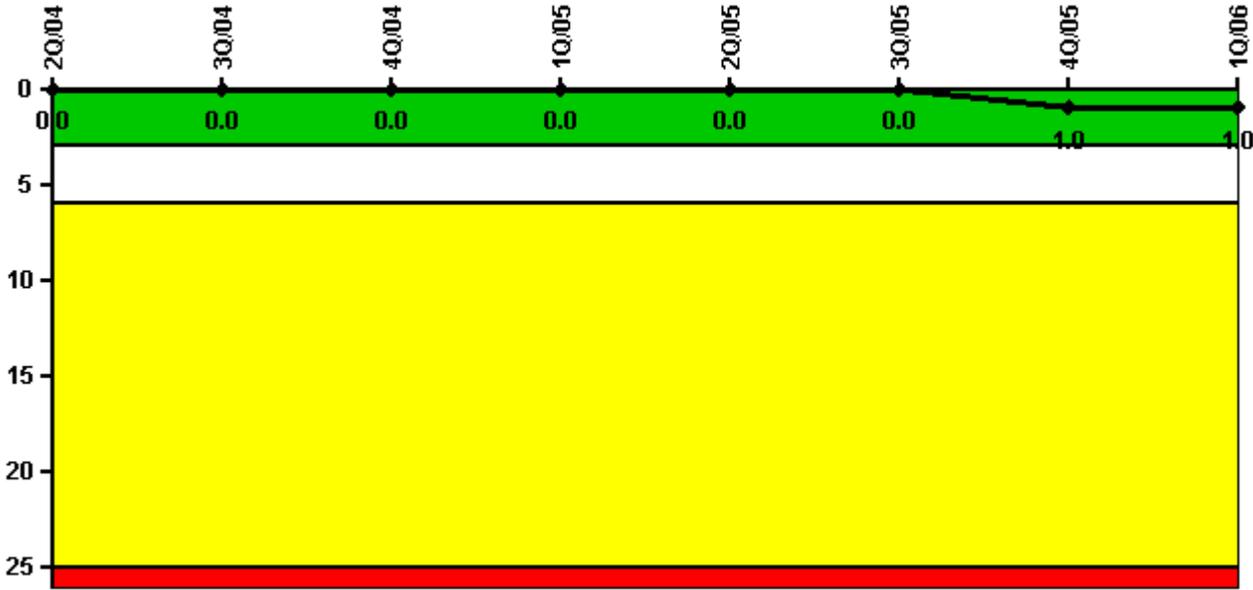


# Waterford 3

## 1Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



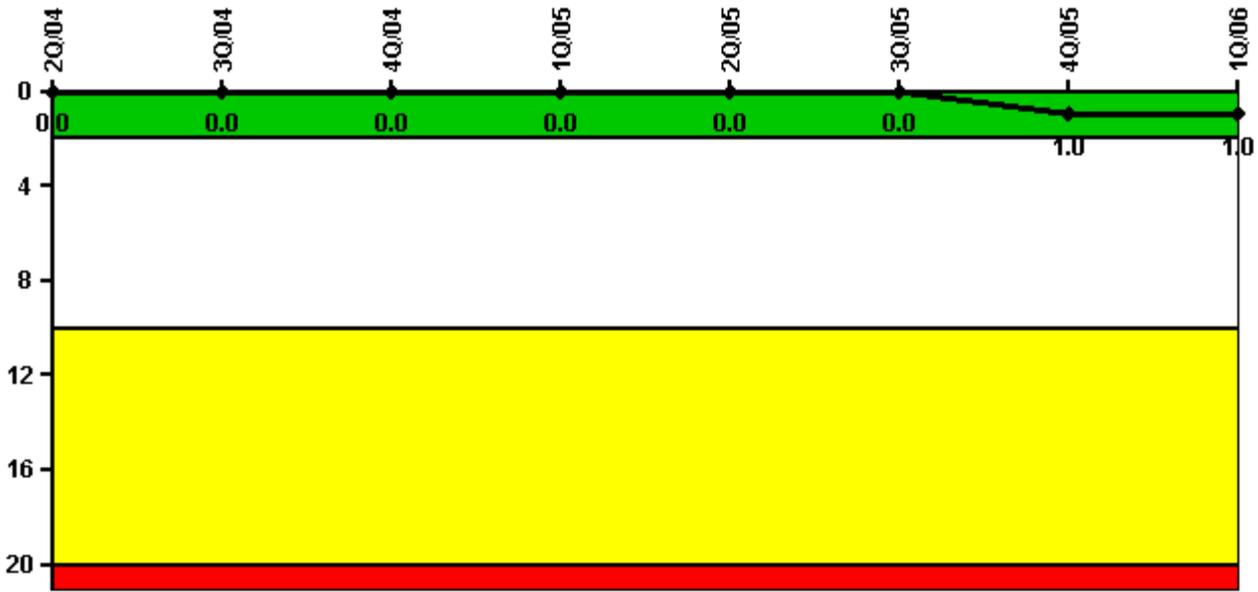
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	885.0	1831.3	2151.6	2160.0
Indicator value	0	0	0	0	0	0	1.0	1.0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



