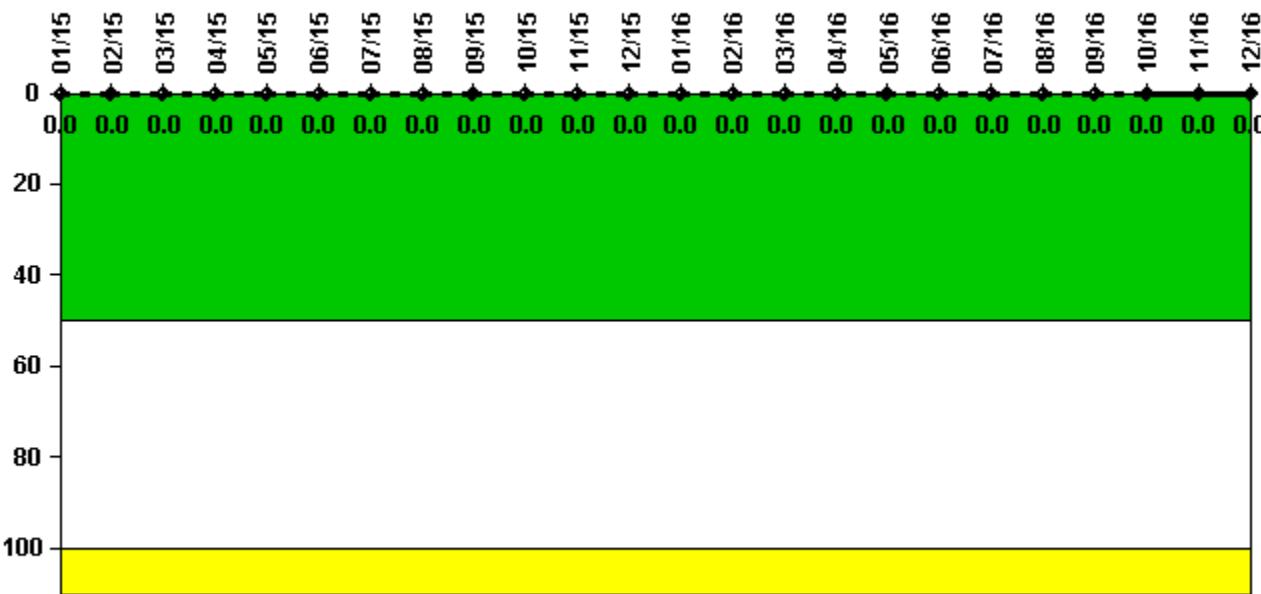
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI ( $\Delta$ CDF)	2.38E-08	2.30E-08	2.33E-08	2.71E-08	3.82E-08	3.63E-08	3.59E-09	3.76E-09
URI ( $\Delta$ CDF)	-2.12E-07	-2.12E-07	-2.12E-07	9.84E-08	-8.50E-08	-8.50E-08	1.83E-09	1.83E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>-1.90E-07</b>	<b>1.30E-07</b>	<b>-4.70E-08</b>	<b>-4.90E-08</b>	<b>5.40E-09</b>	<b>5.60E-09</b>

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

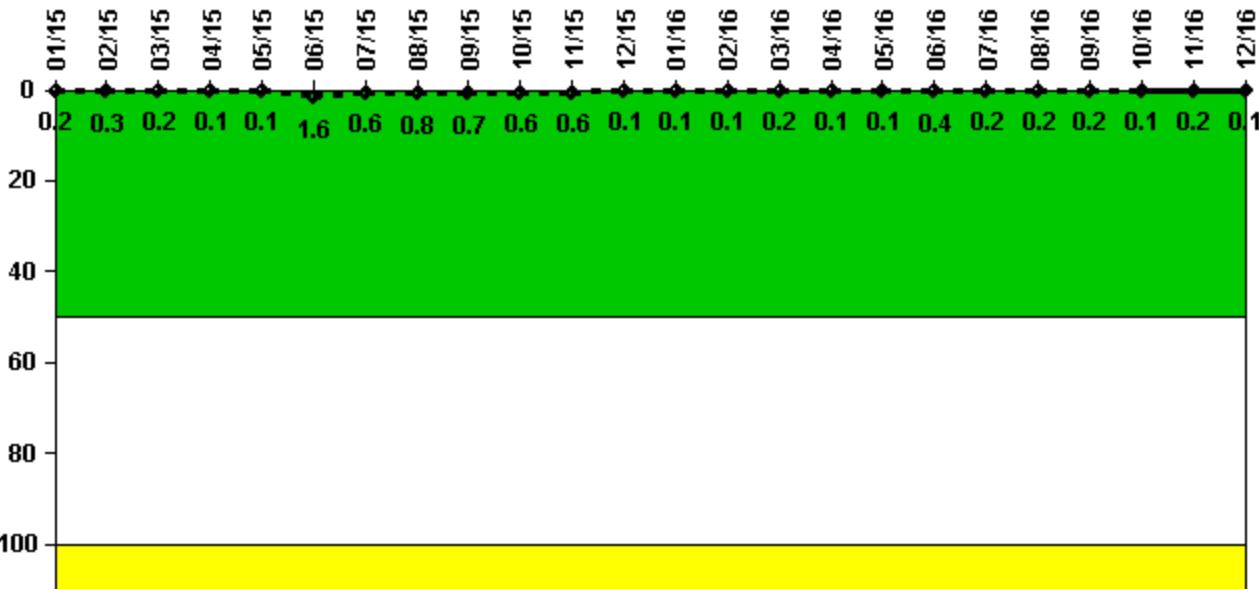
Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000029	0.000034	0.000038	0.000032	0.000037	0.000038	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000042	0.000046	0.000047	0.000042	0.000025	0.000023	0.000041	0.000038	0.000035	0.000057	0.000034	0.000036
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



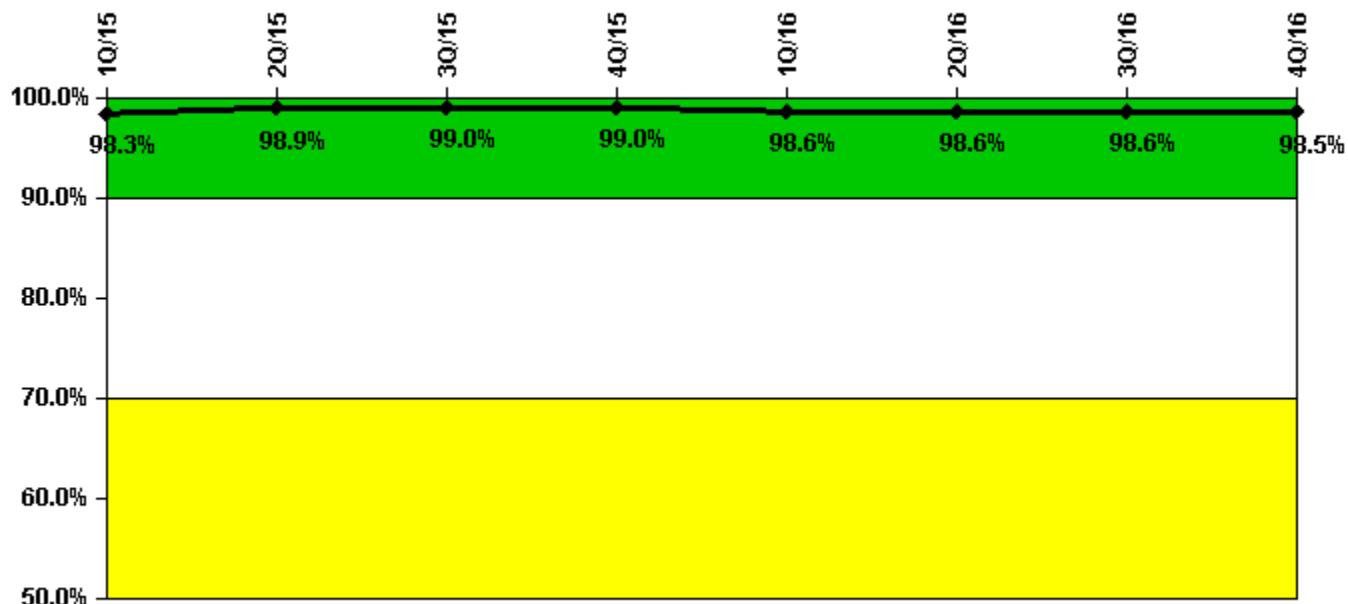
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.018	0.025	0.021	0.014	0.014	0.156	0.059	0.077	0.074	0.064	0.062	0.014
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.2	0.1	0.1	1.6	0.6	0.8	0.7	0.6	0.6	0.1
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	0.014	0.012	0.017	0.011	0.014	0.042	0.024	0.020	0.016	0.013	0.016	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.4	0.2	0.2	0.2	0.1	0.2	0.1

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

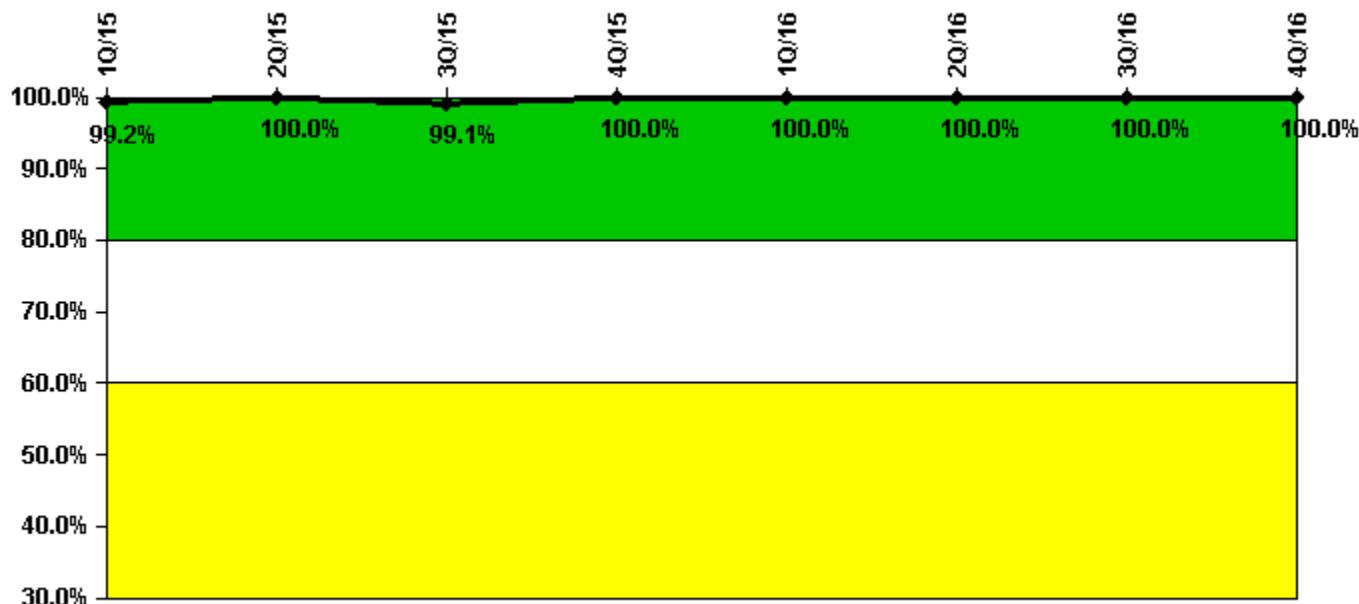
#### Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	63.0	22.0	59.0	22.0	82.0	39.0	37.0	6.0
Total opportunities	63.0	23.0	59.0	22.0	85.0	40.0	37.0	6.0
<b>Indicator value</b>	<b>98.3%</b>	<b>98.9%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>98.6%</b>	<b>98.6%</b>	<b>98.6%</b>	<b>98.5%</b>

Licensee Comments: none

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### **ERO Drill Participation**



Thresholds: White < 80.0% Yellow < 60.0%

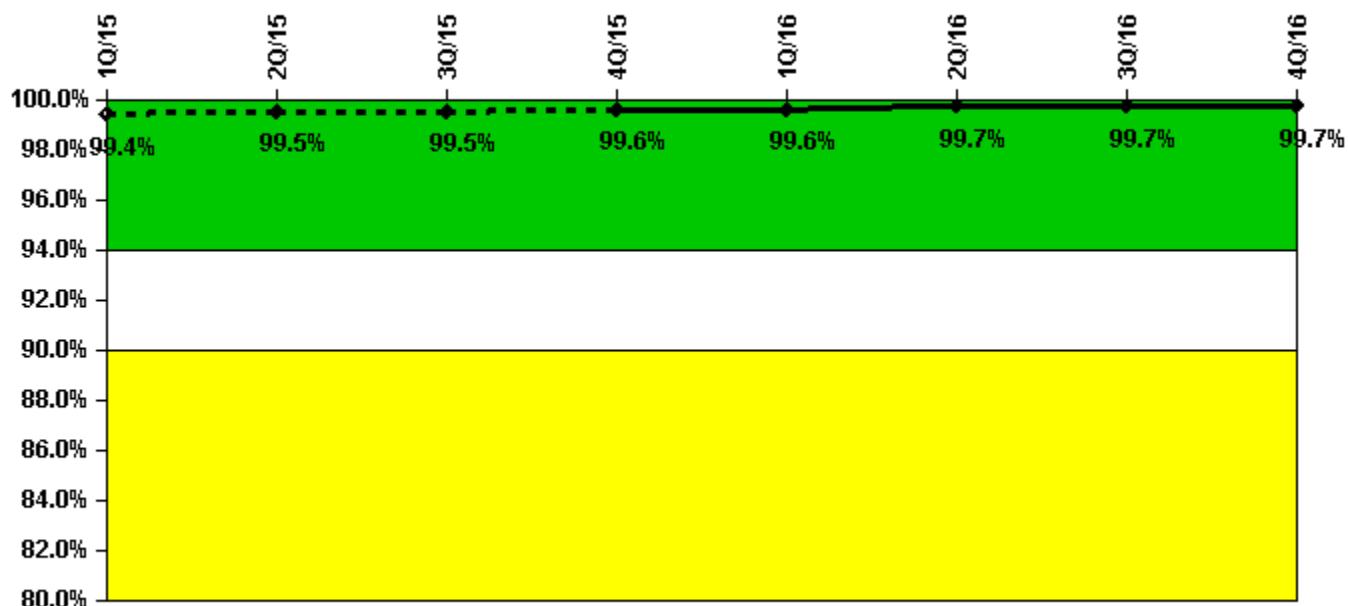
#### **Notes**

<b>ERO Drill Participation</b>	<b>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	118.0	115.0	114.0	120.0	120.0	116.0	120.0	121.0
Total Key personnel	119.0	115.0	115.0	120.0	120.0	116.0	120.0	121.0
<b>Indicator value</b>	<b>99.2%</b>	<b>100.0%</b>	<b>99.1%</b>	<b>100.0%</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



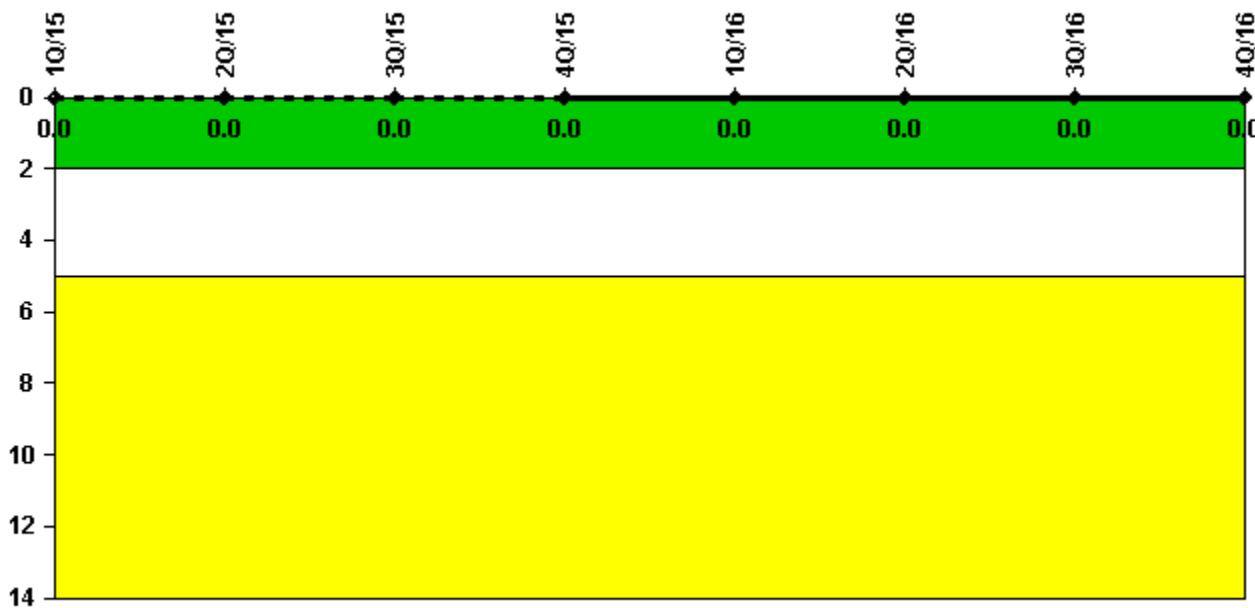
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	1148	1154	1150	1244	1152	1157	1152	1244
Total sirens-tests	1157	1157	1157	1246	1157	1157	1157	1246
<b>Indicator value</b>	<b>99.4%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>99.6%</b>	<b>99.6%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>

Licensee Comments: none

### **Occupational Exposure Control Effectiveness**



Thresholds: White > 2.0 Yellow > 5.0

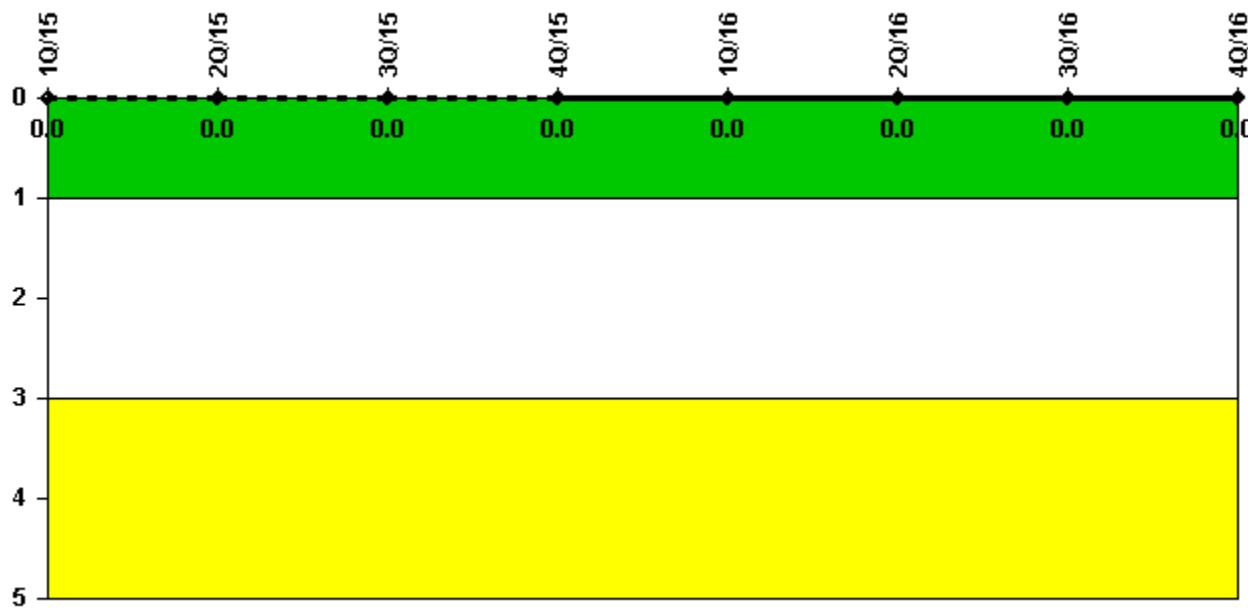
#### **Notes**

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>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.

