Millstone 3

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2160.0	826.7	2208.0	2209.0	2184.0
Indicator value	**4.8**	**4.2**	**3.1**	**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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/98: Revised the 4th quarter 1998 data to remove the two SCRAMs (1 in Nov. And 1 in Dec). In September 2000, these scrams were reviewed against the criteria of NEI 99-02, Rev. 0 and it was determined that they did not involve a loss of the normal heat removal path based on the following: a) The main condenser remained available as a heat removal path during both events, b) Feedwater isolation (as a result of a reactor trip coincident with low Tavg) and automatic AFW actuation is a normal post-scram response, and c) The December 1998 Main Steam Isolation Valve (MSIV) closure only affected a single valve - the other 3 MSIVs remained open to provide a heat removal path to the main condenser.

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2160.0	826.7	2208.0	2209.0	2184.0
Indicator value	**4.8**	**4.2**	**2.0**	**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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	21.60	12.37	24.27	19.30	36.55
Unplanned unavailable hours	19.30	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	23.70	7.40	16.34	20.72	25.03
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.8%**

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/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	22.70	0.10	9.07	11.44	22.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.70	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	10.06	1.50	9.68	13.65	22.52
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.70	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	26.42	0	18.86	12.84	20.90
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.70	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	17.01	0.10	5.92	21.89	9.51
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.70	2208.00	2209.00	2184.00
Indicator value	**1.0%**	**0.8%**	**0.8%**	**0.7%**	**0.8%**

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
Train 1					
Planned unavailable hours	4.14	8.75	13.53	9.88	9.92
Unplanned unavailable hours	0.20	0.42	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.70	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	10.98	0.87	15.58	3.95	11.45
Unplanned unavailable hours	1.96	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.10	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	4.80	3.76	9.60	13.47	5.96
Unplanned unavailable hours	0	0	1.40	26.03	10.28
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	826.10	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments:

1Q/00: Revised Q1 2000 unplanned hours on train 3, identified discrepancy during data review. This revision does not result in crossing a threshold/ performance color change.

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
Train 1					
Planned unavailable hours	14.65	4.60	10.81	23.60	9.70
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	19.94	15.80	4.68	13.54	17.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	19.00	0	0	10.30	9.08
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	13.20	0	0	17.40	3.70

Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**

Licensee Comments: none

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	2	0	0	0	0
Indicator value	**6**	**5**	**3**	**2**	**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	0.001910	0.000879	N/A	0.000363	0.000358	0.000360	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486
Technical specification limit	1.0	1.0	N/A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.2**	**0.1**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3/00: Revised the first quarter data to reflect the maximum monthly activity vs. the average monthly activity to be consistent with the requirements of NEI 99-02. This revision does not result in crossing a threshold/performance color change.

6/99: Replaced 6/99 null value with NA since the unit was shutdown for refueling.

6/98: Replaced null values for the second quarter since the unit was shut down for recovery.

3/98: Replaced null values for the first quarter since the unit was shut down for recovery.

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	0.160	0	0.596	0.187	0.198	0.110	0.320	0.160	0.080	0.075	0.084	0.127
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	**1.6**	**0**	**6.0**	**1.9**	**2.0**	**1.1**	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**

Licensee Comments:

6/98: Replaced null values for the second quarter since the unit was shut down for recovery.

3/98: Replaced null values for the first quarter since the unit was shut down for recovery.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	2.0	15.0	12.0	27.0
Total opportunities	0	2.0	20.0	14.0	28.0
Indicator value		**95.2%**	**91.3%**	**90.0%**	**90.0%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	70.0	69.0	71.0	74.0	76.0
Total Key personnel	72.0	72.0	73.0	74.0	76.0
Indicator value	**97.2%**	**95.8%**	**97.3%**	**100.0%**	**100.0%**

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	328	329	336	335	304
Total sirens-tests	334	331	337	336	306
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**99.5%**

Licensee Comments:

1Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

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	60.00	60.00	44.00	17.70	29.10
CCTV compensatory hours	0	0	0	0.5	0
IDS normalization factor	2.55	2.55	2.55	2.55	2.55
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1
Index Value	**0.005**	**0.005**	**0.005**	**0.004**	**0.003**

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

Last Modified: April 1, 2002

Millstone 3

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	826.7	2208.0	2209.0	2184.0	2183.0
Indicator value	**4.2**	**3.1**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

4Q/98: Revised the 4th quarter 1998 data to remove the two SCRAMs (1 in Nov. And 1 in Dec). In September 2000, these scrams were reviewed against the criteria of NEI 99-02, Rev. 0 and it was determined that they did not involve a loss of the normal heat removal path based on the following: a) The main condenser remained available as a heat removal path during both events, b) Feedwater isolation (as a result of a reactor trip coincident with low Tavg) and automatic AFW actuation is a normal post-scram response, and c) The December 1998 Main Steam Isolation Valve (MSIV) closure only affected a single valve - the other 3 MSIVs remained open to provide a heat removal path to the main condenser.

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	826.7	2208.0	2209.0	2184.0	2183.0
Indicator value	**4.2**	**2.0**	**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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	12.37	24.27	19.30	36.55	16.13
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	7.40	16.34	20.72	25.03	28.49
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.8%**	**0.9%**

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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.10	9.07	11.44	22.40	24.60
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	826.70	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	1.50	9.68	13.65	22.52	15.33
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	826.70	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	0	18.86	12.84	20.90	15.34
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	826.70	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0.10	5.92	21.89	9.51	11.73
Unplanned unavailable hours	0	0	0	0	1.72
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	826.70	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**

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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	8.75	13.53	9.88	9.92	2.97
Unplanned unavailable hours	0.42	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	826.70	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0.87	15.58	3.95	11.45	9.69
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	826.10	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	3.76	9.60	13.47	5.96	9.47
Unplanned unavailable hours	0	1.40	26.03	10.28	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	826.10	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**

Licensee Comments:

1Q/00: Revised Q1 2000 unplanned hours on train 3, identified discrepancy during data review. This revision does not result in crossing a threshold/ performance color change.

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
Train 1					
Planned unavailable hours	4.60	10.81	23.60	9.70	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	0
Train 2					
Planned unavailable hours	15.80	4.68	13.54	17.60	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	0
Train 3					
Planned unavailable hours	0	0	10.30	9.08	13.33
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0	0	17.40	3.70	7.47

Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**

Licensee Comments: none

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	**5**	**3**	**2**	**0**	**0**

Licensee Comments: none

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	0.000363	0.000358	0.000360	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments:

3/00: Revised the first quarter data to reflect the maximum monthly activity vs. the average monthly activity to be consistent with the requirements of NEI 99-02. This revision does not result in crossing a threshold/performance color change.

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	0.187	0.198	0.110	0.320	0.160	0.080	0.075	0.084	0.127	0.203	0.099	0.107
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	**1.9**	**2.0**	**1.1**	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**

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	2.0	15.0	12.0	27.0	14.0
Total opportunities	2.0	20.0	14.0	28.0	14.0
Indicator value	**95.2%**	**91.3%**	**90.0%**	**90.0%**	**90.5%**

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	69.0	71.0	74.0	76.0	55.0
Total Key personnel	72.0	73.0	74.0	76.0	55.0
Indicator value	**95.8%**	**97.3%**	**100.0%**	**100.0%**	**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	329	336	335	304	308
Total sirens-tests	331	337	336	306	308
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.5%**	**99.7%**

Licensee Comments:

2Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

1Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	60.00	44.00	17.70	29.10	15.10
CCTV compensatory hours	0	0	0.5	0	29.1
IDS normalization factor	2.55	2.55	2.55	2.55	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1
Index Value	**0.005**	**0.005**	**0.004**	**0.003**	**0.003**

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

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

Millstone 3

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	2209.0	2184.0	2183.0	2208.0
Indicator value	**3.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

4Q/98: Revised the 4th quarter 1998 data to remove the two SCRAMs (1 in Nov. And 1 in Dec). In September 2000, these scrams were reviewed against the criteria of NEI 99-02, Rev. 0 and it was determined that they did not involve a loss of the normal heat removal path based on the following: a) The main condenser remained available as a heat removal path during both events, b) Feedwater isolation (as a result of a reactor trip coincident with low Tavg) and automatic AFW actuation is a normal post-scram response, and c) The December 1998 Main Steam Isolation Valve (MSIV) closure only affected a single valve - the other 3 MSIVs remained open to provide a heat removal path to the main condenser.

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	2209.0	2184.0	2183.0	2208.0
Indicator value	**2.0**	**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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	24.27	19.30	36.55	16.13	20.64
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	16.34	20.72	25.03	28.49	16.88
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.6%**	**0.7%**	**0.8%**	**0.9%**	**1.0%**

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/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	9.07	11.44	22.40	24.60	23.09
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	9.68	13.65	22.52	15.33	44.47
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	18.86	12.84	20.90	15.34	22.92
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 4					
Planned unavailable hours	5.92	21.89	9.51	11.73	15.41
Unplanned unavailable hours	0	0	0	1.72	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
Indicator value	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**

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/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	13.53	9.88	9.92	2.97	13.20
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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	15.58	3.95	11.45	9.69	6.52
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	9.60	13.47	5.96	9.47	23.00
Unplanned unavailable hours	1.40	26.03	10.28	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
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	10.81	23.60	9.70	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	0	0
Train 2					
Planned unavailable hours	4.68	13.54	17.60	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	0	0
Train 3					
Planned unavailable hours	0	10.30	9.08	13.33	17.19
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 4					
Planned unavailable hours	0	17.40	3.70	7.47	31.62
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0

Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.4%**

Licensee Comments: none

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	**3**	**2**	**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	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	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	0.320	0.160	0.080	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185
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	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**

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	15.0	12.0	27.0	14.0	0
Total opportunities	20.0	14.0	28.0	14.0	0
Indicator value	**91.3%**	**90.0%**	**90.0%**	**90.5%**	**90.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	71.0	74.0	76.0	55.0	58.0
Total Key personnel	73.0	74.0	76.0	55.0	71.0
Indicator value	**97.3%**	**100.0%**	**100.0%**	**100.0%**	**81.7%**

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	336	335	304	308	308
Total sirens-tests	337	336	306	308	308
Indicator value	**99.3%**	**99.3%**	**99.5%**	**99.7%**	**99.8%**

Licensee Comments:

3Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

2Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

1Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	44.00	17.70	29.10	15.10	134.00
CCTV compensatory hours	0	0.5	0	29.1	12.9
IDS normalization factor	2.55	2.55	2.55	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1
Index Value	**0.005**	**0.004**	**0.003**	**0.003**	**0.006**

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

Millstone 3

4Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0
Indicator value	**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/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

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	2209.0	2184.0	2183.0	2208.0	2209.0
Indicator value	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	19.30	36.55	16.13	20.64	28.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	20.72	25.03	28.49	16.88	44.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	11.44	22.40	24.60	23.09	34.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	13.65	22.52	15.33	44.47	19.59
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 3					
Planned unavailable hours	12.84	20.90	15.34	22.92	19.57
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 4					
Planned unavailable hours	21.89	9.51	11.73	15.41	27.12
Unplanned unavailable hours	0	0	1.72	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
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**

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
Train 1					
Planned unavailable hours	9.88	9.92	2.97	13.20	3.78
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	3.95	11.45	9.69	6.52	1.98
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 3					
Planned unavailable hours	13.47	5.96	9.47	23.00	3.75
Unplanned unavailable hours	26.03	10.28	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
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	23.60	9.70	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0
Train 2					
Planned unavailable hours	13.54	17.60	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0
Train 3					
Planned unavailable hours	10.30	9.08	13.33	17.19	5.83
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 4					
Planned unavailable hours	17.40	3.70	7.47	31.62	6.02
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0

Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**

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**
Safety System Functional Failures	0	0	0	0	0
Indicator value	**2**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538	0.000540	0.000543	0.000578
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**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**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	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185	0.098	0.146	0.124
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**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**	**1.0**	**1.5**	**1.2**

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
Successful opportunities	12.0	27.0	14.0	0	11.0
Total opportunities	14.0	28.0	14.0	0	12.0
Indicator value	**90.0%**	**90.0%**	**90.5%**	**90.5%**	**90.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	74.0	76.0	55.0	58.0	66.0
Total Key personnel	74.0	76.0	55.0	71.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**81.7%**	**95.7%**

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
Successful siren-tests	335	304	308	308	474
Total sirens-tests	336	306	308	308	474
Indicator value	**99.3%**	**99.5%**	**99.7%**	**99.8%**	**99.9%**

Licensee Comments:

4Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

4Q/00: An error in the data collection was discovered. Previously the siren test data reported each quarter was actually 4 quarters of data. Historical data was corrected back to the First Quarter 1999 only, data in the previous quarters was not corrected. Correction of the error had a small effect on the indicator value and did not result in any threshold being crossed.

3Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

2Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

1Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**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
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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	17.70	29.10	15.10	134.00	1037.00
CCTV compensatory hours	0.5	0	29.1	12.9	0
IDS normalization factor	2.55	2.55	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1
Index Value	**0.004**	**0.003**	**0.003**	**0.006**	**0.029**

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

Last Modified: March 28, 2002

Millstone 3

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	866.1
Indicator value	**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/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	2209.0	2184.0	2183.0	2208.0	2209.0	866.1
Indicator value	**0**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	19.30	36.55	16.13	20.64	28.80	5.90
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	20.72	25.03	28.49	16.88	44.30	16.08
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	11.44	22.40	24.60	23.09	34.40	9.24
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1121.14
Train 2						
Planned unavailable hours	13.65	22.52	15.33	44.47	19.59	13.98
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1121.14
Train 3						
Planned unavailable hours	12.84	20.90	15.34	22.92	19.57	17.45
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70
Train 4						
Planned unavailable hours	21.89	9.51	11.73	15.41	27.12	4.39
Unplanned unavailable hours	0	0	1.72	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	1182.70
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. An engineering review performed by Westinghouse determined the "A" Charging Pump remained available. The 371.93 Fault Exposure Hours reported for March have been removed. The removal of these Fault Exposure Hours in the 1st quarter 2001 results in the indicator remaining in the GREEN performance band.

1Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. This may have resulted in the pump being unavailable and may require the addition of 371.93 Fault Exposure Hours for March. This event is still under review. The addition of these Fault Exposure Hours did not result in the indicator crossing the GREEN/WHITE threshold in the 1st quarter.

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
Train 1						
Planned unavailable hours	9.88	9.92	2.97	13.20	3.78	1.90
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07
Train 2						
Planned unavailable hours	3.95	11.45	9.69	6.52	1.98	6.10
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07
Train 3						
Planned unavailable hours	13.47	5.96	9.47	23.00	3.75	34.79

Unplanned unavailable hours	26.03	10.28	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	1112.07
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	23.60	9.70	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50
Train 2						
Planned unavailable hours	13.54	17.60	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50
Train 3						

Planned unavailable hours	10.30	9.08	13.33	17.19	5.83	1.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70
Train 4						
Planned unavailable hours	17.40	3.70	7.47	31.62	6.02	8.14
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**

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
Safety System Functional Failures	0	0	0	0	0	0
Indicator value	**2**	**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	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000540	0.000543	0.000578	0.000541	0.000439	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**N/A**

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	0.320	0.160	0.080	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185
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	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.098	0.146	0.124	0.119	0.069	0.106
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	12.0	27.0	14.0	0	11.0	0
Total opportunities	14.0	28.0	14.0	0	12.0	0
Indicator value	**90.0%**	**90.0%**	**90.5%**	**90.5%**	**90.0%**	**90.0%**

Licensee Comments: none

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	74.0	76.0	55.0	58.0	66.0	60.0
Total Key personnel	74.0	76.0	55.0	71.0	69.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**81.7%**	**95.7%**	**90.9%**

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	335	304	308	308	474	314
Total sirens-tests	336	306	308	308	474	316
Indicator value	**99.3%**	**99.5%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**

Licensee Comments:

1Q/01: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

4Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

3Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

2Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

1Q/00: The reporting data was found to be inconsistent with industry norms and not reflective of all tests conducted. Previously reported siren encoder tests were removed, as were 11 sirens located outside of the plume exposure zone. The quarterly growl tests conducted in the 4th quarter, not previously reported, were added in. Adjusting the data had minimal effects on the indicator values and did not result in any threshold being crossed. Consistent with the guidance provided in NEI 99-02 the data has only been corrected back to the 1st quarter 2000.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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	17.70	29.10	15.10	134.00	1037.00	0
CCTV compensatory hours	0.5	0	29.1	12.9	0	10.5
IDS normalization factor	2.55	2.55	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.004**	**0.003**	**0.003**	**0.006**	**0.029**	**0.028**

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

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

Last Modified: March 28, 2002

Millstone 3

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	866.1	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

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	2209.0	2184.0	2183.0	2208.0	2209.0	866.1	2183.0
Indicator value	**0**	**0**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	19.30	36.55	16.13	20.64	28.80	5.90	27.76
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	20.72	25.03	28.49	16.88	44.30	16.08	16.33
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	11.44	22.40	24.60	23.09	34.40	9.24	24.80
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1121.14	2183.00
Train 2							
Planned unavailable hours	13.65	22.52	15.33	44.47	19.59	13.98	15.35
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1121.14	2183.00
Train 3							
Planned unavailable hours	12.84	20.90	15.34	22.92	19.57	17.45	39.91
Unplanned unavailable hours	0	0	0	0	0	0	22.10
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	1182.70	2183.00
Train 4							
Planned unavailable hours	21.89	9.51	11.73	15.41	27.12	4.39	42.13
Unplanned unavailable hours	0	0	1.72	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments:

2Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. This may have resulted in the pump being unavailable and may require the addition of 371.93 Fault Exposure Hours for the 1st quarter 2001 (March), and the balance (1756.95 Fault Exposure Hours) in the 2nd quarter 2001. This event is still under review. The addition of these Fault Exposure Hours in the 2nd quarter 2001 resulted in the indicator crossing the GREEN/WHITE threshold.

2Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. An engineering review performed by Westinghouse determined the "A" Charging Pump remained available. The 371.93 Fault Exposure Hours reported for the 1st quarter 2001 (March), the balance (1756.95 Fault Exposure Hours) reported for the 2nd quarter 2001 have been removed, and the Unplanned Unavailable Hours were revised for June. The removal of these Fault Exposure Hours and the revision of the Unplanned Unavailable in the 2nd quarter 2001 results in the indicator remaining in the GREEN performance band.

1Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. An engineering review performed by Westinghouse determined the "A" Charging Pump remained available. The 371.93 Fault Exposure Hours reported for March have been removed. The removal of these Fault Exposure Hours in the 1st quarter 2001 results in the indicator remaining in the GREEN performance band.

1Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. This may have resulted in the pump being unavailable and may require the addition of 371.93 Fault Exposure Hours for March. This event is still under review. The addition of these Fault Exposure Hours did not result in the indicator crossing the GREEN/WHITE threshold in the 1st quarter.

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
Train 1							
Planned unavailable hours	9.88	9.92	2.97	13.20	3.78	1.90	2.08
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0

Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07	2183.00
Train 2							
Planned unavailable hours	3.95	11.45	9.69	6.52	1.98	6.10	3.85
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07	2183.00
Train 3							
Planned unavailable hours	13.47	5.96	9.47	23.00	3.75	34.79	20.27
Unplanned unavailable hours	26.03	10.28	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07	2183.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	23.60	9.70	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50	0
Train 2							
Planned unavailable hours	13.54	17.60	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50	0
Train 3							
Planned unavailable hours	10.30	9.08	13.33	17.19	5.83	1.20	30.00
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00
Train 4							
Planned unavailable hours	17.40	3.70	7.47	31.62	6.02	8.14	6.84
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**

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
Safety System Functional Failures	0	0	0	0	0	0	0
Indicator value	**2**	**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	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**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
Maximum activity	0.000540	0.000543	0.000578	0.000541	0.000439	N/A	0.000209	0.000279	0.000231
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.320	0.160	0.080	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185
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	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.098	0.146	0.124	0.119	0.069	0.106	0.173	0.161	0.146
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**

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	12.0	27.0	14.0	0	11.0	0	41.0
Total opportunities	14.0	28.0	14.0	0	12.0	0	45.0
Indicator value	**90.0%**	**90.0%**	**90.5%**	**90.5%**	**90.0%**	**90.0%**	**90.2%**

Licensee Comments: none

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	74.0	76.0	55.0	58.0	66.0	60.0	71.0
Total Key personnel	74.0	76.0	55.0	71.0	69.0	66.0	74.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**81.7%**	**95.7%**	**90.9%**	**95.9%**

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	2Q/01
Successful siren-tests	335	304	308	308	474	314	316
Total sirens-tests	336	306	308	308	474	316	316
Indicator value	**99.3%**	**99.5%**	**99.7%**	**99.8%**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**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
RETS/ODCM occurrences	0	0	0	0	0	0	0
Indicator value	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	17.70	29.10	15.10	134.00	1037.00	0	28.70
CCTV compensatory hours	0.5	0	29.1	12.9	0	10.5	0
IDS normalization factor	2.55	2.55	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.004**	**0.003**	**0.003**	**0.006**	**0.029**	**0.028**	**0.028**

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

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

Millstone 3

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	866.1	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

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	1.0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	866.1	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	19.30	36.55	16.13	20.64	28.80	5.90	27.76	11.52
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
Train 2								
Planned unavailable hours	20.72	25.03	28.49	16.88	44.30	16.08	16.33	17.53
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
Indicator value	**0.7%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.0%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	11.44	22.40	24.60	23.09	34.40	9.24	24.80	19.21
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	1121.14	2183.00	2208.00
Train 2								
Planned unavailable hours	13.65	22.52	15.33	44.47	19.59	13.98	15.35	45.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1121.14	2183.00	2208.00
Train 3								
Planned unavailable hours	12.84	20.90	15.34	22.92	19.57	17.45	39.91	38.54
Unplanned unavailable hours	0	0	0	0	0	0	22.10	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	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00	2208.00
Train 4								
Planned unavailable hours	21.89	9.51	11.73	15.41	27.12	4.39	42.13	22.87
Unplanned unavailable hours	0	0	1.72	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	1182.70	2183.00	2208.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**

Licensee Comments:

2Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. An engineering review performed by Westinghouse determined the "A" Charging Pump remained available. The 371.93 Fault Exposure Hours reported for the 1st quarter 2001 (March), the balance (1756.95 Fault Exposure Hours) reported for the 2nd quarter 2001 have been removed, and the Unplanned Unavailable Hours were revised for June. The removal of these Fault Exposure Hours and the revision of the Unplanned Unavailable in the 2nd quarter 2001 results in the indicator remaining in the GREEN performance band.

1Q/01: Following the 2001 refueling outage a support component for the "A" Charging Pump was not adequately filled and vented. An engineering review performed by Westinghouse determined the "A" Charging Pump remained available. The 371.93 Fault Exposure Hours reported for March have been removed. The removal of these Fault Exposure Hours in the 1st quarter 2001 results in the indicator remaining in the GREEN performance band.

