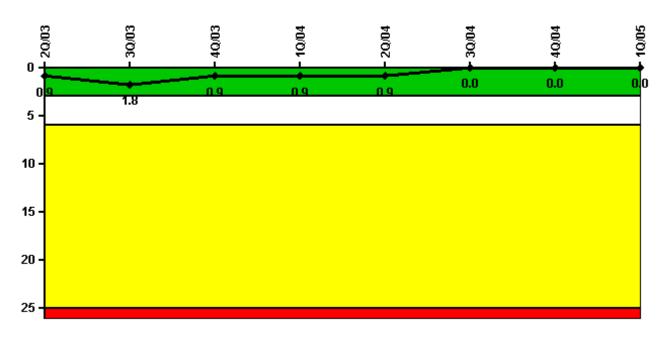
### **Arkansas Nuclear 1**

### **1Q/2005 Performance Indicators**

Licensee's General Comments: none

## Unplanned Scrams per 7000 Critical Hrs

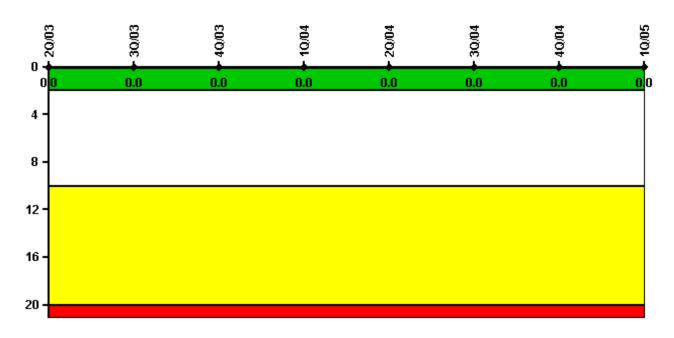


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0
Indicator value	0.9	1.8	0.9	0.9	0.9	0	0	0

### Scrams with Loss of Normal Heat Removal

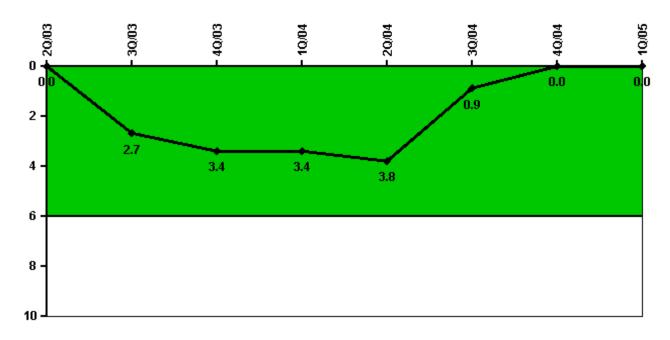


Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	О	О	О	О	О	0	О	О

# Unplanned Power Changes per 7000 Critical Hrs

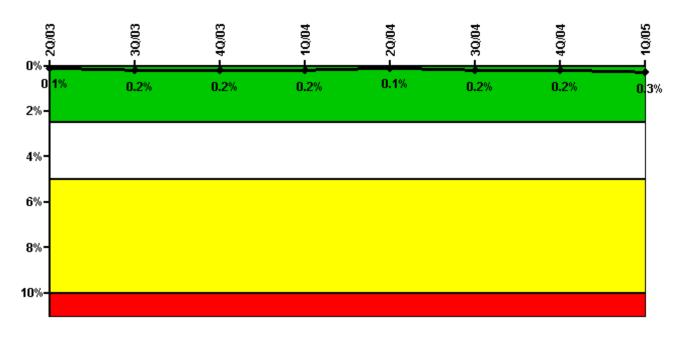


Thresholds: White > 6.0

#### 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	3.0	1.0	0	0	0	0	0
Critical hours	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0
Indicator value	О	2.7	3.4	3.4	3.8	0.9	О	О