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

*Last Modified: January 24, 2017*



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## **Farley 2 – Quarterly Performance Indicators**

### **1Q/2017 Performance Indicators**

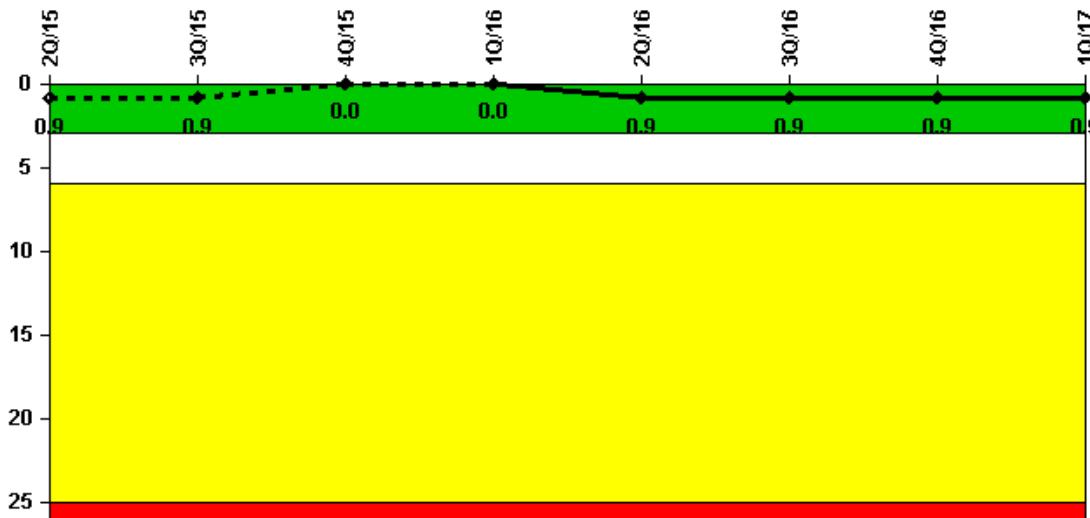
The solid trend line represents the current reporting period.

Licensee's General Comments: EP-Wrong data submitted in 2016Q1 but corrected in 2017Q1. The color of this indicator is not impacted.

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

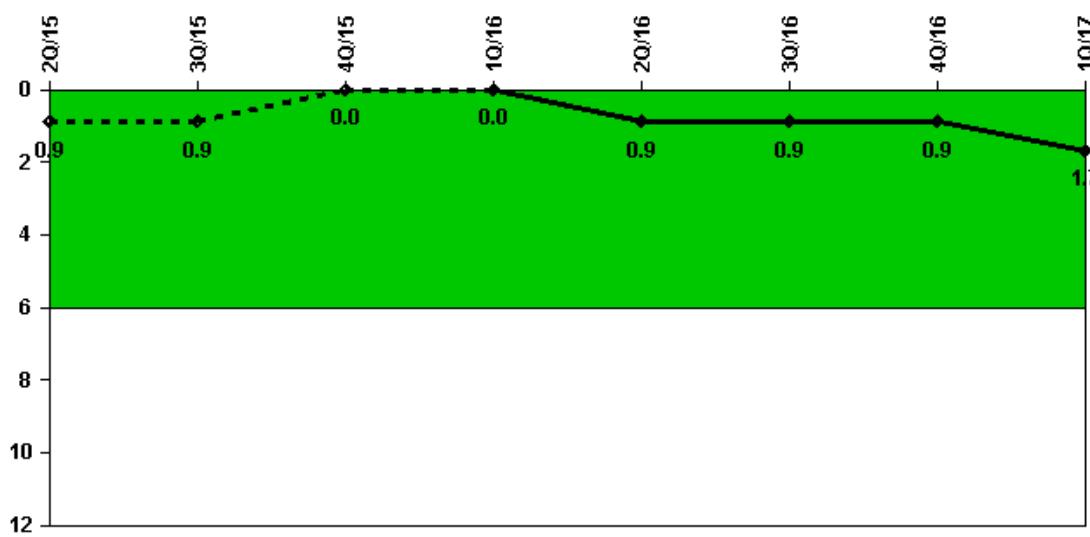
<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>2Q/15</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0

#### Indicator value



Licensee Comments: none

### **Unplanned Power Changes per 7000 Critical Hrs**



**Thresholds: White > 6.0**

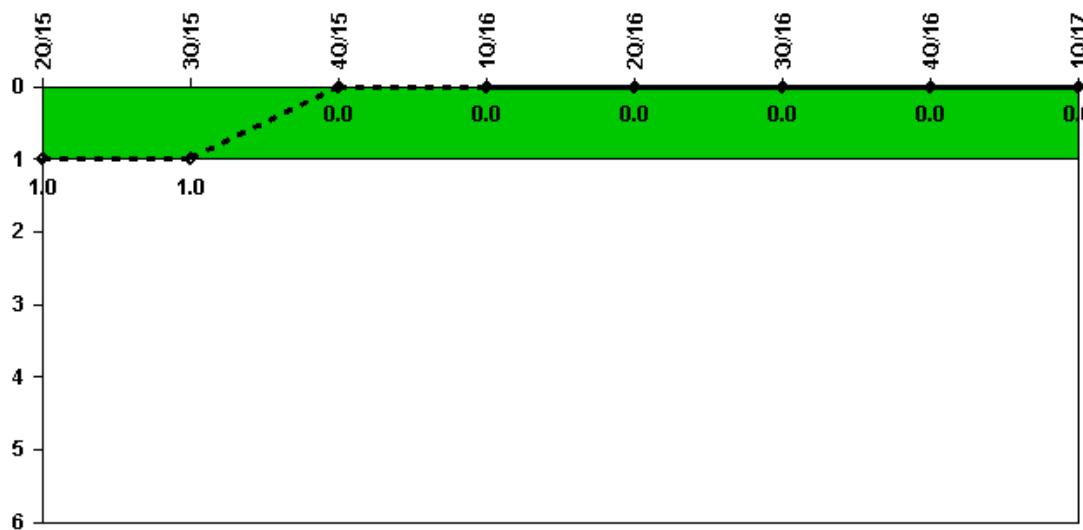
**Notes**

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	1.0	0	0	1.0
Critical hours	2184.0	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0

Indicator value      0.9    0.9    0    0    0.9    0.9    0.9    1.7

 TOP

Licensee Comments: none

**Unplanned Scrams with Complications**

Thresholds: White &gt; 1.0

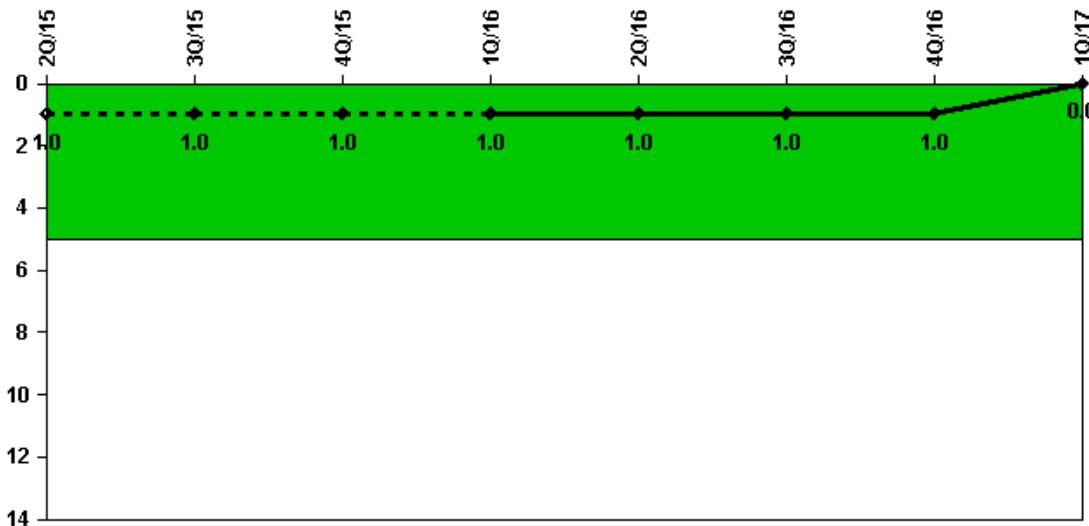
**Notes**

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      1.0    1.0    0.0    0.0    0.0    0.0    0.0    0.0

 TOP

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White &gt; 5.0

**Notes**

<b>Safety System Functional Failures (PWR)</b>	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	0	0	0	1	0	0	0	0

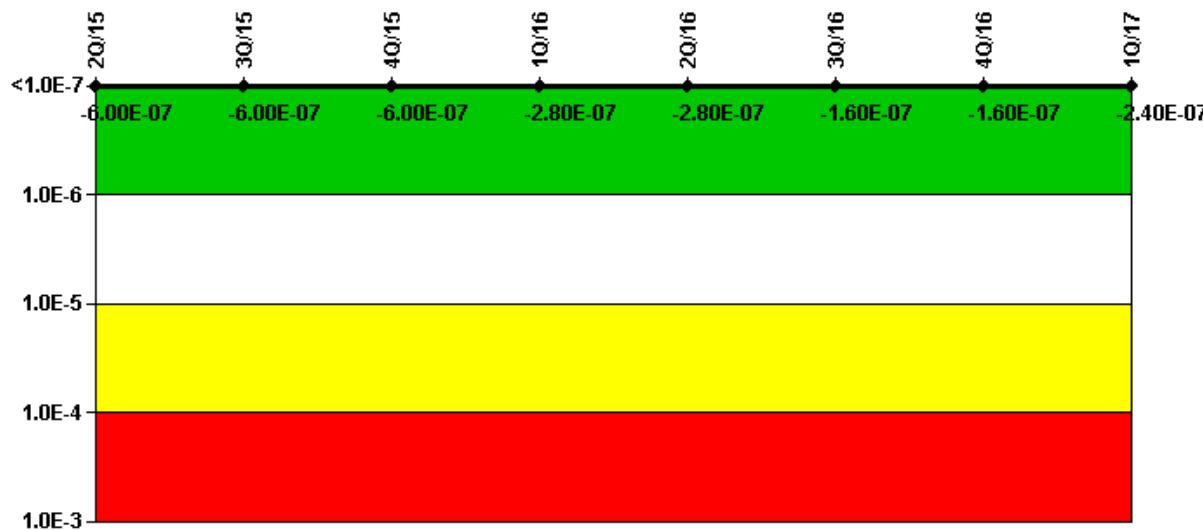
<b>Indicator value</b>	1	1	1	1	1	1	1	0
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## Licensee Comments:

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

## 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

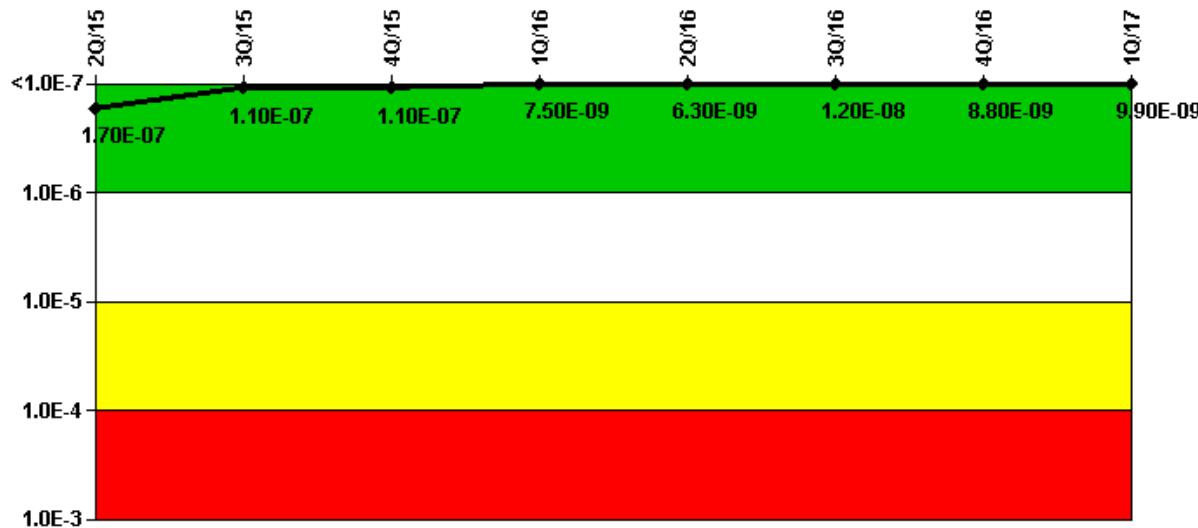
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	-3.76E-08	-3.76E-08	-3.75E-08	-3.03E-08	-3.01E-08	-1.78E-08	-1.78E-08	-2.55E-08
URI ( $\Delta$ CDF)	-5.60E-07	-5.60E-07	-5.60E-07	-2.47E-07	-2.47E-07	-1.41E-07	-1.42E-07	-2.10E-07
PLE	NO							
Indicator value	-6.00E-07	-6.00E-07	-6.00E-07	-2.80E-07	-2.80E-07	-1.60E-07	-1.60E-07	-2.40E-07

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Licensee Comments:

3Q/16: 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

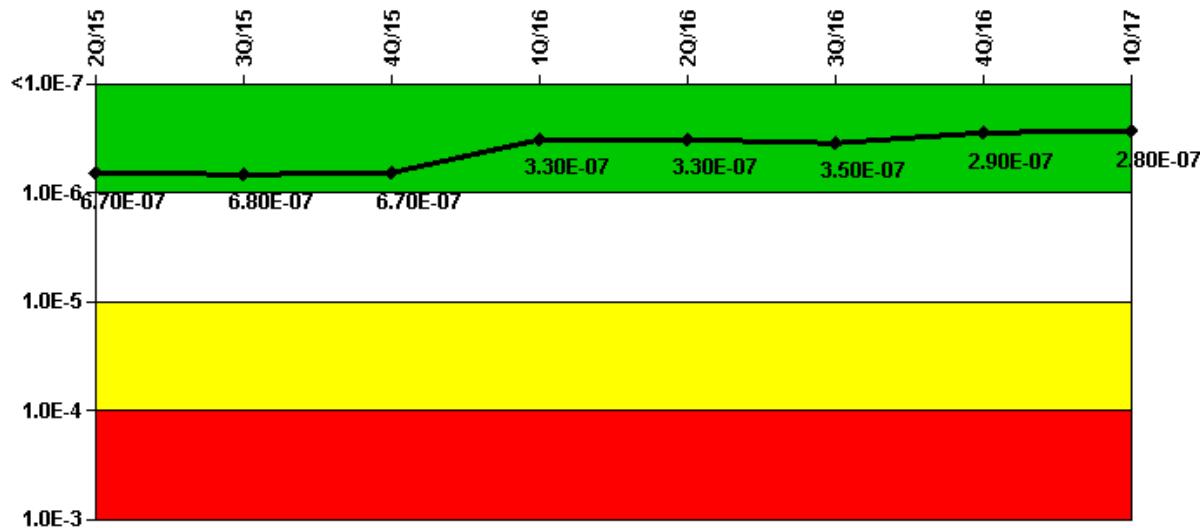
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	1.96E-07	1.37E-07	1.40E-07	2.19E-08	2.07E-08	1.53E-08	1.20E-08	1.31E-08
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-2.82E-08	-1.43E-08	-1.43E-08	-3.23E-09	-3.23E-09	-3.23E-09
PLE	NO							
Indicator value	1.70E-07	1.10E-07	1.10E-07	7.50E-09	6.30E-09	1.20E-08	8.80E-09	9.90E-09

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	2.21E-07	2.35E-07	2.22E-07	1.09E-07	1.03E-07	1.28E-07	6.44E-08	5.06E-08
URI ( $\Delta$ CDF)	4.44E-07	4.44E-07	4.44E-07	2.23E-07	2.23E-07	2.26E-07	2.26E-07	2.26E-07
PLE	NO							
Indicator value	6.70E-07	6.80E-07	6.70E-07	3.30E-07	3.30E-07	3.50E-07	2.90E-07	2.80E-07

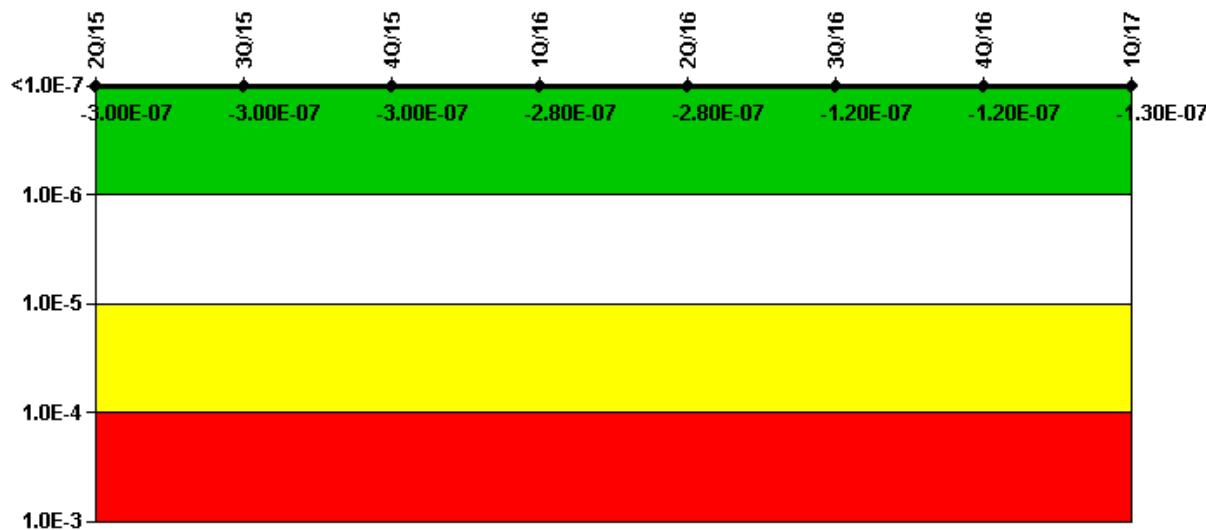
TOP

#### Licensee Comments:

3Q/16: Changed PRA Parameter(s).