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
Train 1								
Planned unavailable hours	9.88	9.92	2.97	13.20	3.78	1.90	2.08	13.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	1112.07	2183.00	2208.00
Train 2								
Planned unavailable hours	3.95	11.45	9.69	6.52	1.98	6.10	3.85	13.74
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	1112.07	2183.00	2208.00
Train 3								

Planned unavailable hours	13.47	5.96	9.47	23.00	3.75	34.79	20.27	14.75
Unplanned unavailable hours	26.03	10.28	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	1112.07	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	23.60	9.70	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50	0	0
Train 2								
Planned unavailable hours	13.54	17.60	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	0	0	1043.50	0	0

Train 3								
Planned unavailable hours	10.30	9.08	13.33	17.19	5.83	1.20	30.00	10.90
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	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00	2208.00
Train 4								
Planned unavailable hours	17.40	3.70	7.47	31.62	6.02	8.14	6.84	19.03
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	1182.70	2183.00	2208.00
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**

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	**2**	**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	0.000335	0.000348	0.000362	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**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	0.000540	0.000543	0.000578	0.000541	0.000439	N/A	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262
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	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.320	0.160	0.080	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185
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	**3.2**	**1.6**	**0.8**	**0.8**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**

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	0.098	0.146	0.124	0.119	0.069	0.106	0.173	0.161	0.146	0.285	0.268	0.157
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**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	12.0	27.0	14.0	0	11.0	0	41.0	18.0
Total opportunities	14.0	28.0	14.0	0	12.0	0	45.0	19.0
Indicator value	**90.0%**	**90.0%**	**90.5%**	**90.5%**	**90.0%**	**90.0%**	**90.2%**	**93.2%**

Licensee Comments: none

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	74.0	76.0	55.0	58.0	66.0	60.0	71.0	68.0
Total Key personnel	74.0	76.0	55.0	71.0	69.0	66.0	74.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**81.7%**	**95.7%**	**90.9%**	**95.9%**	**93.2%**

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	3Q/01
Successful siren-tests	335	304	308	308	474	314	316	463
Total sirens-tests	336	306	308	308	474	316	316	477
Indicator value	**99.3%**	**99.5%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**

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	3Q/01
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

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	17.70	29.10	15.10	134.00	1037.00	0	28.70	1.50
CCTV compensatory hours	0.5	0	29.1	12.9	0	10.5	0	0
IDS normalization factor	2.55	2.55	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.004**	**0.003**	**0.003**	**0.006**	**0.029**	**0.028**	**0.028**	**0.025**

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

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

Last Modified: March 26, 2002

Millstone 3

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	866.1	2183.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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

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	1.0	1.0
Critical hours	2184.0	2183.0	2208.0	2209.0	866.1	2183.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.9**

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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	36.55	16.13	20.64	28.80	5.90	27.76	11.52	10.79
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
Train 2								
Planned unavailable hours	25.03	28.49	16.88	44.30	16.08	16.33	17.53	16.41
Unplanned unavailable hours	0	0	0	0	0	0	0	29.46
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
Indicator value	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**

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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	22.40	24.60	23.09	34.40	9.24	24.80	19.21	16.95
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	1121.14	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	22.52	15.33	44.47	19.59	13.98	15.35	45.45	16.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	1121.14	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	20.90	15.34	22.92	19.57	17.45	39.91	38.54	19.27
Unplanned unavailable hours	0	0	0	0	0	22.10	0	69.45
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	1182.70	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	9.51	11.73	15.41	27.12	4.39	42.13	22.87	12.95
Unplanned unavailable hours	0	1.72	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	1182.70	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**

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
Train 1								
Planned unavailable hours	9.92	2.97	13.20	3.78	1.90	2.08	13.48	7.87
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	1112.07	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	11.45	9.69	6.52	1.98	6.10	3.85	13.74	10.84
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	1112.07	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	5.96	9.47	23.00	3.75	34.79	20.27	14.75	4.56
Unplanned unavailable hours	10.28	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	1112.07	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	9.70	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	0	0	0	1043.50	0	0	0
Train 2								
Planned unavailable hours	17.60	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	0	0	0	1043.50	0	0	0
Train 3								
Planned unavailable hours	9.08	13.33	17.19	5.83	1.20	30.00	10.90	9.63
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	1182.70	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	3.70	7.47	31.62	6.02	8.14	6.84	19.03	19.01
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	1182.70	2183.00	2208.00	2209.00
Indicator value	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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

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	0.000424	0.000442	0.000486	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538	0.000540	0.000543	0.000578
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**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000541	0.000439	N/A	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303
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	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.075	0.084	0.127	0.203	0.099	0.107	0.131	0.134	0.185	0.098	0.146	0.124
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**	**0.8**	**1.3**	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**	**1.0**	**1.5**	**1.2**

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	0.119	0.069	0.106	0.173	0.161	0.146	0.285	0.268	0.157	0.208	0.325	0.218
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**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**

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	27.0	14.0	0	11.0	0	41.0	18.0	31.0
Total opportunities	28.0	14.0	0	12.0	0	45.0	19.0	36.0
Indicator value	**90.0%**	**90.5%**	**90.5%**	**90.0%**	**90.0%**	**90.2%**	**93.2%**	**92.2%**

Licensee Comments: none

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	76.0	55.0	58.0	66.0	60.0	71.0	68.0	92.0
Total Key personnel	76.0	55.0	71.0	69.0	66.0	74.0	73.0	95.0
Indicator value	**100.0%**	**100.0%**	**81.7%**	**95.7%**	**90.9%**	**95.9%**	**93.2%**	**96.8%**

Licensee Comments: none

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	304	308	308	474	314	316	463	313
Total sirens-tests	306	308	308	474	316	316	477	318
Indicator value	**99.5%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.5%**

Licensee Comments: none

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

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	29.10	15.10	134.00	1037.00	0	28.70	1.50	0
CCTV compensatory hours	0	29.1	12.9	0	10.5	0	0	0
IDS normalization factor	2.55	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.003**	**0.003**	**0.006**	**0.029**	**0.028**	**0.028**	**0.025**	**0.001**

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

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

Last Modified: March 15, 2002

Millstone 3

1Q/2002 Performance Indicators

Licensee's General Comments: none

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	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	866.1	2183.0	2208.0	2209.0	2160.0
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/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	1.0	1.0	0
Critical hours	2183.0	2208.0	2209.0	866.1	2183.0	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.9**	**1.6**

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/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	16.13	20.64	28.80	5.90	27.76	11.52	10.79	8.62
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
Train 2								
Planned unavailable hours	28.49	16.88	44.30	16.08	16.33	17.53	16.41	12.68
Unplanned unavailable hours	0	0	0	0	0	0	29.46	11.03
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
Indicator value	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**

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
Train 1								
Planned unavailable hours	24.60	23.09	34.40	9.24	24.80	19.21	16.95	18.01
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1121.14	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	15.33	44.47	19.59	13.98	15.35	45.45	16.98	15.11
Unplanned unavailable hours	0	0	0	0	0	0	0	21.85
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	1121.14	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	15.34	22.92	19.57	17.45	39.91	38.54	19.27	7.30
Unplanned unavailable hours	0	0	0	0	22.10	0	69.45	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	1182.70	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	11.73	15.41	27.12	4.39	42.13	22.87	12.95	13.05
Unplanned unavailable hours	1.72	0	0	0	0	0	0	23.87
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1182.70	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**

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
Train 1								
Planned unavailable hours	2.97	13.20	3.78	1.90	2.08	13.48	7.87	5.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1112.07	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	9.69	6.52	1.98	6.10	3.85	13.74	10.84	2.87
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	1112.07	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	9.47	23.00	3.75	34.79	20.27	14.75	4.56	12.00
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	2183.00	2208.00	2209.00	1112.07	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	1043.50	0	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	1043.50	0	0	0	0
Train 3								
Planned unavailable hours	13.33	17.19	5.83	1.20	30.00	10.90	9.63	14.28
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	1182.70	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	7.47	31.62	6.02	8.14	6.84	19.03	19.01	5.52
Unplanned unavailable hours	0	0	0	0	0	0	0	21.85
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	1182.70	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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	0.000477	0.000488	0.000505	0.000508	0.000517	0.000538	0.000540	0.000543	0.000578	0.000541	0.000439	N/A
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**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**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	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

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	0.203	0.099	0.107	0.131	0.134	0.185	0.098	0.146	0.124	0.119	0.069	0.106
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	**2.0**	**1.0**	**1.1**	**1.3**	**1.3**	**1.9**	**1.0**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**

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	0.173	0.161	0.146	0.285	0.268	0.157	0.208	0.325	0.218	0.265	0.264	0.198
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**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**

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	14.0	0	11.0	0	41.0	18.0	31.0	0
Total opportunities	14.0	0	12.0	0	45.0	19.0	36.0	0
Indicator value	**90.5%**	**90.5%**	**90.0%**	**90.0%**	**90.2%**	**93.2%**	**92.2%**	**91.3%**

Licensee Comments: none

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	55.0	58.0	66.0	60.0	71.0	68.0	92.0	83.0
Total Key personnel	55.0	71.0	69.0	66.0	74.0	73.0	95.0	85.0
Indicator value	**100.0%**	**81.7%**	**95.7%**	**90.9%**	**95.9%**	**93.2%**	**96.8%**	**97.6%**

Licensee Comments: none

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	308	308	474	314	316	463	313	316
Total sirens-tests	308	308	474	316	316	477	318	318
Indicator value	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.5%**	**98.5%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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	15.10	134.00	1037.00	0	28.70	1.50	0	4.80
CCTV compensatory hours	29.1	12.9	0	10.5	0	0	0	0.1
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.003**	**0.006**	**0.029**	**0.028**	**0.028**	**0.025**	**0.001**	**0.001**

Licensee Comments: none

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

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

Millstone 3

2Q/2002 Performance Indicators

Licensee's General Comments: none

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	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	866.1	2183.0	2208.0	2209.0	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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

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	1.0	1.0	0	1.0
Critical hours	2208.0	2209.0	866.1	2183.0	2208.0	2209.0	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**1.9**	**1.6**	**2.4**

Licensee Comments: none

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	20.64	28.80	5.90	26.64	10.80	10.79	8.62	13.78
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
Train 2								
Planned unavailable hours	16.88	44.30	16.08	16.33	18.58	15.58	12.68	13.83
Unplanned unavailable hours	0	0	0	0	0	30.06	11.03	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
Indicator value	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments:

4Q/01: Minor corrections were made to system unavailable hours due to data collection errors. This change does not result in crossing the GREEN/WHITE threshold.

3Q/01: Minor corrections were made to system unavailable hours due to data collection errors. This change does not result in crossing the GREEN/WHITE threshold.

2Q/01: Minor corrections were made to system unavailable hours due to data collection errors. This change does not result in crossing the GREEN/WHITE threshold.

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
Train 1								
Planned unavailable hours	23.09	34.40	9.24	24.80	19.21	16.95	18.01	29.99
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	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	44.47	19.59	13.98	15.35	45.45	16.98	15.11	23.97
Unplanned unavailable hours	0	0	0	0	0	0	21.85	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	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	22.92	19.57	17.45	39.91	38.54	19.27	7.30	8.45
Unplanned unavailable hours	0	0	0	22.10	0	69.45	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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00

Train 4								
Planned unavailable hours	15.41	27.12	4.39	42.13	22.87	12.95	13.05	8.97
Unplanned unavailable hours	0	0	0	0	0	0	23.87	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**

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/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	13.20	3.78	1.90	2.08	13.48	7.87	5.98	13.11
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	6.52	1.98	6.10	3.85	13.74	10.84	2.87	2.44

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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	23.00	3.75	34.79	20.27	14.75	4.56	12.00	10.93
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	1043.50	0	0	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	1043.50	0	0	0	0	0
Train 3								
Planned unavailable hours	17.19	5.83	1.20	30.00	10.90	9.63	14.28	5.63
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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	31.62	6.02	8.14	6.84	19.03	19.01	5.52	27.95
Unplanned unavailable hours	0	0	0	0	0	0	21.85	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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**

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

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	0.000508	0.000517	0.000538	0.000540	0.000543	0.000578	0.000541	0.000441	N/A	0.000209	0.000279	0.000231
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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371
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**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

3/01: Minor corrections were made to system unavailable hours due to data collection errors. This change does not result in crossing the GREEN/WHITE threshold.

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	0.131	0.134	0.185	0.098	0.146	0.124	0.119	0.069	0.106	0.173	0.161	0.146
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**	**1.3**	**1.9**	**1.0**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**

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	0.285	0.268	0.157	0.208	0.325	0.218	0.265	0.264	0.198	0.147	0.220	0.246
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	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**

Licensee Comments: none

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	0	11.0	0	41.0	18.0	31.0	0	30.0
Total opportunities	0	12.0	0	45.0	19.0	36.0	0	32.0
Indicator value	**90.5%**	**90.0%**	**90.0%**	**90.2%**	**93.2%**	**92.2%**	**91.3%**	**91.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	58.0	66.0	60.0	71.0	68.0	92.0	83.0	79.0
Total Key personnel	71.0	69.0	66.0	74.0	73.0	95.0	85.0	84.0
Indicator value	**81.7%**	**95.7%**	**90.9%**	**95.9%**	**93.2%**	**96.8%**	**97.6%**	**94.0%**

Licensee Comments: none

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	308	474	314	316	463	313	316	314
Total sirens-tests	308	474	316	316	477	318	318	318
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.5%**	**98.5%**	**98.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

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	134.00	1037.00	0	28.70	1.50	0	4.80	0
CCTV compensatory hours	12.9	0	10.5	0	0	0	0.1	5.2
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.006**	**0.029**	**0.028**	**0.028**	**0.025**	**0.001**	**0.001**	**0**

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

Millstone 3

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	866.1	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

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	1.0	1.0	0	1.0	0
Critical hours	2209.0	866.1	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9
Indicator value	**0**	**0**	**0**	**0.9**	**1.9**	**1.6**	**2.4**	**1.7**

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	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	28.80	5.90	26.64	10.80	10.79	8.62	13.78	13.95
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	1758.85
Train 2								
Planned unavailable hours	44.30	16.08	16.33	18.58	15.58	12.68	13.83	16.48
Unplanned unavailable hours	0	0	0	0	30.06	11.03	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	1937.15
Indicator value	**1.1%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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
Train 1								
Planned unavailable hours	34.40	9.24	24.80	19.21	16.95	18.01	29.99	3.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0.03
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	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73
Train 2								
Planned unavailable hours	19.59	13.98	15.35	45.45	16.98	15.11	23.97	21.95
Unplanned unavailable hours	0	0	0	0	0	21.85	0	7.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73
Train 3								
Planned unavailable hours	19.57	17.45	39.91	38.54	19.27	7.30	8.45	10.60
Unplanned unavailable hours	0	0	22.10	0	69.45	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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73
Train 4								
Planned unavailable hours	27.12	4.39	42.13	22.87	12.95	13.05	8.97	11.87
Unplanned unavailable hours	0	0	0	0	0	23.87	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73
Indicator value	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**

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
Train 1								
Planned unavailable hours	3.78	1.90	2.08	13.48	7.87	5.98	13.11	3.62
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00
Train 2								
Planned unavailable hours	1.98	6.10	3.85	13.74	10.84	2.87	2.44	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	2209.00	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00
Train 3								
Planned unavailable hours	3.75	34.79	20.27	14.75	4.56	12.00	10.93	13.87
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1043.50	0	0	0	0	0	473.71
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1043.50	0	0	0	0	0	473.71
Train 3								
Planned unavailable hours	5.83	1.20	30.00	10.90	9.63	14.28	5.63	12.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1660.11
Train 4								
Planned unavailable hours	6.02	8.14	6.84	19.03	19.01	5.52	27.95	20.93
Unplanned unavailable hours	0	0	0	0	0	21.85	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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1660.11
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**

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

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	0.000540	0.000543	0.000578	0.000541	0.000441	N/A	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262
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	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324
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**	**0.1**	**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	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.098	0.146	0.124	0.119	0.069	0.106	0.173	0.161	0.146	0.285	0.268	0.157
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**	**1.5**	**1.2**	**1.2**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**

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	0.208	0.325	0.218	0.265	0.264	0.198	0.147	0.220	0.246	0.170	0.184	0.153
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**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**

Licensee Comments: none

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	11.0	0	41.0	18.0	31.0	0	30.0	36.0
Total opportunities	12.0	0	45.0	19.0	36.0	0	32.0	37.0
Indicator value	**90.0%**	**90.0%**	**90.2%**	**93.2%**	**92.2%**	**91.3%**	**91.0%**	**92.3%**

Licensee Comments: none

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	66.0	60.0	71.0	68.0	92.0	83.0	79.0	93.0
Total Key personnel	69.0	66.0	74.0	73.0	95.0	85.0	84.0	98.0
Indicator value	**95.7%**	**90.9%**	**95.9%**	**93.2%**	**96.8%**	**97.6%**	**94.0%**	**94.9%**

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	474	314	316	463	313	316	314	470
Total sirens-tests	474	316	316	477	318	318	318	477
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.0%**	**98.5%**	**98.5%**	**98.3%**	**98.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

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	1037.00	0	28.70	1.50	0	4.80	0	0
CCTV compensatory hours	0	10.5	0	0	0	0.1	5.2	21.4
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.029**	**0.028**	**0.028**	**0.025**	**0.001**	**0.001**	**0**	**0.001**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Millstone 3

4Q/2002 Performance Indicators

Licensee's General Comments: Inadvertently failed to input the Tech Spec Limit.

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	0	0	0	0	0	0	1.0
Critical hours	866.1	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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

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	1.0	1.0	0	1.0	0	1.0
Critical hours	866.1	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7
Indicator value	**0**	**0**	**0.9**	**1.9**	**1.6**	**2.4**	**1.7**	**1.8**

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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	5.90	26.64	10.80	10.79	8.62	13.78	13.95	18.43
Unplanned unavailable hours	0	0	0	0	0	0	0	12.20
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	1758.85	2209.00
Train 2								
Planned unavailable hours	16.08	16.33	18.58	15.58	12.68	13.83	16.48	20.13
Unplanned unavailable hours	0	0	0	30.06	11.03	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	1937.15	2209.00
Indicator value	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	9.24	24.80	19.21	16.95	18.01	29.99	3.03	26.02
Unplanned unavailable hours	0	0	0	0	0	0	0.03	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	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17
Train 2								
Planned unavailable hours	13.98	15.35	45.45	16.98	15.11	23.97	21.95	16.77
Unplanned unavailable hours	0	0	0	0	21.85	0	7.30	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1121.14	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17
Train 3								
Planned unavailable hours	17.45	39.91	38.54	19.27	7.30	8.45	10.60	23.31
Unplanned unavailable hours	0	22.10	0	69.45	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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17
Train 4								
Planned unavailable hours	4.39	42.13	22.87	12.95	13.05	8.97	11.87	3.97
Unplanned unavailable hours	0	0	0	0	23.87	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

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
Train 1								
Planned unavailable hours	1.90	2.08	13.48	7.87	5.98	13.11	3.62	18.07
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00	2173.17
Train 2								
Planned unavailable hours	6.10	3.85	13.74	10.84	2.87	2.44	2.20	11.53
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	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00	2173.17
Train 3								
Planned unavailable hours	34.79	20.27	14.75	4.56	12.00	10.93	13.87	3.54
Unplanned unavailable hours	0	0	0	0	0	0	0	1.85
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1112.07	2183.00	2208.00	2209.00	2160.00	2183.00	1636.00	2173.17
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1043.50	0	0	0	0	0	473.71	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1043.50	0	0	0	0	0	473.71	0
Train 3								
Planned unavailable hours	1.20	30.00	10.90	9.63	14.28	5.63	12.75	7.02
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	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1660.11	2181.17
Train 4								
Planned unavailable hours	8.14	6.84	19.03	19.01	5.52	27.95	20.93	23.29
Unplanned unavailable hours	0	0	0	0	21.85	0	0	37.17
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1182.70	2183.00	2208.00	2209.00	2160.00	2183.00	1660.11	2181.17
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

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

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	0.000541	0.000441	N/A	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303
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	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**
Maximum leakage	0.119	0.069	0.106	0.173	0.161	0.146	0.285	0.268	0.157	0.208	0.325	0.218
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**	**0.7**	**1.1**	**1.7**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**

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	0.265	0.264	0.198	0.147	0.220	0.246	0.170	0.184	0.153	0.193	0.197	0.184
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	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**

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	0	41.0	18.0	31.0	0	30.0	36.0	45.0
Total opportunities	0	45.0	19.0	36.0	0	32.0	37.0	47.0
Indicator value	**90.0%**	**90.2%**	**93.2%**	**92.2%**	**91.3%**	**91.0%**	**92.3%**	**93.1%**

Licensee Comments: none

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	60.0	71.0	68.0	92.0	83.0	79.0	93.0	100.0
Total Key personnel	66.0	74.0	73.0	95.0	85.0	84.0	98.0	101.0
Indicator value	**90.9%**	**95.9%**	**93.2%**	**96.8%**	**97.6%**	**94.0%**	**94.9%**	**99.0%**

Licensee Comments: none

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	314	316	463	313	316	314	470	314
Total sirens-tests	316	316	477	318	318	318	477	318
Indicator value	**99.9%**	**99.9%**	**99.0%**	**98.5%**	**98.5%**	**98.3%**	**98.7%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	0	28.70	1.50	0	4.80	0	0	0
CCTV compensatory hours	10.5	0	0	0	0.1	5.2	21.4	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.028**	**0.028**	**0.025**	**0.001**	**0.001**	**0**	**0.001**	**0.001**

Licensee Comments: none

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

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

Millstone 3

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**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	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

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	1.0	1.0	0	1.0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0
Indicator value	**0**	**0.9**	**1.9**	**1.6**	**2.4**	**1.7**	**1.8**	**1.8**

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/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	26.64	10.80	10.79	8.62	13.78	13.95	18.43	19.08
Unplanned unavailable hours	0	0	0	0	0	0	12.20	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	1758.85	2209.00	2160.00
Train 2								
Planned unavailable hours	16.33	18.58	15.58	12.68	13.83	16.48	20.13	27.95
Unplanned unavailable hours	0	0	30.06	11.03	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	1937.15	2209.00	2160.00
Indicator value	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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
Train 1								
Planned unavailable hours	24.80	19.21	16.95	18.01	29.99	3.03	26.02	11.88
Unplanned unavailable hours	0	0	0	0	0	0.03	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	1651.73	2181.17	2160.00
Train 2								
Planned unavailable hours	15.35	45.45	16.98	15.11	23.97	21.95	16.77	12.62
Unplanned unavailable hours	0	0	0	21.85	0	7.30	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	1651.73	2181.17	2160.00
Train 3								
Planned unavailable hours	39.91	38.54	19.27	7.30	8.45	10.60	23.31	16.05
Unplanned unavailable hours	22.10	0	69.45	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	1651.73	2181.17	2160.00
Train 4								
Planned unavailable hours	42.13	22.87	12.95	13.05	8.97	11.87	3.97	18.13
Unplanned unavailable hours	0	0	0	23.87	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17	2160.00
Indicator value	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

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**
Train 1								
Planned unavailable hours	2.08	13.48	7.87	5.98	13.11	3.62	18.07	2.18
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	1636.00	2173.17	2160.00
Train 2								
Planned unavailable hours	3.85	13.74	10.84	2.87	2.44	2.20	11.53	10.78
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	1636.00	2173.17	2160.00
Train 3								

Planned unavailable hours	20.27	14.75	4.56	12.00	10.93	13.87	3.54	10.90
Unplanned unavailable hours	0	0	0	0	0	0	1.85	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	1636.00	2173.17	2160.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	473.71	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	473.71	0	0
Train 3								
Planned unavailable hours	30.00	10.90	9.63	14.28	5.63	12.75	7.02	60.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1660.11	2181.17	2160.00
Train 4								
Planned unavailable hours	6.84	19.03	19.01	5.52	27.95	20.93	23.29	14.34
Unplanned unavailable hours	0	0	0	21.85	0	0	37.17	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	1660.11	2181.17	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.4%**

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	0.000209	0.000279	0.000231	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

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	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.173	0.161	0.146	0.285	0.268	0.157	0.208	0.325	0.218	0.265	0.264	0.198
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**	**1.6**	**1.5**	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**

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	0.147	0.220	0.246	0.170	0.184	0.153	0.193	0.197	0.184	0.326	0.179	0.214
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	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**

Licensee Comments: none

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	41.0	18.0	31.0	0	30.0	36.0	45.0	1.0
Total opportunities	45.0	19.0	36.0	0	32.0	37.0	47.0	2.0
Indicator value	**90.2%**	**93.2%**	**92.2%**	**91.3%**	**91.0%**	**92.3%**	**93.1%**	**92.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	71.0	68.0	92.0	83.0	79.0	93.0	100.0	102.0
Total Key personnel	74.0	73.0	95.0	85.0	84.0	98.0	101.0	103.0
Indicator value	**95.9%**	**93.2%**	**96.8%**	**97.6%**	**94.0%**	**94.9%**	**99.0%**	**99.0%**

Licensee Comments: none

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	316	463	313	316	314	470	314	315
Total sirens-tests	316	477	318	318	318	477	318	318
Indicator value	**99.9%**	**99.0%**	**98.5%**	**98.5%**	**98.3%**	**98.7%**	**98.8%**	**98.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

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	28.70	1.50	0	4.80	0	0	0	22.20
CCTV compensatory hours	0	0	0	0.1	5.2	21.4	0	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.028**	**0.025**	**0.001**	**0.001**	**0**	**0.001**	**0.001**	**0.001**

Licensee Comments: none

Personnel Screening Program

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Millstone 3

2Q/2003 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	0	1.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0
Indicator value	**0.9**	**1.9**	**1.6**	**2.4**	**1.7**	**1.8**	**1.8**	**0.9**

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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	10.80	10.79	8.62	13.78	13.95	18.43	19.08	1.78
Unplanned unavailable hours	0	0	0	0	0	12.20	0	23.01
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	1758.85	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	18.58	15.58	12.68	13.83	16.48	20.13	27.95	0
Unplanned unavailable hours	0	30.06	11.03	0	0	0	0	69.27
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	1937.15	2209.00	2160.00	2183.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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
Train 1								
Planned unavailable hours	19.21	16.95	18.01	29.99	3.03	26.02	11.88	15.62
Unplanned unavailable hours	0	0	0	0	0.03	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	1651.73	2181.17	2160.00	2183.00
Train 2								
Planned unavailable hours	45.45	16.98	15.11	23.97	21.95	16.77	12.62	14.50
Unplanned unavailable hours	0	0	21.85	0	7.30	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	1651.73	2181.17	2160.00	2183.00
Train 3								
Planned unavailable hours	38.54	19.27	7.30	8.45	10.60	23.31	16.05	28.87
Unplanned unavailable hours	0	69.45	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	1651.73	2181.17	2160.00	2183.00
Train 4								
Planned unavailable hours	22.87	12.95	13.05	8.97	11.87	3.97	18.13	2.55
Unplanned unavailable hours	0	0	23.87	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2208.00	2209.00	2160.00	2183.00	1651.73	2181.17	2160.00	2183.00
Indicator value	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

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/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	13.48	7.87	5.98	13.11	3.62	22.10	2.18	14.73
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	1636.00	2173.17	2160.00	2183.00
Train 2								
Planned unavailable hours	13.74	10.84	2.87	2.44	2.20	11.53	10.78	16.16
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	1636.00	2173.17	2160.00	2183.00
Train 3								

Planned unavailable hours	14.75	4.56	12.00	10.93	13.87	4.54	10.90	25.03
Unplanned unavailable hours	0	0	0	0	0	1.85	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	1636.00	2173.17	2160.00	2183.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

4Q/02: Planned unavailability hours were revised to correct a data collection error. No threshold was crossed.