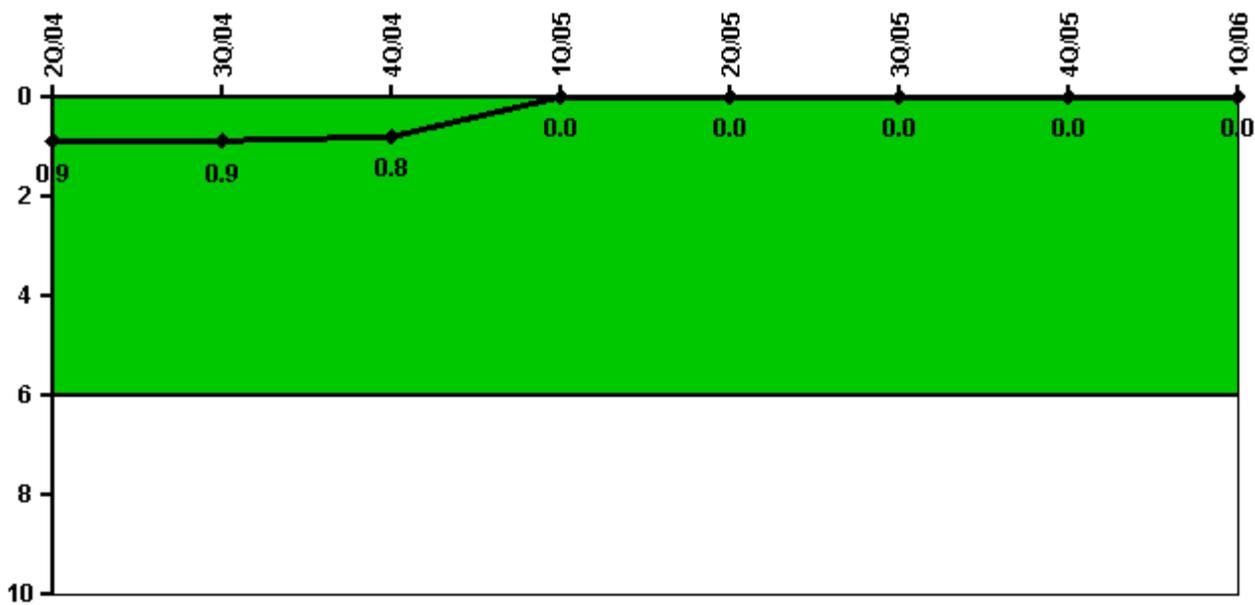
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	0	0	0	0	0	0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



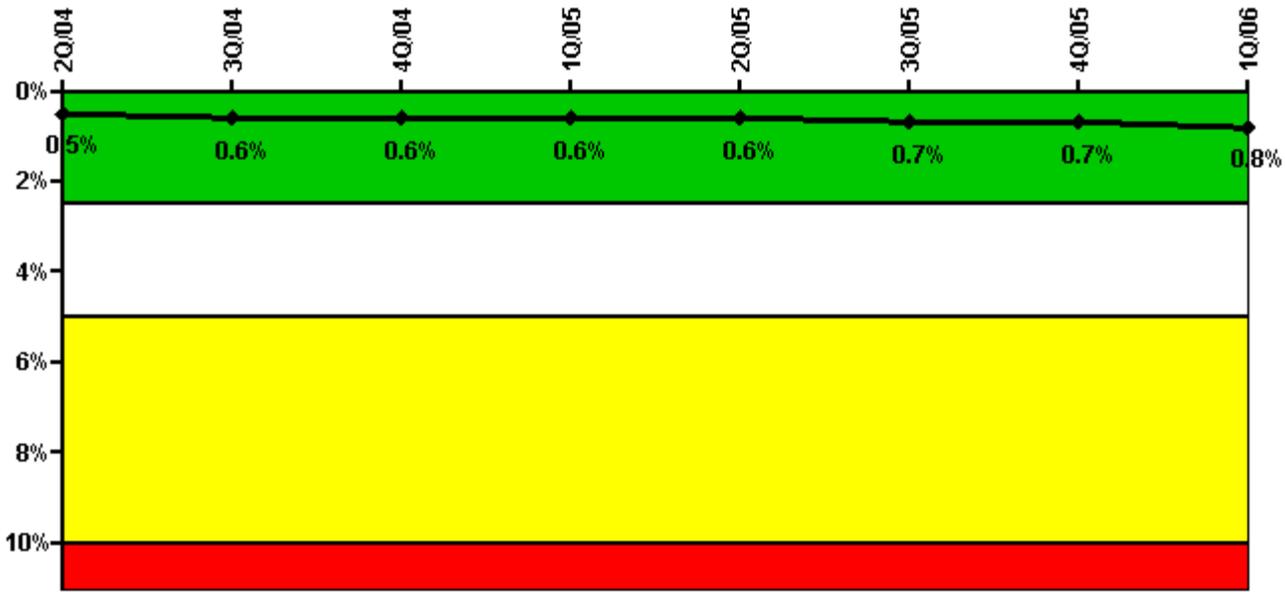
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	885.0	1831.3	2151.6	2160.0
Indicator value	0.9	0.9	0.8	0	0	0	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	1.18	3.40	4.00	6.73	10.40	4.73	11.88	29.15
Unplanned unavailable hours	0	32.40	1.27	0	0	9.67	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	1999.87	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	10.08	16.59	0	0	4.42	44.96	13.88
Unplanned unavailable hours	0.05	28.68	17.65	1.62	7.20	28.60	0	1.45
Fault exposure hours	0	0	0	22.23	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	1999.87	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>0.8%</b>