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## 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

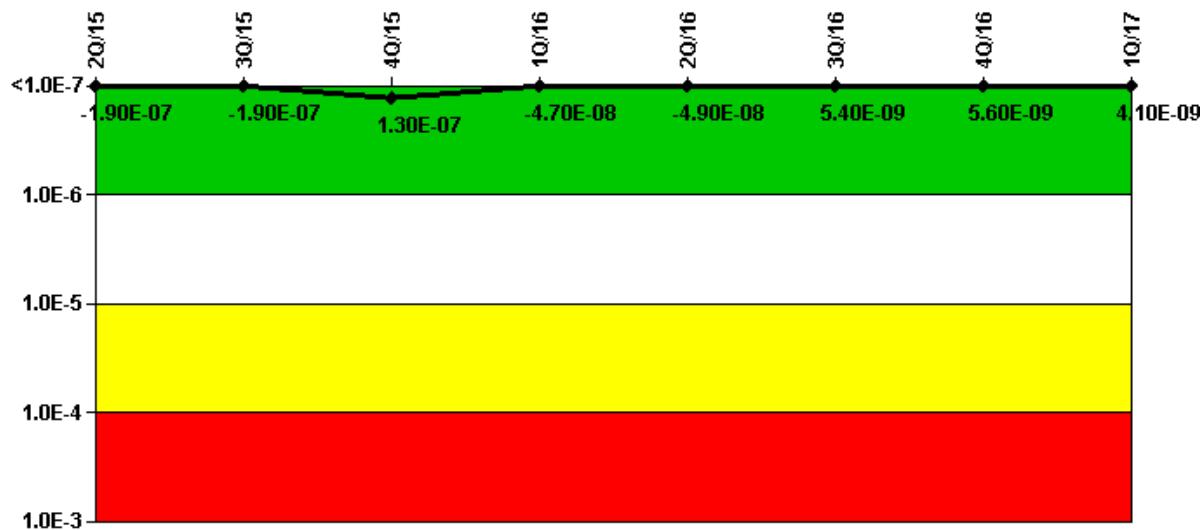
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	-7.74E-08	-7.74E-08	-7.74E-08	-7.60E-08	-7.60E-08	-3.01E-08	-3.01E-08	-3.01E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.25E-07	-2.25E-07	-2.05E-07	-2.05E-07	-9.49E-08	-9.49E-08	-9.49E-08
PLE	NO							
Indicator value	-3.00E-07	-3.00E-07	-3.00E-07	-2.80E-07	-2.80E-07	-1.20E-07	-1.20E-07	-1.30E-07

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Licensee Comments:

3Q/16: 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

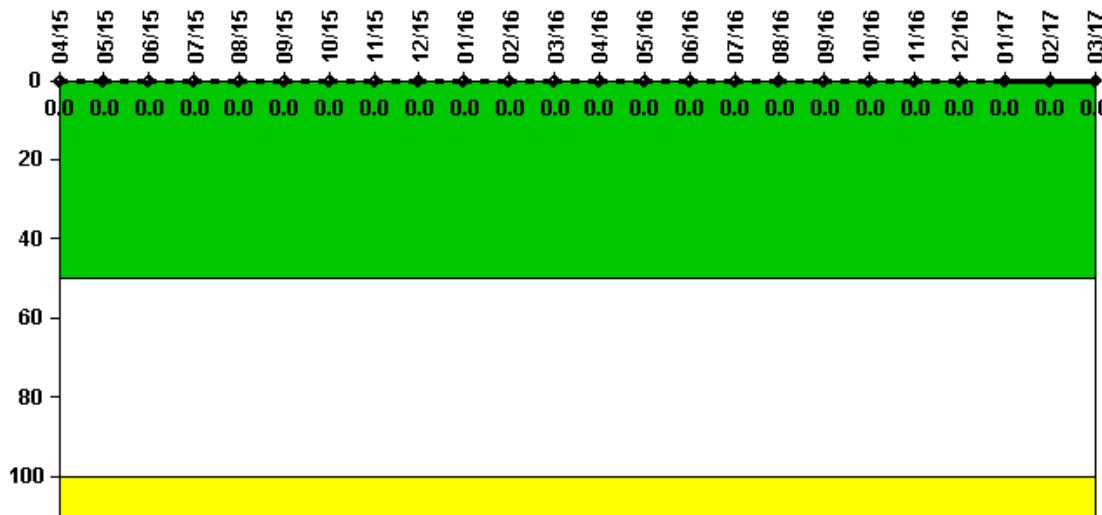
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI ( $\Delta$ CDF)	2.30E-08	2.33E-08	2.71E-08	3.82E-08	3.63E-08	3.59E-09	3.76E-09	2.25E-09
URI ( $\Delta$ CDF)	-2.12E-07	-2.12E-07	9.84E-08	-8.50E-08	-8.50E-08	1.83E-09	1.83E-09	1.83E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-07	-1.90E-07	1.30E-07	-4.70E-08	-4.90E-08	5.40E-09	5.60E-09	4.10E-09

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Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### Reactor Coolant System Activity



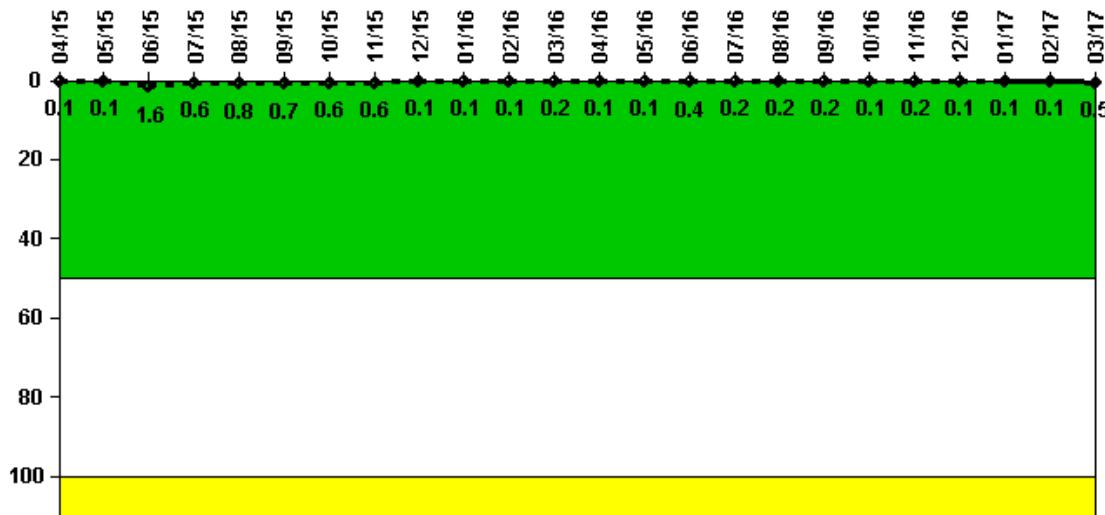
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000032	0.000037	0.000038	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000042	0.000025	0.000023	0.000041	0.000038	0.000035	0.000057	0.000034	0.000036	0.000034	0.000038	0.000042
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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 0.014 0.014 0.156 0.059 0.077 0.074 0.064 0.062 0.014 0.014 0.012 0.017

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

**Indicator value** 0.1 0.1 1.6 0.6 0.8 0.7 0.6 0.6 0.1 0.1 0.1 0.2**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

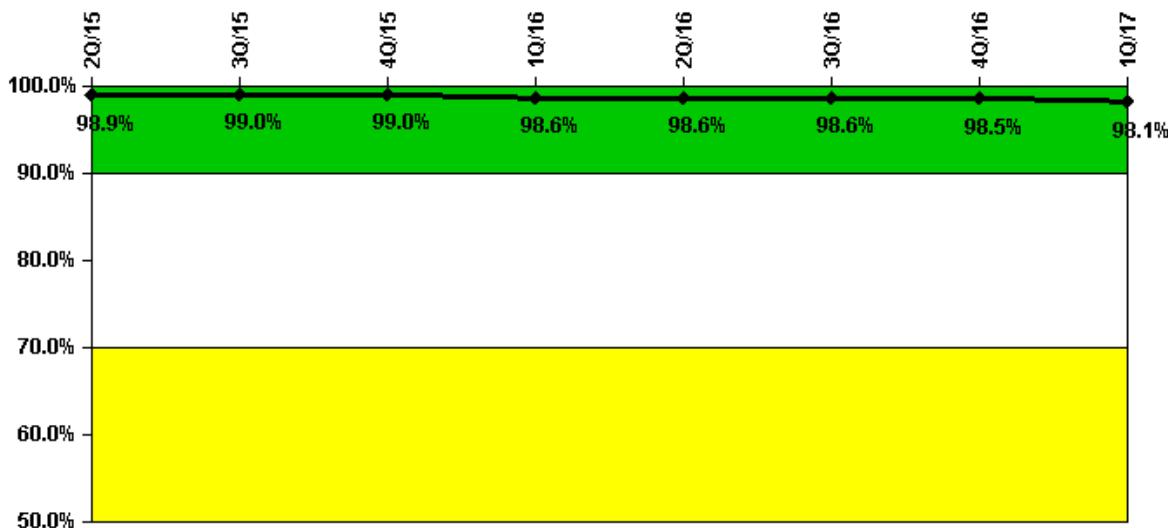
Maximum leakage 0.011 0.014 0.042 0.024 0.020 0.016 0.013 0.016 0.010 0.011 0.013 0.050

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

**Indicator value** 0.1 0.1 0.4 0.2 0.2 0.2 0.1 0.2 0.1 0.1 0.1 0.5

▲ TOP

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

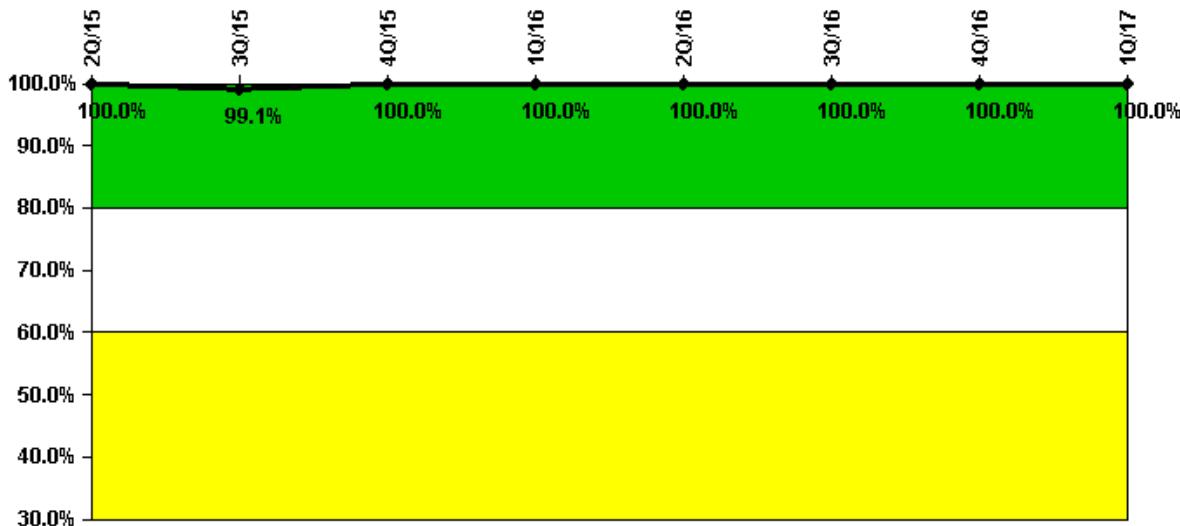
**Notes**

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	22.0	59.0	22.0	84.0	39.0	37.0	6.0	35.0
Total opportunities	23.0	59.0	22.0	87.0	40.0	37.0	6.0	36.0

Indicator value      **98.9% 99.0% 99.0% 98.6% 98.6% 98.6% 98.5% 98.1%**

TOP

Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

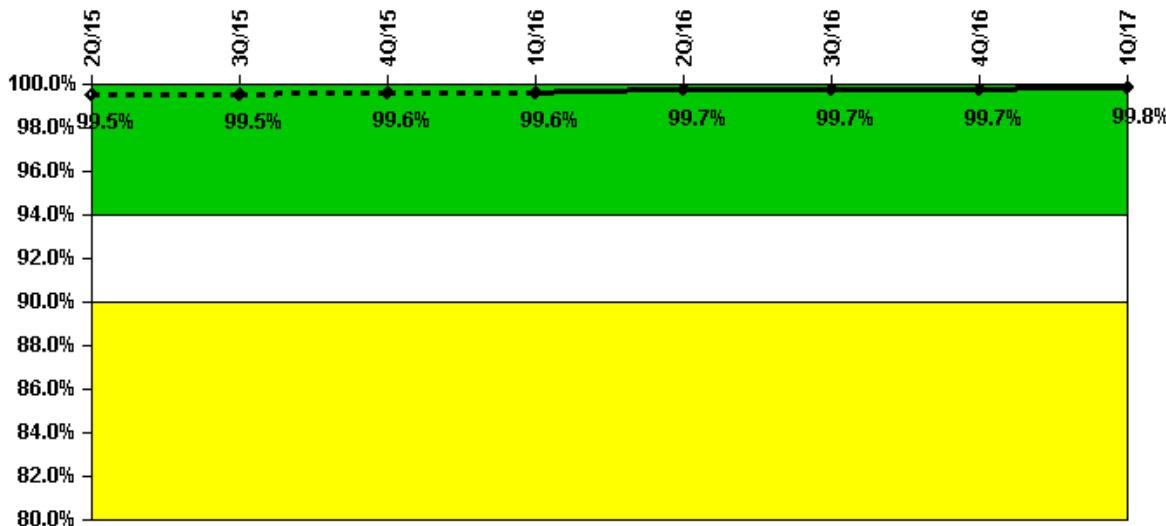
**Notes**

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	115.0	114.0	120.0	120.0	116.0	120.0	121.0	113.0
Total Key personnel	115.0	115.0	120.0	120.0	116.0	120.0	121.0	113.0

Indicator value      100.0% 99.1% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

**Alert & Notification System**

Thresholds: White < 94.0% Yellow < 90.0%

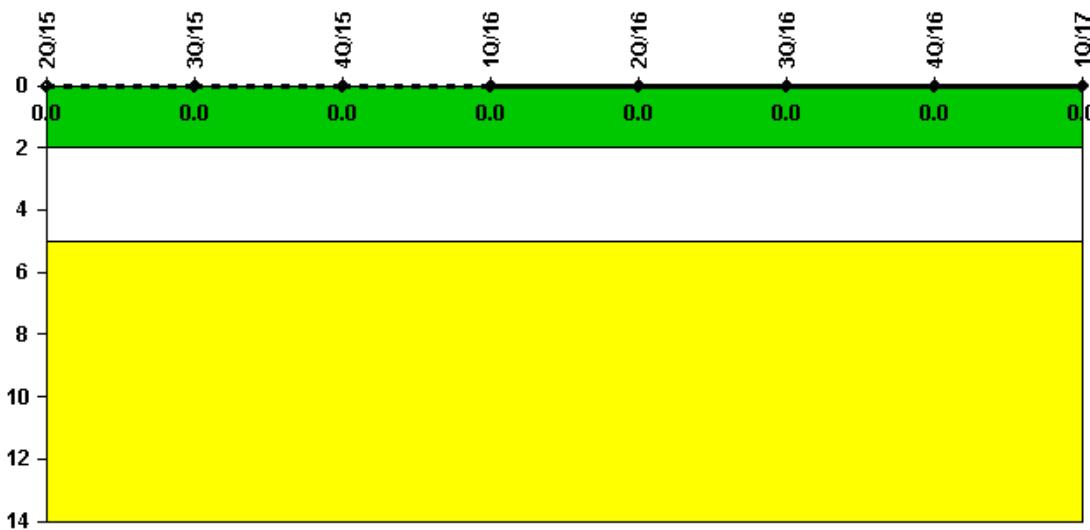
**Notes****Alert & Notification System 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17**

Successful siren-tests	1154	1150	1244	1152	1157	1152	1244	1155
Total sirens-tests	1157	1157	1246	1157	1157	1157	1246	1157

**Indicator value** 99.5% 99.5% 99.6% 99.6% 99.7% 99.7% 99.7% 99.8%

▲ TOP

Licensee Comments: none

**Occupational Exposure Control Effectiveness**

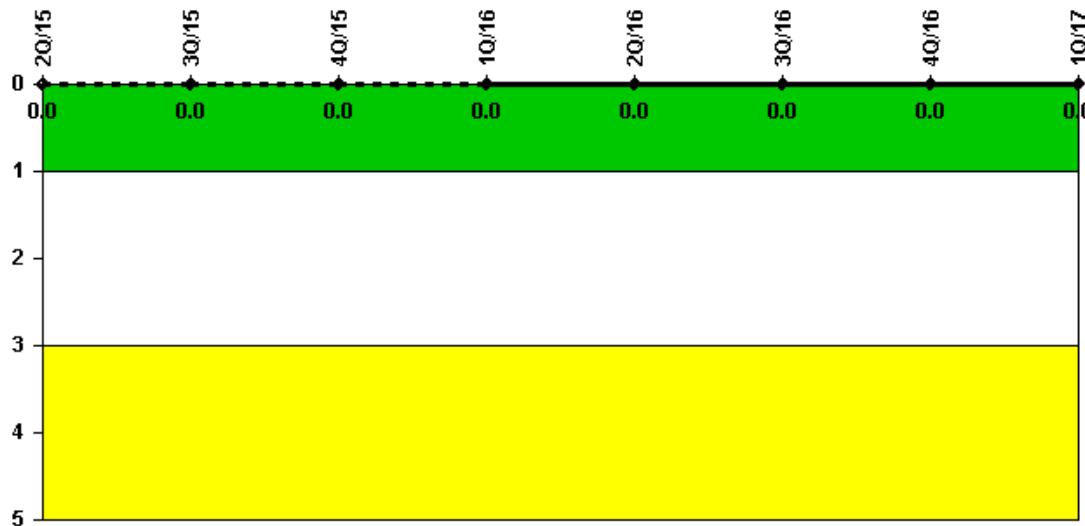
Thresholds: White &gt; 2.0 Yellow &gt; 5.0

**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>0</b>							

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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

**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: May 5, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*



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## Farley 2 – Quarterly Performance Indicators

### 2Q/2017 Performance Indicators

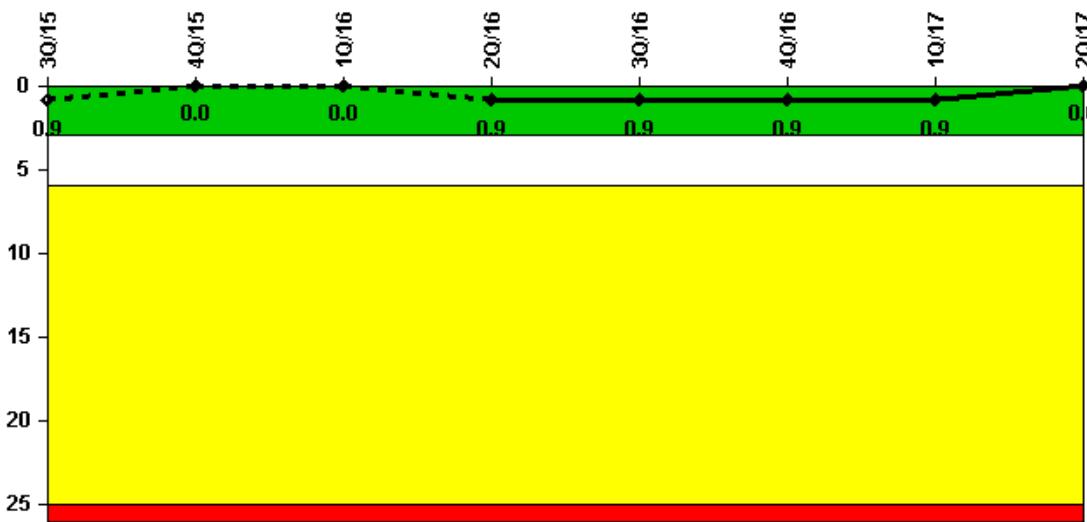
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
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- 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

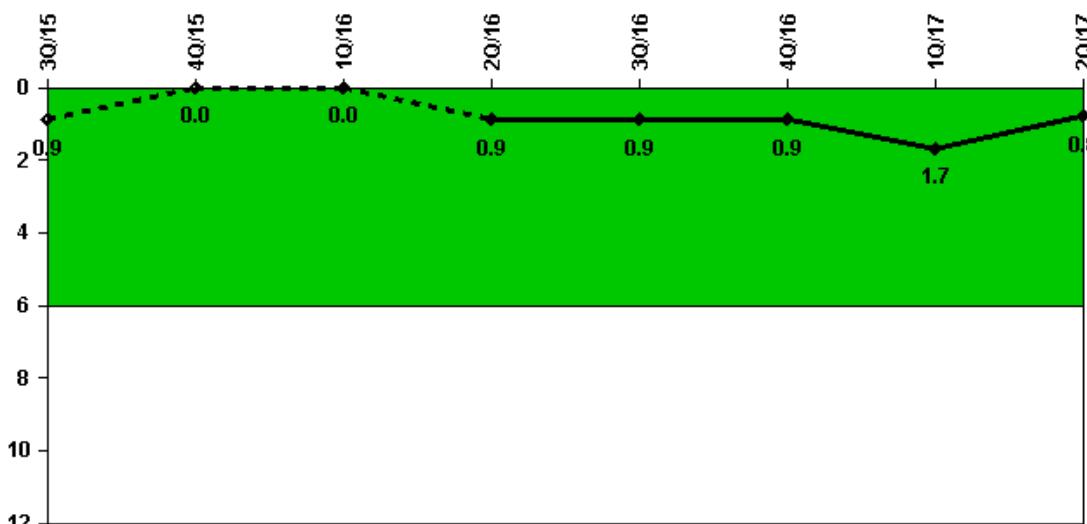
<b>Unplanned Scrams per 7000 Critical Hrs</b>	<b>3Q/15</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0