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**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	473.71	0	0	0
Train 2								

Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	473.71	0	0	0
Train 3								
Planned unavailable hours	10.90	9.63	14.28	5.63	12.75	7.02	60.30	22.65
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	1660.11	2181.17	2160.00	2183.00
Train 4								
Planned unavailable hours	19.03	19.01	5.52	27.95	20.93	23.29	14.34	13.30
Unplanned unavailable hours	0	0	21.85	0	0	37.17	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	1660.11	2181.17	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.4%**	**0.5%**

Licensee Comments: none

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

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	0.000250	0.000250	0.000262	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371
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**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**
Maximum leakage	0.285	0.268	0.157	0.208	0.325	0.218	0.265	0.264	0.198	0.147	0.220	0.246
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	**2.9**	**2.7**	**1.6**	**2.1**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**

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	0.170	0.184	0.153	0.193	0.197	0.184	0.326	0.179	0.214	0.252	0.180	0.160
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**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**

Licensee Comments: none

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	18.0	31.0	0	30.0	36.0	45.0	1.0	66.0
Total opportunities	19.0	36.0	0	32.0	37.0	47.0	2.0	70.0
Indicator value	**93.2%**	**92.2%**	**91.3%**	**91.0%**	**92.3%**	**93.1%**	**92.7%**	**93.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	68.0	92.0	83.0	79.0	93.0	100.0	102.0	123.0
Total Key personnel	73.0	95.0	85.0	84.0	98.0	101.0	103.0	128.0
Indicator value	**93.2%**	**96.8%**	**97.6%**	**94.0%**	**94.9%**	**99.0%**	**99.0%**	**96.1%**

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	463	313	316	314	470	314	315	309
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**99.0%**	**98.5%**	**98.5%**	**98.3%**	**98.7%**	**98.8%**	**98.7%**	**98.4%**

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

Licensee Comments: none

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

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	1.50	0	4.80	0	0	0	22.20	0
CCTV compensatory hours	0	0	0.1	5.2	21.4	0	0	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.025**	**0.001**	**0.001**	**0**	**0.001**	**0.001**	**0.001**	**0.001**

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

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Millstone 3

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

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	1.0	0	1.0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0
Indicator value	**1.9**	**1.6**	**2.4**	**1.7**	**1.8**	**1.8**	**0.9**	**0.8**

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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	10.79	8.62	13.78	13.95	18.43	19.08	1.78	24.83
Unplanned unavailable hours	0	0	0	0	12.20	0	23.01	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	1758.85	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	15.58	12.68	13.83	16.48	20.13	27.95	0	18.95
Unplanned unavailable hours	30.06	11.03	0	0	0	0	69.27	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	1937.15	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**

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
Train 1								
Planned unavailable hours	16.95	18.01	29.99	3.03	26.02	11.88	15.62	10.02
Unplanned unavailable hours	0	0	0	0.03	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	1651.73	2181.17	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	16.98	15.11	23.97	21.95	16.77	12.62	14.50	16.43
Unplanned unavailable hours	0	21.85	0	7.30	0	0	0	8.07
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	1651.73	2181.17	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	19.27	7.30	8.45	10.60	23.31	16.05	28.87	6.27
Unplanned unavailable hours	69.45	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	1651.73	2181.17	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	12.95	13.05	8.97	11.87	3.97	18.13	2.55	20.52
Unplanned unavailable hours	0	23.87	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2209.00	2160.00	2183.00	1651.73	2181.17	2160.00	2183.00	2208.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**

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**
Train 1								
Planned unavailable hours	7.87	5.98	13.11	3.62	22.10	2.18	14.73	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	2209.00	2160.00	2183.00	1636.00	2173.17	2160.00	2183.00	744.00
Train 2								
Planned unavailable hours	10.84	2.87	2.44	2.20	11.53	10.78	16.16	2.19
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	1636.00	2173.17	2160.00	2183.00	2208.00
Train 3								

Planned unavailable hours	4.56	12.00	10.93	13.87	4.54	10.90	25.03	9.01
Unplanned unavailable hours	0	0	0	0	1.85	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	1636.00	2173.17	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	473.71	0	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	473.71	0	0	0	0
Train 3								
Planned unavailable hours	9.63	14.28	5.63	12.75	7.02	60.30	22.65	18.57
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	1660.11	2181.17	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	19.01	5.52	27.95	20.93	23.29	14.34	13.30	6.60
Unplanned unavailable hours	0	21.85	0	0	37.17	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	1660.11	2181.17	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.4%**	**0.5%**	**0.4%**

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	0.000282	0.000795	0.000303	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324
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**	**0.1**	**0**	**0**	**0**	**0**	**0**	**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	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.208	0.325	0.218	0.265	0.264	0.198	0.147	0.220	0.246	0.170	0.184	0.153
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**	**3.3**	**2.2**	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.193	0.197	0.184	0.326	0.179	0.214	0.252	0.180	0.160	0.240	0.171	0.182
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	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**

Licensee Comments: none

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	31.0	0	30.0	36.0	45.0	1.0	66.0	38.0
Total opportunities	36.0	0	32.0	37.0	47.0	2.0	70.0	44.0
Indicator value	**92.2%**	**91.3%**	**91.0%**	**92.3%**	**93.1%**	**92.7%**	**93.4%**	**92.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	92.0	83.0	79.0	93.0	100.0	101.0	122.0	127.0
Total Key personnel	95.0	85.0	84.0	98.0	101.0	102.0	128.0	133.0
Indicator value	**96.8%**	**97.6%**	**94.0%**	**94.9%**	**99.0%**	**99.0%**	**95.3%**	**95.5%**

Licensee Comments:

2Q/03: Revised data to correct a data collection error in counting the number of Key ERO personnel participating in E Plan Drills, Exercises or Events. The revision did not result in the indicator crossing the GREEN/WHITE threshold.

1Q/03: Revised data to correct a data collection error in counting the number of Key ERO personnel participating in E Plan Drills, Exercises or Events, and the total number of Key ERO personnel at the end of 8 quarters. The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

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	313	314	312	468	314	314	308	453
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**98.5%**	**98.4%**	**98.0%**	**98.3%**	**98.4%**	**98.4%**	**98.1%**	**97.1%**

Licensee Comments:

2Q/03: As the result of an NRC inspection, revised data to reflect a change in the methodology in counting siren failures. Any single siren test failure conducted on the same day now results in all tests on that siren being counted as failures. The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

1Q/03: As the result of an NRC inspection, revised data to reflect a change in the methodology in counting siren failures. Any single siren test failure conducted on the same day now results in all tests on that siren being counted as failures. The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

3Q/02: As the result of an NRC inspection, revised data to reflect a change in the methodology in counting siren failures. Any single siren test failure conducted on the same day now results in all tests on that siren being counted as failures. Also revised the data to reflect the correct monthly count; this did not change the quarterly totals The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

2Q/02: As the result of an NRC inspection, revised data to reflect a change in the methodology in counting siren failures. Any single siren test failure conducted on the same day now results in all tests on that siren being counted as failures. Also revised the data to reflect the correct monthly count; this did not change the quarterly totals The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

1Q/02: As the result of an NRC inspection, revised data to reflect a change in the methodology in counting siren

failures. Any single siren test failure conducted on the same day now results in all tests on that siren being counted as failures. Also revised the data to reflect the correct monthly count; this did not change the quarterly totals The revisions did not result in the indicator crossing the GREEN/WHITE threshold.

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

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	0	4.80	0	0	0	22.20	0	0
CCTV compensatory hours	0	0.1	5.2	21.4	0	0	0	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.001**	**0.001**	**0**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

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

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

Millstone 3

4Q/2003 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0	0
Critical hours	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

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	1.0	0	1.0	0	0	0	1.0
Critical hours	2160.0	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0
Indicator value	**1.6**	**2.4**	**1.7**	**1.8**	**1.8**	**0.9**	**0.8**	**0.8**

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	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	8.62	13.78	13.95	18.43	19.08	1.78	24.83	17.12
Unplanned unavailable hours	0	0	0	12.20	0	23.01	0	0.92
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	1758.85	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.68	13.83	16.48	20.13	27.95	0	18.95	24.20
Unplanned unavailable hours	11.03	0	0	0	0	69.27	0	4.68
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	1937.15	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**

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
Train 1								
Planned unavailable hours	18.01	29.99	3.03	26.02	11.88	15.62	10.02	11.82
Unplanned unavailable hours	0	0	0.03	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	15.11	23.97	21.95	16.77	12.62	14.50	16.43	15.18
Unplanned unavailable hours	21.85	0	7.30	0	0	0	8.07	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	7.30	8.45	10.60	23.31	16.05	28.87	6.27	28.68
Unplanned unavailable hours	0	0	0	0	0	0	0	16.90
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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	13.05	8.97	11.87	3.97	18.13	2.55	20.52	19.14
Unplanned unavailable hours	23.87	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2160.00	2183.00	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**

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**
Train 1								
Planned unavailable hours	5.98	13.11	3.62	22.10	2.18	14.73	7.40	14.05
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	1636.00	2173.17	2160.00	2183.00	744.00	2209.00
Train 2								
Planned unavailable hours	2.87	2.44	2.20	11.53	10.78	16.16	2.19	2.85
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	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00
Train 3								

Planned unavailable hours	12.00	10.93	13.87	4.54	10.90	25.03	9.01	12.88
Unplanned unavailable hours	0	0	0	1.85	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	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	473.71	0	0	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	473.71	0	0	0	0	0
Train 3								
Planned unavailable hours	14.28	5.63	12.75	7.02	60.30	22.65	18.57	7.93
Unplanned unavailable hours	0	0	0	0	0	0	0	14.67
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	5.52	27.95	20.93	23.29	14.34	13.30	6.60	6.10
Unplanned unavailable hours	21.85	0	0	37.17	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	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.4%**	**0.5%**	**0.4%**	**0.5%**

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	0.000307	0.000305	0.000334	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.265	0.264	0.198	0.147	0.220	0.246	0.170	0.184	0.153	0.193	0.197	0.184
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	**2.7**	**2.6**	**2.0**	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**

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	0.326	0.179	0.214	0.252	0.180	0.160	0.240	0.171	0.182	0.197	0.154	0.221
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	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	0	30.0	36.0	45.0	1.0	66.0	38.0	27.0
Total opportunities	0	32.0	37.0	47.0	2.0	70.0	44.0	29.0
Indicator value	**91.3%**	**91.0%**	**92.3%**	**93.1%**	**92.7%**	**93.4%**	**92.2%**	**93.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	83.0	79.0	93.0	100.0	101.0	122.0	127.0	126.0
Total Key personnel	85.0	84.0	98.0	101.0	102.0	128.0	133.0	133.0
Indicator value	**97.6%**	**94.0%**	**94.9%**	**99.0%**	**99.0%**	**95.3%**	**95.5%**	**94.7%**

Licensee Comments: none

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	314	312	468	314	314	308	453	314
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**98.4%**	**98.0%**	**98.3%**	**98.4%**	**98.4%**	**98.1%**	**97.1%**	**97.1%**

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

Licensee Comments: none

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	4.80	0	0	0	22.20	0	0	0
CCTV compensatory hours	0.1	5.2	21.4	0	0	0	0	1.1
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0.001**	**0**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

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

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

Millstone 3

1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	0	0	0	0	0
Critical hours	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

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	1.0	0	1.0	0	0	0	1.0	0
Critical hours	2183.0	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	**2.4**	**1.7**	**1.8**	**1.8**	**0.9**	**0.8**	**0.8**	**0.8**

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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	13.78	13.95	18.43	19.08	1.78	24.83	17.12	18.31
Unplanned unavailable hours	0	0	12.20	0	23.01	0	0.92	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	1758.85	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	13.83	16.48	20.13	27.95	0	18.95	24.20	30.70
Unplanned unavailable hours	0	0	0	0	69.27	0	4.68	55.25
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	1937.15	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.2%**

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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	29.99	3.03	26.02	11.88	15.62	10.02	11.82	19.70
Unplanned unavailable hours	0	0.03	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	23.97	21.95	16.77	12.62	14.50	16.43	15.18	21.52
Unplanned unavailable hours	0	7.30	0	0	0	8.07	0	53.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	8.45	10.60	23.31	16.05	28.87	6.27	28.68	9.68
Unplanned unavailable hours	0	0	0	0	0	0	16.90	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00
Train 4								
Planned unavailable hours	8.97	11.87	3.97	18.13	2.55	20.52	19.14	5.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.1%**

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
Train 1								
Planned unavailable hours	13.11	3.62	22.10	2.18	14.73	7.40	14.05	2.50
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	2183.00	1636.00	2173.17	2160.00	2183.00	744.00	2209.00	2184.00
Train 2								
Planned unavailable hours	2.44	2.20	11.53	10.78	16.16	2.19	2.85	2.29
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	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	10.93	13.87	4.54	10.90	25.03	9.01	12.88	20.10
Unplanned unavailable hours	0	0	1.85	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	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	473.71	0	0	0	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	473.71	0	0	0	0	0	0
Train 3								
Planned unavailable hours	5.63	12.75	7.02	60.30	22.65	18.57	7.93	10.64
Unplanned unavailable hours	0	0	0	0	0	0	14.67	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	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4								
Planned unavailable hours	27.95	20.93	23.29	14.34	13.30	6.60	6.10	10.05
Unplanned unavailable hours	0	0	37.17	0	0	0	0	53.70
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	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.4%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments: none

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	**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	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum activity	0.000322	0.000365	0.000371	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899
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**	**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	**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	0.147	0.220	0.246	0.170	0.184	0.153	0.193	0.197	0.184	0.326	0.179	0.214
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	**1.5**	**2.2**	**2.5**	**1.7**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**

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	0.252	0.180	0.160	0.240	0.171	0.182	0.197	0.154	0.221	0.234	0.209	0.339
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**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**

Licensee Comments: none

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	30.0	36.0	45.0	1.0	66.0	38.0	27.0	43.0
Total opportunities	32.0	37.0	47.0	2.0	70.0	44.0	29.0	45.0
Indicator value	**91.0%**	**92.3%**	**93.1%**	**92.7%**	**93.4%**	**92.2%**	**93.1%**	**93.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	79.0	93.0	100.0	101.0	122.0	127.0	126.0	130.0
Total Key personnel	84.0	98.0	101.0	102.0	128.0	133.0	133.0	133.0
Indicator value	**94.0%**	**94.9%**	**99.0%**	**99.0%**	**95.3%**	**95.5%**	**94.7%**	**97.7%**

Licensee Comments: none

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	312	468	314	314	308	453	314	314
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**98.0%**	**98.3%**	**98.4%**	**98.4%**	**98.1%**	**97.1%**	**97.1%**	**97.1%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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	0	0	0	22.20	0	0	0	0
CCTV compensatory hours	5.2	21.4	0	0	0	0	1.1	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	**0**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0**

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	**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/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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2004

Millstone 3

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	0	0	0	0	0	0
Critical hours	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

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	1.0	0	0	0	1.0	0	0
Critical hours	1637.9	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9
Indicator value	**1.7**	**1.8**	**1.8**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**

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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	13.95	18.43	19.08	1.78	24.83	17.12	18.31	11.13
Unplanned unavailable hours	0	12.20	0	23.01	0	0.92	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	1758.85	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2052.00
Train 2								
Planned unavailable hours	16.48	20.13	27.95	0	18.95	24.20	30.70	11.38
Unplanned unavailable hours	0	0	0	69.27	0	4.68	55.25	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	1937.15	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.2%**	**1.1%**

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
Train 1								
Planned unavailable hours	3.03	26.02	11.88	15.62	10.02	11.82	19.70	3.48
Unplanned unavailable hours	0.03	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35
Train 2								
Planned unavailable hours	21.95	16.77	12.62	14.50	16.43	15.18	21.52	18.81
Unplanned unavailable hours	7.30	0	0	0	8.07	0	53.50	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35
Train 3								
Planned unavailable hours	10.60	23.31	16.05	28.87	6.27	28.68	9.68	14.53
Unplanned unavailable hours	0	0	0	0	0	16.90	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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00	1483.35
Train 4								
Planned unavailable hours	11.87	3.97	18.13	2.55	20.52	19.14	5.55	19.13
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	1651.73	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00	1483.35
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**

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
Train 1								
Planned unavailable hours	3.62	22.10	2.18	14.73	7.40	14.05	2.50	0.71
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	1636.00	2173.17	2160.00	2183.00	744.00	2209.00	2184.00	1453.00
Train 2								
Planned unavailable hours	2.20	11.53	10.78	16.16	2.19	2.85	2.29	12.84
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	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00	1453.00
Train 3								
Planned unavailable hours	13.87	4.54	10.90	25.03	9.01	12.88	20.10	4.73
Unplanned unavailable hours	0	1.85	0	0	0	0	0	33.01
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1636.00	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00	1453.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	473.71	0	0	0	0	0	0	559.00
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	473.71	0	0	0	0	0	0	559.00
Train 3								
Planned unavailable hours	12.75	7.02	60.30	22.65	18.57	7.93	10.64	1.87
Unplanned unavailable hours	0	0	0	0	0	14.67	0	15.48
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35
Train 4								
Planned unavailable hours	20.93	23.29	14.34	13.30	6.60	6.10	10.05	3.50
Unplanned unavailable hours	0	37.17	0	0	0	0	53.70	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	1660.11	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35
Indicator value	**0.6%**	**0.6%**	**0.4%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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	0.000369	0.000387	0.000324	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160
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**	**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	**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	0.170	0.184	0.153	0.193	0.197	0.184	0.326	0.179	0.214	0.252	0.180	0.160
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**	**1.8**	**1.5**	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**
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	0.240	0.171	0.182	0.197	0.154	0.221	0.234	0.209	0.339	0.344	0.250	0.121
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	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**

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	36.0	45.0	1.0	66.0	38.0	27.0	43.0	11.0
Total opportunities	37.0	47.0	2.0	70.0	44.0	29.0	45.0	16.0
Indicator value	**92.3%**	**93.1%**	**92.7%**	**93.4%**	**92.2%**	**93.1%**	**93.5%**	**92.1%**

Licensee Comments: none

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	93.0	100.0	101.0	122.0	127.0	126.0	130.0	131.0
Total Key personnel	98.0	101.0	102.0	128.0	133.0	133.0	133.0	141.0
Indicator value	**94.9%**	**99.0%**	**99.0%**	**95.3%**	**95.5%**	**94.7%**	**97.7%**	**92.9%**

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	468	314	314	308	453	314	314	312
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**98.3%**	**98.4%**	**98.4%**	**98.1%**	**97.1%**	**97.1%**	**97.1%**	**97.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: September 8, 2004

Millstone 3

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	0	0	0	0	0	0	0
Critical hours	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

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	1.0	0	0	0	1.0	0	0	0
Critical hours	1964.7	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0
Indicator value	**1.8**	**1.8**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**

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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	18.43	19.08	1.78	24.83	17.12	18.31	11.13	12.30
Unplanned unavailable hours	12.20	0	23.01	0	0.92	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	2052.00	2208.00
Train 2								
Planned unavailable hours	20.13	27.95	0	18.95	24.20	30.70	11.38	32.47
Unplanned unavailable hours	0	0	69.27	0	4.68	55.25	0	14.12
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
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.2%**	**1.1%**	**1.2%**

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
Train 1								
Planned unavailable hours	26.02	11.88	15.62	10.02	11.82	19.70	3.48	14.81
Unplanned unavailable hours	0	0	0	0	0	0	0	42.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00
Train 2								
Planned unavailable hours	16.77	12.62	14.50	16.43	15.18	21.52	18.81	34.28
Unplanned unavailable hours	0	0	0	8.07	0	53.50	0	7.45
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00
Train 3								
Planned unavailable hours	23.31	16.05	28.87	6.27	28.68	9.68	14.53	32.16
Unplanned unavailable hours	0	0	0	0	16.90	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	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00	1483.35	2208.00
Train 4								
Planned unavailable hours	3.97	18.13	2.55	20.52	19.14	5.55	19.13	23.93
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	2181.17	2160.00	2183.00	2208.00	2209.00	1488.00	1483.35	2208.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**

Licensee Comments:

3Q/04: The Safety Injection System (SIH) experienced fault expossure hours (T/2) during the 2nd Quarter (June) and the 3rd Quarter (July and August) of 2004. A total of ~ 730 hours of fault expossure hours (T/2) was incurred due to a SIH support system (ventilation) condition.

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
Train 1								
Planned unavailable hours	22.10	2.18	14.73	7.40	14.05	2.50	0.71	3.32
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	2173.17	2160.00	2183.00	744.00	2209.00	2184.00	1453.00	2208.00
Train 2								
Planned unavailable hours	11.53	10.78	16.16	2.19	2.85	2.29	12.84	16.82
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	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00	1453.00	2208.00
Train 3								
Planned unavailable hours	4.54	10.90	25.03	9.01	12.88	20.10	4.73	4.02
Unplanned unavailable hours	1.85	0	0	0	0	0	33.01	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	2173.17	2160.00	2183.00	2208.00	2209.00	2184.00	1453.00	2208.00

Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	0	559.00	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	0	559.00	0
Train 3								
Planned unavailable hours	7.02	60.30	22.65	18.57	7.93	10.64	1.87	10.07
Unplanned unavailable hours	0	0	0	0	14.67	0	15.48	17.45
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00

Train 4								
Planned unavailable hours	23.29	14.34	13.30	6.60	6.10	10.05	3.50	41.55
Unplanned unavailable hours	37.17	0	0	0	0	53.70	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	2181.17	2160.00	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00
Indicator value	**0.6%**	**0.4%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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	**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	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000150	0.000192	0.000174	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247
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**	**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	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171
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**	**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	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	0.193	0.197	0.184	0.326	0.179	0.214	0.252	0.180	0.160	0.240	0.171	0.182
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	**1.9**	**2.0**	**1.8**	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**
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	0.197	0.154	0.221	0.234	0.209	0.339	0.344	0.250	0.121	0.168	0.121	0.117
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	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**

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	45.0	1.0	66.0	38.0	27.0	43.0	11.0	58.0
Total opportunities	47.0	2.0	70.0	44.0	29.0	45.0	16.0	63.0
Indicator value	**93.1%**	**92.7%**	**93.4%**	**92.2%**	**93.1%**	**93.5%**	**92.1%**	**91.5%**

Licensee Comments: none

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	100.0	101.0	122.0	127.0	126.0	130.0	131.0	138.0
Total Key personnel	101.0	102.0	128.0	133.0	133.0	133.0	141.0	144.0
Indicator value	**99.0%**	**99.0%**	**95.3%**	**95.5%**	**94.7%**	**97.7%**	**92.9%**	**95.8%**

Licensee Comments: none

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	314	314	308	453	314	314	312	462
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**98.4%**	**98.4%**	**98.1%**	**97.1%**	**97.1%**	**97.1%**	**97.3%**	**98.0%**

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

Licensee Comments:

3Q/04: An event on Unit 2 regarding a potential unintended exposure is currently being evaluated. The amount of exposure is not known at this time.