### Safety System Unavailability, Emergency AC Power



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

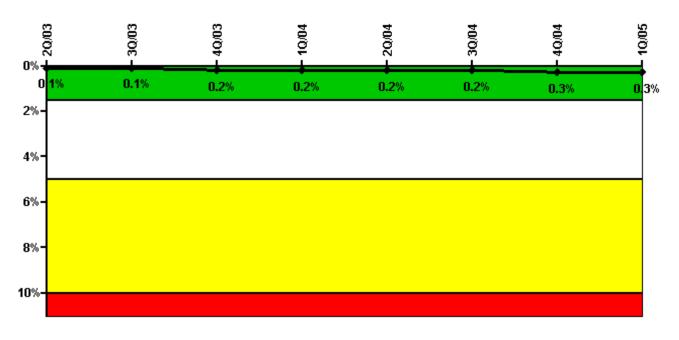
#### Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	3.38	0.90	0.83	1.33	1.23	8.20	0.91	0.54
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
Train 2								
Planned unavailable hours	0.91	24.30	0.65	0.78	0.85	20.40	1.15	20.64
Unplanned unavailable hours	0	0	0	0	0	11.08	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
Indicator value	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.3%

#### Licensee Comments:

1Q/05: The 13.05 hours of unavailability from an Exhaust Fan Damper issue referenced in the 4th quarter 2004 submittal has been evaluated. Engineering has concluded that the Emergency Diesel Generator was available during this time, and that per NEI 99-02 guidelines, the issue requires no unavailability reporting.

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

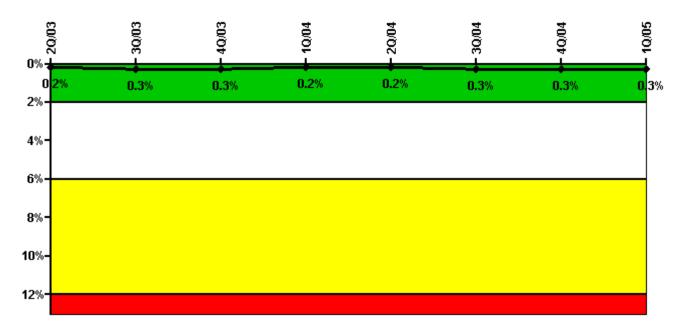


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	10/04	2Q/04	3Q/04	4Q/04	10/05
Train 1								
Planned unavailable hours	0	16.80	0	0	0	17.12	0	17.70
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	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	8.10	5.10	36.87	0	0	0	57.20	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	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00
Indicator value	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%

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

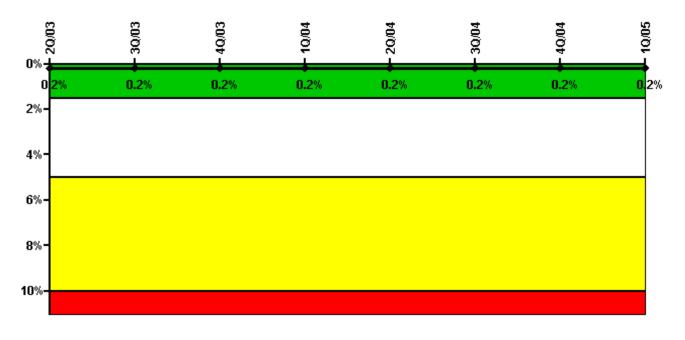


Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	40/04	10/05
Train 1								
Planned unavailable hours	0	27.30	0	0.93	5.10	21.90	0	0
Unplanned unavailable hours	0	33.30	0	0	0	0	14.90	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	2184.00	1317.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.60	0	0	0	0	0	24.80	0
Unplanned unavailable hours	0	0	0	0	0	0	5.70	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	1720.00	2208.00	2209.00	2160.00
Indicator value	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.3%

## Safety System Unavailability, Residual Heat Removal System

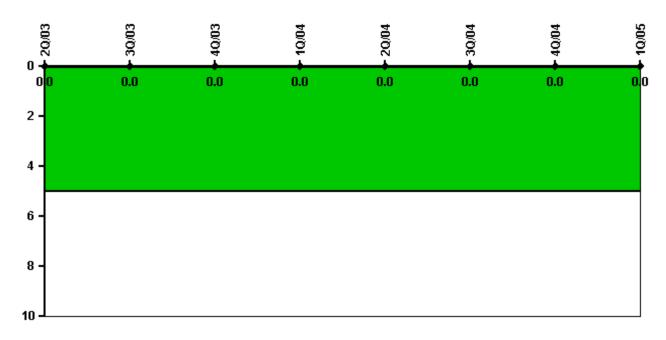


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	19.30	0	0	0	0	10.48	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0	13.28	7.42	0	12.22	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