Licensee Comments: none

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

The NRC has modified the NRC web page to show this performance indicator as discrepant pending NRC inspection of the issue. The NRC has changed the color of the PI on the web page to Gray, indicating that the PI is under review by the NRC. The NRC will perform Inspection Procedure 71150, "Discrepant or Unreported Performance Indicator Data." If feasible, the NRC will independently collect the PI data and then display the updated results on the NRC web page and use these results in the assessment process. Once the root cause(s) of the discrepant PI data have been identified and corrected, and the NRC has verified that the PI data can be collected and reported accurately, oversight of the PI reporting will return to normal inspection per Inspection Procedure 71151, "Performance Indicator Verification."

### Notes

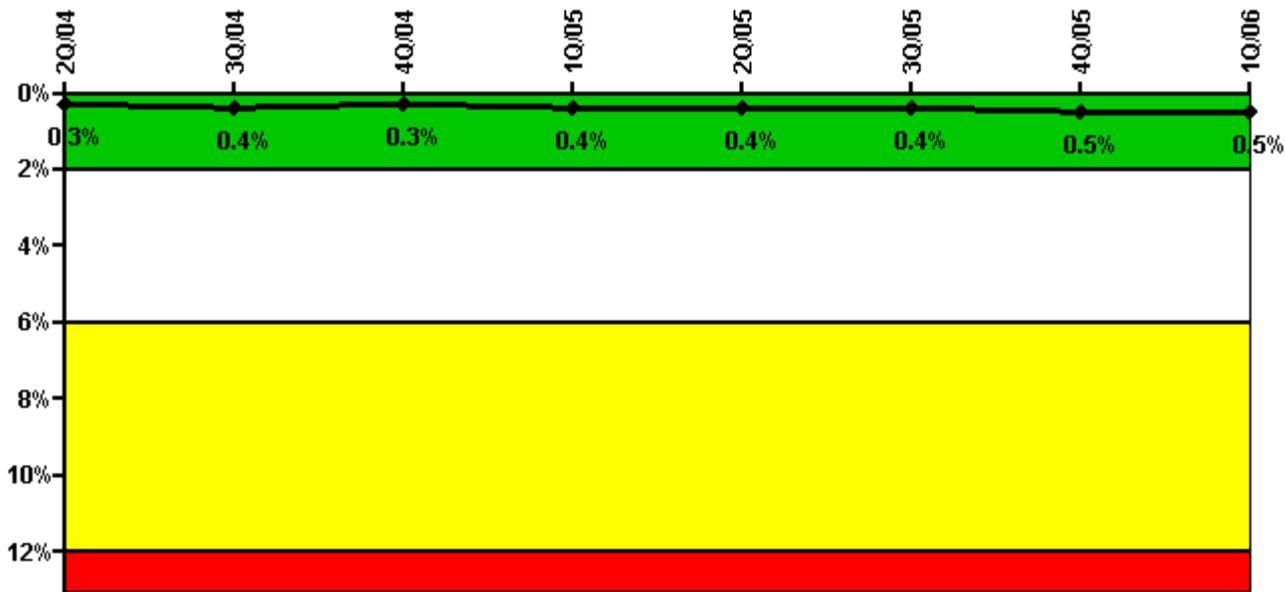
Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	2.48	51.60	0	3.25	0.62	4.32	11.88	39.11
Unplanned unavailable hours	0	15.82	1.27	0	0	9.67	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	19.07	42.97	22.80	0	0	4.55	71.39	37.83
Unplanned unavailable hours	0.05	38.35	0	1.62	5.78	28.60	0	1.45
Fault exposure hours	0	0	0	22.23	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	938.52	1852.39	2209.00	2160.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>1.0%</b>	<b>1.1%</b>

### Licensee Comments:

1Q/06: The NRC has indicated that this PI is under review and an NRC inspection has been initiated using Inspection Procedure 71150, "Discrepant or Unreported Performance Indicator Data."

4Q/05: The NRC has indicated that this PI is under review and an inspection will be performed per Inspection Procedure 71150, "Discrepant or Unreported Performance Indicator Data."