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

Millstone 3

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

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	1.0	0	0	0	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0
Indicator value	**1.8**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**

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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	23.56	3.20	28.30	28.16	21.15	12.65	13.83	23.36
Unplanned unavailable hours	0	23.01	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	2052.00	2208.00	2209.00
Train 2								
Planned unavailable hours	31.92	2.02	25.60	26.47	30.22	13.03	21.81	14.26
Unplanned unavailable hours	0	69.27	0	4.55	1.55	0	14.12	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
Indicator value	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments:

4Q/04: Unavailability hours were added to account for the inadvertent omission of cascaded support system unavailability (cooling water and electrical equipment testing). The systems affected are Unit 2 and 3 Emergency Diesel Generator (4th quarter 2001 thru 3rd quarter 2004), and Unit 3 High Pressure Safety Injection (3rd quarter 2001 thru 3rd quarter 2004). Unavailability hours were also added to correct data collection errors for Unit 2 High Pressure Safety Injection (July and October 2003). These revisions did not result in any of the affected indicators crossing a threshold.

2Q/02: There were 318.7 fault exposure hours due to ventilation problems.

4Q/01: Minor corrections were made to system unavailable hours due to data collection errors. This change does not result in crossing the GREEN/WHITE threshold.

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
Train 1								
Planned unavailable hours	16.38	17.04	13.49	16.29	22.54	3.18	12.38	14.80
Unplanned unavailable hours	0	0	0	12.97	0	0	44.52	5.20
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	1483.35	2208.00	2209.00
Train 2								
Planned unavailable hours	16.59	16.52	23.08	17.47	19.59	17.04	21.30	52.72
Unplanned unavailable hours	0	0	8.07	0	58.80	0	7.45	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	1483.35	2208.00	2209.00
Train 3								
Planned unavailable hours	20.05	30.29	7.92	32.23	12.52	14.24	29.73	11.19
Unplanned unavailable hours	0	0	0	16.90	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	1483.35	2208.00	2209.00
Train 4								
Planned unavailable hours	21.75	4.40	23.85	20.66	8.87	17.36	23.03	25.67
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	1483.35	2208.00	2209.00

Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.1%**

Licensee Comments:

4Q/04: Unavailability hours were added to account for the inadvertent omission of cascaded support system unavailability (cooling water and electrical equipment testing). The systems affected are Unit 2 and 3 Emergency Diesel Generator (4th quarter 2001 thru 3rd quarter 2004), and Unit 3 High Pressure Safety Injection (3rd quarter 2001 thru 3rd quarter 2004). Unavailability hours were also added to correct data collection errors for Unit 2 High Pressure Safety Injection (July and October 2003). These revisions did not result in any of the affected indicators crossing a threshold. Two events with the potential of adding fault exposure unavailable hours to Unit 3 High Pressure Safety Injection are currently under evaluation. The indicator will be appropriately revised upon the completion of the evaluation.

3Q/04: The Safety Injection System (SIH) experienced fault expossure hours (T/2) during the 2nd Quarter (June) and the 3rd Quarter (July and August) of 2004. A total of ~ 730 hours of fault expossure hours (T/2) was incurred due to a SIH support system (ventilation) condition.

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**
Train 1								
Planned unavailable hours	2.18	14.73	7.40	14.05	2.50	0.71	3.32	9.87
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	744.00	2209.00	2184.00	1453.00	2208.00	2209.00
Train 2								
Planned unavailable hours	10.78	16.16	2.19	2.85	2.29	12.84	16.82	17.50
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	2160.00	2183.00	2208.00	2209.00	2184.00	1453.00	2208.00	2209.00
Train 3								
Planned unavailable hours	10.90	25.03	9.01	12.88	20.10	4.73	4.02	14.66
Unplanned unavailable hours	0	0	0	0	0	33.01	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	1453.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**	**4Q/04**
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	559.00	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	559.00	0	0
Train 3								
Planned unavailable hours	60.30	22.65	18.57	7.93	10.64	1.87	10.07	16.35
Unplanned unavailable hours	0	0	0	14.67	0	15.48	17.45	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	1483.35	2208.00	2209.00
Train 4								
Planned unavailable hours	14.34	13.30	6.60	6.10	10.05	3.50	41.55	4.45
Unplanned unavailable hours	0	0	0	0	53.70	0	0	20.82
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	1483.35	2208.00	2209.00
Indicator value	**0.4%**	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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

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	0.000202	0.000193	0.000214	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290
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**	**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	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201
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**	**0**	**0.1**	**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	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	0.326	0.179	0.214	0.252	0.180	0.160	0.240	0.171	0.182	0.197	0.154	0.221
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	**3.3**	**1.8**	**2.1**	**2.5**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**
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	0.234	0.209	0.339	0.344	0.250	0.121	0.168	0.121	0.117	0.127	0.146	0.141
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	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	1.0	66.0	38.0	27.0	43.0	11.0	58.0	85.0
Total opportunities	2.0	70.0	44.0	29.0	45.0	16.0	63.0	93.0
Indicator value	**92.7%**	**93.4%**	**92.2%**	**93.1%**	**93.5%**	**92.1%**	**91.5%**	**90.9%**

Licensee Comments: none

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	101.0	122.0	127.0	126.0	130.0	131.0	138.0	141.0
Total Key personnel	102.0	128.0	133.0	133.0	133.0	141.0	144.0	143.0
Indicator value	**99.0%**	**95.3%**	**95.5%**	**94.7%**	**97.7%**	**92.9%**	**95.8%**	**98.6%**

Licensee Comments: none

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	314	308	453	314	314	312	462	316
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**98.4%**	**98.1%**	**97.1%**	**97.1%**	**97.1%**	**97.3%**	**98.0%**	**98.1%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Millstone 3

1Q/2005 Performance Indicators

Licensee's General Comments: none

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	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

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	1.0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**

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/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	3.20	28.30	28.16	21.15	12.65	13.83	23.36	17.71
Unplanned unavailable hours	23.01	0	0	0	0	0	0	22.49
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	2052.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.02	25.60	26.47	30.22	13.03	21.81	14.26	15.73
Unplanned unavailable hours	69.27	0	4.55	1.55	0	14.12	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	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

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
Train 1								
Planned unavailable hours	17.04	13.49	16.29	22.54	3.18	12.38	14.80	14.37
Unplanned unavailable hours	0	0	12.97	0	0	44.52	5.20	20.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	16.52	23.08	17.47	19.59	17.04	21.30	52.72	6.92
Unplanned unavailable hours	0	8.07	0	58.80	0	7.45	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	1483.35	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	30.29	7.92	32.23	12.52	14.24	29.73	11.19	27.73
Unplanned unavailable hours	0	0	16.90	0	0	0	0	9.02
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	4.40	23.85	20.66	8.87	17.36	23.03	25.67	8.30
Unplanned unavailable hours	0	0	0	0	0	0	0	2.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**

Licensee Comments: none

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
Train 1								
Planned unavailable hours	14.73	7.40	14.05	2.50	0.71	3.32	9.87	4.91
Unplanned unavailable hours	0	0	0	0	0	0	0	1.13
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	744.00	2209.00	2184.00	1453.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	16.16	2.19	2.85	2.29	12.84	16.82	17.50	4.78
Unplanned unavailable hours	0	0	0	0	0	0	0	1.13
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	1453.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	25.03	9.01	12.88	20.10	4.73	4.02	14.66	5.18
Unplanned unavailable hours	0	0	0	0	33.01	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	1453.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	559.00	0	0	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	559.00	0	0	0
Train 3								
Planned unavailable hours	22.65	18.57	7.93	10.64	1.87	10.07	16.35	42.85
Unplanned unavailable hours	0	0	14.67	0	15.48	17.45	0	11.63
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	1483.35	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	13.30	6.60	6.10	10.05	3.50	41.55	4.45	7.37
Unplanned unavailable hours	0	0	0	53.70	0	0	20.82	1.13
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	1483.35	2208.00	2209.00	8208.00
Indicator value	**0.5%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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

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	0.000217	0.000224	0.000259	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0.252	0.180	0.160	0.240	0.171	0.182	0.197	0.154	0.221	0.234	0.209	0.339
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**	**1.8**	**1.6**	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**
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	0.344	0.250	0.121	0.168	0.121	0.117	0.127	0.146	0.141	0.142	0.171	0.145
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	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**

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	66.0	38.0	27.0	43.0	11.0	58.0	85.0	30.0
Total opportunities	70.0	44.0	29.0	45.0	16.0	63.0	93.0	30.0
Indicator value	**93.4%**	**92.2%**	**93.1%**	**93.5%**	**92.1%**	**91.5%**	**90.9%**	**91.8%**

Licensee Comments: none

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	122.0	127.0	126.0	130.0	131.0	138.0	141.0	136.0
Total Key personnel	128.0	133.0	133.0	133.0	141.0	144.0	143.0	141.0
Indicator value	**95.3%**	**95.5%**	**94.7%**	**97.7%**	**92.9%**	**95.8%**	**98.6%**	**96.5%**

Licensee Comments: none

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	308	453	314	314	312	462	316	312
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**98.1%**	**97.1%**	**97.1%**	**97.1%**	**97.3%**	**98.0%**	**98.1%**	**98.0%**

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

Millstone 3

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9
Indicator value	**0.8**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	0	0	0	1.0	0	1.0
Critical hours	2208.0	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9
Indicator value	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**

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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	28.30	28.16	21.15	12.65	13.83	23.36	17.71	4.24
Unplanned unavailable hours	0	0	0	0	0	0	22.49	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	2052.00	2208.00	2209.00	2160.00	2007.12
Train 2								
Planned unavailable hours	25.60	26.47	30.22	13.03	21.81	14.26	15.73	1.63
Unplanned unavailable hours	0	4.55	1.55	0	14.12	0	0	76.13
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	2150.50
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**

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
Train 1								
Planned unavailable hours	13.49	16.29	22.54	3.18	12.38	14.80	14.37	12.10
Unplanned unavailable hours	0	12.97	0	0	44.52	5.20	20.22	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00	1976.90
Train 2								
Planned unavailable hours	23.08	17.47	19.59	17.04	21.30	52.72	6.92	6.40
Unplanned unavailable hours	8.07	0	58.80	0	7.45	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	1483.35	2208.00	2209.00	2160.00	1976.90
Train 3								
Planned unavailable hours	7.92	32.23	12.52	14.24	29.73	11.19	27.73	11.10
Unplanned unavailable hours	0	16.90	0	0	0	0	9.02	8.52
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	1483.35	2208.00	2209.00	2160.00	1996.62
Train 4								
Planned unavailable hours	23.85	20.66	8.87	17.36	23.03	25.67	8.30	9.97
Unplanned unavailable hours	0	0	0	0	0	0	2.83	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00	1996.62
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

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
Train 1								
Planned unavailable hours	7.40	14.05	2.50	0.71	3.32	9.87	4.91	19.87
Unplanned unavailable hours	0	0	0	0	0	0	1.13	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	744.00	2209.00	2184.00	1453.00	2208.00	2209.00	2160.00	1922.00
Train 2								
Planned unavailable hours	2.19	2.85	2.29	12.84	16.82	17.50	4.78	7.48
Unplanned unavailable hours	0	0	0	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00
Train 3								
Planned unavailable hours	9.01	12.88	20.10	4.73	4.02	14.66	5.18	9.02
Unplanned unavailable hours	0	0	0	33.01	0	0	0	1.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1453.00	2208.00	2209.00	2160.00	1922.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	559.00	0	0	0	206.08
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	559.00	0	0	0	206.08
Train 3								
Planned unavailable hours	18.57	7.93	10.64	1.87	10.07	16.35	42.85	0.87
Unplanned unavailable hours	0	14.67	0	15.48	17.45	0	11.63	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	1483.35	2208.00	2209.00	2160.00	1996.62
Train 4								
Planned unavailable hours	6.60	6.10	10.05	3.50	41.55	4.45	7.37	0.95
Unplanned unavailable hours	0	0	53.70	0	0	20.82	1.13	29.57
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	1483.35	2208.00	2209.00	8208.00	1996.62
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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

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	0.000267	0.000259	0.000247	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220
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**	**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	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	0.240	0.171	0.182	0.197	0.154	0.221	0.234	0.209	0.339	0.344	0.250	0.121
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	**2.4**	**1.7**	**1.8**	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**
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	0.168	0.121	0.117	0.127	0.146	0.141	0.142	0.171	0.145	0.132	0.131	0.130
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**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**

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	38.0	27.0	43.0	11.0	58.0	85.0	30.0	26.0
Total opportunities	44.0	29.0	45.0	16.0	63.0	93.0	30.0	27.0
Indicator value	**92.2%**	**93.1%**	**93.5%**	**92.1%**	**91.5%**	**90.9%**	**91.8%**	**91.6%**

Licensee Comments: none

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	127.0	126.0	130.0	131.0	138.0	141.0	136.0	132.0
Total Key personnel	133.0	133.0	133.0	141.0	144.0	143.0	141.0	137.0
Indicator value	**95.5%**	**94.7%**	**97.7%**	**92.9%**	**95.8%**	**98.6%**	**96.5%**	**96.4%**

Licensee Comments: none

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	453	314	314	312	462	316	312	312
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**97.1%**	**97.1%**	**97.1%**	**97.3%**	**98.0%**	**98.1%**	**98.0%**	**98.0%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Physical Protection information not publicly available.

Last Modified: August 3, 2005

Millstone 3

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	1.0	0	0	0	1.0	0	1.0	0
Critical hours	2209.0	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.7**

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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	28.16	21.15	12.65	13.83	23.36	17.71	4.24	35.32
Unplanned unavailable hours	0	0	0	0	0	7.92	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	2052.00	2208.00	2209.00	2160.00	2007.12	2208.00
Train 2								
Planned unavailable hours	26.47	30.22	13.03	21.81	14.26	15.73	1.63	24.36
Unplanned unavailable hours	4.55	1.55	0	14.12	0	0	76.13	78.75
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	2150.50	2208.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.4%**

Licensee Comments:

3Q/05: 14.57 hours of unplanned unavailability for train 1 of the Emergency Diesel Generator were removed to account for the inadvertent inclusion of cascaded support system unavailability hours that did not affect the Emergency Diesel Generator operability. This revision did not result in indicator crossing a threshold.

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
Train 1								
Planned unavailable hours	16.29	22.54	3.18	12.38	14.80	14.37	12.10	35.56
Unplanned unavailable hours	12.97	0	0	44.52	5.20	20.22	0	0.98
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	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00
Train 2								
Planned unavailable hours	17.47	19.59	17.04	21.30	52.72	6.92	6.40	24.84
Unplanned unavailable hours	0	58.80	0	7.45	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	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00
Train 3								
Planned unavailable hours	32.23	12.52	14.24	29.73	11.19	27.73	11.10	26.52
Unplanned unavailable hours	16.90	0	0	0	0	9.02	8.52	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	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00
Train 4								
Planned unavailable hours	20.66	8.87	17.36	23.03	25.67	8.30	9.97	16.38
Unplanned unavailable hours	0	0	0	0	0	2.83	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

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
Train 1								
Planned unavailable hours	14.05	2.50	0.71	3.32	9.87	4.91	19.87	6.56
Unplanned unavailable hours	0	0	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00
Train 2								
Planned unavailable hours	2.85	2.29	12.84	16.82	17.50	4.78	7.48	14.67
Unplanned unavailable hours	0	0	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00
Train 3								
Planned unavailable hours	12.88	20.10	4.73	4.02	14.66	5.18	9.02	7.66
Unplanned unavailable hours	0	0	33.01	0	0	0	1.83	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	559.00	0	0	0	206.08	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	559.00	0	0	0	206.08	0
Train 3								
Planned unavailable hours	7.93	10.64	1.87	10.07	16.35	42.85	0.87	21.48
Unplanned unavailable hours	14.67	0	15.48	17.45	0	11.63	0	26.50
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	2184.00	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00
Train 4								
Planned unavailable hours	6.10	10.05	3.50	41.55	4.45	7.37	0.95	19.76
Unplanned unavailable hours	0	53.70	0	0	20.82	1.13	29.57	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	1483.35	2208.00	2209.00	8208.00	1996.62	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000256	0.000271	0.000290	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171
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**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236
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**	**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	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	0.197	0.154	0.221	0.234	0.209	0.339	0.344	0.250	0.121	0.168	0.121	0.117
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	**2.0**	**1.5**	**2.2**	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**
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	0.127	0.146	0.141	0.142	0.171	0.145	0.132	0.131	0.130	0.124	0.287	0.083
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**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**

Licensee Comments: none

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	27.0	43.0	11.0	58.0	85.0	30.0	26.0	67.0
Total opportunities	29.0	45.0	16.0	63.0	93.0	30.0	27.0	67.0
Indicator value	**93.1%**	**93.5%**	**92.1%**	**91.5%**	**90.9%**	**91.8%**	**91.6%**	**93.8%**

Licensee Comments: none

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	126.0	130.0	131.0	138.0	141.0	136.0	132.0	132.0
Total Key personnel	133.0	133.0	141.0	144.0	143.0	141.0	137.0	138.0
Indicator value	**94.7%**	**97.7%**	**92.9%**	**95.8%**	**98.6%**	**96.5%**	**96.4%**	**95.7%**

Licensee Comments: none

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	314	314	312	462	316	312	312	456
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**97.1%**	**97.1%**	**97.3%**	**98.0%**	**98.1%**	**98.0%**	**98.0%**	**97.6%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Millstone 3

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	1.0	1.0	1.0
Critical hours	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.7**	**2.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	1.0	1.0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**2.0**	**2.0**

Licensee Comments: none

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	1.0	0	1.0	0	2.0
Critical hours	2184.0	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.7**	**2.7**

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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	21.15	12.65	13.83	23.36	17.71	4.24	35.32	2.02
Unplanned unavailable hours	0	0	0	0	7.92	0	0	5.85
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	2052.00	2208.00	2209.00	2160.00	2007.12	2208.00	1858.96
Train 2								
Planned unavailable hours	30.22	13.03	21.81	14.26	15.73	1.63	24.36	4.42
Unplanned unavailable hours	1.55	0	14.12	0	0	76.13	78.75	1.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2150.50	2208.00	1972.71
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.4%**	**1.4%**

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
Train 1								
Planned unavailable hours	22.54	3.18	12.38	14.80	14.37	12.10	35.56	15.98
Unplanned unavailable hours	0	0	44.52	5.20	20.22	0	0.98	5.85
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	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00	1618.13
Train 2								
Planned unavailable hours	19.59	17.04	21.30	52.72	6.92	6.40	24.84	3.09
Unplanned unavailable hours	58.80	0	7.45	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	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00	1618.13
Train 3								
Planned unavailable hours	12.52	14.24	29.73	11.19	27.73	11.10	26.52	6.80
Unplanned unavailable hours	0	0	0	0	9.02	8.52	0	5.85
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	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.32
Train 4								
Planned unavailable hours	8.87	17.36	23.03	25.67	8.30	9.97	16.38	6.95
Unplanned unavailable hours	0	0	0	0	2.83	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.32
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

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
Train 1								
Planned unavailable hours	2.50	0.71	3.32	9.87	4.91	19.87	6.56	3.53
Unplanned unavailable hours	0	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13
Train 2								
Planned unavailable hours	2.29	12.84	16.82	17.50	4.78	7.48	14.67	2.48
Unplanned unavailable hours	0	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13
Train 3								
Planned unavailable hours	20.10	4.73	4.02	14.66	5.18	9.02	7.66	10.72
Unplanned unavailable hours	0	33.01	0	0	0	1.83	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	559.00	0	0	0	206.08	0	580.70
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	559.00	0	0	0	206.08	0	580.70
Train 3								
Planned unavailable hours	10.64	1.87	10.07	16.35	42.85	0.87	21.48	2.33
Unplanned unavailable hours	0	15.48	17.45	0	11.63	0	26.50	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	2184.00	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.30
Train 4								
Planned unavailable hours	10.05	3.50	41.55	4.45	7.37	0.95	19.76	14.57
Unplanned unavailable hours	53.70	0	0	20.82	1.13	29.57	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	1483.35	2208.00	2209.00	8208.00	1996.62	2208.00	1628.30
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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

Licensee Comments: none

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	0.000284	0.000295	0.000899	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201
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**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144
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**	**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	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.234	0.209	0.339	0.344	0.250	0.121	0.168	0.121	0.117	0.127	0.146	0.141
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	**2.3**	**2.1**	**3.4**	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**
Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	0.142	0.171	0.145	0.132	0.131	0.130	0.124	0.287	0.083	0.061	0.166	0.186
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	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**

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	43.0	11.0	54.0	85.0	30.0	26.0	67.0	0
Total opportunities	45.0	16.0	59.0	93.0	30.0	27.0	67.0	0
Indicator value	**93.5%**	**92.1%**	**91.3%**	**90.8%**	**91.7%**	**91.5%**	**93.7%**	**93.8%**

Licensee Comments: none

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	130.0	131.0	138.0	141.0	136.0	132.0	132.0	130.0
Total Key personnel	133.0	141.0	144.0	143.0	141.0	137.0	138.0	139.0
Indicator value	**97.7%**	**92.9%**	**95.8%**	**98.6%**	**96.5%**	**96.4%**	**95.7%**	**93.5%**

Licensee Comments: none

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	314	312	462	316	312	312	456	306
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**97.1%**	**97.3%**	**98.0%**	**98.1%**	**98.0%**	**98.0%**	**97.6%**	**96.9%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

Millstone 3

1Q/2006 Performance Indicators

Licensee's General Comments: none

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	1.0	1.0	1.0	0
Critical hours	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.7**	**2.7**	**2.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	1.0	1.0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	1.0	0	1.0	0	2.0	0
Critical hours	1379.9	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.7**	**2.7**	**2.7**

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
Train 1								
Planned unavailable hours	12.65	13.83	23.36	17.71	4.24	35.32	2.02	17.20
Unplanned unavailable hours	0	0	0	7.92	0	0	5.85	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	2052.00	2208.00	2209.00	2160.00	2007.12	2208.00	1858.96	2160.00
Train 2								
Planned unavailable hours	13.03	21.81	14.26	15.73	1.63	24.36	4.42	26.72
Unplanned unavailable hours	0	14.12	0	0	76.13	78.75	1.83	9.18
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	2150.50	2208.00	1972.71	2160.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.4%**	**1.4%**	**1.4%**

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
Train 1								
Planned unavailable hours	3.18	12.38	14.80	14.37	12.10	35.56	15.98	15.75
Unplanned unavailable hours	0	44.52	5.20	20.22	0	0.98	5.85	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	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00	1618.13	2160.00
Train 2								
Planned unavailable hours	17.04	21.30	52.72	6.92	6.40	24.84	3.09	5.05
Unplanned unavailable hours	0	7.45	0	0	0	0	0	9.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1483.35	2208.00	2209.00	2160.00	1976.90	2208.00	1618.13	2160.00
Train 3								
Planned unavailable hours	14.24	29.73	11.19	27.73	11.10	26.52	6.80	9.50
Unplanned unavailable hours	0	0	0	9.02	8.52	0	5.85	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	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.32	2160.00
Train 4								
Planned unavailable hours	17.36	23.03	25.67	8.30	9.97	16.38	6.95	26.06
Unplanned unavailable hours	0	0	0	2.83	0	0	0	3.65
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.32	2160.00
Indicator value	**1.2%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**

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
Train 1								
Planned unavailable hours	0.71	3.32	9.87	4.91	19.87	6.56	3.53	20.28
Unplanned unavailable hours	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13	2160.00
Train 2								
Planned unavailable hours	12.84	16.82	17.50	4.78	7.48	14.67	2.48	16.03
Unplanned unavailable hours	0	0	0	1.13	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	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13	2160.00
Train 3								
Planned unavailable hours	4.73	4.02	14.66	5.18	9.02	7.66	10.72	14.41
Unplanned unavailable hours	33.01	0	0	0	1.83	0	0	47.38
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1453.00	2208.00	2209.00	2160.00	1922.00	2200.00	1594.13	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**

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
Train 1								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	559.00	0	0	0	206.08	0	580.70	0
Train 2								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	559.00	0	0	0	206.08	0	580.70	0
Train 3								
Planned unavailable hours	1.87	10.07	16.35	42.85	0.87	21.48	2.33	26.98
Unplanned unavailable hours	15.48	17.45	0	11.63	0	26.50	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	1483.35	2208.00	2209.00	2160.00	1996.62	2208.00	1628.30	2160.00
Train 4								
Planned unavailable hours	3.50	41.55	4.45	7.37	0.95	19.76	14.57	0.20
Unplanned unavailable hours	0	0	20.82	1.13	29.57	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	1483.35	2208.00	2209.00	8208.00	1996.62	2208.00	1628.30	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

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

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	0.000196	0.000095	0.000160	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166
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**	**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	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	0.344	0.250	0.121	0.168	0.121	0.117	0.127	0.146	0.141	0.142	0.171	0.145
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	**3.4**	**2.5**	**1.2**	**1.7**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**
Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	0.132	0.131	0.130	0.124	0.287	0.083	0.061	0.166	0.186	0.133	0.097	0.168
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**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**

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	11.0	54.0	85.0	30.0	26.0	67.0	0	17.0
Total opportunities	16.0	59.0	93.0	30.0	27.0	67.0	0	19.0
Indicator value	**92.1%**	**91.3%**	**90.8%**	**91.7%**	**91.5%**	**93.7%**	**93.8%**	**93.2%**

Licensee Comments: none

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	131.0	138.0	141.0	136.0	132.0	132.0	130.0	136.0
Total Key personnel	141.0	144.0	143.0	141.0	137.0	138.0	139.0	149.0
Indicator value	**92.9%**	**95.8%**	**98.6%**	**96.5%**	**96.4%**	**95.7%**	**93.5%**	**91.3%**

Licensee Comments: none

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	312	462	316	312	312	456	306	306
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**97.3%**	**98.0%**	**98.1%**	**98.0%**	**98.0%**	**97.6%**	**96.9%**	**96.4%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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.