## Indicator value



Licensee Comments: none

### **Unplanned Power Changes per 7000 Critical Hrs**



Thresholds: White > 6.0

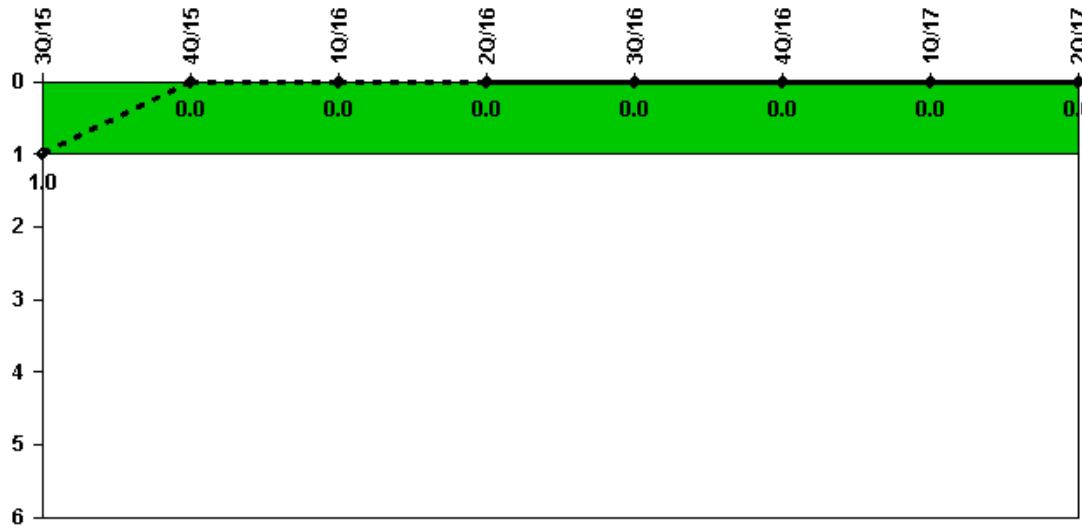
**Notes**

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0

**Indicator value**      **0.9**    **0**    **0**    **0.9**    **0.9**    **0.9**    **1.7**    **0.8**

 TOP

Licensee Comments: none

**Unplanned Scrams with Complications**

Thresholds: White > 1.0

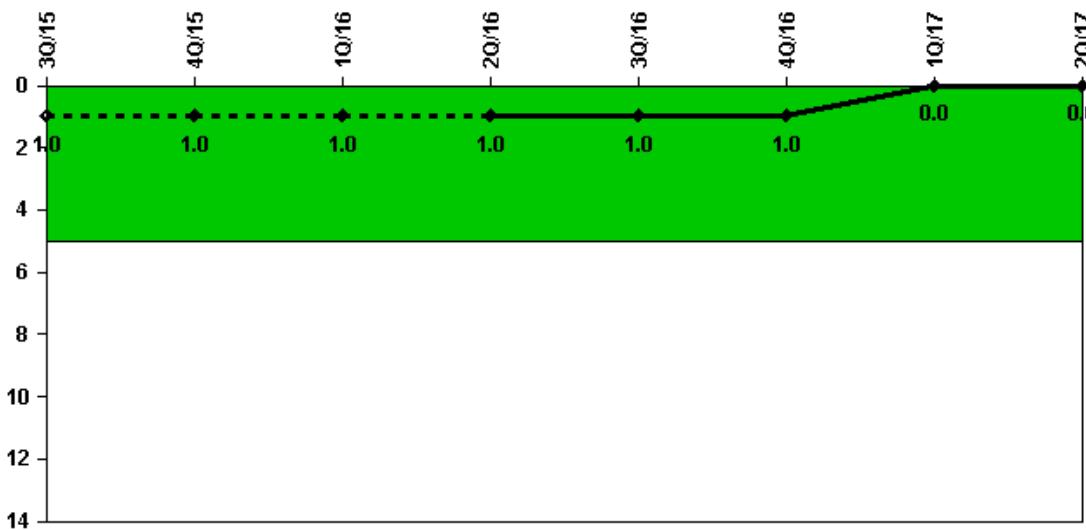
**Notes**

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0

**Indicator value**      **1.0**    **0.0**    **0.0**    **0.0**    **0.0**    **0.0**    **0.0**    **0.0**

 TOP

Licensee Comments: none

**Safety System Functional Failures (PWR)**

Thresholds: White > 5.0

**Notes**

**Safety System Functional Failures (PWR)** 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17  
Safety System Functional Failures                    0        0        1        0        0        0        0        0

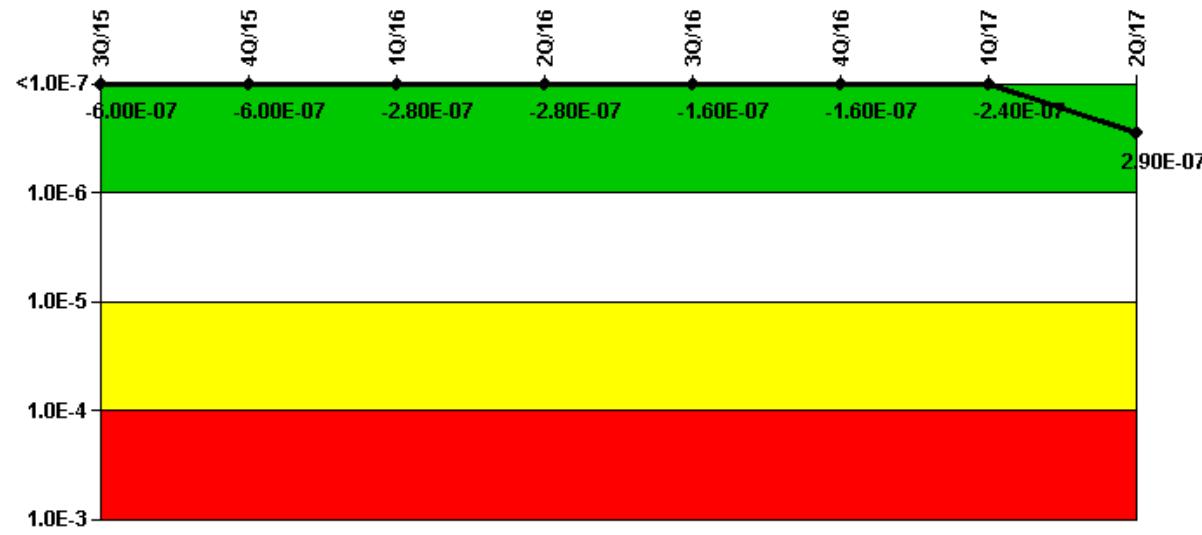
**Indicator value**                                    1        1        1        1        1        1        0        0

▲ TOP

**Licensee Comments:**

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

## 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

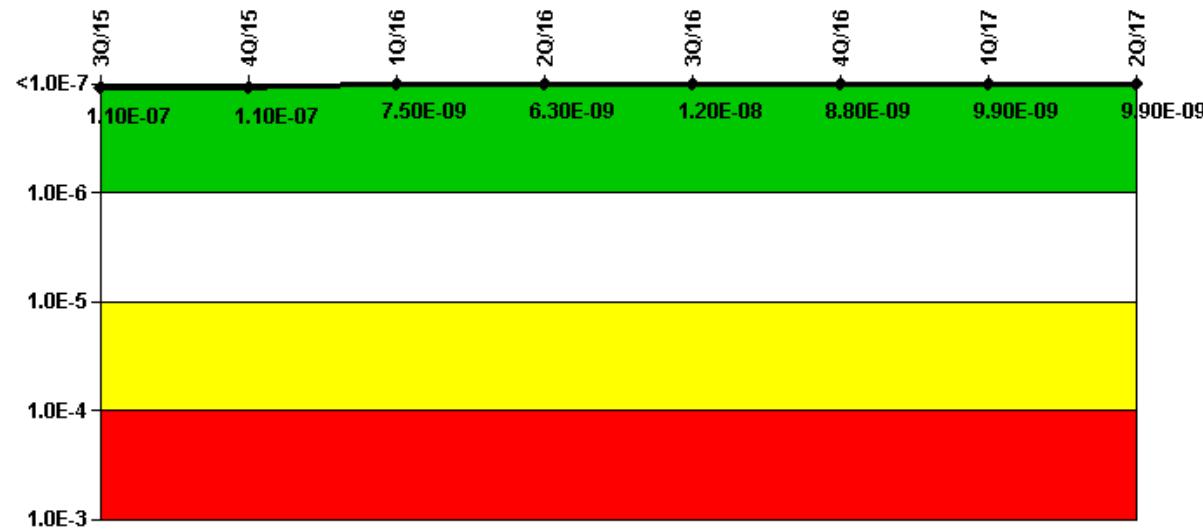
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	-3.76E-08	-3.75E-08	-3.03E-08	-3.01E-08	-1.78E-08	-1.78E-08	-2.55E-08	-1.29E-08
URI ( $\Delta$ CDF)	-5.60E-07	-5.60E-07	-2.47E-07	-2.47E-07	-1.41E-07	-1.42E-07	-2.10E-07	3.05E-07
PLE	NO	NO						
Indicator value	<b>-6.00E-07</b>	<b>-6.00E-07</b>	<b>-2.80E-07</b>	<b>-2.80E-07</b>	<b>-1.60E-07</b>	<b>-1.60E-07</b>	<b>-2.40E-07</b>	<b>2.90E-07</b>

▲ TOP

Licensee Comments:

3Q/16: 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

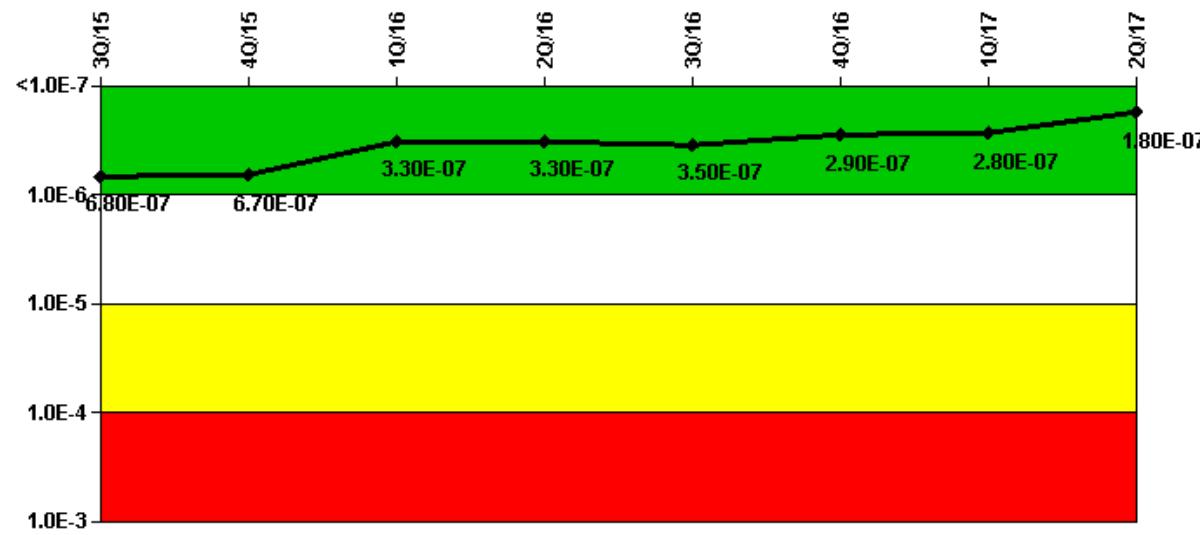
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	1.37E-07	1.40E-07	2.19E-08	2.07E-08	1.53E-08	1.20E-08	1.31E-08	1.27E-08
URI ( $\Delta$ CDF)	-2.82E-08	-2.82E-08	-1.43E-08	-1.43E-08	-3.23E-09	-3.23E-09	-3.23E-09	-2.80E-09
PLE	NO							
Indicator value	1.10E-07	1.10E-07	7.50E-09	6.30E-09	1.20E-08	8.80E-09	9.90E-09	9.90E-09

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### 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)	2.35E-07	2.22E-07	1.09E-07	1.03E-07	1.28E-07	6.44E-08	5.06E-08	3.63E-08
URI ( $\Delta$ CDF)	4.44E-07	4.44E-07	2.23E-07	2.23E-07	2.26E-07	2.26E-07	2.26E-07	1.42E-07
PLE	NO							
Indicator value	6.80E-07	6.70E-07	3.30E-07	3.30E-07	3.50E-07	2.90E-07	2.80E-07	1.80E-07

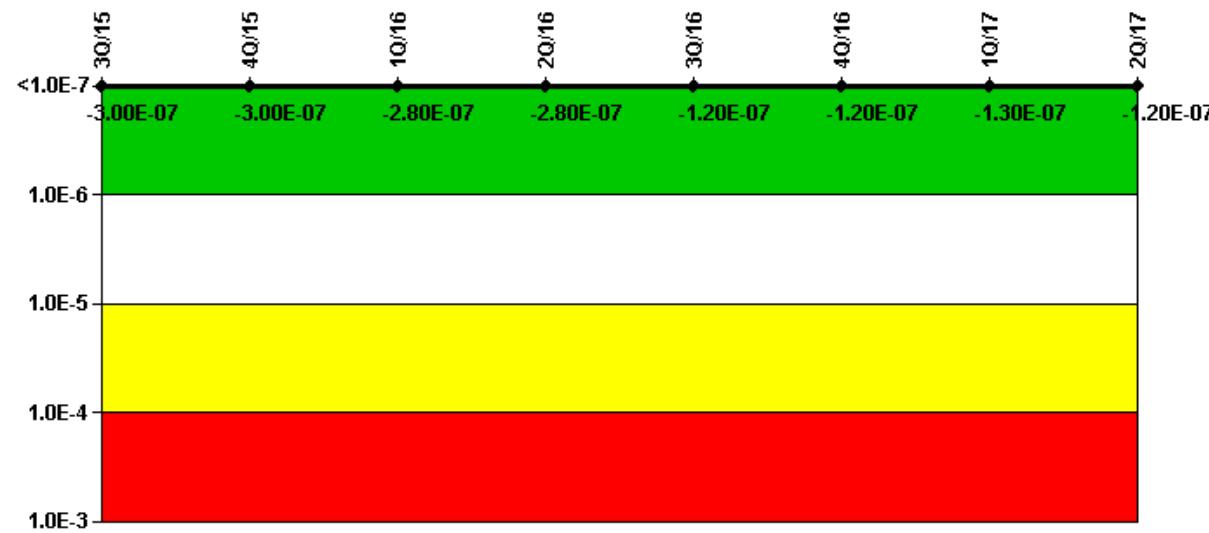
▲ TOP

#### Licensee Comments:

3Q/16: Changed PRA Parameter(s).

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## 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

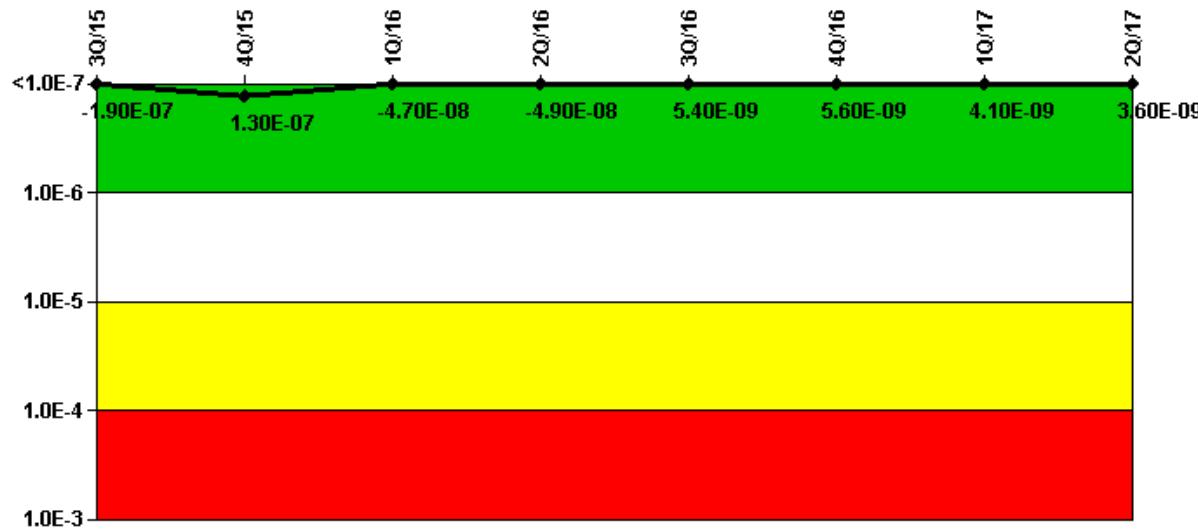
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	-7.74E-08	-7.74E-08	-7.60E-08	-7.60E-08	-3.01E-08	-3.01E-08	-3.01E-08	-2.53E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.25E-07	-2.05E-07	-2.05E-07	-9.49E-08	-9.49E-08	-9.49E-08	-9.49E-08
PLE	NO							
Indicator value	-3.00E-07	-3.00E-07	-2.80E-07	-2.80E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.20E-07

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Licensee Comments:

3Q/16: 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

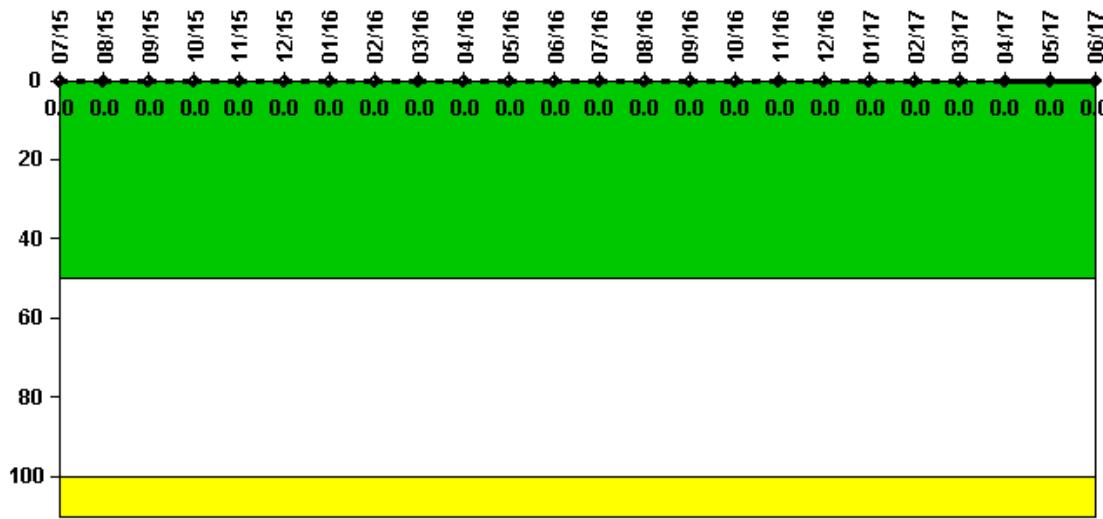
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI ( $\Delta$ CDF)	2.33E-08	2.71E-08	3.82E-08	3.63E-08	3.59E-09	3.76E-09	2.25E-09	1.75E-09
URI ( $\Delta$ CDF)	-2.12E-07	9.84E-08	-8.50E-08	-8.50E-08	1.83E-09	1.83E-09	1.83E-09	1.83E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-07	1.30E-07	-4.70E-08	-4.90E-08	5.40E-09	5.60E-09	4.10E-09	3.60E-09