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



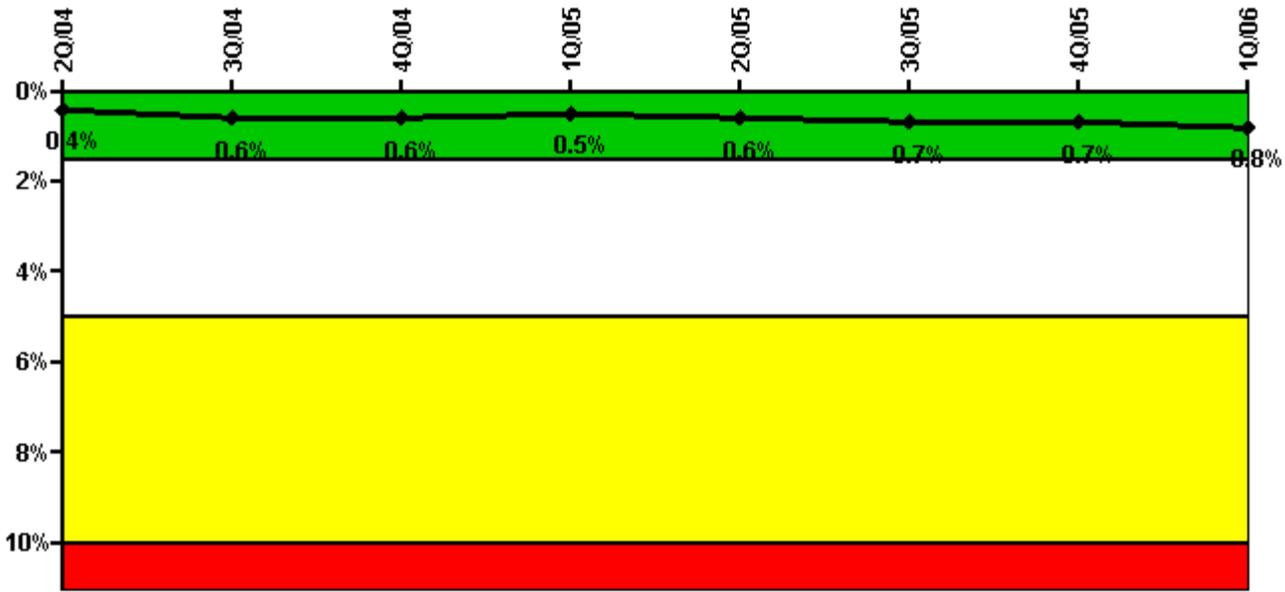
**Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%**

### 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	0	16.35	0	3.25	0.62	0	11.88	37.10
Unplanned unavailable hours	0	15.82	1.27	0	0	9.67	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	938.52	1852.39	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	4.50	9.57	12.35	0	0.62	38.64	0
Unplanned unavailable hours	0.05	0	0	1.62	5.78	28.60	0	1.45
Fault exposure hours	0	0	0	22.23	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	938.52	1852.39	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	20.53	0	0	0	0	0	3.33	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00	2160.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.3%</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



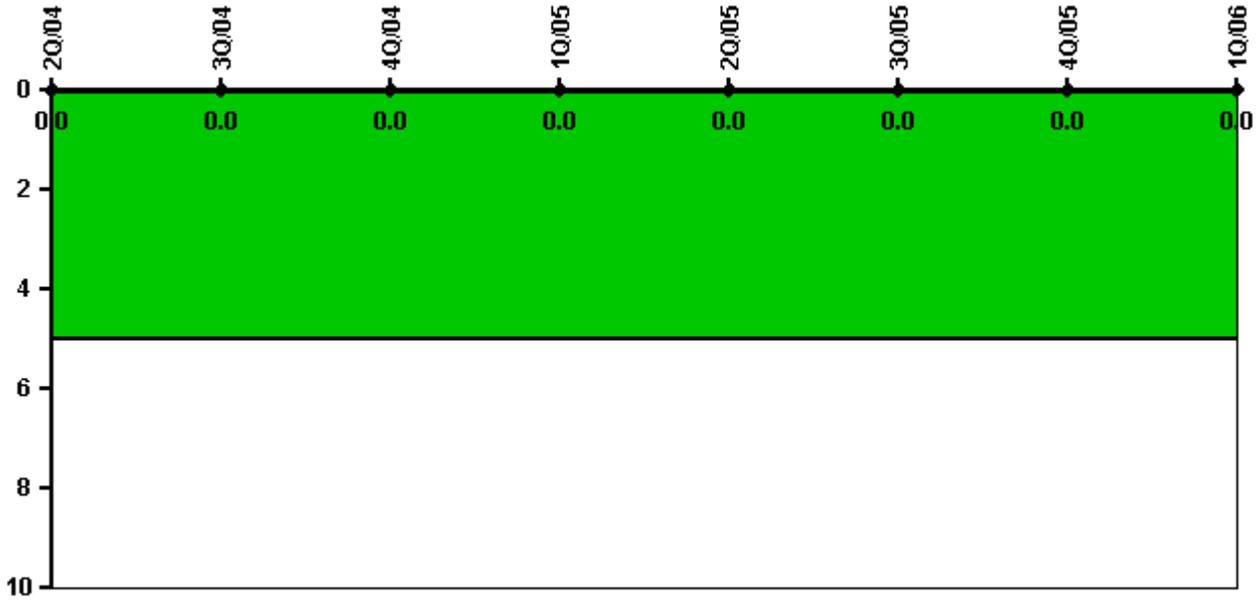
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0	48.46	0	3.25	13.15	6.33	30.24	69.18
Unplanned unavailable hours	0	15.82	1.27	0	0	9.67	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	938.52	1852.39	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	26.84	56.55	37.14	15.83	0	19.87	51.02	36.70
Unplanned unavailable hours	0.05	37.88	0	1.62	5.78	28.60	0	1.45
Fault exposure hours	0	0	0	22.23	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	938.52	1852.39	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0.23	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	0	0	0	0	1061.35	355.61	0	0
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	6.37	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	0	0	0	0	1061.35	355.61	0	0
<b>Indicator value</b>	<b>0.4%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