Last Modified: May 5, 2006

Millstone 3

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.7**	**2.7**	**2.7**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	1.0	1.0	0	0	0
Indicator value	**0**	**0**	**0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	1.0	0	1.0	0	2.0	0	0
Critical hours	2208.0	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.7**	**1.7**	**2.7**	**2.7**	**1.7**

Licensee Comments: none

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	1	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**2**

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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								4.10E-08
URI (ΔCDF)								-6.10E-07
PLE								NO
Indicator value								**-5.69E-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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								2.50E-08
URI (ΔCDF)								-1.10E-08
PLE								NO
Indicator value								**1.40E-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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								3.40E-08
URI (ΔCDF)								6.10E-07
PLE								NO
Indicator value								**6.44E-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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								7.40E-11
URI (ΔCDF)								-2.10E-08
PLE								NO
Indicator value								**-2.09E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.50E-07
URI (ΔCDF)								-2.40E-08
PLE								NO
Indicator value								**1.26E-07**

Licensee Comments: none

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	0.000153	0.000160	0.000171	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220
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**	**0**	**0**	**0**	**0**	**0**	**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	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177
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**	**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	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	0.168	0.121	0.117	0.127	0.146	0.141	0.142	0.171	0.145	0.132	0.131	0.130
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**	**1.2**	**1.2**	**1.3**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**
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	0.124	0.287	0.083	0.061	0.166	0.186	0.133	0.097	0.168	0.096	0.153	0.122
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**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**

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	54.0	85.0	30.0	26.0	67.0	0	17.0	31.0
Total opportunities	59.0	93.0	30.0	27.0	67.0	0	19.0	32.0
Indicator value	**91.3%**	**90.8%**	**91.7%**	**91.5%**	**93.7%**	**93.8%**	**93.2%**	**94.8%**

Licensee Comments: none

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	138.0	141.0	136.0	132.0	132.0	130.0	136.0	138.0
Total Key personnel	144.0	143.0	141.0	137.0	138.0	139.0	149.0	147.0
Indicator value	**95.8%**	**98.6%**	**96.5%**	**96.4%**	**95.7%**	**93.5%**	**91.3%**	**93.9%**

Licensee Comments: none

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	462	316	312	312	456	306	306	304
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**98.0%**	**98.1%**	**98.0%**	**98.0%**	**97.6%**	**96.9%**	**96.4%**	**95.9%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Physical Protection information not publicly available.

Last Modified: August 2, 2006

Millstone 3

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0
Indicator value	**0**	**0**	**0.8**	**1.7**	**2.7**	**2.7**	**1.7**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	1.0	1.0	0	0	0	0
Indicator value	**0**	**0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

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	1.0	0	1.0	0	2.0	0	0	0
Critical hours	2209.0	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0
Indicator value	**0.9**	**0.9**	**1.7**	**1.7**	**2.7**	**2.7**	**1.7**	**1.7**

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	1	0	0	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							4.10E-08	4.10E-08
URI (ΔCDF)							-6.30E-07	-6.30E-07
PLE							NO	NO
Indicator value							**-5.89E-07**	**-5.89E-07**

Licensee Comments:

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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)							2.50E-08	3.00E-08
URI (ΔCDF)							-1.10E-08	-1.10E-08
PLE							NO	NO
Indicator value							**1.40E-08**	**1.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							3.40E-08	3.10E-08
URI (ΔCDF)							6.20E-07	6.30E-07
PLE							NO	NO
Indicator value							**6.54E-07**	**6.61E-07**

Licensee Comments:

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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 (ΔCDF)							7.40E-11	7.40E-11
URI (ΔCDF)							-2.10E-08	-2.10E-08
PLE							NO	NO
Indicator value							**-2.09E-08**	**-2.09E-08**

Licensee Comments:

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							1.50E-07	1.60E-07
URI (ΔCDF)							-2.40E-08	-2.40E-08
PLE							NO	NO
Indicator value							**1.26E-07**	**1.36E-07**

Licensee Comments:

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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	0.000177	0.000179	0.000201	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197
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**	**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	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	0.127	0.146	0.141	0.142	0.171	0.145	0.132	0.131	0.130	0.124	0.287	0.083
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**	**1.5**	**1.4**	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**
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	0.061	0.166	0.186	0.133	0.097	0.168	0.096	0.153	0.122	0.125	0.159	0.114
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**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**	**1.3**	**1.6**	**1.1**

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	85.0	30.0	26.0	67.0	0	17.0	31.0	64.0
Total opportunities	93.0	30.0	27.0	67.0	0	19.0	32.0	70.0
Indicator value	**90.8%**	**91.7%**	**91.5%**	**93.7%**	**93.8%**	**93.2%**	**94.8%**	**94.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	141.0	136.0	132.0	132.0	130.0	136.0	138.0	143.0
Total Key personnel	143.0	141.0	137.0	138.0	139.0	149.0	147.0	154.0
Indicator value	**98.6%**	**96.5%**	**96.4%**	**95.7%**	**93.5%**	**91.3%**	**93.9%**	**92.9%**

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	316	312	312	456	306	306	304	450
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**98.1%**	**98.0%**	**98.0%**	**97.6%**	**96.9%**	**96.4%**	**95.9%**	**95.5%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

Millstone 3

4Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0
Indicator value	**0**	**0.8**	**1.7**	**2.7**	**2.7**	**1.7**	**0.9**	**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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	1.0	1.0	0	0	0	0	0
Indicator value	**0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	1.0	0	2.0	0	0	0	1.0
Critical hours	2160.0	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**1.7**	**1.7**	**2.7**	**2.7**	**1.7**	**1.7**	**0.8**

Licensee Comments: none

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	1	0	0	1	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**2**	**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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						4.10E-08	4.10E-08	4.10E-08
URI (ΔCDF)						-6.30E-07	-6.30E-07	-6.30E-07
PLE						NO	NO	NO
Indicator value						**-5.89E-07**	**-5.89E-07**	**-5.89E-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)						2.50E-08	3.00E-08	3.10E-08
URI (ΔCDF)						-1.10E-08	-1.10E-08	-1.10E-08
PLE						NO	NO	NO
Indicator value						**1.40E-08**	**1.90E-08**	**2.00E-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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						3.40E-08	3.00E-08	4.20E-08
URI (ΔCDF)						6.20E-07	6.30E-07	6.30E-07
PLE						NO	NO	NO
Indicator value						**6.54E-07**	**6.60E-07**	**6.72E-07**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

2Q/06: 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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						7.40E-11	7.40E-11	7.40E-11
URI (ΔCDF)						-2.10E-08	-2.10E-08	-2.10E-08
PLE						NO	NO	NO
Indicator value						**-2.09E-08**	**-2.09E-08**	**-2.09E-08**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

3Q/06: Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

2Q/06: 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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.60E-07	1.50E-07	1.10E-07
URI (ΔCDF)						-2.40E-08	-2.40E-08	-2.40E-08
PLE						NO	NO	NO
Indicator value						**1.36E-07**	**1.26E-07**	**8.60E-08**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

3Q/06: Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

2Q/06: Changed PRA Parameter(s).

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	0.000192	0.000204	0.000207	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195
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**	**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	0.142	0.171	0.145	0.132	0.131	0.130	0.124	0.287	0.083	0.061	0.166	0.186
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	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**
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	0.133	0.097	0.168	0.096	0.153	0.122	0.125	0.159	0.114	0.140	0.154	0.174
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**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**

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	30.0	26.0	67.0	0	17.0	31.0	64.0	0
Total opportunities	30.0	27.0	67.0	0	19.0	32.0	70.0	0
Indicator value	**91.7%**	**91.5%**	**93.7%**	**93.8%**	**93.2%**	**94.8%**	**94.7%**	**95.9%**

Licensee Comments: none

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	136.0	132.0	132.0	130.0	136.0	138.0	143.0	133.0
Total Key personnel	141.0	137.0	138.0	139.0	149.0	147.0	154.0	146.0
Indicator value	**96.5%**	**96.4%**	**95.7%**	**93.5%**	**91.3%**	**93.9%**	**92.9%**	**91.1%**

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	312	312	456	306	306	304	450	310
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**98.0%**	**98.0%**	**97.6%**	**96.9%**	**96.4%**	**95.9%**	**95.5%**	**95.7%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 7, 2007

Millstone 3

1Q/2007 Performance Indicators

Licensee's General Comments: MS06 - Revised the baseline unavailability for the Emergency Diesel Generators to account for overhauls. MS07 â€" Changed PRA parameter(s). Adjusted demand estimated based on change of greater than 25%.

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	1.0	1.0	1.0	0	0	0	0	0
Critical hours	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3
Indicator value	**0.8**	**1.7**	**2.7**	**2.7**	**1.7**	**0.9**	**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	1.0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	1.0	0	2.0	0	0	0	1.0	1.0
Critical hours	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3
Indicator value	**1.7**	**1.7**	**2.7**	**2.7**	**1.7**	**1.7**	**0.8**	**1.6**

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	1	0	0	1	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**2**	**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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					4.10E-08	4.10E-08	4.10E-08	4.10E-08
URI (ΔCDF)					-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07
PLE					NO	NO	NO	NO
Indicator value					**-5.89E-07**	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**

Licensee Comments:

1Q/07: Adjusted baseline unavailability based on diesel overhauls.

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 (ΔCDF)					2.50E-08	3.00E-08	3.10E-08	3.00E-08
URI (ΔCDF)					-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE					NO	NO	NO	NO
Indicator value					**1.40E-08**	**1.90E-08**	**2.00E-08**	**1.90E-08**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Adjusted demand estimates based on change of greater than 25%.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: 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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					3.40E-08	3.00E-08	4.20E-08	4.80E-08
URI (ΔCDF)					6.20E-07	6.30E-07	6.30E-07	6.30E-07
PLE					NO	NO	NO	NO
Indicator value					**6.54E-07**	**6.60E-07**	**6.72E-07**	**6.78E-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 (ΔCDF)					7.40E-11	7.40E-11	7.40E-11	9.50E-11
URI (ΔCDF)					-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					1.60E-07	1.50E-07	1.10E-07	6.90E-08
URI (ΔCDF)					-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
PLE					NO	NO	NO	NO
Indicator value					**1.36E-07**	**1.26E-07**	**8.60E-08**	**4.50E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358
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**	**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	0.132	0.131	0.130	0.124	0.287	0.083	0.061	0.166	0.186	0.133	0.097	0.168
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**	**1.3**	**1.3**	**1.2**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**
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	0.096	0.153	0.122	0.125	0.159	0.114	0.140	0.154	0.174	0.222	0.253	0.302
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**	**1.5**	**1.2**	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**

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	26.0	67.0	0	17.0	31.0	64.0	0	11.0
Total opportunities	27.0	67.0	0	19.0	32.0	70.0	0	13.0
Indicator value	**91.5%**	**93.7%**	**93.8%**	**93.2%**	**94.8%**	**94.7%**	**95.9%**	**94.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	132.0	132.0	130.0	136.0	138.0	143.0	133.0	131.0
Total Key personnel	137.0	138.0	139.0	149.0	147.0	154.0	146.0	146.0
Indicator value	**96.4%**	**95.7%**	**93.5%**	**91.3%**	**93.9%**	**92.9%**	**91.1%**	**89.7%**

Licensee Comments: none

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	312	456	306	306	304	450	310	312
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**98.0%**	**97.6%**	**96.9%**	**96.4%**	**95.9%**	**95.5%**	**95.7%**	**96.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Physical Protection information not publicly available.

Last Modified: June 1, 2007

Millstone 3

2Q/2007 Performance Indicators

Licensee's General Comments: none

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	1.0	1.0	0	0	0	0	0	0
Critical hours	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3
Indicator value	**1.7**	**2.7**	**2.7**	**1.7**	**0.9**	**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	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	2.0	0	0	0	1.0	1.0	0
Critical hours	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3
Indicator value	**1.7**	**2.7**	**2.7**	**1.7**	**1.7**	**0.8**	**1.6**	**1.8**

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	1	0	0	1	0	0	0	0
Indicator value	**1**	**1**	**1**	**2**	**1**	**1**	**1**	**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/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				4.10E-08	4.10E-08	4.10E-08	4.10E-08	2.40E-07
URI (ΔCDF)				-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07	-6.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.89E-07**	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**	**-3.80E-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 (ΔCDF)				2.50E-08	3.00E-08	3.10E-08	3.00E-08	2.80E-08
URI (ΔCDF)				-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	8.10E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**1.40E-08**	**1.90E-08**	**2.00E-08**	**1.90E-08**	**1.09E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				3.40E-08	3.00E-08	4.20E-08	4.80E-08	6.20E-08
URI (ΔCDF)				6.20E-07	6.30E-07	6.30E-07	6.30E-07	6.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**6.54E-07**	**6.60E-07**	**6.72E-07**	**6.78E-07**	**7.12E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				7.40E-11	7.40E-11	7.40E-11	9.50E-11	1.60E-10
URI (ΔCDF)				-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.90E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				1.60E-07	1.50E-07	1.10E-07	6.90E-08	1.20E-07
URI (ΔCDF)				-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**1.36E-07**	**1.26E-07**	**8.60E-08**	**4.50E-08**	**9.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177
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**	**0**	**0**	**0**	**0**	**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	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455
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**	**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	0.124	0.287	0.083	0.061	0.166	0.186	0.133	0.097	0.168	0.096	0.153	0.122
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**	**2.9**	**0.8**	**0.6**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**
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	0.125	0.159	0.114	0.140	0.154	0.174	0.222	0.253	0.302	0.369	0.069	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	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**

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	67.0	0	17.0	31.0	64.0	0	10.0	42.0
Total opportunities	67.0	0	19.0	32.0	70.0	0	12.0	45.0
Indicator value	**93.7%**	**93.8%**	**93.2%**	**94.8%**	**94.7%**	**95.9%**	**94.7%**	**94.3%**

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill/Exercise Performance data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

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	132.0	130.0	136.0	138.0	143.0	133.0	130.0	139.0
Total Key personnel	138.0	139.0	149.0	147.0	154.0	146.0	145.0	145.0
Indicator value	**95.7%**	**93.5%**	**91.3%**	**93.9%**	**92.9%**	**91.1%**	**89.7%**	**95.9%**

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill Participation data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

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	456	306	306	304	450	310	312	314
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**97.6%**	**96.9%**	**96.4%**	**95.9%**	**95.5%**	**95.7%**	**96.2%**	**96.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Physical Protection information not publicly available.

Last Modified: August 6, 2007

Millstone 3

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0
Indicator value	**2.7**	**2.7**	**1.7**	**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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	2.0	0	0	0	1.0	1.0	0	0
Critical hours	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0
Indicator value	**2.7**	**2.7**	**1.7**	**1.7**	**0.8**	**1.6**	**1.8**	**1.8**

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

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	1	0	0	0	0	0
Indicator value	**1**	**1**	**2**	**1**	**1**	**1**	**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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			4.10E-08	4.10E-08	4.10E-08	4.10E-08	2.40E-07	4.10E-07
URI (ΔCDF)			-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07	-6.20E-07	-6.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.89E-07**	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**	**-3.80E-07**	**-2.10E-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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			2.50E-08	3.00E-08	3.10E-08	3.00E-08	2.80E-08	6.20E-10
URI (ΔCDF)			-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	8.10E-08	8.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**1.40E-08**	**1.90E-08**	**2.00E-08**	**1.90E-08**	**1.09E-07**	**8.26E-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 (ΔCDF)			3.40E-08	3.00E-08	4.20E-08	4.80E-08	6.20E-08	9.90E-08
URI (ΔCDF)			6.20E-07	6.30E-07	6.30E-07	6.30E-07	6.50E-07	6.50E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**6.54E-07**	**6.60E-07**	**6.72E-07**	**6.78E-07**	**7.12E-07**	**7.49E-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)			7.40E-11	7.40E-11	7.40E-11	9.50E-11	1.60E-10	1.60E-10
URI (ΔCDF)			-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.90E-08	-1.90E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			1.60E-07	1.50E-07	1.10E-07	6.90E-08	1.20E-07	1.30E-07
URI (ΔCDF)			-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**1.36E-07**	**1.26E-07**	**8.60E-08**	**4.50E-08**	**9.60E-08**	**1.06E-07**

Licensee Comments: none

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	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197
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**	**0**	**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	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333
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**	**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	0.061	0.166	0.186	0.133	0.097	0.168	0.096	0.153	0.122	0.125	0.159	0.114
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**	**1.7**	**1.9**	**1.3**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**	**1.3**	**1.6**	**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	0.140	0.154	0.174	0.222	0.253	0.302	0.369	0.069	0.059	0.050	0.089	0.058
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	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**

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	0	17.0	31.0	64.0	0	10.0	42.0	30.0
Total opportunities	0	19.0	32.0	70.0	0	12.0	45.0	31.0
Indicator value	**93.8%**	**93.2%**	**94.8%**	**94.7%**	**95.9%**	**94.7%**	**94.3%**	**92.8%**

Licensee Comments: none

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	130.0	136.0	138.0	143.0	133.0	130.0	139.0	145.0
Total Key personnel	139.0	149.0	147.0	154.0	146.0	145.0	145.0	149.0
Indicator value	**93.5%**	**91.3%**	**93.9%**	**92.9%**	**91.1%**	**89.7%**	**95.9%**	**97.3%**

Licensee Comments: none

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	306	306	304	450	310	312	314	453
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**96.9%**	**96.4%**	**95.9%**	**95.5%**	**95.7%**	**96.2%**	**96.9%**	**97.1%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Physical Protection information not publicly available.

Last Modified: December 7, 2007

Millstone 3

4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0
Indicator value	**2.7**	**1.7**	**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	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0
Indicator value	**2.7**	**1.7**	**1.7**	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**

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							**0.0**	**0.0**

Licensee Comments: none

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	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**1**	**1**	**1**	**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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.10E-08	4.10E-08	4.10E-08	4.10E-08	2.40E-07	4.10E-07	3.90E-07
URI (ΔCDF)		-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07	-6.20E-07	-6.20E-07	-5.50E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.89E-07**	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**

Licensee Comments:

4Q/07: Changed PRA Parameter(s). PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02. The baseline unavailability was changed based on 2 overhauls in 3 year period and changes to the maintenance practices.

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 (ΔCDF)		2.50E-08	3.00E-08	3.10E-08	3.00E-08	2.80E-08	6.20E-10	-1.30E-08
URI (ΔCDF)		-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	8.50E-08	8.50E-08	1.10E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**1.40E-08**	**1.90E-08**	**2.00E-08**	**1.90E-08**	**1.13E-07**	**8.56E-08**	**9.70E-08**

Licensee Comments:

4Q/07: Changed PRA Parameter(s). PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02. Updated the HPSI estimates based on changes in operational practices.

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 (ΔCDF)		3.40E-08	3.00E-08	4.20E-08	4.80E-08	6.20E-08	9.90E-08	1.10E-07
URI (ΔCDF)		6.20E-07	6.30E-07	6.30E-07	6.30E-07	6.50E-07	6.50E-07	8.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**6.54E-07**	**6.60E-07**	**6.72E-07**	**6.78E-07**	**7.12E-07**	**7.49E-07**	**9.30E-07**

Licensee Comments:

4Q/07: Changed PRA Parameter(s). PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

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 (ΔCDF)		7.40E-11	7.40E-11	7.40E-11	9.50E-11	1.60E-10	1.60E-10	-9.80E-09
URI (ΔCDF)		-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.90E-08	-1.90E-08	-2.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**

Licensee Comments:

4Q/07: Changed PRA Parameter(s). PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

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 (ΔCDF)		1.60E-07	1.50E-07	1.10E-07	6.90E-08	1.20E-07	1.30E-07	7.10E-08
URI (ΔCDF)		-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.50E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**1.36E-07**	**1.26E-07**	**8.60E-08**	**4.50E-08**	**9.60E-08**	**1.06E-07**	**4.60E-08**

Licensee Comments:

4Q/07: Changed PRA Parameter(s). PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

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	0.000151	0.000164	0.000166	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195
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**	**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	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288
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**	**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	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0.133	0.097	0.168	0.096	0.153	0.122	0.125	0.159	0.114	0.140	0.154	0.174
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**	**1.0**	**1.7**	**1.0**	**1.5**	**1.2**	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**
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	0.222	0.253	0.302	0.369	0.069	0.059	0.050	0.089	0.058	0.099	0.064	0.117
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**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**

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	17.0	31.0	64.0	0	10.0	42.0	30.0	36.0
Total opportunities	19.0	32.0	70.0	0	12.0	45.0	31.0	40.0
Indicator value	**93.2%**	**94.8%**	**94.7%**	**95.9%**	**94.7%**	**94.3%**	**92.8%**	**92.4%**

Licensee Comments: none

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	136.0	138.0	143.0	133.0	130.0	139.0	145.0	140.0
Total Key personnel	149.0	147.0	154.0	146.0	145.0	145.0	149.0	147.0
Indicator value	**91.3%**	**93.9%**	**92.9%**	**91.1%**	**89.7%**	**95.9%**	**97.3%**	**95.2%**

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	306	304	450	310	312	314	453	308
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**96.4%**	**95.9%**	**95.5%**	**95.7%**	**96.2%**	**96.9%**	**97.1%**	**96.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Physical Protection information not publicly available.

Last Modified: February 4, 2008

Millstone 3

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0
Indicator value	**1.7**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0
Indicator value	**1.7**	**1.7**	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**	**0**

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	1	0	0	0	0	0	0	0
Indicator value	**2**	**1**	**1**	**1**	**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 (ΔCDF)	4.10E-08	4.10E-08	4.10E-08	4.10E-08	2.40E-07	4.10E-07	3.90E-07	4.00E-07
URI (ΔCDF)	-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07	-6.20E-07	-6.20E-07	-5.50E-07	-6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.89E-07**	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**	**-2.10E-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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.50E-08	3.00E-08	3.10E-08	3.00E-08	2.80E-08	6.20E-10	-1.30E-08	3.00E-08
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	8.50E-08	8.50E-08	1.10E-07	1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.90E-08**	**2.00E-08**	**1.90E-08**	**1.13E-07**	**8.56E-08**	**9.70E-08**	**1.40E-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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	3.40E-08	3.00E-08	4.20E-08	4.80E-08	6.20E-08	9.90E-08	1.10E-07	1.40E-07
URI (ΔCDF)	6.20E-07	6.30E-07	6.30E-07	6.30E-07	6.50E-07	6.50E-07	8.20E-07	8.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.54E-07**	**6.60E-07**	**6.72E-07**	**6.78E-07**	**7.12E-07**	**7.49E-07**	**9.30E-07**	**9.50E-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 (ΔCDF)	7.40E-11	7.40E-11	7.40E-11	9.50E-11	1.60E-10	1.60E-10	-9.80E-09	-9.80E-09
URI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.90E-08	-1.90E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	1.60E-07	1.50E-07	1.10E-07	6.90E-08	1.20E-07	1.30E-07	7.10E-08	2.50E-08
URI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.36E-07**	**1.26E-07**	**8.60E-08**	**4.50E-08**	**9.60E-08**	**1.06E-07**	**4.60E-08**	**0.00E+00**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358
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**	**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	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391
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**	**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	0.096	0.153	0.122	0.125	0.159	0.114	0.140	0.154	0.174	0.222	0.253	0.302
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**	**1.5**	**1.2**	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**
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	0.369	0.069	0.059	0.050	0.089	0.058	0.099	0.064	0.117	0.051	0.144	0.068
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	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**

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	31.0	64.0	0	10.0	42.0	30.0	36.0	35.0
Total opportunities	32.0	70.0	0	12.0	45.0	31.0	40.0	37.0
Indicator value	**94.8%**	**94.7%**	**95.9%**	**94.7%**	**94.3%**	**92.8%**	**92.4%**	**92.9%**

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	138.0	143.0	133.0	130.0	139.0	145.0	140.0	141.0
Total Key personnel	147.0	154.0	146.0	145.0	145.0	149.0	147.0	147.0
Indicator value	**93.9%**	**92.9%**	**91.1%**	**89.7%**	**95.9%**	**97.3%**	**95.2%**	**95.9%**

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	304	450	310	312	314	453	308	316
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**95.9%**	**95.5%**	**95.7%**	**96.2%**	**96.9%**	**97.1%**	**96.9%**	**97.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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.