# Safety System Functional Failures (PWR)

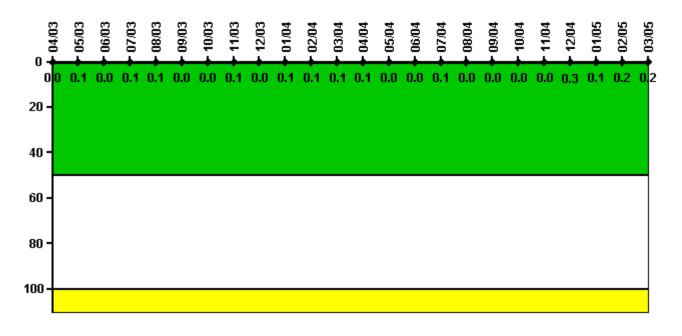


Thresholds: White > 5.0

#### 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	О	О	О	О	О	О	О

## **Reactor Coolant System Activity**

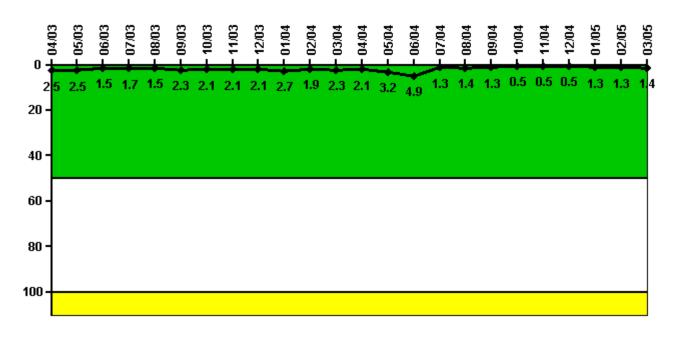


Thresholds: White > 50.0 Yellow > 100.0

### 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	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0.1	О .	о (	0.1	O	0.1	0.1	0.1
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	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0.1	0	0	0	0	0.3	0.1	0.2	0.2

## **Reactor Coolant System Leakage**



Thresholds: White > 50.0 Yellow > 100.0

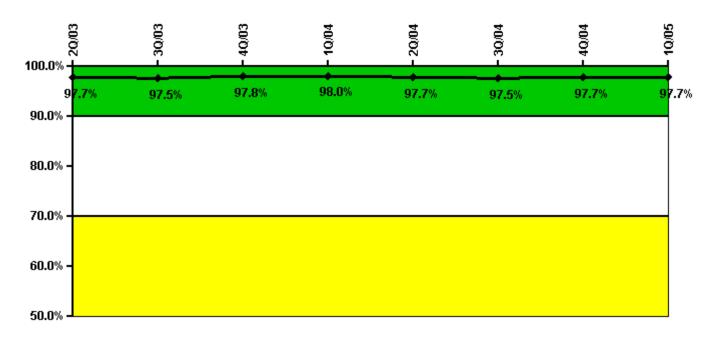
#### Notes

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	0.245	0.252	0.151	0.171	0.153	0.230	0.211	0.211	0.211	0.272	0.189	0.234
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	2.5	2.5	1.5	1.7	1.5	2.3	2.1	2.1	2.1	2.7	1.9	2.3
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	0.208	0.315	0.488	0.131	0.142	0.132	0.054	0.052	0.048	0.133	0.133	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	2.1	3.2	4.9	1.3	1.4	1.3	0.5	0.5	0.5	1.3	1.3	1.4

Licensee Comments:

3/05: Total Leakage is being conservatively reported in lieu of Identified Leakage.