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

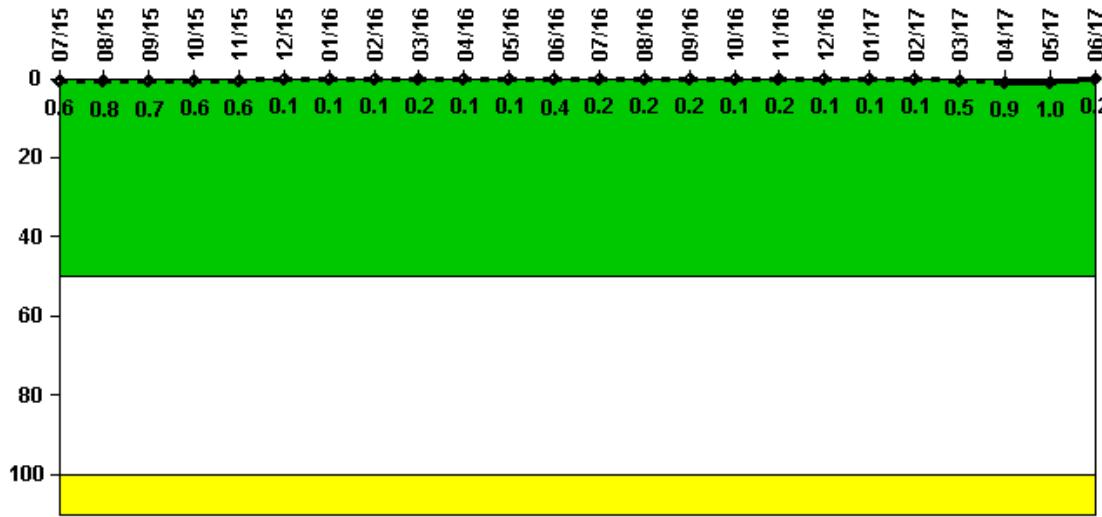
#### Notes

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	0.000046	0.000042	0.000037	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047	0.000042	0.000025	0.000023
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000041	0.000038	0.000035	0.000057	0.000034	0.000036	0.000034	0.000038	0.000042	0.000049	0.000047	0.000036
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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** 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 0.059 0.077 0.074 0.064 0.062 0.014 0.014 0.012 0.017 0.011 0.014 0.042

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

**Indicator value** 0.6 0.8 0.7 0.6 0.6 0.1 0.1 0.1 0.2 0.1 0.1 0.4

**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

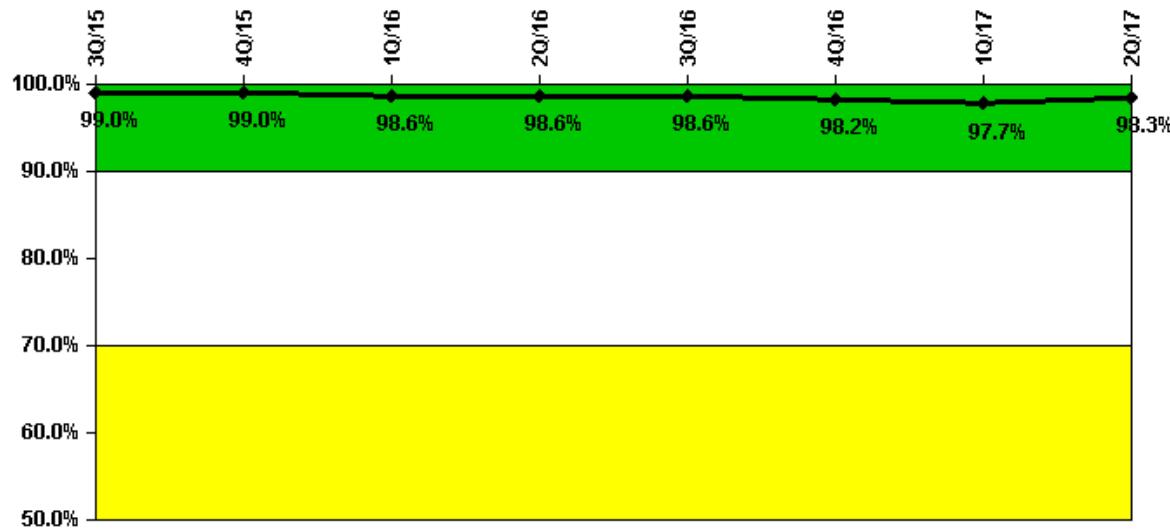
Maximum leakage 0.024 0.020 0.016 0.013 0.016 0.010 0.011 0.013 0.050 0.090 0.104 0.018

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

**Indicator value** 0.2 0.2 0.2 0.1 0.2 0.1 0.1 0.1 0.5 0.9 1.0 0.2

TOP

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

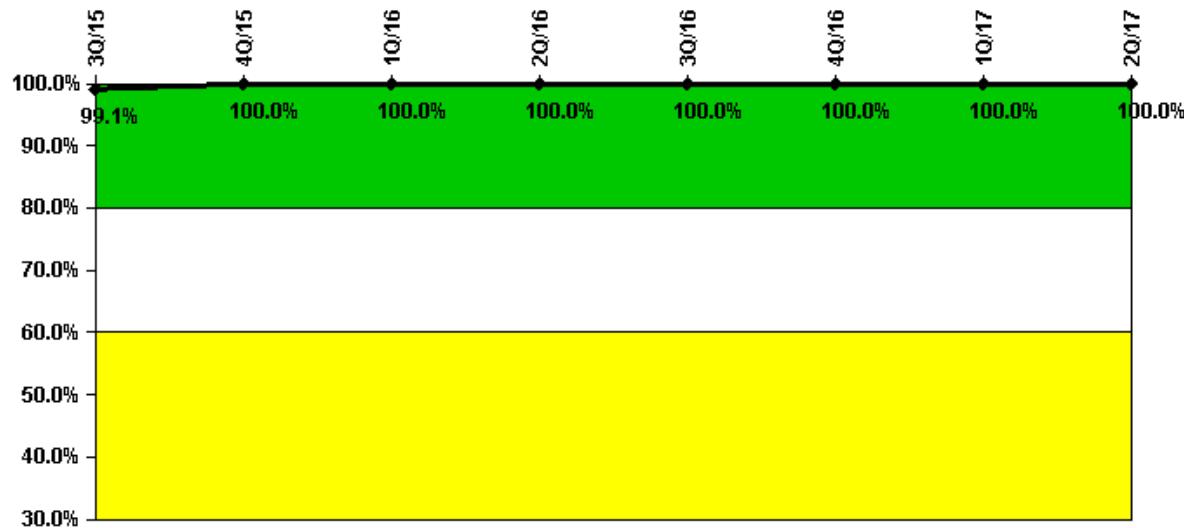
**Notes**

Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	59.0	22.0	84.0	39.0	37.0	6.0	35.0	64.0
Total opportunities	59.0	22.0	87.0	40.0	37.0	7.0	36.0	64.0

Indicator value      **99.0% 99.0% 98.6% 98.6% 98.6% 98.2% 97.7% 98.3%**

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Licensee Comments: none

**ERO Drill Participation**

Thresholds: White < 80.0% Yellow < 60.0%

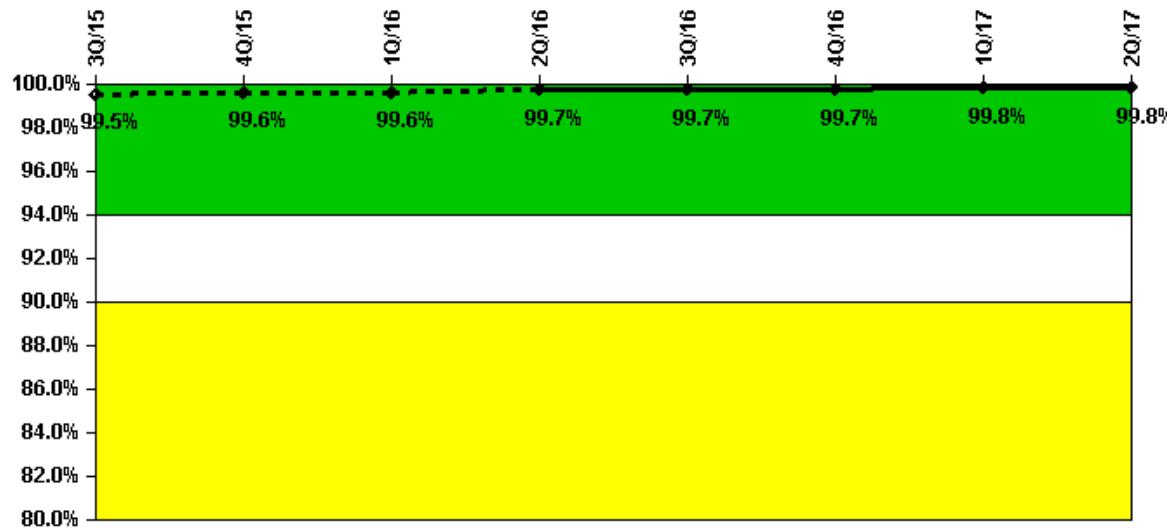
**Notes**

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	114.0	120.0	120.0	116.0	120.0	121.0	113.0	110.0
Total Key personnel	115.0	120.0	120.0	116.0	120.0	121.0	113.0	110.0

Indicator value      99.1% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

**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

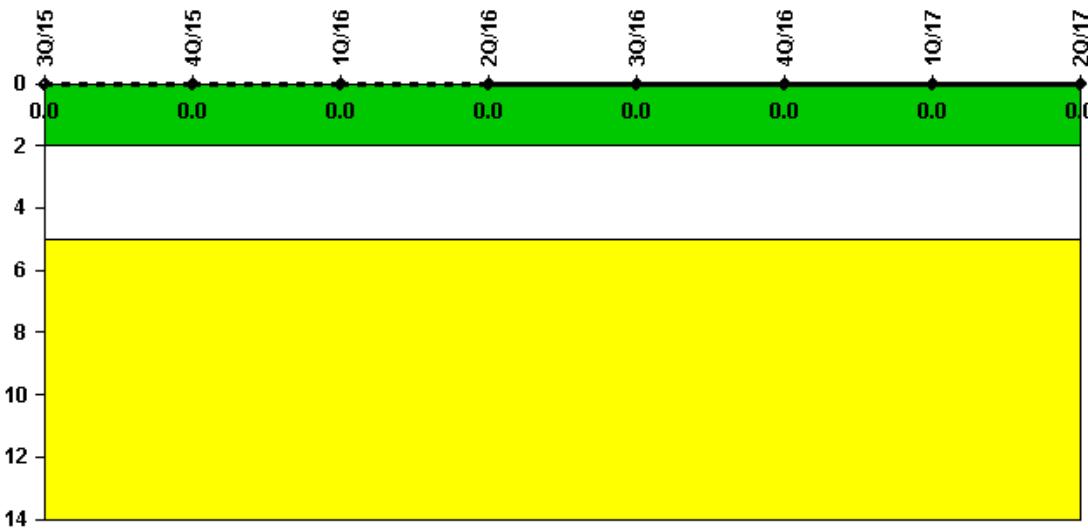
Successful siren-tests 1150 1244 1152 1157 1152 1244 1155 1156

Total sirens-tests 1157 1246 1157 1157 1157 1246 1157 1157

Indicator value 99.5% 99.6% 99.6% 99.7% 99.7% 99.7% 99.8% 99.8%

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Licensee Comments: none

**Occupational Exposure Control Effectiveness**

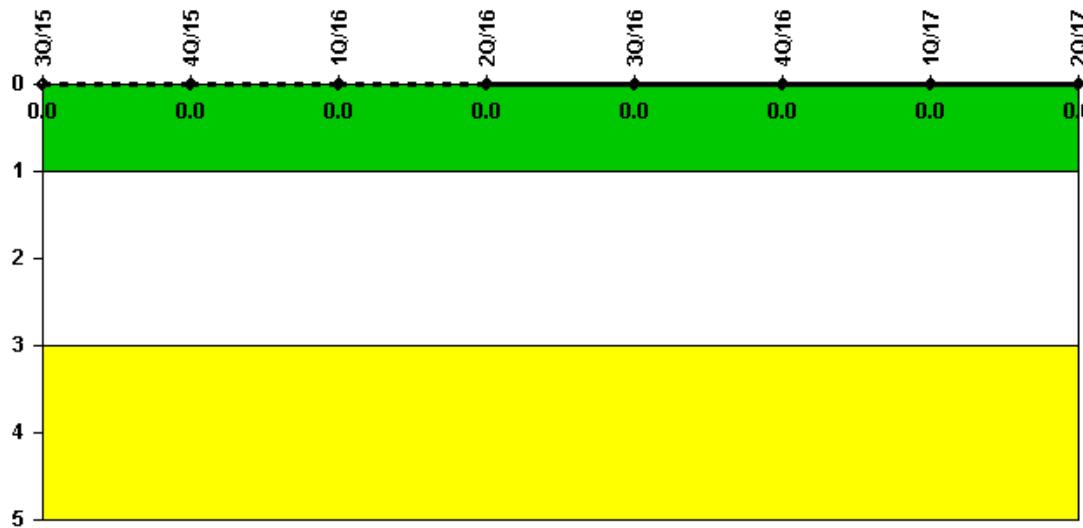
Thresholds: White > 2.0 Yellow > 5.0

**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	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: none

**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

**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: July 26, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Farley 2 > Quarterly Performance Indicators

## Farley 2 – Quarterly Performance Indicators

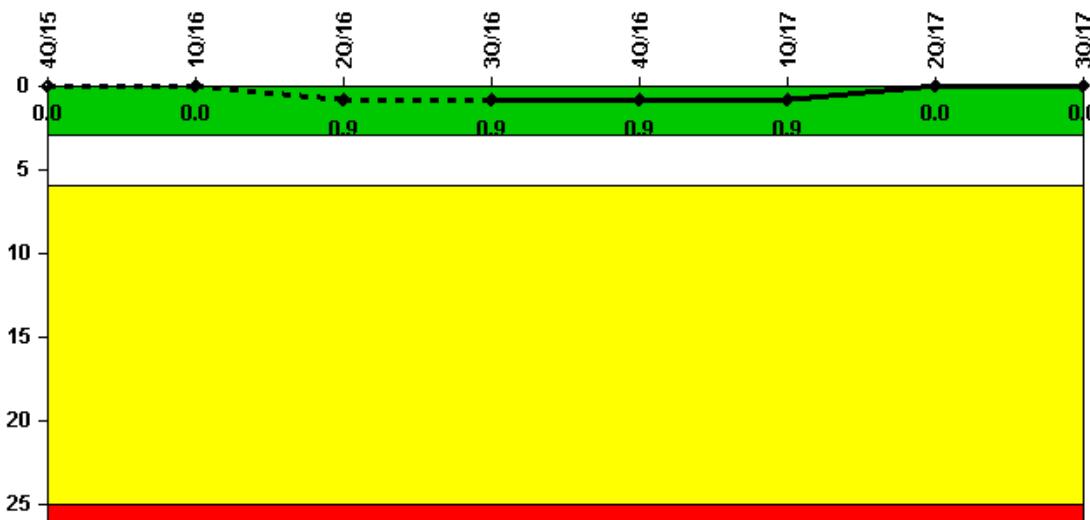
### 3Q/2017 Performance Indicators

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 Scrums per 7000 Critical Hrs**

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

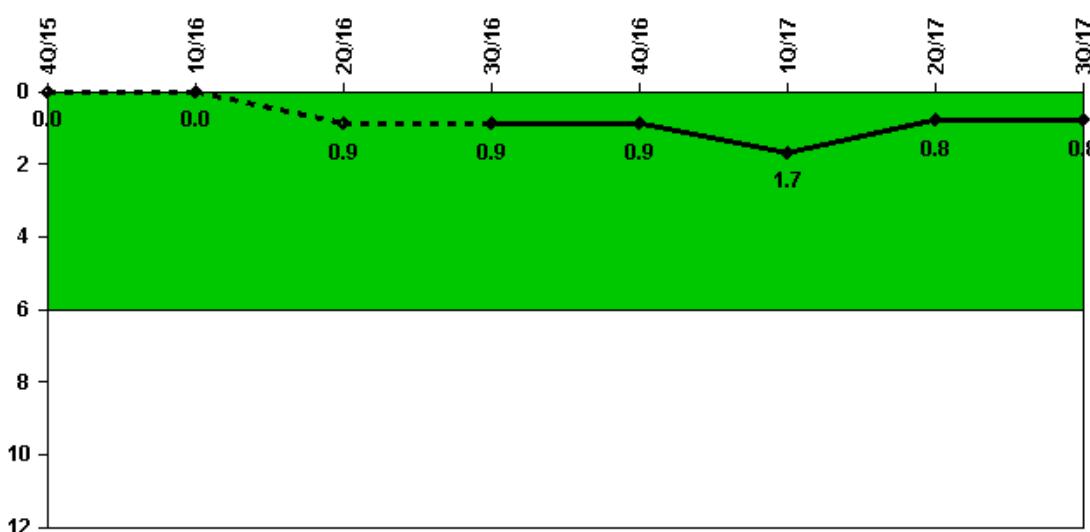
**Notes**

Unplanned Scrums per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrums	0	0	1.0	0	0	0	0	0
Critical hours	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0	2208.0

Indicator value      0      0      0.9      0.9      0.9      0.9      0      0

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Licensee Comments: none

**Unplanned Power Changes per 7000 Critical Hrs**

Thresholds: White &gt; 6.0

**Notes**

**Unplanned Power Changes per 7000 Critical Hrs** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

Unplanned power changes	0	0	1.0	0	0	1.0	0	0
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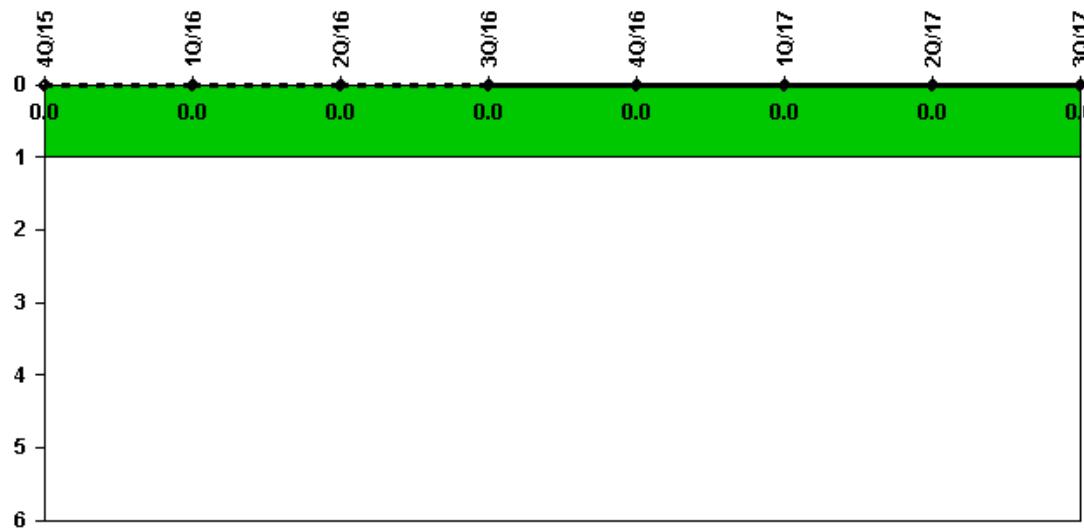
Critical hours	2080.2	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0	2208.0
----------------	--------	--------	--------	--------	--------	--------	--------	--------

<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>
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Licensee Comments: none

### **Unplanned Scrams with Complications**



Thresholds: White > 1.0

**Notes**

**Unplanned Scrams with Complications** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

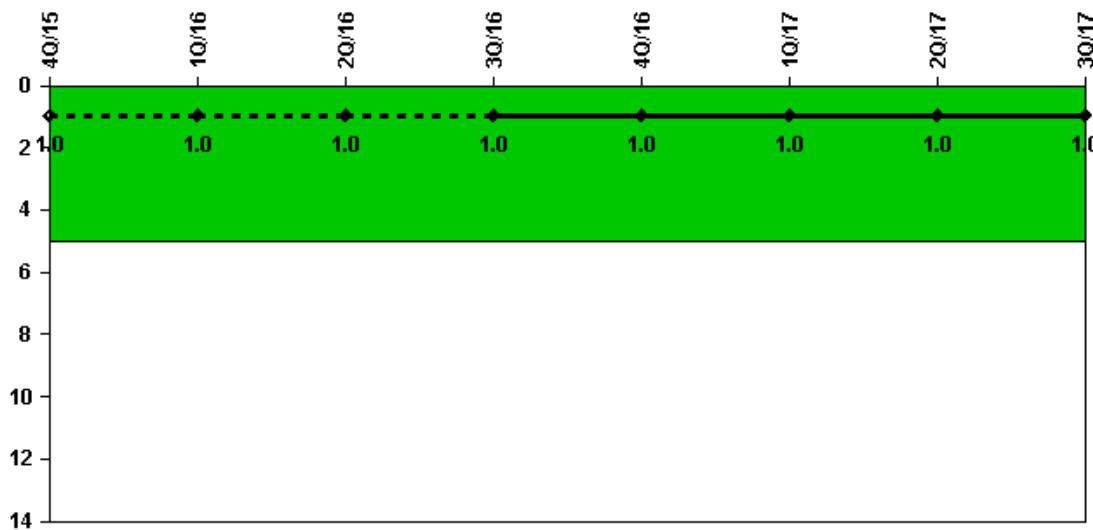
Scrams with complications	0	0	0	0	0	0	0	0
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<b>Indicator value</b>	<b>0.0</b>							
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Licensee Comments: none