Last Modified: April 30, 2008

Millstone 3

2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0
Indicator value	**1.7**	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**	**0**	**0**

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	**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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	4.10E-08	4.10E-08	4.10E-08	2.40E-07	4.10E-07	3.90E-07	4.00E-07	1.30E-07
URI (ΔCDF)	-6.30E-07	-6.30E-07	-6.40E-07	-6.20E-07	-6.20E-07	-5.50E-07	-6.10E-07	-5.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.89E-07**	**-5.89E-07**	**-5.99E-07**	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**	**-2.10E-07**	**-4.40E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	3.00E-08	3.10E-08	3.00E-08	2.80E-08	6.20E-10	-1.30E-08	3.00E-08	1.70E-08
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	8.50E-08	8.50E-08	1.10E-07	1.10E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-08**	**2.00E-08**	**1.90E-08**	**1.13E-07**	**8.56E-08**	**9.70E-08**	**1.40E-07**	**1.37E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	3.00E-08	4.20E-08	4.80E-08	6.20E-08	9.90E-08	1.10E-07	1.40E-07	1.20E-07
URI (ΔCDF)	6.30E-07	6.30E-07	6.30E-07	6.50E-07	6.50E-07	8.20E-07	8.10E-07	3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-07**	**6.72E-07**	**6.78E-07**	**7.12E-07**	**7.49E-07**	**9.30E-07**	**9.50E-07**	**4.80E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	7.40E-11	7.40E-11	9.50E-11	1.60E-10	1.60E-10	-9.80E-09	-9.80E-09	-9.80E-09
URI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-1.90E-08	-1.90E-08	-2.60E-08	-2.60E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-08**	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.50E-07	1.10E-07	6.90E-08	1.20E-07	1.30E-07	7.10E-08	2.50E-08	3.60E-08
URI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.50E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.26E-07**	**8.60E-08**	**4.50E-08**	**9.60E-08**	**1.06E-07**	**4.60E-08**	**0.00E+00**	**1.10E-08**

Licensee Comments: none

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	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455
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**	**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	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345
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**	**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	0.125	0.159	0.114	0.140	0.154	0.174	0.222	0.253	0.302	0.369	0.069	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	**1.3**	**1.6**	**1.1**	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**
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	0.050	0.089	0.058	0.099	0.064	0.117	0.051	0.144	0.068	0.147	0.111	0.078
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	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**

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	64.0	0	10.0	42.0	30.0	36.0	35.0	38.0
Total opportunities	70.0	0	12.0	45.0	31.0	40.0	37.0	41.0
Indicator value	**94.7%**	**95.9%**	**94.7%**	**94.3%**	**92.8%**	**92.4%**	**92.9%**	**92.4%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	143.0	133.0	130.0	139.0	145.0	140.0	141.0	144.0
Total Key personnel	154.0	146.0	145.0	145.0	149.0	147.0	147.0	146.0
Indicator value	**92.9%**	**91.1%**	**89.7%**	**95.9%**	**97.3%**	**95.2%**	**95.9%**	**98.6%**

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	450	310	312	314	453	308	316	304
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**95.5%**	**95.7%**	**96.2%**	**96.9%**	**97.1%**	**96.9%**	**97.2%**	**96.5%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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.

Millstone 3

3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0	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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

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

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	**1**	**1**	**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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	4.10E-08	4.10E-08	2.40E-07	4.10E-07	3.90E-07	4.00E-07	1.30E-07	7.50E-08
URI (ΔCDF)	-6.30E-07	-6.40E-07	-6.20E-07	-6.20E-07	-5.50E-07	-6.10E-07	-5.70E-07	-5.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.89E-07**	**-5.99E-07**	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**	**-2.10E-07**	**-4.40E-07**	**-5.05E-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 (ΔCDF)	3.10E-08	3.00E-08	2.80E-08	6.20E-10	-1.30E-08	3.00E-08	1.70E-08	2.90E-08
URI (ΔCDF)	-1.10E-08	-1.10E-08	8.50E-08	8.50E-08	1.10E-07	1.10E-07	1.20E-07	1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**1.90E-08**	**1.13E-07**	**8.56E-08**	**9.70E-08**	**1.40E-07**	**1.37E-07**	**1.59E-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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	4.20E-08	4.80E-08	6.20E-08	9.90E-08	1.10E-07	1.40E-07	1.20E-07	1.40E-07
URI (ΔCDF)	6.30E-07	6.30E-07	6.50E-07	6.50E-07	8.20E-07	8.10E-07	3.60E-07	3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.72E-07**	**6.78E-07**	**7.12E-07**	**7.49E-07**	**9.30E-07**	**9.50E-07**	**4.80E-07**	**5.00E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	7.40E-11	9.50E-11	1.60E-10	1.60E-10	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09
URI (ΔCDF)	-2.10E-08	-2.10E-08	-1.90E-08	-1.90E-08	-2.60E-08	-2.60E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-08**	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	1.10E-07	6.90E-08	1.20E-07	1.30E-07	7.10E-08	2.50E-08	3.60E-08	3.50E-08
URI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-08**	**4.50E-08**	**9.60E-08**	**1.06E-07**	**4.60E-08**	**0.00E+00**	**1.10E-08**	**1.00E-08**

Licensee Comments: none

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	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333
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**	**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	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299
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**	**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	0.140	0.154	0.174	0.222	0.253	0.302	0.369	0.069	0.059	0.050	0.089	0.058
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	**1.4**	**1.5**	**1.7**	**2.2**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**
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	0.099	0.064	0.117	0.051	0.144	0.068	0.147	0.111	0.078	0.077	0.063	0.144
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**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**

Licensee Comments: none

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	0	10.0	42.0	30.0	36.0	35.0	38.0	57.0
Total opportunities	0	12.0	45.0	31.0	40.0	37.0	41.0	59.0
Indicator value	**95.9%**	**94.7%**	**94.3%**	**92.8%**	**92.4%**	**92.9%**	**92.4%**	**93.6%**

Licensee Comments: none

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	133.0	130.0	139.0	145.0	140.0	141.0	144.0	147.0
Total Key personnel	146.0	145.0	145.0	149.0	147.0	147.0	146.0	147.0
Indicator value	**91.1%**	**89.7%**	**95.9%**	**97.3%**	**95.2%**	**95.9%**	**98.6%**	**100.0%**

Licensee Comments: none

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	310	312	314	453	308	316	304	450
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**95.7%**	**96.2%**	**96.9%**	**97.1%**	**96.9%**	**97.2%**	**96.5%**	**96.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Security information not publicly available.

Last Modified: November 26, 2008

Millstone 3

4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	0
Critical hours	2128.3	1199.3	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9
Indicator value	**1.6**	**1.8**	**1.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	4.10E-08	2.40E-07	4.10E-07	3.90E-07	4.00E-07	1.30E-07	7.50E-08	7.40E-08
URI (ΔCDF)	-6.40E-07	-6.20E-07	-6.20E-07	-5.50E-07	-6.10E-07	-5.70E-07	-5.80E-07	-5.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.99E-07**	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**	**-2.10E-07**	**-4.40E-07**	**-5.05E-07**	**-5.06E-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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	3.00E-08	2.80E-08	6.20E-10	-1.30E-08	3.00E-08	1.70E-08	2.90E-08	2.90E-08
URI (ΔCDF)	-1.10E-08	8.50E-08	8.50E-08	1.10E-07	1.10E-07	1.20E-07	1.30E-07	1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-08**	**1.13E-07**	**8.56E-08**	**9.70E-08**	**1.40E-07**	**1.37E-07**	**1.59E-07**	**1.69E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	4.80E-08	6.20E-08	9.90E-08	1.10E-07	1.40E-07	1.20E-07	1.40E-07	1.40E-07
URI (ΔCDF)	6.30E-07	6.50E-07	6.50E-07	8.20E-07	8.10E-07	3.60E-07	3.60E-07	3.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.78E-07**	**7.12E-07**	**7.49E-07**	**9.30E-07**	**9.50E-07**	**4.80E-07**	**5.00E-07**	**5.20E-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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	9.50E-11	1.60E-10	1.60E-10	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09
URI (ΔCDF)	-2.10E-08	-1.90E-08	-1.90E-08	-2.60E-08	-2.60E-08	-2.50E-08	-2.50E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-08**	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**	**-3.58E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	6.90E-08	1.20E-07	1.30E-07	7.10E-08	2.50E-08	3.60E-08	3.50E-08	3.90E-08
URI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-08**	**9.60E-08**	**1.06E-07**	**4.60E-08**	**0.00E+00**	**1.10E-08**	**1.00E-08**	**1.40E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000202	0.000279	0.000358	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288
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**	**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	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299	0.000299	0	0.000248
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**	**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	0.222	0.253	0.302	0.369	0.069	0.059	0.050	0.089	0.058	0.099	0.064	0.117
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**	**2.5**	**3.0**	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**
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	0.051	0.144	0.068	0.147	0.111	0.078	0.077	0.063	0.144	0.058	0.083	0.096
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	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**

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	10.0	42.0	30.0	36.0	35.0	38.0	57.0	0
Total opportunities	12.0	45.0	31.0	40.0	37.0	41.0	59.0	0
Indicator value	**94.7%**	**94.3%**	**92.8%**	**92.4%**	**92.9%**	**92.4%**	**93.6%**	**93.6%**

Licensee Comments: none

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	130.0	139.0	145.0	140.0	141.0	144.0	147.0	145.0
Total Key personnel	145.0	145.0	149.0	147.0	147.0	146.0	147.0	145.0
Indicator value	**89.7%**	**95.9%**	**97.3%**	**95.2%**	**95.9%**	**98.6%**	**100.0%**	**100.0%**

Licensee Comments: none

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	312	314	453	308	316	304	450	304
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**96.2%**	**96.9%**	**97.1%**	**96.9%**	**97.2%**	**96.5%**	**96.3%**	**96.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 4, 2009

Millstone 3

1Q/2009 Performance Indicators

Licensee's General Comments: Changed the baseline data to include only 1 overhaul in 3 yr period. 'A' diesel effective 4th qtr 08 & 'B' diesel effective 2nd qtr 2008. This change did not result in crossing any threshold.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1199.3	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0
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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1199.3	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0
Indicator value	**1.8**	**1.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	2.40E-07	4.10E-07	3.90E-07	4.00E-07	1.30E-07	7.50E-08	9.40E-08	1.00E-07
URI (ΔCDF)	-6.20E-07	-6.20E-07	-5.50E-07	-6.10E-07	-5.70E-07	-5.80E-07	-5.80E-07	-5.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-07**	**-2.10E-07**	**-1.60E-07**	**-2.10E-07**	**-4.40E-07**	**-5.05E-07**	**-4.86E-07**	**-4.30E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s). Changed the baseline for only 1 overhaul in 3 yr period. 'A' diesel effective 4th qtr 08 & 'B' diesel effective 2nd qtr 2008. The diesel remains within the green band.

4Q/08: Changed PRA Parameter(s).

3Q/08: Changed PRA Parameter(s).

2Q/08: 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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	2.80E-08	6.20E-10	-1.30E-08	3.00E-08	1.70E-08	2.90E-08	2.90E-08	1.40E-08
URI (ΔCDF)	8.50E-08	8.50E-08	1.10E-07	1.10E-07	1.20E-07	1.30E-07	1.40E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.13E-07**	**8.56E-08**	**9.70E-08**	**1.40E-07**	**1.37E-07**	**1.59E-07**	**1.69E-07**	**-1.56E-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	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	6.20E-08	9.90E-08	1.10E-07	1.40E-07	1.20E-07	1.40E-07	1.40E-07	3.70E-08
URI (ΔCDF)	6.50E-07	6.50E-07	8.20E-07	8.10E-07	3.60E-07	3.60E-07	3.80E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.12E-07**	**7.49E-07**	**9.30E-07**	**9.50E-07**	**4.80E-07**	**5.00E-07**	**5.20E-07**	**-7.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.60E-10	1.60E-10	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09
URI (ΔCDF)	-1.90E-08	-1.90E-08	-2.60E-08	-2.60E-08	-2.50E-08	-2.50E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.88E-08**	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**	**-3.58E-08**	**-3.58E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.20E-07	1.30E-07	7.10E-08	2.50E-08	3.60E-08	3.50E-08	3.90E-08	1.10E-08
URI (ΔCDF)	-2.40E-08	-2.40E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-08**	**1.06E-07**	**4.60E-08**	**0.00E+00**	**1.10E-08**	**1.00E-08**	**1.40E-08**	**-1.40E-08**

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	0.000373	0.000086	0.000455	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391
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**	**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	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299	0.000299	0	0.000248	0.000251	0.000442	0.000326
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**	**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	0.369	0.069	0.059	0.050	0.089	0.058	0.099	0.064	0.117	0.051	0.144	0.068
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	**3.7**	**0.7**	**0.6**	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**
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	0.147	0.111	0.078	0.077	0.063	0.144	0.058	0.083	0.096	0.102	0.087	0.093
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	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**	**1.0**	**0.9**	**0.9**

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	42.0	30.0	36.0	35.0	38.0	57.0	0	23.0
Total opportunities	45.0	31.0	40.0	37.0	41.0	59.0	0	26.0
Indicator value	**94.3%**	**92.8%**	**92.4%**	**92.9%**	**92.4%**	**93.6%**	**93.6%**	**93.5%**

Licensee Comments: none

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	139.0	145.0	140.0	141.0	144.0	147.0	145.0	142.0
Total Key personnel	145.0	149.0	147.0	147.0	146.0	147.0	145.0	143.0
Indicator value	**95.9%**	**97.3%**	**95.2%**	**95.9%**	**98.6%**	**100.0%**	**100.0%**	**99.3%**

Licensee Comments: none

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	314	453	308	316	304	450	304	316
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**96.9%**	**97.1%**	**96.9%**	**97.2%**	**96.5%**	**96.3%**	**96.0%**	**96.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 1, 2009

Millstone 3

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0
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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0
Indicator value	**1.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1	0	0
Indicator value	**0**	**0**	**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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	4.10E-07	3.90E-07	4.00E-07	1.30E-07	7.50E-08	9.40E-08	1.00E-07	1.00E-07
URI (ΔCDF)	-6.20E-07	-5.50E-07	-6.10E-07	-5.70E-07	-5.80E-07	-5.80E-07	-5.30E-07	-5.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-1.60E-07**	**-2.10E-07**	**-4.40E-07**	**-5.05E-07**	**-4.86E-07**	**-4.30E-07**	**-4.40E-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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	6.20E-10	-1.30E-08	3.00E-08	1.70E-08	2.90E-08	2.90E-08	1.40E-08	1.10E-08
URI (ΔCDF)	8.50E-08	1.10E-07	1.10E-07	1.20E-07	1.30E-07	1.40E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.56E-08**	**9.70E-08**	**1.40E-07**	**1.37E-07**	**1.59E-07**	**1.69E-07**	**-1.56E-07**	**-1.59E-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)	9.90E-08	1.10E-07	1.40E-07	1.20E-07	1.40E-07	1.40E-07	3.70E-08	-4.90E-10
URI (ΔCDF)	6.50E-07	8.20E-07	8.10E-07	3.60E-07	3.60E-07	3.80E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.49E-07**	**9.30E-07**	**9.50E-07**	**4.80E-07**	**5.00E-07**	**5.20E-07**	**-7.30E-08**	**-1.10E-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)	1.60E-10	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09
URI (ΔCDF)	-1.90E-08	-2.60E-08	-2.60E-08	-2.50E-08	-2.50E-08	-2.60E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.88E-08**	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**	**-3.58E-08**	**-3.58E-08**	**-3.58E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	1.30E-07	7.10E-08	2.50E-08	3.60E-08	3.50E-08	3.90E-08	1.10E-08	-1.00E-07
URI (ΔCDF)	-2.40E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.06E-07**	**4.60E-08**	**0.00E+00**	**1.10E-08**	**1.00E-08**	**1.40E-08**	**-1.40E-08**	**-1.25E-07**

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	0.000237	0.000225	0.000333	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345
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**	**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	0.000402	0.000398	0.000299	0.000299	0	0.000248	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429
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**	**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	0.050	0.089	0.058	0.099	0.064	0.117	0.051	0.144	0.068	0.147	0.111	0.078
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	**0.5**	**0.9**	**0.6**	**1.0**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**
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	0.077	0.063	0.144	0.058	0.083	0.096	0.102	0.087	0.093	0.082	0.087	0.091
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**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**	**1.0**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**

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	30.0	36.0	35.0	38.0	57.0	0	23.0	48.0
Total opportunities	31.0	40.0	37.0	41.0	59.0	0	26.0	49.0
Indicator value	**92.8%**	**92.4%**	**92.9%**	**92.4%**	**93.6%**	**93.6%**	**93.5%**	**94.3%**

Licensee Comments: none

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	145.0	140.0	141.0	144.0	147.0	145.0	142.0	140.0
Total Key personnel	149.0	147.0	147.0	146.0	147.0	145.0	143.0	143.0
Indicator value	**97.3%**	**95.2%**	**95.9%**	**98.6%**	**100.0%**	**100.0%**	**99.3%**	**97.9%**

Licensee Comments: none

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	453	308	316	304	450	304	316	310
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**97.1%**	**96.9%**	**97.2%**	**96.5%**	**96.3%**	**96.0%**	**96.0%**	**96.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2009

Millstone 3

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0
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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**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	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	3.90E-07	4.00E-07	1.30E-07	7.50E-08	9.40E-08	1.00E-07	1.00E-07	5.70E-08
URI (ΔCDF)	-5.50E-07	-6.10E-07	-5.70E-07	-5.80E-07	-5.80E-07	-5.30E-07	-5.40E-07	-9.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-2.10E-07**	**-4.40E-07**	**-5.05E-07**	**-4.86E-07**	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**

Licensee Comments:

3Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

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 (ΔCDF)	-1.30E-08	3.00E-08	1.70E-08	2.90E-08	2.90E-08	1.40E-08	1.10E-08	-5.10E-09
URI (ΔCDF)	1.10E-07	1.10E-07	1.20E-07	1.30E-07	1.40E-07	-1.70E-07	-1.70E-07	1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.70E-08**	**1.40E-07**	**1.37E-07**	**1.59E-07**	**1.69E-07**	**-1.56E-07**	**-1.59E-07**	**1.05E-07**

Licensee Comments:

3Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

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 (ΔCDF)	1.10E-07	1.40E-07	1.20E-07	1.40E-07	1.40E-07	3.70E-08	-4.90E-10	3.30E-09
URI (ΔCDF)	8.20E-07	8.10E-07	3.60E-07	3.60E-07	3.80E-07	-1.10E-07	-1.10E-07	-9.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.30E-07**	**9.50E-07**	**4.80E-07**	**5.00E-07**	**5.20E-07**	**-7.30E-08**	**-1.10E-07**	**-8.67E-08**

Licensee Comments:

3Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

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 (ΔCDF)	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-1.70E-08
URI (ΔCDF)	-2.60E-08	-2.60E-08	-2.50E-08	-2.50E-08	-2.60E-08	-2.60E-08	-2.60E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.58E-08**	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**	**-3.58E-08**	**-3.58E-08**	**-3.58E-08**	**-6.10E-08**

Licensee Comments:

3Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

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 (ΔCDF)	7.10E-08	2.50E-08	3.60E-08	3.50E-08	3.90E-08	1.10E-08	-1.00E-07	-3.50E-08
URI (ΔCDF)	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-08**	**0.00E+00**	**1.10E-08**	**1.00E-08**	**1.40E-08**	**-1.40E-08**	**-1.25E-07**	**-7.80E-08**

Licensee Comments:

3Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

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	0.000325	0.000282	0.000288	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299
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**	**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	0.000299	0	0.000248	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	0.099	0.064	0.117	0.051	0.144	0.068	0.147	0.111	0.078	0.077	0.063	0.144
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**	**0.6**	**1.2**	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**
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	0.058	0.083	0.096	0.102	0.087	0.093	0.082	0.087	0.091	0.087	0.085	0.076
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**	**1.0**	**1.0**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**

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	36.0	35.0	38.0	57.0	0	23.0	48.0	50.0
Total opportunities	40.0	37.0	41.0	59.0	0	26.0	49.0	51.0
Indicator value	**92.4%**	**92.9%**	**92.4%**	**93.6%**	**93.6%**	**93.5%**	**94.3%**	**94.7%**

Licensee Comments: none

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	140.0	141.0	144.0	147.0	145.0	142.0	140.0	136.0
Total Key personnel	147.0	147.0	146.0	147.0	145.0	143.0	143.0	147.0
Indicator value	**95.2%**	**95.9%**	**98.6%**	**100.0%**	**100.0%**	**99.3%**	**97.9%**	**92.5%**

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	308	316	304	450	304	316	310	459
Total sirens-tests	318	318	318	477	318	318	318	477
Indicator value	**96.9%**	**97.2%**	**96.5%**	**96.3%**	**96.0%**	**96.0%**	**96.4%**	**97.1%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Security information not publicly available.

Last Modified: November 30, 2009

Millstone 3

4Q/2009 Performance Indicators

Licensee's General Comments: The Emergency Response Organization Drill Participation indicator data for September was revised due to a personal qualification error. The change did not result in the indicator crossing a threshold.

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	1.0	0	0	0	1.0
Critical hours	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

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	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	4.00E-07	1.30E-07	7.50E-08	9.40E-08	1.00E-07	1.00E-07	5.70E-08	1.10E-07
URI (ΔCDF)	-6.10E-07	-5.70E-07	-5.80E-07	-5.80E-07	-5.30E-07	-5.40E-07	-9.00E-08	-9.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-4.40E-07**	**-5.05E-07**	**-4.86E-07**	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**	**1.20E-08**

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 (ΔCDF)	3.00E-08	1.70E-08	2.90E-08	2.90E-08	1.40E-08	1.10E-08	-5.10E-09	-9.60E-09
URI (ΔCDF)	1.10E-07	1.20E-07	1.30E-07	1.40E-07	-1.70E-07	-1.70E-07	1.10E-07	1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.37E-07**	**1.59E-07**	**1.69E-07**	**-1.56E-07**	**-1.59E-07**	**1.05E-07**	**1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.40E-07	1.20E-07	1.40E-07	1.40E-07	3.70E-08	-4.90E-10	3.30E-09	-4.10E-08
URI (ΔCDF)	8.10E-07	3.60E-07	3.60E-07	3.80E-07	-1.10E-07	-1.10E-07	-9.00E-08	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.50E-07**	**4.80E-07**	**5.00E-07**	**5.20E-07**	**-7.30E-08**	**-1.10E-07**	**-8.67E-08**	**-1.34E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-9.80E-09	-1.70E-08	-1.70E-08
URI (ΔCDF)	-2.60E-08	-2.50E-08	-2.50E-08	-2.60E-08	-2.60E-08	-2.60E-08	-4.40E-08	-4.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.58E-08**	**-3.48E-08**	**-3.48E-08**	**-3.58E-08**	**-3.58E-08**	**-3.58E-08**	**-6.10E-08**	**-6.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	2.50E-08	3.60E-08	3.50E-08	3.90E-08	1.10E-08	-1.00E-07	-3.50E-08	-3.50E-08
URI (ΔCDF)	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-4.30E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**0.00E+00**	**1.10E-08**	**1.00E-08**	**1.40E-08**	**-1.40E-08**	**-1.25E-07**	**-7.80E-08**	**-7.80E-08**

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	0.000426	0.000408	0.000391	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299	0.000299	0	0.000248
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**	**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	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714
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**	**0**	**0**	**0**	**0**	**0**	**0**	**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	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	0.051	0.144	0.068	0.147	0.111	0.078	0.077	0.063	0.144	0.058	0.083	0.096
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	**0.5**	**1.4**	**0.7**	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**
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	0.102	0.087	0.093	0.082	0.087	0.091	0.087	0.085	0.076	0.077	0.084	0.086
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**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**

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	35.0	38.0	57.0	0	23.0	48.0	50.0	36.0
Total opportunities	37.0	41.0	59.0	0	26.0	49.0	51.0	37.0
Indicator value	**92.9%**	**92.4%**	**93.6%**	**93.6%**	**93.5%**	**94.3%**	**94.7%**	**95.7%**

Licensee Comments: none

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	141.0	144.0	147.0	145.0	142.0	140.0	136.0	145.0
Total Key personnel	147.0	146.0	147.0	145.0	143.0	143.0	146.0	145.0
Indicator value	**95.9%**	**98.6%**	**100.0%**	**100.0%**	**99.3%**	**97.9%**	**93.2%**	**100.0%**

Licensee Comments: none

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	316	304	450	304	316	310	459	314
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**97.2%**	**96.5%**	**96.3%**	**96.0%**	**96.0%**	**96.4%**	**97.1%**	**97.8%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Security information not publicly available.