### **Drill/Exercise Performance**

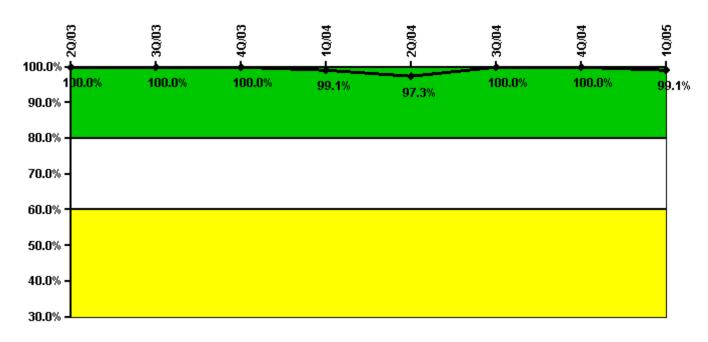


Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	78.0	43.0	44.0	13.0	13.0	37.0	30.0	0
Total opportunities	79.0	45.0	46.0	13.0	14.0	37.0	30.0	0
Indicator value	97.7%	97.5%	97.8%	98.0%	97.7%	97.5%	97.7%	97.7%

## **ERO Drill Participation**

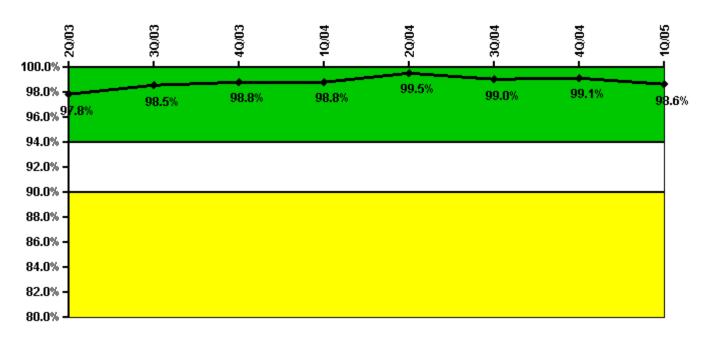


Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	123.0	126.0	118.0	116.0	108.0	109.0	114.0	112.0
Total Key personnel	123.0	126.0	118.0	117.0	111.0	109.0	114.0	113.0
Indicator value	100.0%	100.0%	100.0%	99.1%	97.3%	100.0%	100.0%	99.1%

## **Alert & Notification System**

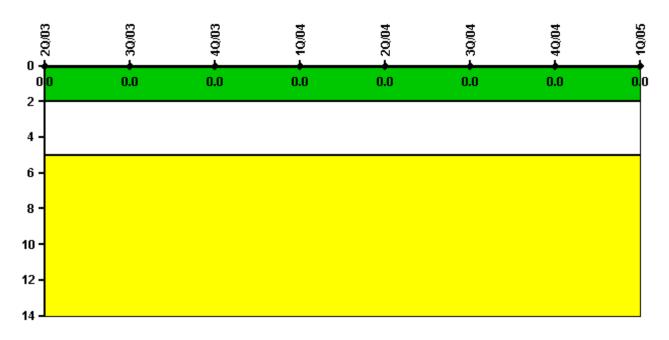


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	10/04	2Q/04	3Q/04	4Q/04	10/05
Successful siren-tests	143	146	146	146	147	143	147	143
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	98.5%	98.8%	98.8%	99.5%	99.0%	99.1%	98.6%

## **Occupational Exposure Control Effectiveness**

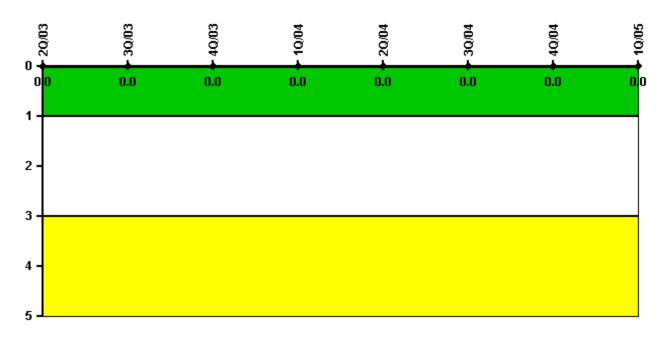


Thresholds: White > 2.0 Yellow > 5.0

#### 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
Indicator value	О	О	О	О	О	О	О	О

## **RETS/ODCM Radiological Effluent**



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/03	3Q/03	4Q/03	10/04	2Q/04	3Q/04	4Q/04	1Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

<u>Physical Protection</u> information not publicly available.

A

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: June 17, 2005