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



Thresholds: White > 5.0

## Notes

**Safety System Functional Failures (PWR)** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17  
Safety System Functional Failures 0 1 0 0 0 1 0 0

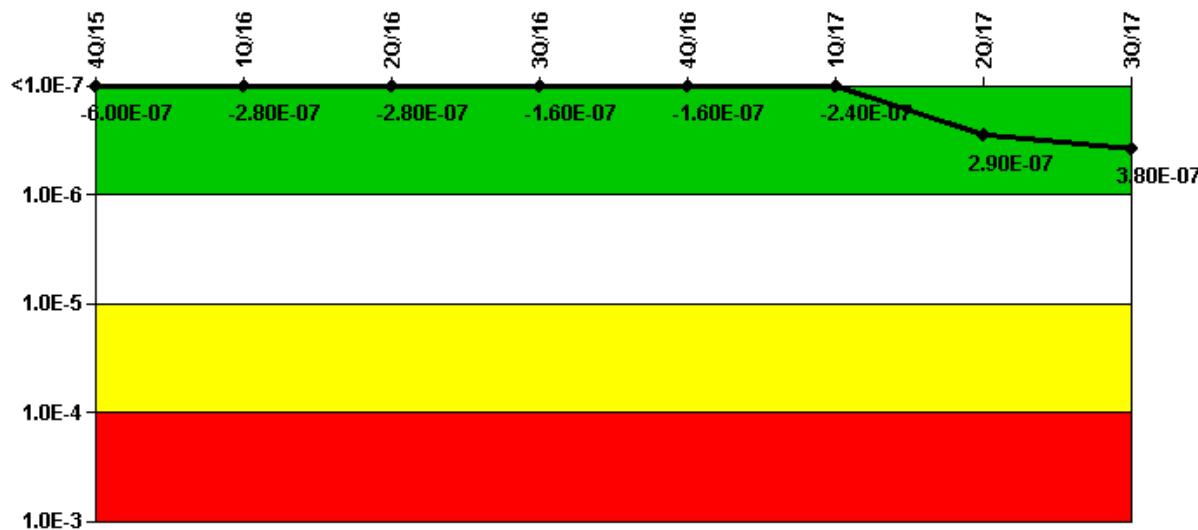
**Indicator value** 1 1 1 1 1 1 1 1

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**Licensee Comments:**

1Q/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

## 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

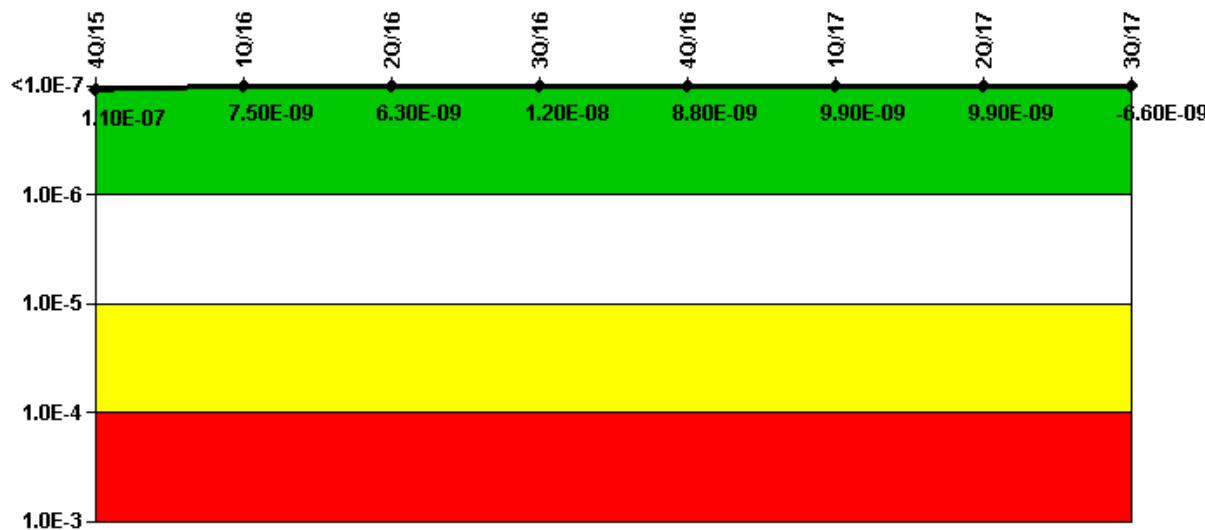
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	-3.75E-08	-3.03E-08	-3.01E-08	-1.78E-08	-1.78E-08	-2.55E-08	-1.29E-08	7.01E-08
URI ( $\Delta$ CDF)	-5.60E-07	-2.47E-07	-2.47E-07	-1.41E-07	-1.42E-07	-2.10E-07	3.05E-07	3.05E-07
PLE	NO	NO						
Indicator value	-6.00E-07	-2.80E-07	-2.80E-07	-1.60E-07	-1.60E-07	-2.40E-07	2.90E-07	3.80E-07

▲ TOP

Licensee Comments:

3Q/16: 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

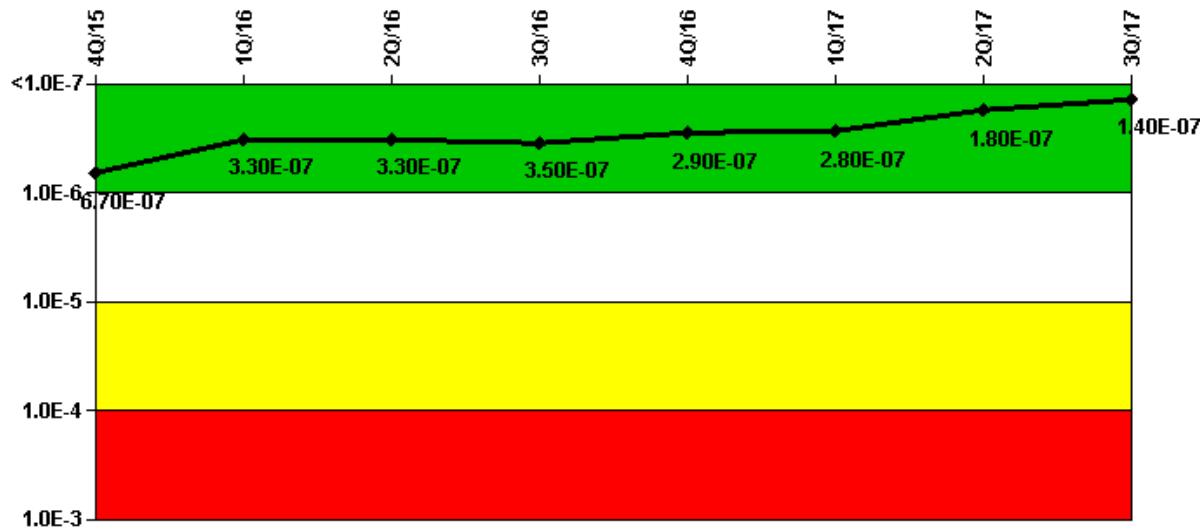
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	1.40E-07	2.19E-08	2.07E-08	1.53E-08	1.20E-08	1.31E-08	1.27E-08	-3.76E-09
URI ( $\Delta$ CDF)	-2.82E-08	-1.43E-08	-1.43E-08	-3.23E-09	-3.23E-09	-3.23E-09	-2.80E-09	-2.80E-09
PLE	NO							
Indicator value	1.10E-07	7.50E-09	6.30E-09	1.20E-08	8.80E-09	9.90E-09	9.90E-09	-6.60E-09



Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### 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)	2.22E-07	1.09E-07	1.03E-07	1.28E-07	6.44E-08	5.06E-08	3.63E-08	-2.50E-09
URI ( $\Delta$ CDF)	4.44E-07	2.23E-07	2.23E-07	2.26E-07	2.26E-07	2.26E-07	1.42E-07	1.42E-07
PLE	NO							
Indicator value	6.70E-07	3.30E-07	3.30E-07	3.50E-07	2.90E-07	2.80E-07	1.80E-07	1.40E-07

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Licensee Comments:

3Q/16: Changed PRA Parameter(s).

4Q/15: An evaluation is pending for the Nov 2015 failure on Unit 2 Heat Removal.

## 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

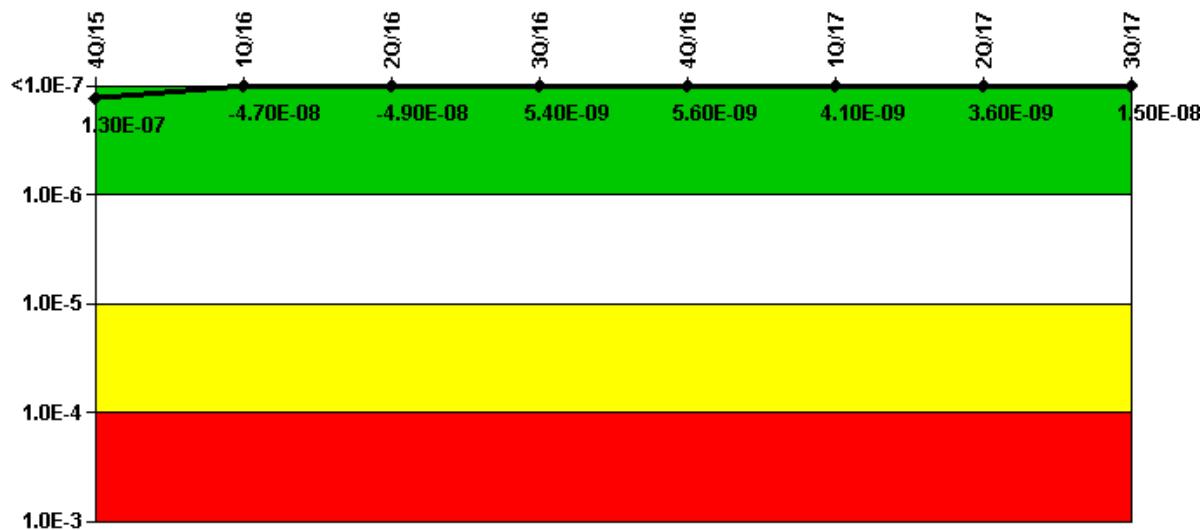
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	-7.74E-08	-7.60E-08	-7.60E-08	-3.01E-08	-3.01E-08	-3.01E-08	-2.53E-08	6.93E-08
URI ( $\Delta$ CDF)	-2.25E-07	-2.05E-07	-2.05E-07	-9.49E-08	-9.49E-08	-9.49E-08	-9.49E-08	9.49E-08
PLE	NO							
Indicator value	-3.00E-07	-2.80E-07	-2.80E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.20E-07	-2.60E-08

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Licensee Comments:

3Q/16: 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

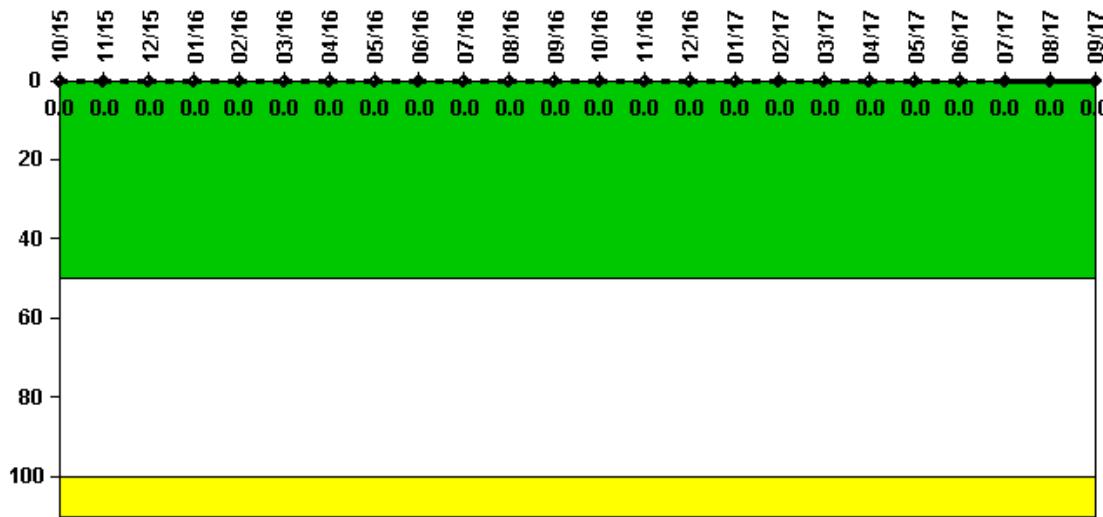
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI ( $\Delta$ CDF)	$2.71E-08$	$3.82E-08$	$3.63E-08$	$3.59E-09$	$3.76E-09$	$2.25E-09$	$1.75E-09$	$1.29E-08$
URI ( $\Delta$ CDF)	$9.84E-08$	$-8.50E-08$	$-8.50E-08$	$1.83E-09$	$1.83E-09$	$1.83E-09$	$1.83E-09$	$1.83E-09$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$1.30E-07$	$-4.70E-08$	$-4.90E-08$	$5.40E-09$	$5.60E-09$	$4.10E-09$	$3.60E-09$	$1.50E-08$

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

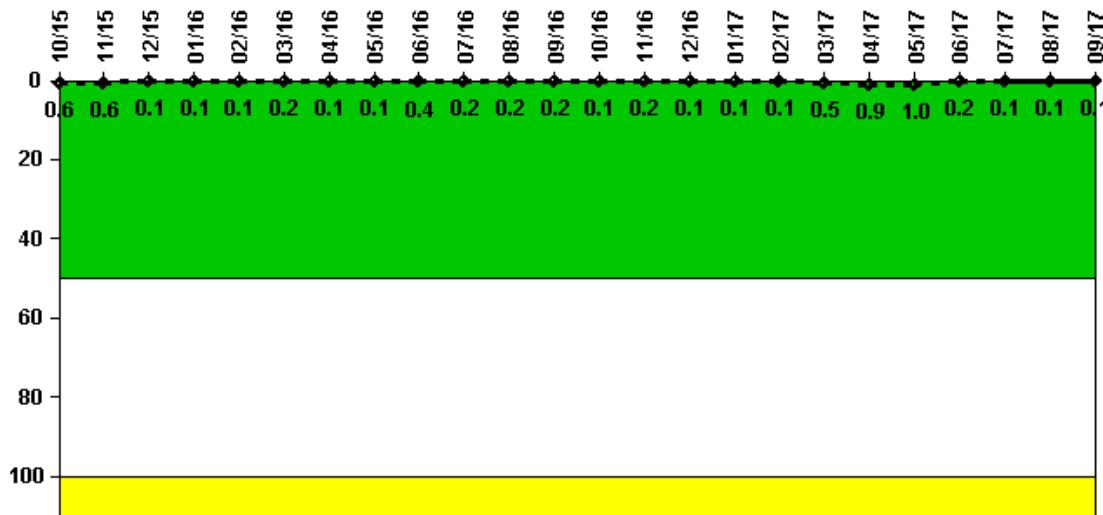
#### Notes

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	0.000043	0.000040	0.000045	0.000042	0.000046	0.000047	0.000042	0.000025	0.000023	0.000041	0.000038	0.000035
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000057	0.000034	0.000036	0.000034	0.000038	0.000042	0.000049	0.000047	0.000040	0.000047	0.000049	0.000052
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

TOP

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                    0.064 0.062 0.014 0.014 0.012 0.017 0.011 0.014 0.042 0.024 0.020 0.016

Technical specification limit        10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value                    0.6 0.6 0.1 0.1 0.1 0.2 0.1 0.1 0.4 0.2 0.2 0.2

##### 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

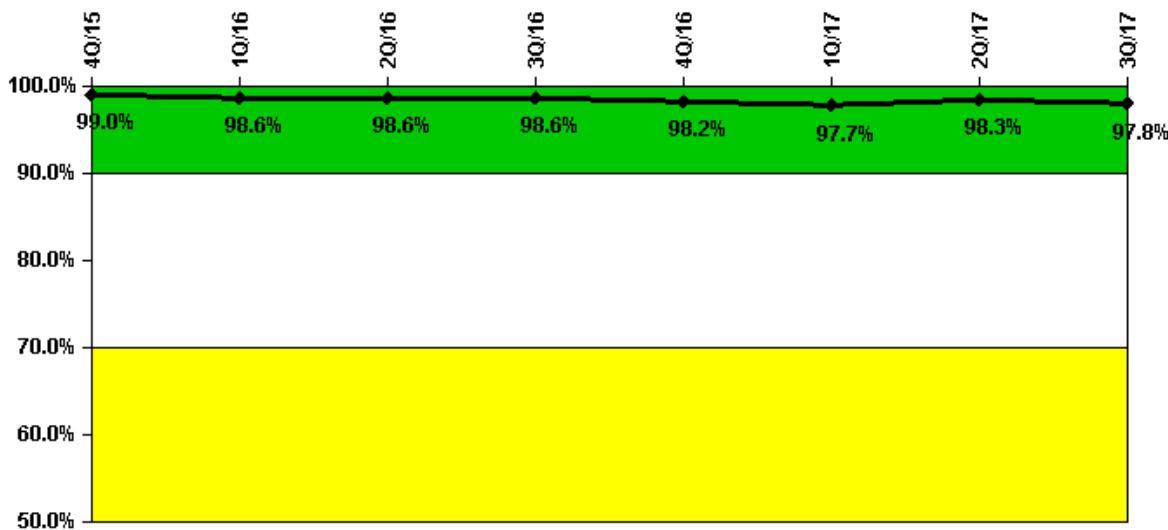
Maximum leakage                    0.013 0.016 0.010 0.011 0.013 0.050 0.090 0.104 0.018 0.010 0.013 0.008

Technical specification limit        10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value                    0.1 0.2 0.1 0.1 0.1 0.5 0.9 1.0 0.2 0.1 0.1 0.1

TOP

Licensee Comments: none

**Drill/Exercise Performance**

Thresholds: White < 90.0% Yellow < 70.0%

**Notes**

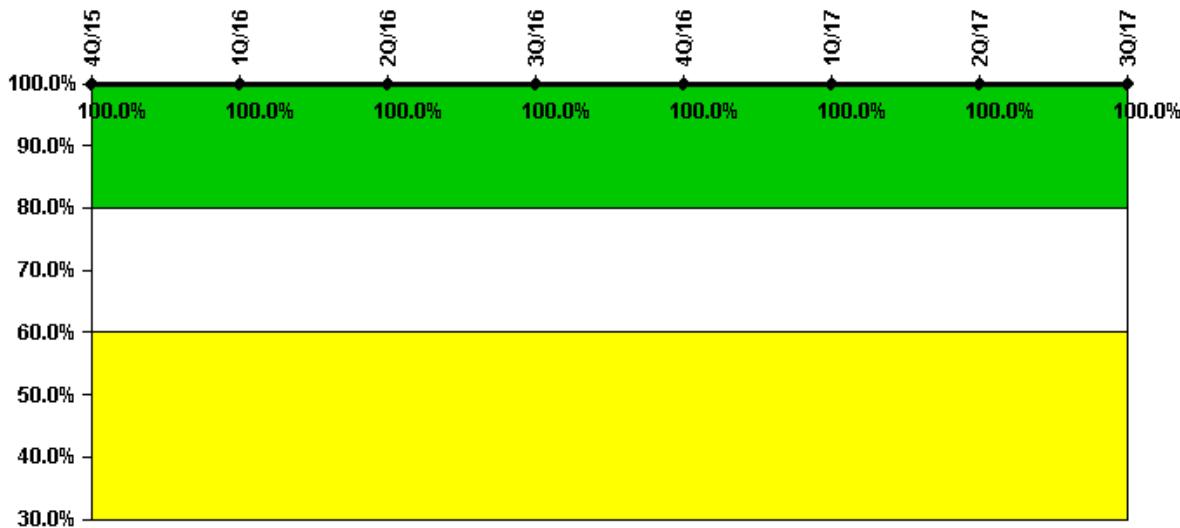
Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	22.0	84.0	39.0	37.0	6.0	35.0	64.0	23.0
Total opportunities	22.0	87.0	40.0	37.0	7.0	36.0	64.0	24.0