Last Modified: January 22, 2010

Millstone 3

1Q/2010 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0	1.0	0
Critical hours	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7
Indicator value	**0**	**0**	**0.9**	**0.9**	**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	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	1.34E-07	7.53E-08	9.39E-08	1.01E-07	9.97E-08	5.70E-08	1.08E-07	7.84E-08
URI (ΔCDF)	-5.72E-07	-5.83E-07	-5.79E-07	-5.29E-07	-5.38E-07	-9.01E-08	-9.75E-08	2.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-5.10E-07**	**-4.90E-07**	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**	**1.10E-08**	**3.30E-07**

Licensee Comments:

1Q/10: Two issues on the diesel are being reviewed for MSPI impact. This review will be completed in the 2nd qtr.

3Q/09: Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

1Q/09: Changed the baseline for only 1 overhaul in 3 yr period. 'A' diesel effective 4th qtr 08 & 'B' diesel effective 2nd qtr 2008. The diesel remains within the green band.

4Q/07: PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02. The baseline unavailability was changed based on 2 overhauls in 3 year period and changes to the maintenance practices.

1Q/07: Adjusted baseline unavailability based on diesel overhauls.

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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 (ΔCDF)	1.72E-08	2.89E-08	2.89E-08	1.43E-08	1.06E-08	-5.06E-09	-9.58E-09	-1.09E-08
URI (ΔCDF)	1.24E-07	1.30E-07	1.37E-07	-1.75E-07	-1.71E-07	1.07E-07	1.09E-07	1.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.60E-07**	**1.70E-07**	**-1.60E-07**	**-1.60E-07**	**1.00E-07**	**1.00E-07**	**1.00E-07**

Licensee Comments:

3Q/09: Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

4Q/07: PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02. Updated the HPSI estimates based on changes in operational practices.

1Q/07: Adjusted demand estimates based on change of greater than 25%.

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 (ΔCDF)	1.18E-07	1.40E-07	1.39E-07	3.66E-08	-4.88E-10	3.35E-09	-4.06E-08	-5.13E-08
URI (ΔCDF)	3.63E-07	3.64E-07	3.75E-07	-1.14E-07	-1.14E-07	-8.95E-08	-9.26E-08	-9.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-07**	**5.00E-07**	**5.10E-07**	**-7.70E-08**	**-1.10E-07**	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**

Licensee Comments:

3Q/09: Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

4Q/08: Risk Cap Invoked.

4Q/07: PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

4Q/06: Changed PRA Parameter(s).

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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 (ΔCDF)	-9.77E-09	-9.77E-09	-9.77E-09	-9.77E-09	-9.77E-09	-1.74E-08	-1.74E-08	-1.74E-08
URI (ΔCDF)	-2.51E-08	-2.53E-08	-2.65E-08	-2.56E-08	-2.60E-08	-4.40E-08	-4.46E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.50E-08**	**-3.60E-08**	**-3.50E-08**	**-3.60E-08**	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**

Licensee Comments:

3Q/09: Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

4Q/07: PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

4Q/06: Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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 (ΔCDF)	3.57E-08	3.50E-08	3.91E-08	1.09E-08	-9.96E-08	-3.52E-08	-3.50E-08	-3.55E-08
URI (ΔCDF)	-2.49E-08	-2.49E-08	-2.49E-08	-2.49E-08	-2.49E-08	-4.27E-08	-4.27E-08	-4.27E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**1.00E-08**	**1.40E-08**	**-1.40E-08**	**-1.20E-07**	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**

Licensee Comments:

3Q/09: Revised PRA values based on PRA model revision dated 4/09. This was a periodic PRA model update.

4Q/07: PRA model updated in 3rd qtr and incorporated into the 4th qtr data per NEI 99-02.

4Q/06: Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

3Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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	0.000343	0.000348	0.000345	0.000402	0.000398	0.000299	0.000299	0	0.000248	0.000251	0.000442	0.000326
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**	**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	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900
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**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

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	0.147	0.111	0.078	0.077	0.063	0.144	0.058	0.083	0.096	0.102	0.087	0.093
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	**1.5**	**1.1**	**0.8**	**0.8**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**	**1.0**	**0.9**	**0.9**
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	0.082	0.087	0.091	0.087	0.085	0.076	0.077	0.084	0.086	0.100	0.101	0.096
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**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**

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	38.0	57.0	0	23.0	48.0	50.0	36.0	47.0
Total opportunities	41.0	59.0	0	26.0	49.0	51.0	37.0	49.0
Indicator value	**92.4%**	**93.6%**	**93.6%**	**93.5%**	**94.3%**	**94.7%**	**95.7%**	**95.8%**

Licensee Comments: none

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	144.0	147.0	145.0	142.0	140.0	136.0	145.0	139.0
Total Key personnel	146.0	147.0	145.0	143.0	143.0	146.0	145.0	139.0
Indicator value	**98.6%**	**100.0%**	**100.0%**	**99.3%**	**97.9%**	**93.2%**	**100.0%**	**100.0%**

Licensee Comments: none

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	304	450	304	316	310	459	314	312
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	**96.5%**	**96.3%**	**96.0%**	**96.0%**	**96.4%**	**97.1%**	**97.8%**	**97.5%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Security information not publicly available.

Last Modified: April 26, 2010

Millstone 3

2Q/2010 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0	1.0	0	2.0
Critical hours	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**2.8**

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	0	0	0	0	0	0
Critical hours	2208.0	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	7.53E-08	9.39E-08	1.01E-07	9.97E-08	5.70E-08	1.08E-07	7.84E-08	5.09E-08
URI (ΔCDF)	-5.83E-07	-5.79E-07	-5.29E-07	-5.38E-07	-9.01E-08	-9.75E-08	2.47E-07	2.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-07**	**-4.90E-07**	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**	**1.10E-08**	**3.30E-07**	**2.90E-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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	2.89E-08	2.89E-08	1.43E-08	1.06E-08	-5.06E-09	-9.58E-09	-1.09E-08	-1.01E-08
URI (ΔCDF)	1.30E-07	1.37E-07	-1.75E-07	-1.71E-07	1.07E-07	1.09E-07	1.12E-07	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-07**	**1.70E-07**	**-1.60E-07**	**-1.60E-07**	**1.00E-07**	**1.00E-07**	**1.00E-07**	**-3.00E-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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.40E-07	1.39E-07	3.66E-08	-4.88E-10	3.35E-09	-4.06E-08	-5.13E-08	-5.85E-08
URI (ΔCDF)	3.64E-07	3.75E-07	-1.14E-07	-1.14E-07	-8.95E-08	-9.26E-08	-9.32E-08	-9.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-07**	**5.10E-07**	**-7.70E-08**	**-1.10E-07**	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**	**-1.60E-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/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-9.77E-09	-9.77E-09	-9.77E-09	-9.77E-09	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08
URI (ΔCDF)	-2.53E-08	-2.65E-08	-2.56E-08	-2.60E-08	-4.40E-08	-4.46E-08	-4.40E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.60E-08**	**-3.50E-08**	**-3.60E-08**	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	3.50E-08	3.91E-08	1.09E-08	-9.96E-08	-3.52E-08	-3.50E-08	-3.55E-08	-4.20E-08
URI (ΔCDF)	-2.49E-08	-2.49E-08	-2.49E-08	-2.49E-08	-4.27E-08	-4.27E-08	-4.27E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-08**	**1.40E-08**	**-1.40E-08**	**-1.20E-07**	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**

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	0.000402	0.000398	0.000299	0.000299	0	0.000248	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429
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**	**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	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	0.077	0.063	0.144	0.058	0.083	0.096	0.102	0.087	0.093	0.082	0.087	0.091
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**	**0.6**	**1.4**	**0.6**	**0.8**	**1.0**	**1.0**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**
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	0.087	0.085	0.076	0.077	0.084	0.086	0.100	0.101	0.096	0.095	0.153	0.122
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	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**

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	57.0	0	23.0	48.0	50.0	36.0	47.0	35.0
Total opportunities	59.0	0	26.0	49.0	51.0	37.0	49.0	37.0
Indicator value	**93.6%**	**93.6%**	**93.5%**	**94.3%**	**94.7%**	**95.7%**	**95.8%**	**96.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	147.0	145.0	142.0	140.0	136.0	145.0	139.0	141.0
Total Key personnel	147.0	145.0	143.0	143.0	146.0	145.0	139.0	141.0
Indicator value	**100.0%**	**100.0%**	**99.3%**	**97.9%**	**93.2%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	450	304	316	310	459	314	312	312
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	**96.3%**	**96.0%**	**96.0%**	**96.4%**	**97.1%**	**97.8%**	**97.5%**	**97.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Security information not publicly available.

Last Modified: July 26, 2010

Millstone 3

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	1.0	0	0	0	1.0	0	1.0	0
Critical hours	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.9**	**1.9**

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	0	0	0	0	0	0	1.0
Critical hours	1194.9	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

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

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	1	0	0	0	0	0	0	2
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**2**

Licensee Comments:

3Q/10: LER 2008-005-01, and LER 2010-003-00

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 (ΔCDF)	9.39E-08	1.01E-07	9.97E-08	5.70E-08	1.08E-07	7.84E-08	5.09E-08	5.01E-08
URI (ΔCDF)	-5.79E-07	-5.29E-07	-5.38E-07	-9.01E-08	-9.75E-08	2.47E-07	2.36E-07	2.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.90E-07**	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**	**1.10E-08**	**3.30E-07**	**2.90E-07**	**2.90E-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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	2.89E-08	1.43E-08	1.06E-08	-5.06E-09	-9.58E-09	-1.09E-08	-1.01E-08	-9.17E-09
URI (ΔCDF)	1.37E-07	-1.75E-07	-1.71E-07	1.07E-07	1.09E-07	1.12E-07	-1.94E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**-1.60E-07**	**-1.60E-07**	**1.00E-07**	**1.00E-07**	**1.00E-07**	**-3.00E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.39E-07	3.66E-08	-4.88E-10	3.35E-09	-4.06E-08	-5.13E-08	-5.85E-08	-2.70E-08
URI (ΔCDF)	3.75E-07	-1.14E-07	-1.14E-07	-8.95E-08	-9.26E-08	-9.32E-08	-9.74E-08	-1.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-07**	**-7.70E-08**	**-1.10E-07**	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-9.77E-09	-9.77E-09	-9.77E-09	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08
URI (ΔCDF)	-2.65E-08	-2.56E-08	-2.60E-08	-4.40E-08	-4.46E-08	-4.40E-08	-4.70E-08	-4.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-3.50E-08**	**-3.60E-08**	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	3.91E-08	1.09E-08	-9.96E-08	-3.52E-08	-3.50E-08	-3.55E-08	-4.20E-08	-4.30E-08
URI (ΔCDF)	-2.49E-08	-2.49E-08	-2.49E-08	-4.27E-08	-4.27E-08	-4.27E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**-1.40E-08**	**-1.20E-07**	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**

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	0.000299	0	0.000248	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303
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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.058	0.083	0.096	0.102	0.087	0.093	0.082	0.087	0.091	0.087	0.085	0.076
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**	**1.0**	**1.0**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**
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	0.077	0.084	0.086	0.100	0.101	0.096	0.095	0.153	0.122	0.078	0.133	0.117
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**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**

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	0	23.0	48.0	50.0	36.0	47.0	35.0	24.0
Total opportunities	0	26.0	49.0	51.0	37.0	49.0	37.0	25.0
Indicator value	**93.6%**	**93.5%**	**94.3%**	**94.7%**	**95.7%**	**95.8%**	**96.1%**	**96.0%**

Licensee Comments: none

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	145.0	142.0	140.0	136.0	145.0	139.0	141.0	138.0
Total Key personnel	145.0	143.0	143.0	146.0	145.0	139.0	141.0	138.0
Indicator value	**100.0%**	**99.3%**	**97.9%**	**93.2%**	**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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	304	316	310	459	314	312	312	473
Total sirens-tests	318	318	318	477	318	318	318	474
Indicator value	**96.0%**	**96.0%**	**96.4%**	**97.1%**	**97.8%**	**97.5%**	**97.6%**	**98.8%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Security information not publicly available.

Last Modified: October 25, 2010

Millstone 3

4Q/2010 Performance Indicators

Licensee's General Comments: none

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	1.0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.9**	**1.9**	**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	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	0	0	2	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.01E-07	9.97E-08	5.70E-08	1.08E-07	7.84E-08	5.09E-08	5.01E-08	-3.66E-08
URI (ΔCDF)	-5.29E-07	-5.38E-07	-9.01E-08	-9.75E-08	2.47E-07	2.36E-07	2.40E-07	8.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-07**	**-4.40E-07**	**-3.30E-08**	**1.10E-08**	**3.30E-07**	**2.90E-07**	**2.90E-07**	**-2.80E-08**

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 (ΔCDF)	1.43E-08	1.06E-08	-5.06E-09	-9.58E-09	-1.09E-08	-1.01E-08	-9.17E-09	5.59E-09
URI (ΔCDF)	-1.75E-07	-1.71E-07	1.07E-07	1.09E-07	1.12E-07	-1.94E-08	-1.69E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**1.00E-07**	**1.00E-07**	**1.00E-07**	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**

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 (ΔCDF)	3.66E-08	-4.88E-10	3.35E-09	-4.06E-08	-5.13E-08	-5.85E-08	-2.70E-08	-1.60E-08
URI (ΔCDF)	-1.14E-07	-1.14E-07	-8.95E-08	-9.26E-08	-9.32E-08	-9.74E-08	-1.03E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.70E-08**	**-1.10E-07**	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-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/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-9.77E-09	-9.77E-09	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	2.22E-08
URI (ΔCDF)	-2.56E-08	-2.60E-08	-4.40E-08	-4.46E-08	-4.40E-08	-4.70E-08	-4.68E-08	-4.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.60E-08**	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.09E-08	-9.96E-08	-3.52E-08	-3.50E-08	-3.55E-08	-4.20E-08	-4.30E-08	-4.30E-08
URI (ΔCDF)	-2.49E-08	-2.49E-08	-4.27E-08	-4.27E-08	-4.27E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-1.20E-07**	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**

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	0.000251	0.000442	0.000326	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356
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	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.102	0.087	0.093	0.082	0.087	0.091	0.087	0.085	0.076	0.077	0.084	0.086
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**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**
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	0.100	0.101	0.096	0.095	0.153	0.122	0.078	0.133	0.117	0.095	0.071	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	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**

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	23.0	48.0	50.0	36.0	47.0	35.0	24.0	41.0
Total opportunities	26.0	49.0	51.0	37.0	49.0	37.0	25.0	43.0
Indicator value	**93.5%**	**94.3%**	**94.7%**	**95.7%**	**95.8%**	**96.1%**	**96.0%**	**95.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	142.0	140.0	136.0	145.0	139.0	141.0	138.0	138.0
Total Key personnel	143.0	143.0	146.0	145.0	139.0	141.0	138.0	138.0
Indicator value	**99.3%**	**97.9%**	**93.2%**	**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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	316	310	459	314	312	312	473	553
Total sirens-tests	318	318	477	318	318	318	474	553
Indicator value	**96.0%**	**96.4%**	**97.1%**	**97.8%**	**97.5%**	**97.6%**	**98.8%**	**99.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: January 24, 2011

Millstone 3

1Q/2011 Performance Indicators

Licensee's General Comments: none

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	1.0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.9**	**1.9**	**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	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0
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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	0	0	2	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**2**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	9.97E-08	5.70E-08	1.08E-07	7.84E-08	5.09E-08	5.01E-08	-3.66E-08	-3.66E-08
URI (ΔCDF)	-5.38E-07	-9.01E-08	-9.75E-08	2.47E-07	2.36E-07	2.40E-07	8.60E-09	2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-3.30E-08**	**1.10E-08**	**3.30E-07**	**2.90E-07**	**2.90E-07**	**-2.80E-08**	**-9.40E-09**

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 (ΔCDF)	1.06E-08	-5.06E-09	-9.58E-09	-1.09E-08	-1.01E-08	-9.17E-09	5.59E-09	-2.87E-09
URI (ΔCDF)	-1.71E-07	1.07E-07	1.09E-07	1.12E-07	-1.94E-08	-1.69E-08	-1.55E-08	-1.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**1.00E-07**	**1.00E-07**	**1.00E-07**	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**	**-1.70E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-4.88E-10	3.35E-09	-4.06E-08	-5.13E-08	-5.85E-08	-2.70E-08	-1.60E-08	-1.09E-08
URI (ΔCDF)	-1.14E-07	-8.95E-08	-9.26E-08	-9.32E-08	-9.74E-08	-1.03E-07	-1.02E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.10E-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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-9.77E-09	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	2.22E-08	1.60E-08
URI (ΔCDF)	-2.60E-08	-4.40E-08	-4.46E-08	-4.40E-08	-4.70E-08	-4.68E-08	-4.79E-08	-4.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-9.96E-08	-3.52E-08	-3.50E-08	-3.55E-08	-4.20E-08	-4.30E-08	-4.30E-08	-4.30E-08
URI (ΔCDF)	-2.49E-08	-4.27E-08	-4.27E-08	-4.27E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**

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	0.000320	0.000339	0.000429	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900
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**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

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	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378
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	**0.1**	**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	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.082	0.087	0.091	0.087	0.085	0.076	0.077	0.084	0.086	0.100	0.101	0.096
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**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**
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	0.095	0.153	0.122	0.078	0.133	0.117	0.095	0.071	0.074	0.084	0.091	0.081
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**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**

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	48.0	50.0	36.0	47.0	35.0	24.0	41.0	31.0
Total opportunities	49.0	51.0	37.0	49.0	37.0	25.0	43.0	31.0
Indicator value	**94.3%**	**94.7%**	**95.7%**	**95.8%**	**96.1%**	**96.0%**	**95.9%**	**96.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	140.0	136.0	145.0	139.0	141.0	138.0	138.0	138.0
Total Key personnel	143.0	146.0	145.0	139.0	141.0	138.0	138.0	138.0
Indicator value	**97.9%**	**93.2%**	**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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	310	459	314	312	312	473	553	474
Total sirens-tests	318	477	318	318	318	474	553	474
Indicator value	**96.4%**	**97.1%**	**97.8%**	**97.5%**	**97.6%**	**98.8%**	**99.2%**	**99.6%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Security information not publicly available.

Last Modified: May 4, 2011

Millstone 3

2Q/2011 Performance Indicators

Licensee's General Comments: none

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	1.0	0	1.0	0	0	0	0
Critical hours	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.9**	**1.9**	**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	0	0	0	1.0	0	0	0
Critical hours	2208.0	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

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	0	0	0	2	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**2**	**2**	**2**	**2**

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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	5.70E-08	1.08E-07	7.84E-08	5.09E-08	5.01E-08	-3.66E-08	-3.66E-08	-3.66E-08
URI (ΔCDF)	-9.01E-08	-9.75E-08	2.47E-07	2.36E-07	2.40E-07	8.60E-09	2.72E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**1.10E-08**	**3.30E-07**	**2.90E-07**	**2.90E-07**	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**

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 (ΔCDF)	-5.06E-09	-9.58E-09	-1.09E-08	-1.01E-08	-9.17E-09	5.59E-09	-2.87E-09	1.03E-09
URI (ΔCDF)	1.07E-07	1.09E-07	1.12E-07	-1.94E-08	-1.69E-08	-1.55E-08	-1.41E-08	-1.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.00E-07**	**1.00E-07**	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**	**-1.70E-08**	**-1.20E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	3.35E-09	-4.06E-08	-5.13E-08	-5.85E-08	-2.70E-08	-1.60E-08	-1.09E-08	-2.33E-09
URI (ΔCDF)	-8.95E-08	-9.26E-08	-9.32E-08	-9.74E-08	-1.03E-07	-1.02E-07	-1.00E-07	1.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-1.30E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.10E-07**	**1.70E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	2.22E-08	1.60E-08	1.60E-08
URI (ΔCDF)	-4.40E-08	-4.46E-08	-4.40E-08	-4.70E-08	-4.68E-08	-4.79E-08	-4.77E-08	-4.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-3.52E-08	-3.50E-08	-3.55E-08	-4.20E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08
URI (ΔCDF)	-4.27E-08	-4.27E-08	-4.27E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**

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	0.000436	0.000500	0.001033	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.087	0.085	0.076	0.077	0.084	0.086	0.100	0.101	0.096	0.095	0.153	0.122
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	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**
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	0.078	0.133	0.117	0.095	0.071	0.074	0.084	0.091	0.081	0.081	0.111	0.082
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**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**

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	50.0	36.0	47.0	35.0	24.0	41.0	31.0	41.0
Total opportunities	51.0	37.0	49.0	37.0	25.0	43.0	31.0	44.0
Indicator value	**94.7%**	**95.7%**	**95.8%**	**96.1%**	**96.0%**	**95.9%**	**96.9%**	**96.2%**

Licensee Comments: none

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	136.0	145.0	139.0	141.0	138.0	138.0	138.0	137.0
Total Key personnel	146.0	145.0	139.0	141.0	138.0	138.0	138.0	137.0
Indicator value	**93.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	459	314	312	312	473	553	474	553
Total sirens-tests	477	318	318	318	474	553	474	553
Indicator value	**97.1%**	**97.8%**	**97.5%**	**97.6%**	**98.8%**	**99.2%**	**99.6%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Security information not publicly available.

Last Modified: July 22, 2011

Millstone 3

3Q/2011 Performance Indicators

Licensee's General Comments: none

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	1.0	0	1.0	0	0	0	0	0
Critical hours	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0.8**	**1.9**	**1.9**	**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	0	0	0	1.0	0	0	0	0
Critical hours	1919.9	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**

Licensee Comments: none

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

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	0	0	0	2	0	0	0	0
Indicator value	**0**	**0**	**0**	**2**	**2**	**2**	**2**	**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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.08E-07	7.84E-08	5.09E-08	5.01E-08	-3.66E-08	-3.66E-08	-3.66E-08	6.57E-09
URI (ΔCDF)	-9.75E-08	2.47E-07	2.36E-07	2.40E-07	8.60E-09	2.72E-08	2.29E-08	2.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**3.30E-07**	**2.90E-07**	**2.90E-07**	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**	**3.50E-08**

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 (ΔCDF)	-9.58E-09	-1.09E-08	-1.01E-08	-9.17E-09	5.59E-09	-2.87E-09	1.03E-09	-3.08E-09
URI (ΔCDF)	1.09E-07	1.12E-07	-1.94E-08	-1.69E-08	-1.55E-08	-1.41E-08	-1.26E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.00E-07**	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**	**-1.70E-08**	**-1.20E-08**	**-1.40E-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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-4.06E-08	-5.13E-08	-5.85E-08	-2.70E-08	-1.60E-08	-1.09E-08	-2.33E-09	-1.88E-08
URI (ΔCDF)	-9.26E-08	-9.32E-08	-9.74E-08	-1.03E-07	-1.02E-07	-1.00E-07	1.75E-07	1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.10E-07**	**1.70E-07**	**1.60E-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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-1.74E-08	-1.74E-08	-1.74E-08	-1.74E-08	2.22E-08	1.60E-08	1.60E-08	5.71E-08
URI (ΔCDF)	-4.46E-08	-4.40E-08	-4.70E-08	-4.68E-08	-4.79E-08	-4.77E-08	-4.83E-08	-4.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**	**8.60E-09**

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 (ΔCDF)	-3.50E-08	-3.55E-08	-4.20E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08
URI (ΔCDF)	-4.27E-08	-4.27E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**

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	0.000591	0.000583	0.000714	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303
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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455
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**	**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	0.077	0.084	0.086	0.100	0.101	0.096	0.095	0.153	0.122	0.078	0.133	0.117
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**	**0.8**	**0.9**	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**
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	0.095	0.071	0.074	0.084	0.091	0.081	0.081	0.111	0.082	0.080	0.095	0.096
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**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**

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	36.0	47.0	35.0	24.0	41.0	31.0	41.0	43.0
Total opportunities	37.0	49.0	37.0	25.0	43.0	31.0	44.0	43.0
Indicator value	**95.7%**	**95.8%**	**96.1%**	**96.0%**	**95.9%**	**96.9%**	**96.2%**	**96.4%**

Licensee Comments: none

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	145.0	139.0	141.0	138.0	138.0	138.0	137.0	139.0
Total Key personnel	145.0	139.0	141.0	138.0	138.0	138.0	137.0	139.0
Indicator value	**100.0%**	**100.0%**	**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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	314	312	312	473	553	474	553	474
Total sirens-tests	318	318	318	474	553	474	553	474
Indicator value	**97.8%**	**97.5%**	**97.6%**	**98.8%**	**99.2%**	**99.6%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Security information not publicly available.