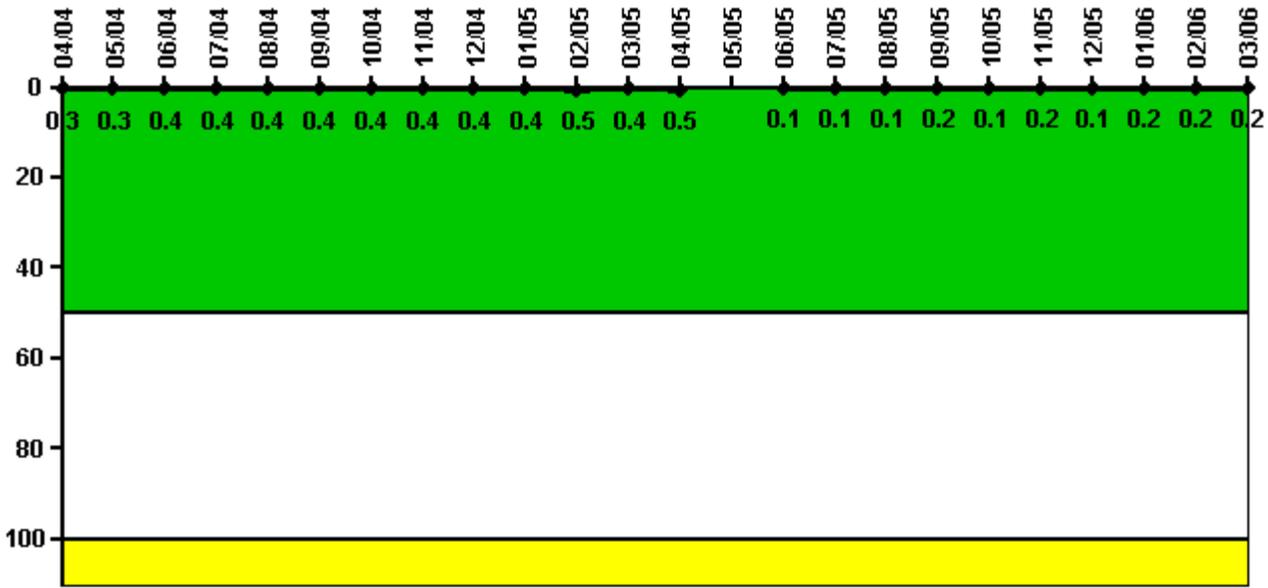
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	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

### Reactor Coolant System Activity



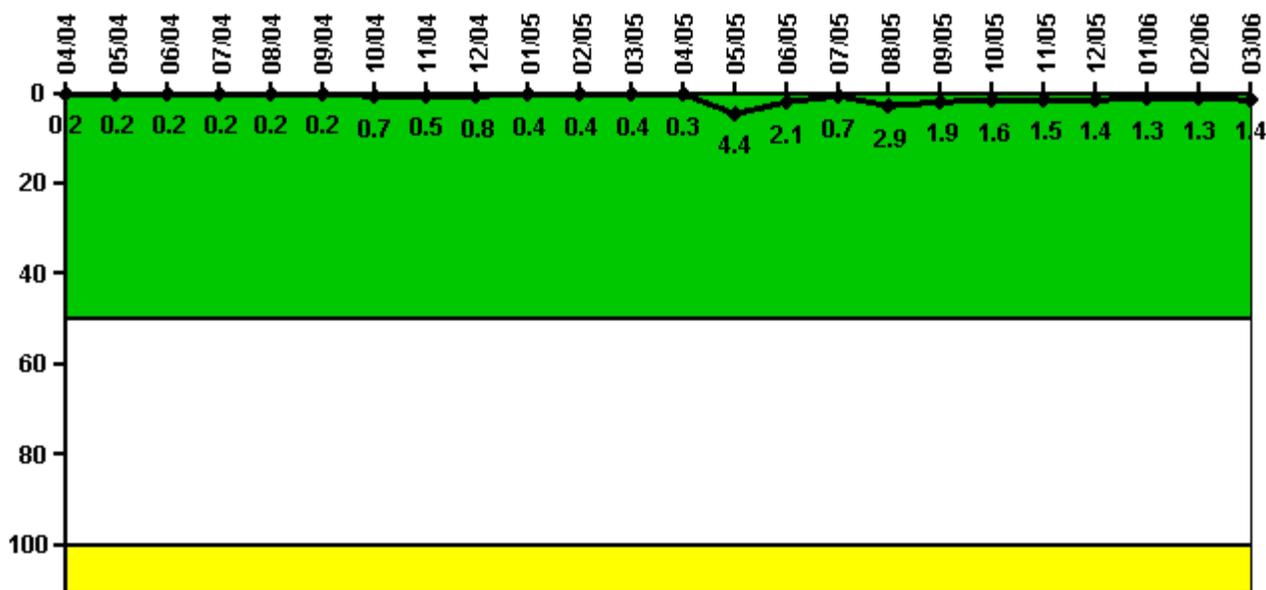
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.002840	0.003340	0.003600	0.003660	0.003660	0.003930	0.004410	0.004250	0.004330	0.004330	0.004810	0.004490
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
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	0.004510	N/A	0.000878	0.000988	0.001120	0.001530	0.001130	0.001870	0.001290	0.001850	0.001800	0.001680
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.5	N/A	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2