Indicator value      **99.0% 98.6% 98.6% 98.6% 98.2% 97.7% 98.3% 97.8%**

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Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

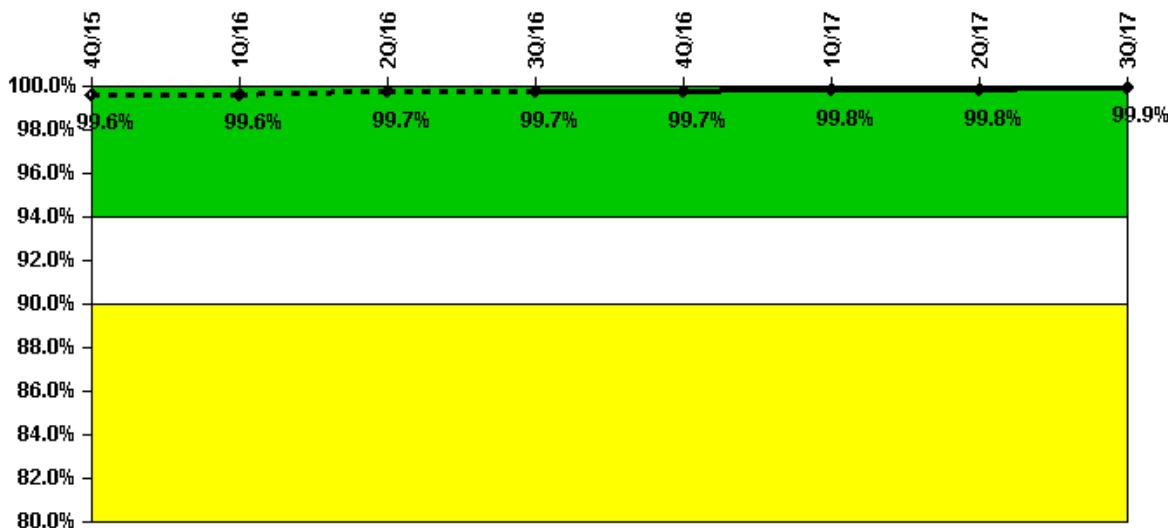
ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	120.0	120.0	116.0	120.0	121.0	113.0	110.0	70.0
Total Key personnel	120.0	120.0	116.0	120.0	121.0	113.0	110.0	70.0

Indicator value      100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

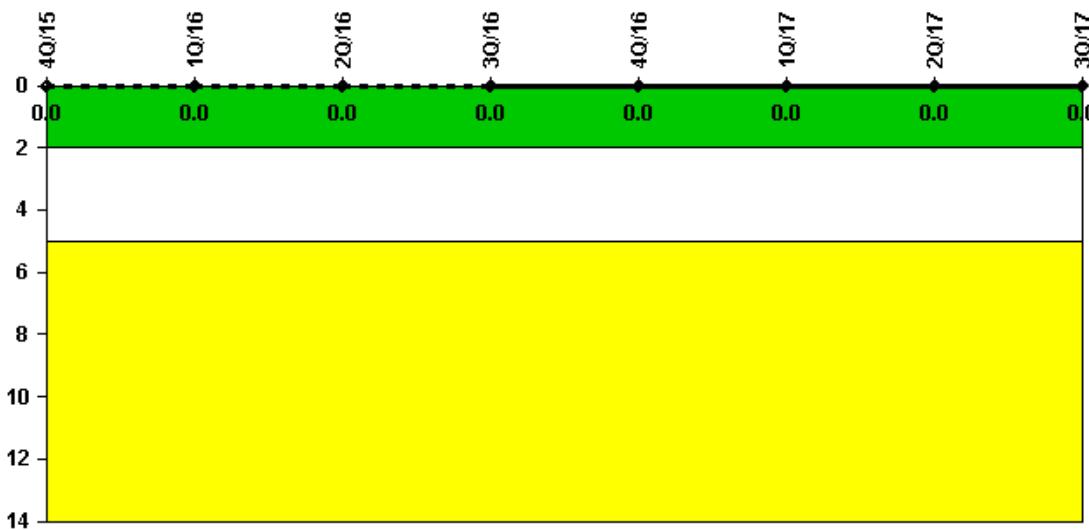
#### Alert & Notification System 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

Successful siren-tests	1244	1152	1157	1152	1244	1155	1156	1157
Total sirens-tests	1246	1157	1157	1157	1246	1157	1157	1157

Indicator value      99.6% 99.6% 99.7% 99.7% 99.7% 99.8% 99.8% 99.9%

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Licensee Comments: none

**Occupational Exposure Control Effectiveness**

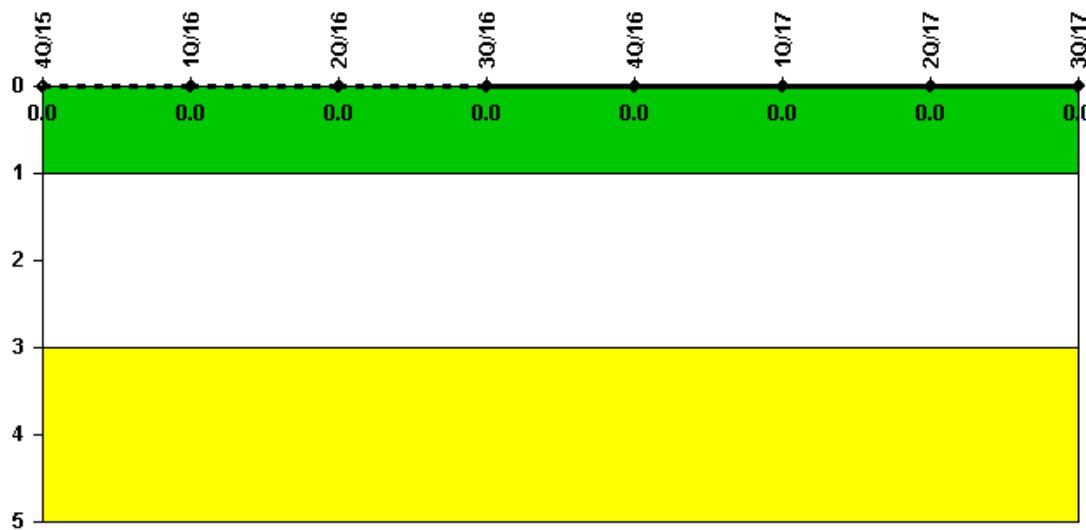
Thresholds: White > 2.0 Yellow > 5.0

**Notes****Occupational Exposure Control Effectiveness** 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: none

**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 > Farley 2 > Quarterly Performance Indicators

## Farley 2 – Quarterly Performance Indicators

### Q4/2017 Performance Indicators

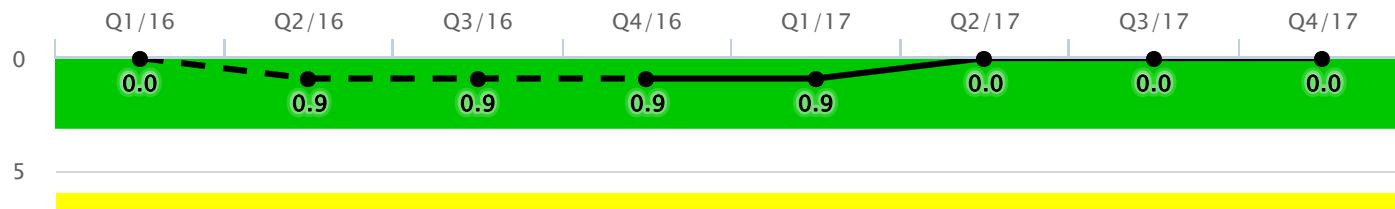
The solid trend line represents the current reporting period.

Licensee's General Comments: EP-Wrong data submitted in 2016Q1 but corrected in 2017Q1. The color of this indicator is not impacted.

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 Q1/16 Q2/16 Q3/16 Q4/16 Q1/17 Q2/17 Q3/17 Q4/17

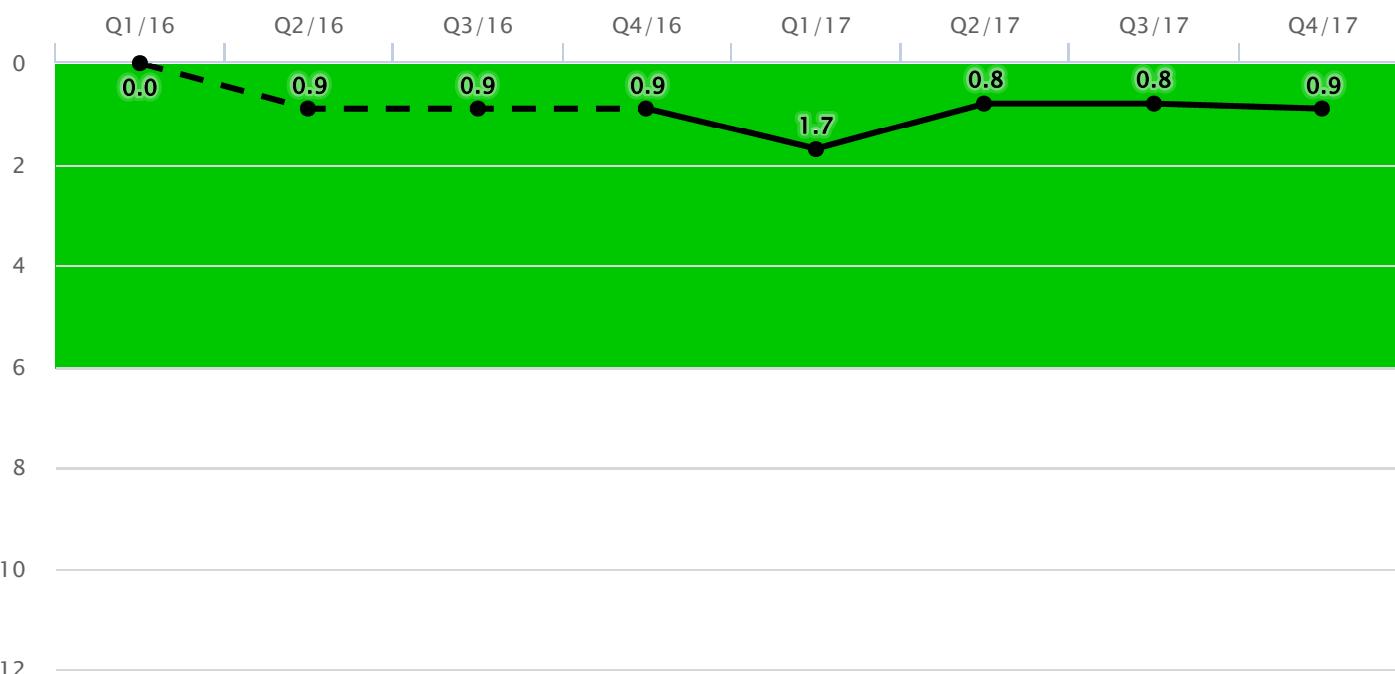
Unplanned Scrams	0	1.0	0	0	0	0	0	0
Critical Hours	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0	2208.0	1533.2

Indicator value	0	0.9	0.9	0.9	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 Q1/16 Q2/16 Q3/16 Q4/16 Q1/17 Q2/17 Q3/17 Q4/17

Unplanned Power Changes	0	1.0	0	0	1.0	0	0	0
Critical Hours	2183.0	1453.8	2208.0	2209.0	2159.0	2184.0	2208.0	1533.2

Indicator value	0	0.9	0.9	0.9	1.7	0.8	0.8	0.9
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Licensee Comments: none

### Unplanned Scrams with Complications

**Thresholds: White > 1.0****Notes**

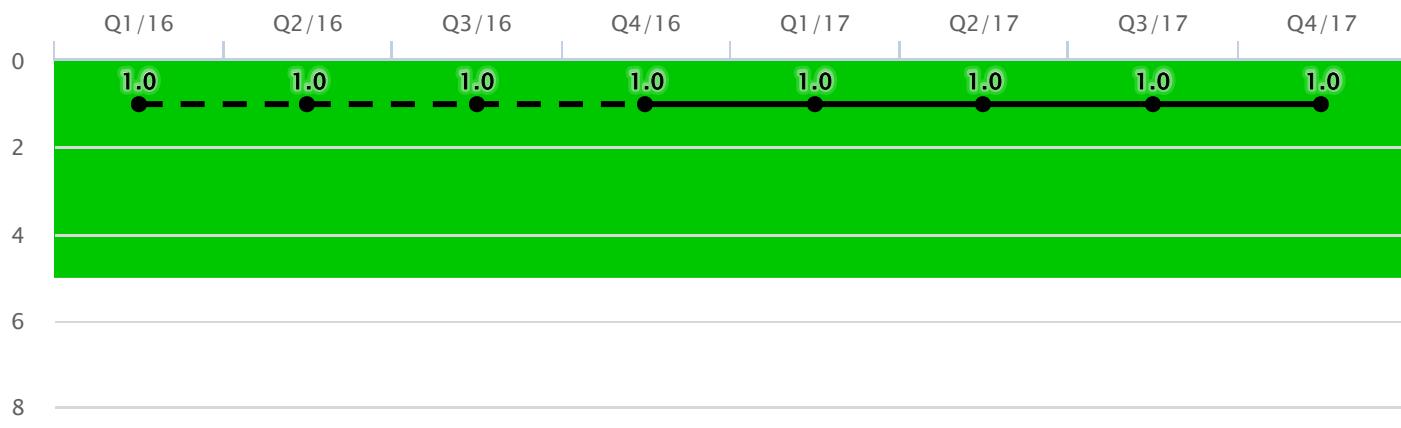
Unplanned Scrams with Complications	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Licensee Comments: none

## Safety System Functional Failures (PWR)



**Thresholds:** White > 5.0

### Notes

**Safety System Functional Failures (PWR)** Q1/16 Q2/16 Q3/16 Q4/16 Q1/17 Q2/17 Q3/17 Q4/17  
Safety System Functional Failures                    1      0      0      0      1      0      0      0

**Indicator value**                                    1      1      1      1      1      1      1      1

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### Licensee Comments:

Q1/16: LER - 2015 005-00 Turbine Driven Auxiliary Feedwater in a Condition Prohibited by Technical Specifications due to a Design Issue per 10 CFR 50.73(a)(2)(v)(B)

## 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

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI ( $\Delta$ CDF)	-3.03E-08	-3.01E-08	-1.78E-08	-1.78E-08	-2.55E-08	-1.29E-08	7.01E-08	1.09E-07
URI ( $\Delta$ CDF)	-2.47E-07	-2.47E-07	-1.41E-07	-1.42E-07	-2.10E-07	3.05E-07	3.05E-07	3.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

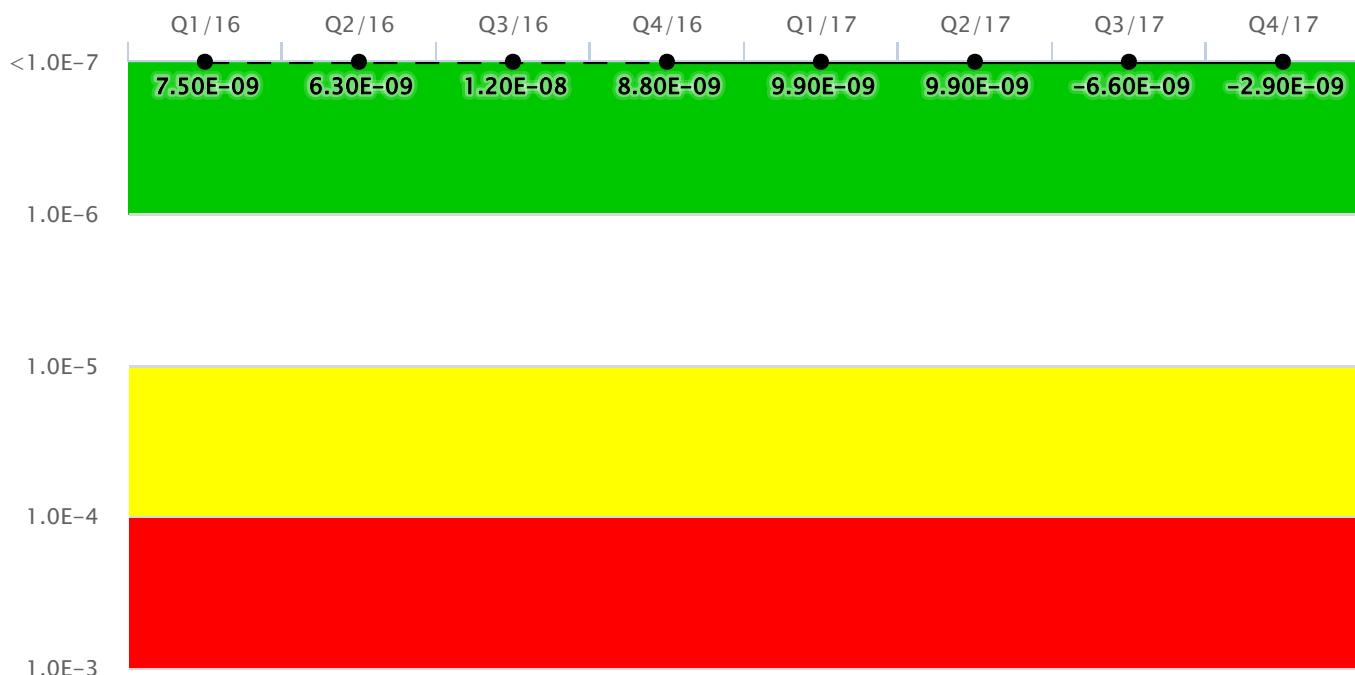
Indicator value **-2.80E-07 -2.80E-07 -1.60E-07 -1.60E-07 -2.40E-07 2.90E-07 3.80E-07 4.10E-07**



### Licensee Comments:

Q3/16: 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

Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
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**Mitigating Systems  
Performance Index, High  
Pressure Injection System**

UAI ( $\Delta$ CDF)	2.19E-08	2.07E-08	1.53E-08	1.20E-08	1.31E-08	1.27E-08	-3.76E-09	-1.23E-10
URI ( $\Delta$ CDF)	-1.43E-08	-1.43E-08	-3.23E-09	-3.23E-09	-3.23E-09	-2.80E-09	-2.80E-09	-2.80E-09
PLE	NO							

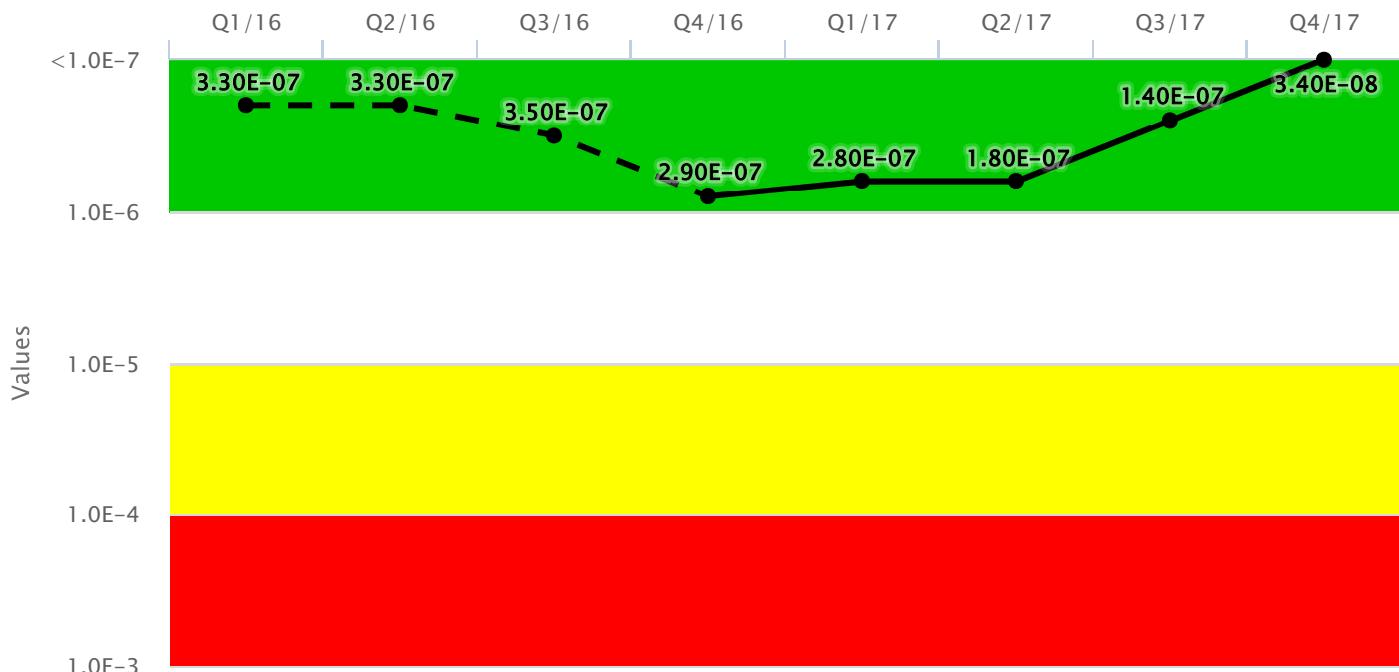
**Indicator value**      **7.50E-09** **6.30E-09** **1.20E-08** **8.80E-09** **9.90E-09** **9.90E-09** **-6.60E-09** **-2.90E-09**



Licensee Comments:

Q3/16: Changed PRA Parameter(s).