Licensee Comments: none

### Reactor Coolant System Leakage



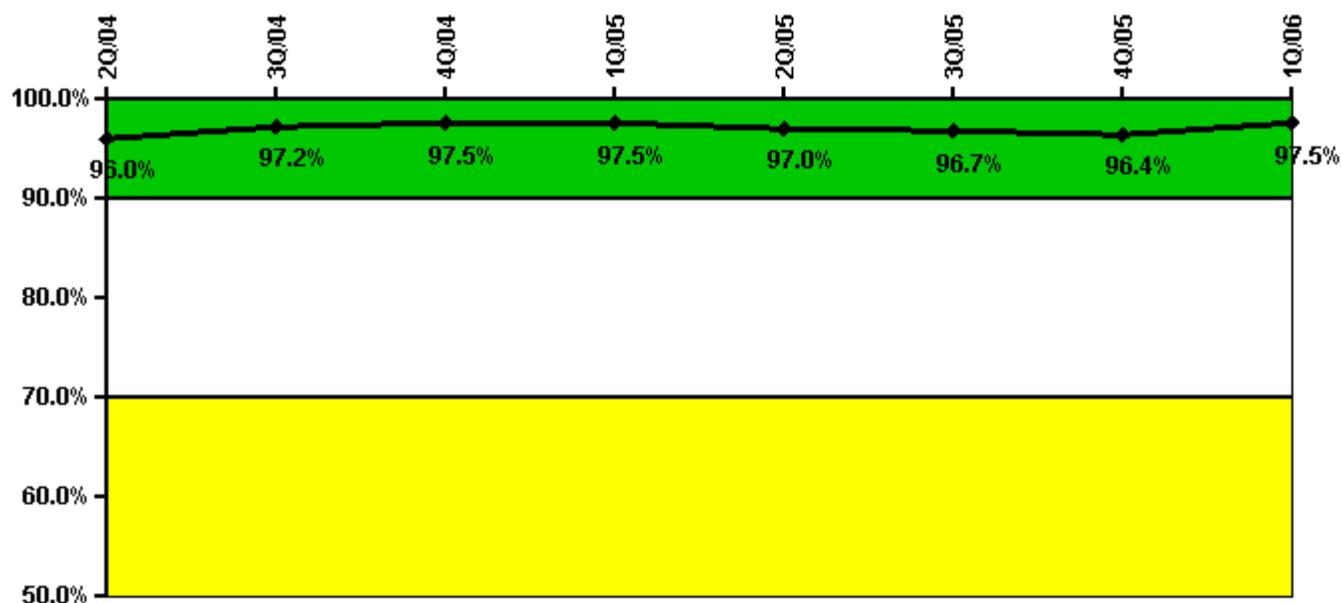
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.020	0.021	0.016	0.018	0.020	0.022	0.072	0.052	0.077	0.043	0.042	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	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.5	0.8	0.4	0.4	0.4
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	0.032	0.440	0.210	0.072	0.289	0.185	0.157	0.147	0.138	0.132	0.132	0.136
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	4.4	2.1	0.7	2.9	1.9	1.6	1.5	1.4	1.3	1.3	1.4