**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**

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI ( $\Delta$ CDF)	1.09E-07	1.03E-07	1.28E-07	6.44E-08	5.06E-08	3.63E-08	-2.50E-09	-2.12E-08
URI ( $\Delta$ CDF)	2.23E-07	2.23E-07	2.26E-07	2.26E-07	2.26E-07	1.42E-07	1.42E-07	5.54E-08
PLE	NO	NO						

**Indicator value**      **3.30E-07** **3.30E-07** **3.50E-07** **2.90E-07** **2.80E-07** **1.80E-07** **1.40E-07** **3.40E-08**

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Licensee Comments:

Q3/16: Changed PRA Parameter(s).

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White &gt; 1.00E-6 Yellow&gt;1.00E-5 Red&gt;1.00E-4

### Notes

#### Mitigating Systems Performance Index, Residual Heat Removal

System	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI ( $\Delta$ CDF)	-7.60E-08	-7.60E-08	-3.01E-08	-3.01E-08	-3.01E-08	-2.53E-08	6.93E-08	6.02E-08
URI ( $\Delta$ CDF)	-2.05E-07	-2.05E-07	-9.49E-08	-9.49E-08	-9.49E-08	-9.49E-08	-9.49E-08	-9.49E-08
PLE	NO							

Indicator value      -2.80E-07 -2.80E-07 -1.20E-07 -1.20E-07 -1.30E-07 -1.20E-07 -2.60E-08 -3.50E-08

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Licensee Comments:

Q3/16: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, Cooling Water Systems



Values

&lt;1.0E-7

1.0E-6

1.0E-5

1.0E-4

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

### Notes

#### Mitigating Systems Performance Index, Cooling Water Systems

	Q1/16	Q2/16	Q3/16	Q4/16	Q1/17	Q2/17	Q3/17	Q4/17
UAI ( $\Delta$ CDF)	3.82E-08	3.63E-08	3.59E-09	3.76E-09	2.25E-09	1.75E-09	1.29E-08	1.29E-08
URI ( $\Delta$ CDF)	-8.50E-08	-8.50E-08	1.83E-09	1.83E-09	1.83E-09	1.83E-09	1.83E-09	1.83E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

#### Indicator value

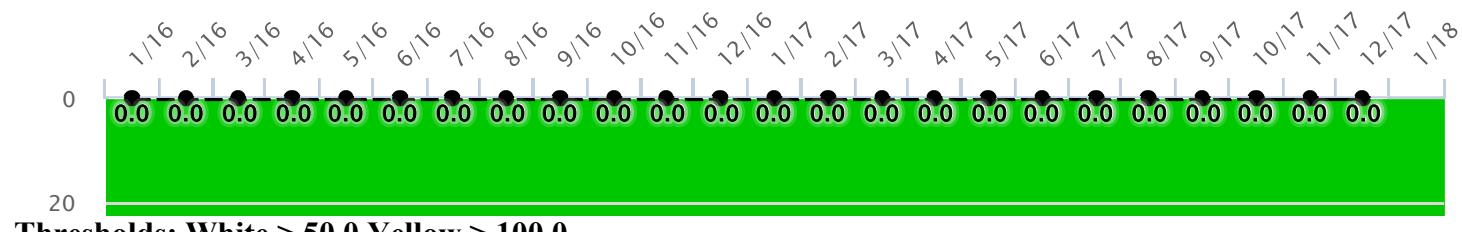
**-4.70E-08 -4.90E-08 5.40E-09 5.60E-09 4.10E-09 3.60E-09 1.50E-08 1.50E-08**

TOP

#### Licensee Comments:

Q3/16: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

### Reactor Coolant System Activity

#### Indicator value

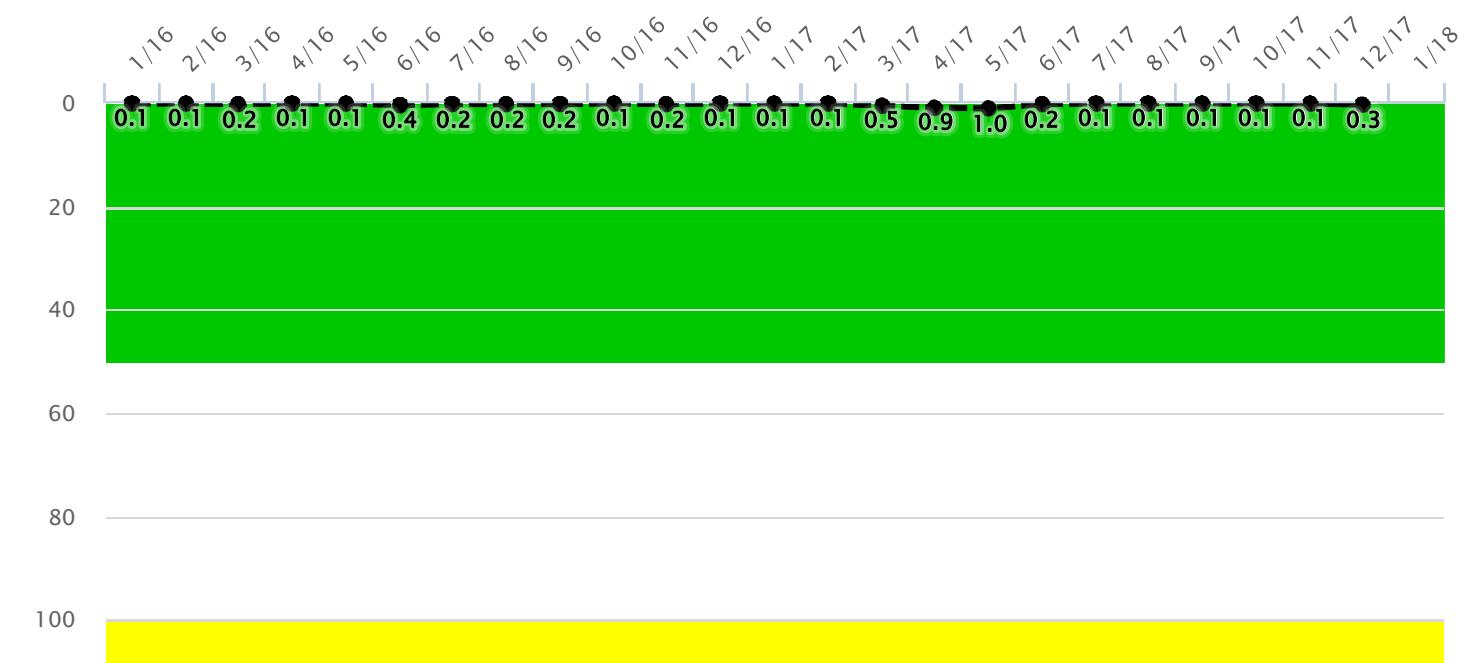
#### Indicator value



Licensee Comments: none

Licensee Comments:

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

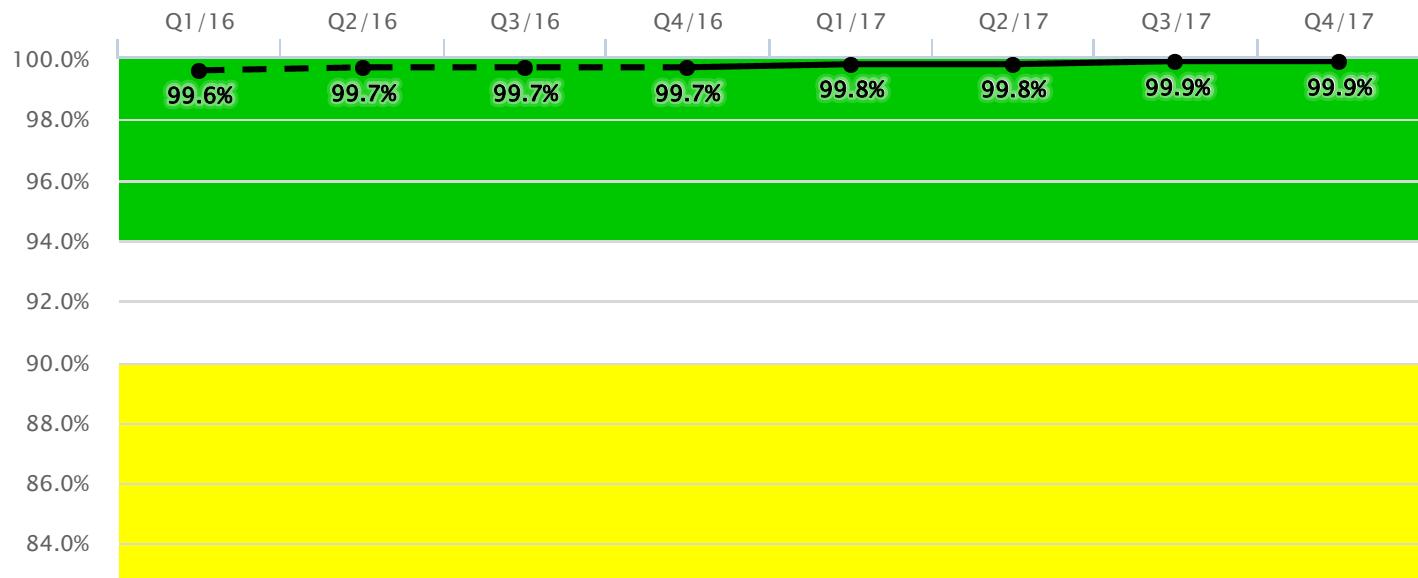
### Drill/Exercise Performance



### ERO Drill Participation

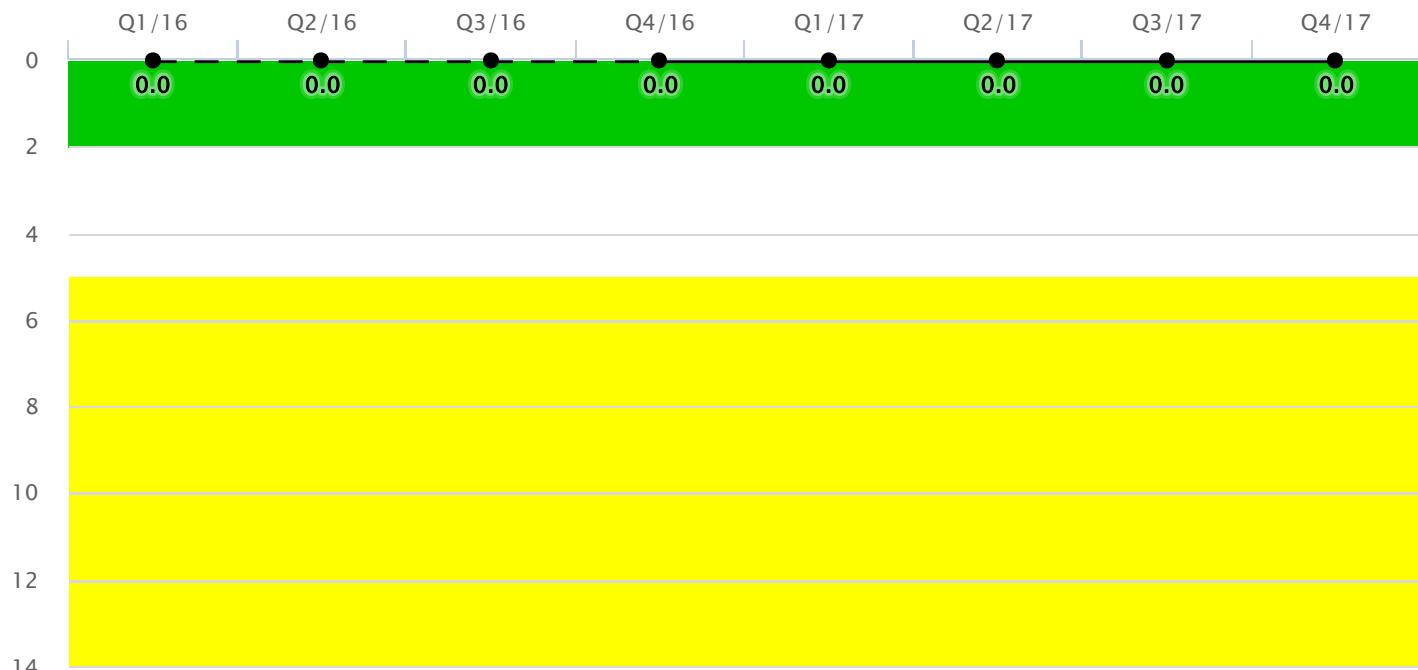


### Alert & Notification System



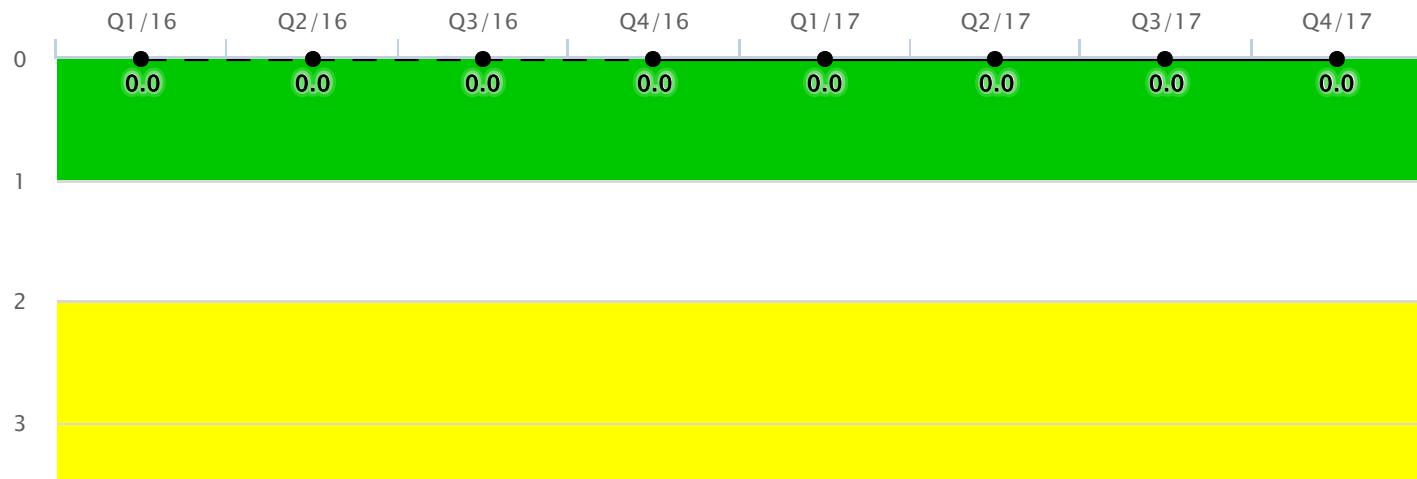
Thresholds: White < 94.0% Yellow < 90.0%

### Occupational Exposure Control Effectiveness



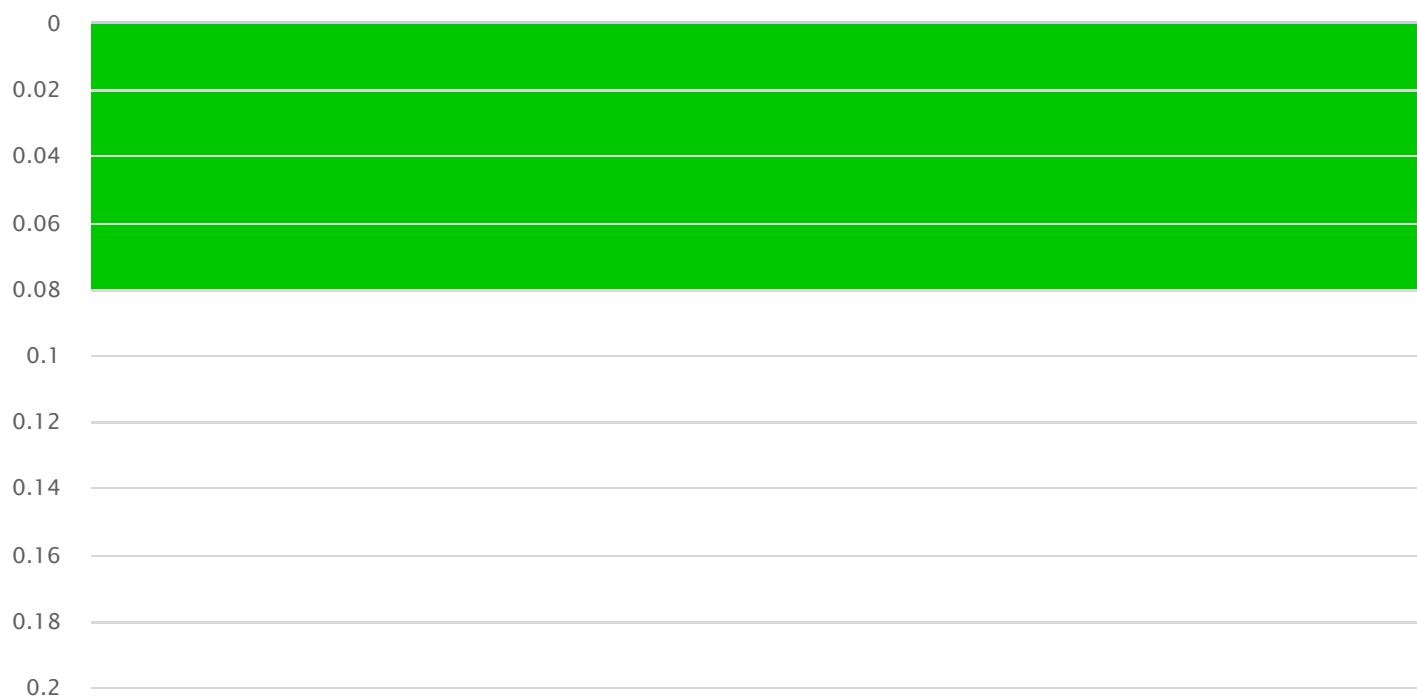
Thresholds: White > 2.0 Yellow > 5.0

### RETS/ODCM Radiological Effluent



**Thresholds:** White > 1.0 Yellow > 3.0

### Protected Area Security Performance Index



**Thresholds:** White > 0.08

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*Page Last Reviewed/Updated Friday, April 20, 2018*