Licensee Comments: none

### Drill/Exercise Performance



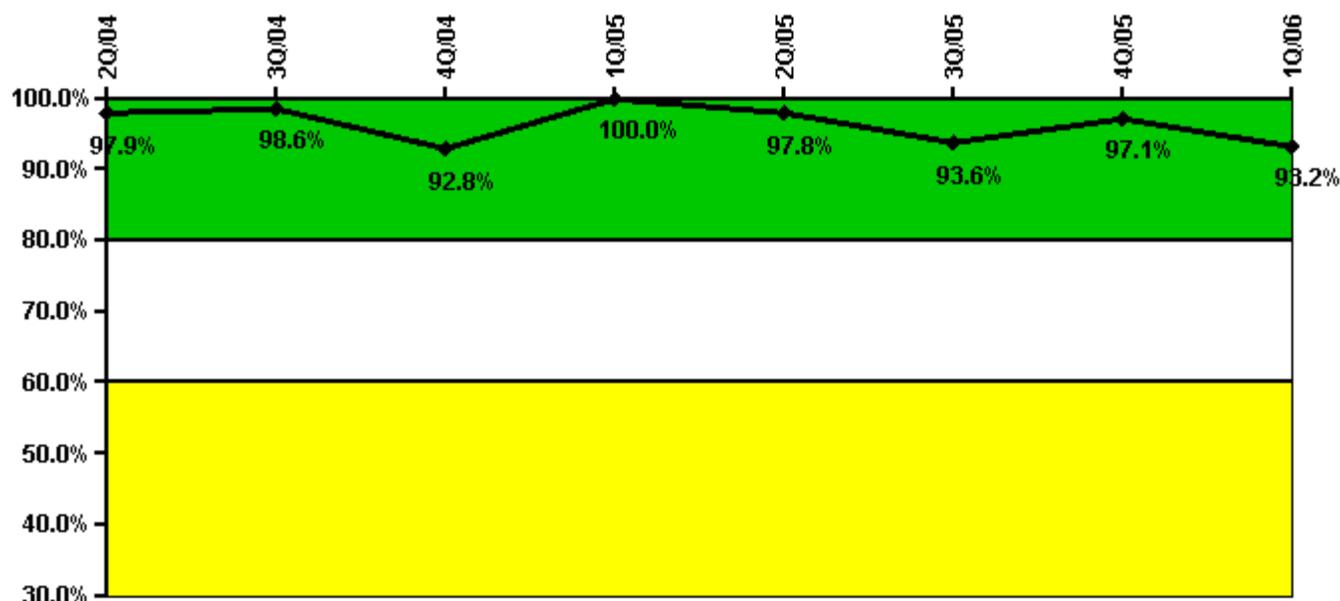
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	22.0	14.0	10.0	23.0	4.0	15.0	22.0	6.0
Total opportunities	22.0	14.0	10.0	24.0	4.0	16.0	23.0	6.0
Indicator value	96.0%	97.2%	97.5%	97.5%	97.0%	96.7%	96.4%	97.5%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

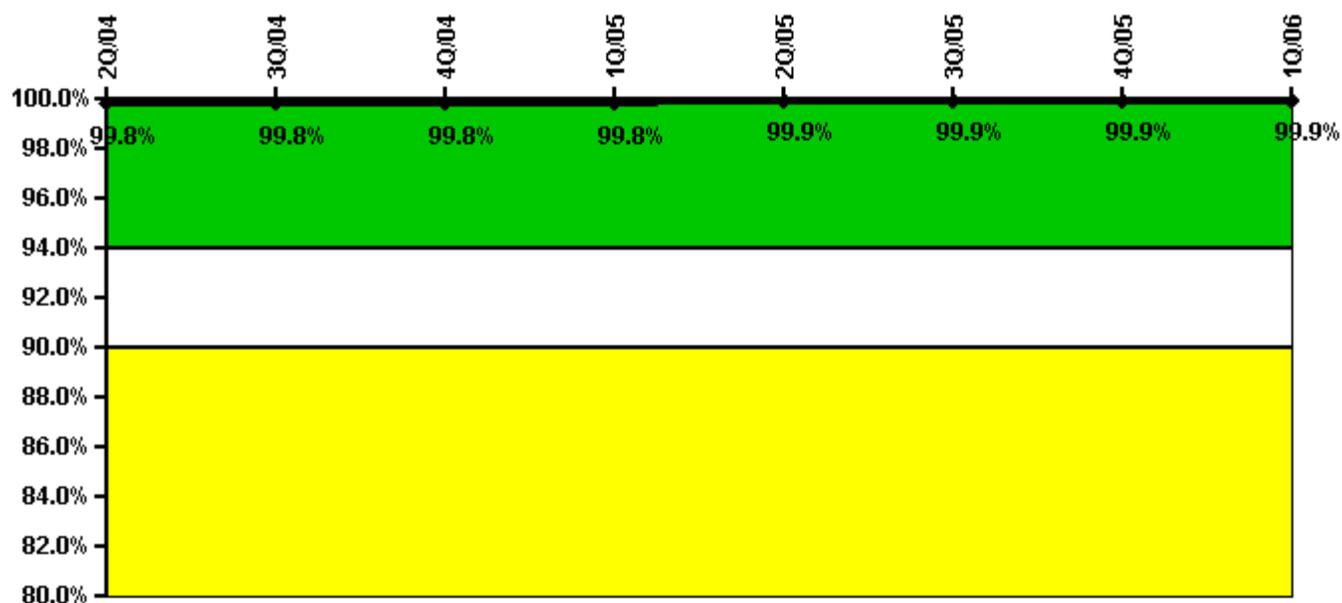
#### Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	138.0	137.0	128.0	134.0	133.0	131.0	132.0	123.0
Total Key personnel	141.0	139.0	138.0	134.0	136.0	140.0	136.0	132.0
Indicator value	97.9%	98.6%	92.8%	100.0%	97.8%	93.6%	97.1%	93.2%

#### Licensee Comments:

1Q/06: A change file is being submitted with the 1st quarter 2006 data submittal to revise this PI's information for the 2nd, 3rd, and 4th quarters of 2005. It was determined that non-licensed operators had not been counted when they should have been. They became key ERO members upon completion of their initial watch stander's qualification card which was not captured during data collection. This revision does not result in a PI color change and remains green.

### Alert & Notification System



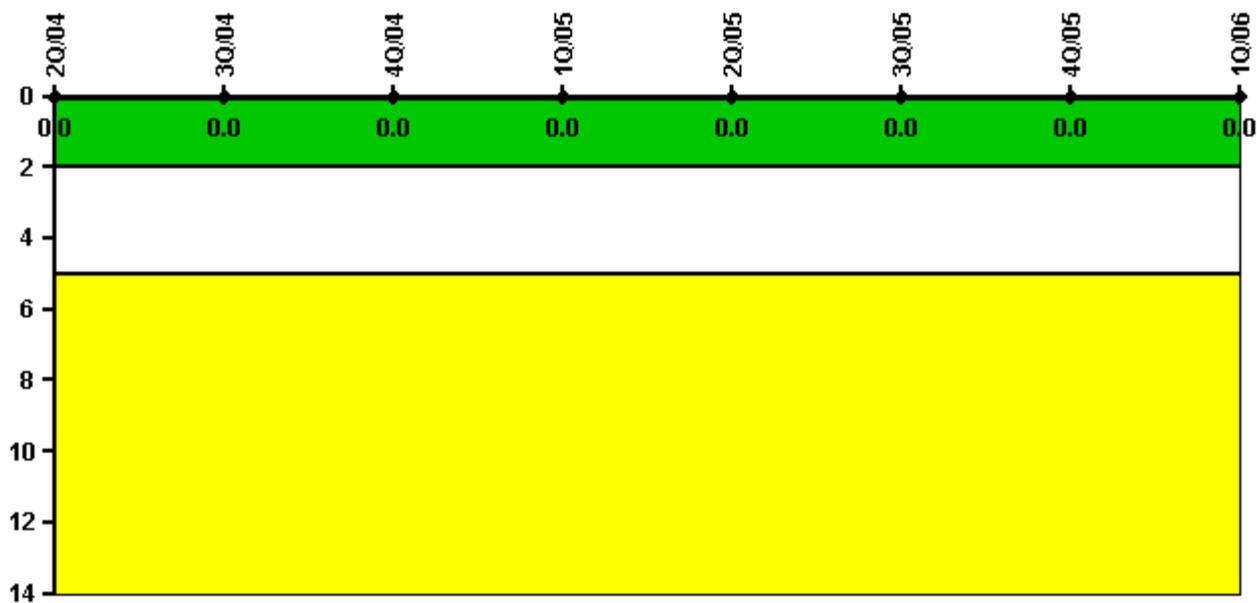
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	430	431	432	432	432	359	431	432
Total sirens-tests	432	432	432	432	432	360	432	432
Indicator value	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



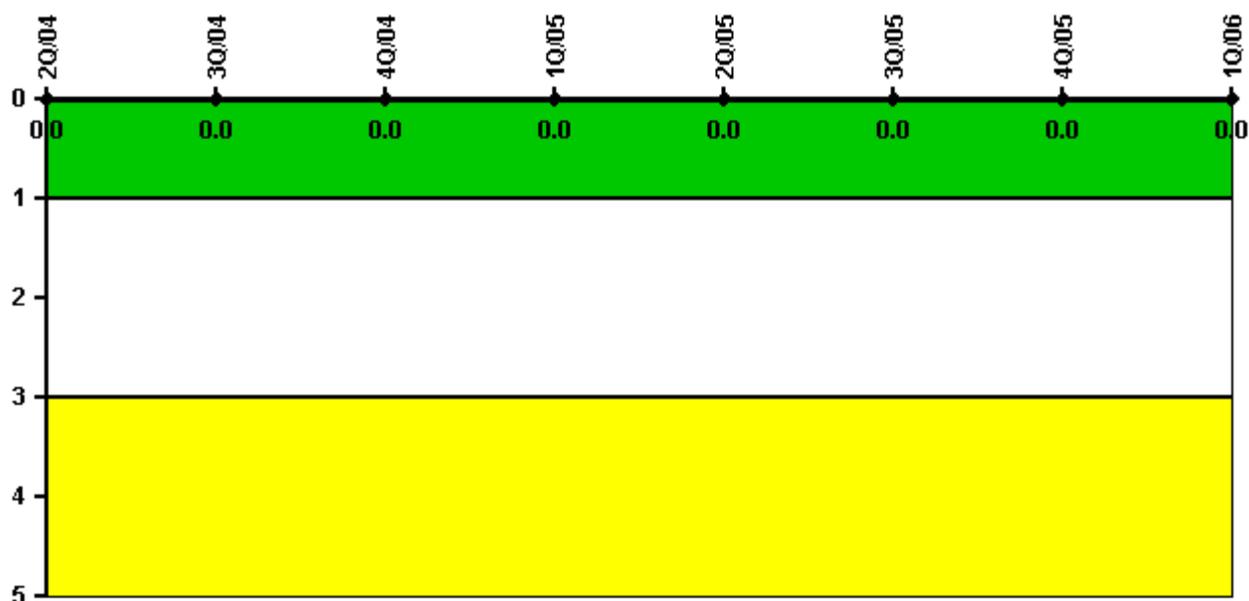
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	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	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: May 5, 2006