Last Modified: November 29, 2011

Millstone 3

4Q/2011 Performance Indicators

Licensee's General Comments: none

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	1.0
Critical hours	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5
Indicator value	**0.8**	**1.9**	**1.9**	**0.9**	**0.9**	**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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2048.7	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

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

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	2	0	0	0	0	0
Indicator value	**0**	**0**	**2**	**2**	**2**	**2**	**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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	7.84E-08	5.09E-08	5.01E-08	-3.66E-08	-3.66E-08	-3.66E-08	6.57E-09	4.15E-08
URI (ΔCDF)	2.47E-07	2.36E-07	2.40E-07	8.60E-09	2.72E-08	2.29E-08	2.85E-08	2.66E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-07**	**2.90E-07**	**2.90E-07**	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**	**3.50E-08**	**6.80E-08**

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 (ΔCDF)	-1.09E-08	-1.01E-08	-9.17E-09	5.59E-09	-2.87E-09	1.03E-09	-3.08E-09	-3.01E-09
URI (ΔCDF)	1.12E-07	-1.94E-08	-1.69E-08	-1.55E-08	-1.41E-08	-1.26E-08	-1.10E-08	-9.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**	**-1.70E-08**	**-1.20E-08**	**-1.40E-08**	**-1.20E-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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-5.13E-08	-5.85E-08	-2.70E-08	-1.60E-08	-1.09E-08	-2.33E-09	-1.88E-08	-2.35E-09
URI (ΔCDF)	-9.32E-08	-9.74E-08	-1.03E-07	-1.02E-07	-1.00E-07	1.75E-07	1.80E-07	1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.10E-07**	**1.70E-07**	**1.60E-07**	**1.60E-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/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.74E-08	-1.74E-08	-1.74E-08	2.22E-08	1.60E-08	1.60E-08	5.71E-08	5.74E-08
URI (ΔCDF)	-4.40E-08	-4.70E-08	-4.68E-08	-4.79E-08	-4.77E-08	-4.83E-08	-4.85E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**	**8.60E-09**	**1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-3.55E-08	-4.20E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.25E-08
URI (ΔCDF)	-4.27E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**

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	0.000775	0.000811	0.001900	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356
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	**0.1**	**0.1**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.100	0.101	0.096	0.095	0.153	0.122	0.078	0.133	0.117	0.095	0.071	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	**1.0**	**1.0**	**1.0**	**1.0**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**
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	0.084	0.091	0.081	0.081	0.111	0.082	0.080	0.095	0.096	0.113	0.047	0.092
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**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**

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	47.0	35.0	24.0	41.0	31.0	41.0	43.0	27.0
Total opportunities	49.0	37.0	25.0	43.0	31.0	44.0	43.0	27.0
Indicator value	**95.8%**	**96.1%**	**96.0%**	**95.9%**	**96.9%**	**96.2%**	**96.4%**	**96.7%**

Licensee Comments: none

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	139.0	141.0	138.0	138.0	138.0	137.0	139.0	137.0
Total Key personnel	139.0	141.0	138.0	138.0	138.0	137.0	139.0	137.0
Indicator value	**100.0%**	**100.0%**	**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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	312	312	473	553	474	553	474	553
Total sirens-tests	318	318	474	553	474	553	474	553
Indicator value	**97.5%**	**97.6%**	**98.8%**	**99.2%**	**99.6%**	**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	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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Security information not publicly available.

Last Modified: February 2, 2012

Millstone 3

1Q/2012 Performance Indicators

Licensee's General Comments: none

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	1.0	0
Critical hours	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0
Indicator value	**1.9**	**1.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	1.0	0	0	0	0	0	1.0
Critical hours	1313.2	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	2	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**0**	**0**	**0**

Licensee Comments:

3Q/10: LER 2008-005-01, and LER 2010-003-00

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 (ΔCDF)	5.09E-08	5.01E-08	-3.66E-08	-3.66E-08	-3.66E-08	6.57E-09	4.15E-08	6.30E-08
URI (ΔCDF)	2.36E-07	2.40E-07	8.60E-09	2.72E-08	2.29E-08	2.85E-08	2.66E-08	2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**2.90E-07**	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**	**3.50E-08**	**6.80E-08**	**9.20E-08**

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 (ΔCDF)	-1.01E-08	-9.17E-09	5.59E-09	-2.87E-09	1.03E-09	-3.08E-09	-3.01E-09	6.44E-09
URI (ΔCDF)	-1.94E-08	-1.69E-08	-1.55E-08	-1.41E-08	-1.26E-08	-1.10E-08	-9.34E-09	-7.58E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-2.60E-08**	**-9.90E-09**	**-1.70E-08**	**-1.20E-08**	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**

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 (ΔCDF)	-5.85E-08	-2.70E-08	-1.60E-08	-1.09E-08	-2.33E-09	-1.88E-08	-2.35E-09	2.55E-08
URI (ΔCDF)	-9.74E-08	-1.03E-07	-1.02E-07	-1.00E-07	1.75E-07	1.80E-07	1.63E-07	1.57E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.30E-07**	**-1.20E-07**	**-1.10E-07**	**1.70E-07**	**1.60E-07**	**1.60E-07**	**1.80E-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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-1.74E-08	-1.74E-08	2.22E-08	1.60E-08	1.60E-08	5.71E-08	5.74E-08	7.97E-08
URI (ΔCDF)	-4.70E-08	-4.68E-08	-4.79E-08	-4.77E-08	-4.83E-08	-4.85E-08	-4.40E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**	**8.60E-09**	**1.30E-08**	**3.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-4.20E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.25E-08	-4.25E-08
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**

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	0.000835	0.000234	0.000219	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378
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	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188
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**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.095	0.153	0.122	0.078	0.133	0.117	0.095	0.071	0.074	0.084	0.091	0.081
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**	**1.5**	**1.2**	**0.8**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.081	0.111	0.082	0.080	0.095	0.096	0.113	0.047	0.092	0.050	0.036	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	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**

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	35.0	24.0	41.0	31.0	41.0	43.0	27.0	34.0
Total opportunities	37.0	25.0	43.0	31.0	44.0	43.0	27.0	34.0
Indicator value	**96.1%**	**96.0%**	**95.9%**	**96.9%**	**96.2%**	**96.4%**	**96.7%**	**97.2%**

Licensee Comments: none

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	141.0	138.0	138.0	138.0	137.0	139.0	137.0	138.0
Total Key personnel	141.0	138.0	138.0	138.0	137.0	139.0	137.0	138.0
Indicator value	**100.0%**	**100.0%**	**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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	312	473	553	474	553	474	553	474
Total sirens-tests	318	474	553	474	553	474	553	474
Indicator value	**97.6%**	**98.8%**	**99.2%**	**99.6%**	**100.0%**	**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	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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Millstone 3

2Q/2012 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0
Critical hours	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0
Indicator value	**1.9**	**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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	1.0	0	0	0	0	0	1.0	0
Critical hours	2151.3	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**0.9**	**0.9**

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

Licensee Comments:

3Q/10: LER 2008-005-01, and LER 2010-003-00

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)	5.01E-08	-3.66E-08	-3.66E-08	-3.66E-08	6.57E-09	4.15E-08	6.30E-08	6.66E-08
URI (ΔCDF)	2.40E-07	8.60E-09	2.72E-08	2.29E-08	2.85E-08	2.66E-08	2.89E-08	1.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**	**3.50E-08**	**6.80E-08**	**9.20E-08**	**8.60E-08**

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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-9.17E-09	5.59E-09	-2.87E-09	1.03E-09	-3.08E-09	-3.01E-09	6.44E-09	1.48E-08
URI (ΔCDF)	-1.69E-08	-1.55E-08	-1.41E-08	-1.26E-08	-1.10E-08	-9.34E-09	-7.58E-09	-5.71E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-9.90E-09**	**-1.70E-08**	**-1.20E-08**	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**	**9.10E-09**

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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.70E-08	-1.60E-08	-1.09E-08	-2.33E-09	-1.88E-08	-2.35E-09	2.55E-08	1.38E-08
URI (ΔCDF)	-1.03E-07	-1.02E-07	-1.00E-07	1.75E-07	1.80E-07	1.63E-07	1.57E-07	1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.20E-07**	**-1.10E-07**	**1.70E-07**	**1.60E-07**	**1.60E-07**	**1.80E-07**	**1.80E-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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.74E-08	2.22E-08	1.60E-08	1.60E-08	5.71E-08	5.74E-08	7.97E-08	7.97E-08
URI (ΔCDF)	-4.68E-08	-4.79E-08	-4.77E-08	-4.83E-08	-4.85E-08	-4.40E-08	-4.54E-08	-4.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**	**8.60E-09**	**1.30E-08**	**3.40E-08**	**3.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.25E-08	-4.25E-08	-4.25E-08
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**

Licensee Comments: none

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	0.000261	0.000294	0.000303	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241
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**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.078	0.133	0.117	0.095	0.071	0.074	0.084	0.091	0.081	0.081	0.111	0.082
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**	**1.3**	**1.2**	**1.0**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**
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	0.080	0.095	0.096	0.113	0.047	0.092	0.050	0.036	0.079	0.038	0.066	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	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**

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	24.0	41.0	31.0	41.0	43.0	27.0	34.0	32.0
Total opportunities	25.0	43.0	31.0	44.0	43.0	27.0	34.0	32.0
Indicator value	**96.0%**	**95.9%**	**96.9%**	**96.2%**	**96.4%**	**96.7%**	**97.2%**	**97.8%**

Licensee Comments: none

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	138.0	138.0	138.0	137.0	139.0	137.0	138.0	133.0
Total Key personnel	138.0	138.0	138.0	137.0	139.0	137.0	138.0	133.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	473	553	474	553	474	553	474	473
Total sirens-tests	474	553	474	553	474	553	474	474
Indicator value	**98.8%**	**99.2%**	**99.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

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.

Millstone 3

3Q/2012 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

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	0	0	0	1.0	0	1.0
Critical hours	2209.0	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**	**0.9**	**0.9**	**1.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**2**	**2**	**2**	**0**	**0**	**0**	**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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-3.66E-08	-3.66E-08	-3.66E-08	6.57E-09	4.15E-08	6.30E-08	6.66E-08	7.65E-08
URI (ΔCDF)	8.60E-09	2.72E-08	2.29E-08	2.85E-08	2.66E-08	2.89E-08	1.92E-08	1.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-9.40E-09**	**-1.40E-08**	**3.50E-08**	**6.80E-08**	**9.20E-08**	**8.60E-08**	**8.90E-08**

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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	5.59E-09	-2.87E-09	1.03E-09	-3.08E-09	-3.01E-09	6.44E-09	1.48E-08	8.79E-09
URI (ΔCDF)	-1.55E-08	-1.41E-08	-1.26E-08	-1.10E-08	-9.34E-09	-7.58E-09	-5.71E-09	-3.73E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**-1.70E-08**	**-1.20E-08**	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**	**9.10E-09**	**5.10E-09**

Licensee Comments: none

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 (ΔCDF)	-1.60E-08	-1.09E-08	-2.33E-09	-1.88E-08	-2.35E-09	2.55E-08	1.38E-08	5.75E-09
URI (ΔCDF)	-1.02E-07	-1.00E-07	1.75E-07	1.80E-07	1.63E-07	1.57E-07	1.63E-07	1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.10E-07**	**1.70E-07**	**1.60E-07**	**1.60E-07**	**1.80E-07**	**1.80E-07**	**1.70E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	2.22E-08	1.60E-08	1.60E-08	5.71E-08	5.74E-08	7.97E-08	7.97E-08	6.28E-08
URI (ΔCDF)	-4.79E-08	-4.77E-08	-4.83E-08	-4.85E-08	-4.40E-08	-4.54E-08	-4.42E-08	-4.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-3.20E-08**	**-3.20E-08**	**8.60E-09**	**1.30E-08**	**3.40E-08**	**3.50E-08**	**1.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**

Licensee Comments: none

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	0.000342	0.000336	0.000356	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455
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**	**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	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223
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	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.095	0.071	0.074	0.084	0.091	0.081	0.081	0.111	0.082	0.080	0.095	0.096
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**	**0.7**	**0.7**	**0.8**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**
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	0.113	0.047	0.092	0.050	0.036	0.079	0.038	0.066	0.050	0.031	0.070	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	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**

Licensee Comments: none

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	41.0	31.0	41.0	43.0	27.0	34.0	32.0	58.0
Total opportunities	43.0	31.0	44.0	43.0	27.0	34.0	32.0	59.0
Indicator value	**95.9%**	**96.9%**	**96.2%**	**96.4%**	**96.7%**	**97.2%**	**97.8%**	**98.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	138.0	138.0	137.0	139.0	137.0	138.0	133.0	132.0
Total Key personnel	138.0	138.0	137.0	139.0	137.0	138.0	133.0	132.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	474	553	474	473	474
Total sirens-tests	553	474	553	474	553	474	474	474
Indicator value	**99.2%**	**99.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: October 24, 2012

Millstone 3

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0.9**	**0.9**	**1.8**	**1.6**

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	**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)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**2**	**2**	**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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-3.66E-08	-3.66E-08	6.57E-09	4.15E-08	6.30E-08	6.66E-08	7.65E-08	4.65E-08
URI (ΔCDF)	2.72E-08	2.29E-08	2.85E-08	2.66E-08	2.89E-08	1.92E-08	1.23E-08	1.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.40E-09**	**-1.40E-08**	**3.50E-08**	**6.80E-08**	**9.20E-08**	**8.60E-08**	**8.90E-08**	**1.60E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-2.87E-09	1.03E-09	-3.08E-09	-3.01E-09	6.44E-09	1.48E-08	8.79E-09	4.14E-09
URI (ΔCDF)	-1.41E-08	-1.26E-08	-1.10E-08	-9.34E-09	-7.58E-09	-5.71E-09	-3.73E-09	9.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-1.20E-08**	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**	**9.10E-09**	**5.10E-09**	**1.00E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-1.09E-08	-2.33E-09	-1.88E-08	-2.35E-09	2.55E-08	1.38E-08	5.75E-09	5.61E-09
URI (ΔCDF)	-1.00E-07	1.75E-07	1.80E-07	1.63E-07	1.57E-07	1.63E-07	1.63E-07	4.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**1.70E-07**	**1.60E-07**	**1.60E-07**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**5.00E-08**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	1.60E-08	1.60E-08	5.71E-08	5.74E-08	7.97E-08	7.97E-08	6.28E-08	4.52E-08
URI (ΔCDF)	-4.77E-08	-4.83E-08	-4.85E-08	-4.40E-08	-4.54E-08	-4.42E-08	-4.52E-08	-3.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-3.20E-08**	**8.60E-09**	**1.30E-08**	**3.40E-08**	**3.50E-08**	**1.80E-08**	**9.00E-09**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-1.65E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000375	0.000380	0.000378	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**
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	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251
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**	**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	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.084	0.091	0.081	0.081	0.111	0.082	0.080	0.095	0.096	0.113	0.047	0.092
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**	**0.9**	**0.8**	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**
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	0.050	0.036	0.079	0.038	0.066	0.050	0.031	0.070	0.040	0.036	0.032	0.045
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	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**

Licensee Comments: none

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	41.0	43.0	27.0	34.0	32.0	58.0	20.0
Total opportunities	31.0	44.0	43.0	27.0	34.0	32.0	59.0	21.0
Indicator value	**96.9%**	**96.2%**	**96.4%**	**96.7%**	**97.2%**	**97.8%**	**98.1%**	**98.3%**

Licensee Comments: none

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	138.0	137.0	139.0	137.0	138.0	133.0	132.0	129.0
Total Key personnel	138.0	137.0	139.0	137.0	138.0	133.0	132.0	129.0
Indicator value	**100.0%**	**100.0%**	**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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	474	553	474	553	474	473	474	552
Total sirens-tests	474	553	474	553	474	474	474	553
Indicator value	**99.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**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	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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Last Modified: January 23, 2013

Millstone 3

1Q/2013 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 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	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

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	0	0	0	1.0	0	1.0	0	0
Critical hours	2184.0	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0**	**0**	**0.9**	**0.9**	**1.8**	**1.6**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	0	0	1	0	0	1
Indicator value	**2**	**0**	**0**	**0**	**1**	**1**	**1**	**2**

Licensee Comments:

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	-3.66E-08	6.57E-09	4.15E-08	6.30E-08	6.66E-08	7.65E-08	4.65E-08	2.77E-08
URI (ΔCDF)	2.29E-08	2.85E-08	2.66E-08	2.89E-08	1.92E-08	1.23E-08	1.12E-07	-2.19E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**3.50E-08**	**6.80E-08**	**9.20E-08**	**8.60E-08**	**8.90E-08**	**1.60E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	1.03E-09	-3.08E-09	-3.01E-09	6.44E-09	1.48E-08	8.79E-09	4.14E-09	4.22E-09
URI (ΔCDF)	-1.26E-08	-1.10E-08	-9.34E-09	-7.58E-09	-5.71E-09	-3.73E-09	9.71E-08	9.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**	**9.10E-09**	**5.10E-09**	**1.00E-07**	**1.00E-07**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-2.33E-09	-1.88E-08	-2.35E-09	2.55E-08	1.38E-08	5.75E-09	5.61E-09	5.45E-09
URI (ΔCDF)	1.75E-07	1.80E-07	1.63E-07	1.57E-07	1.63E-07	1.63E-07	4.46E-08	4.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**1.60E-07**	**1.60E-07**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**5.00E-08**	**5.00E-08**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	1.60E-08	5.71E-08	5.74E-08	7.97E-08	7.97E-08	6.28E-08	4.52E-08	3.94E-08
URI (ΔCDF)	-4.83E-08	-4.85E-08	-4.40E-08	-4.54E-08	-4.42E-08	-4.52E-08	-3.62E-08	-3.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**8.60E-09**	**1.30E-08**	**3.40E-08**	**3.50E-08**	**1.80E-08**	**9.00E-09**	**2.60E-09**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.30E-08	-4.30E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-1.65E-07	-1.65E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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	0.000409	0.000415	0.000412	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188
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**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.081	0.111	0.082	0.080	0.095	0.096	0.113	0.047	0.092	0.050	0.036	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	**0.8**	**1.1**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**
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	0.038	0.066	0.050	0.031	0.070	0.040	0.036	0.032	0.045	0.044	0.040	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	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

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	41.0	43.0	27.0	34.0	32.0	58.0	20.0	35.0
Total opportunities	44.0	43.0	27.0	34.0	32.0	59.0	21.0	35.0
Indicator value	**96.2%**	**96.4%**	**96.7%**	**97.2%**	**97.8%**	**98.1%**	**98.3%**	**98.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	137.0	139.0	137.0	138.0	133.0	132.0	129.0	129.0
Total Key personnel	137.0	139.0	137.0	138.0	133.0	132.0	129.0	129.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	474	473	474	552	474
Total sirens-tests	553	474	553	474	474	474	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: April 23, 2013

Millstone 3

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	0	1.0	0	0	0
Critical hours	2208.0	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2
Indicator value	**0**	**0**	**0.9**	**0.9**	**1.8**	**1.6**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	0	1	0	0	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**1**

Licensee Comments:

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	6.57E-09	4.15E-08	6.30E-08	6.66E-08	7.65E-08	4.65E-08	2.77E-08	3.57E-08
URI (ΔCDF)	2.85E-08	2.66E-08	2.89E-08	1.92E-08	1.23E-08	1.12E-07	-2.19E-07	-2.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.50E-08**	**6.80E-08**	**9.20E-08**	**8.60E-08**	**8.90E-08**	**1.60E-07**	**-1.90E-07**	**-1.80E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-3.08E-09	-3.01E-09	6.44E-09	1.48E-08	8.79E-09	4.14E-09	4.22E-09	3.64E-09
URI (ΔCDF)	-1.10E-08	-9.34E-09	-7.58E-09	-5.71E-09	-3.73E-09	9.71E-08	9.80E-08	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-1.20E-08**	**-1.10E-09**	**9.10E-09**	**5.10E-09**	**1.00E-07**	**1.00E-07**	**-1.00E-07**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-1.88E-08	-2.35E-09	2.55E-08	1.38E-08	5.75E-09	5.61E-09	5.45E-09	5.03E-09
URI (ΔCDF)	1.80E-07	1.63E-07	1.57E-07	1.63E-07	1.63E-07	4.46E-08	4.47E-08	4.27E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-07**	**1.60E-07**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**5.00E-08**	**5.00E-08**	**4.80E-08**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	5.71E-08	5.74E-08	7.97E-08	7.97E-08	6.28E-08	4.52E-08	3.94E-08	4.04E-08
URI (ΔCDF)	-4.85E-08	-4.40E-08	-4.54E-08	-4.42E-08	-4.52E-08	-3.62E-08	-3.68E-08	-3.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-09**	**1.30E-08**	**3.40E-08**	**3.50E-08**	**1.80E-08**	**9.00E-09**	**2.60E-09**	**6.10E-09**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.30E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-1.65E-07	-1.65E-07	-1.65E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-3.00E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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	0.000439	0.000435	0.000455	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241
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**	**0**	**0**	**0.1**	**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	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.080	0.095	0.096	0.113	0.047	0.092	0.050	0.036	0.079	0.038	0.066	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	**0.8**	**1.0**	**1.0**	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**
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	0.031	0.070	0.040	0.036	0.032	0.045	0.044	0.040	0.035	0.030	0.088	0.087
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**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**

Licensee Comments: none

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	43.0	27.0	34.0	32.0	58.0	20.0	35.0	26.0
Total opportunities	43.0	27.0	34.0	32.0	59.0	21.0	35.0	26.0
Indicator value	**96.4%**	**96.7%**	**97.2%**	**97.8%**	**98.1%**	**98.3%**	**98.3%**	**99.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	139.0	137.0	138.0	133.0	132.0	129.0	129.0	131.0
Total Key personnel	139.0	137.0	138.0	133.0	132.0	129.0	129.0	131.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	474	473	474	552	474	553
Total sirens-tests	474	553	474	474	474	553	474	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: August 19, 2013

Millstone 3

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	0	0	0	0	1.0
Critical hours	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

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	1.0	0	1.0	0	0	0	0
Critical hours	1153.5	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1
Indicator value	**0**	**0.9**	**0.9**	**1.8**	**1.6**	**0.8**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	1	0	0	1	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**2**	**1**	**2**

Licensee Comments:

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	4.15E-08	6.30E-08	6.66E-08	7.65E-08	4.65E-08	2.77E-08	3.57E-08	3.33E-08
URI (ΔCDF)	2.66E-08	2.89E-08	1.92E-08	1.23E-08	1.12E-07	-2.19E-07	-2.15E-07	-2.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-08**	**9.20E-08**	**8.60E-08**	**8.90E-08**	**1.60E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-3.01E-09	6.44E-09	1.48E-08	8.79E-09	4.14E-09	4.22E-09	3.64E-09	1.12E-08
URI (ΔCDF)	-9.34E-09	-7.58E-09	-5.71E-09	-3.73E-09	9.71E-08	9.80E-08	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.10E-09**	**9.10E-09**	**5.10E-09**	**1.00E-07**	**1.00E-07**	**-1.00E-07**	**-9.30E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-2.35E-09	2.55E-08	1.38E-08	5.75E-09	5.61E-09	5.45E-09	5.03E-09	-5.57E-09
URI (ΔCDF)	1.63E-07	1.57E-07	1.63E-07	1.63E-07	4.46E-08	4.47E-08	4.27E-08	4.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-07**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**5.00E-08**	**5.00E-08**	**4.80E-08**	**3.50E-08**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	5.74E-08	7.97E-08	7.97E-08	6.28E-08	4.52E-08	3.94E-08	4.04E-08	4.05E-08
URI (ΔCDF)	-4.40E-08	-4.54E-08	-4.42E-08	-4.52E-08	-3.62E-08	-3.68E-08	-3.43E-08	-3.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**3.40E-08**	**3.50E-08**	**1.80E-08**	**9.00E-09**	**2.60E-09**	**6.10E-09**	**5.90E-09**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-1.65E-07	-1.65E-07	-1.65E-07	-1.64E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-4.26E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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	0.000540	0.000135	0.000158	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223
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	**0.1**	**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	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.113	0.047	0.092	0.050	0.036	0.079	0.038	0.066	0.050	0.031	0.070	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	**1.1**	**0.5**	**0.9**	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**
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	0.036	0.032	0.045	0.044	0.040	0.035	0.030	0.088	0.087	0.106	0.087	0.077
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	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**	**1.1**	**0.9**	**0.8**

Licensee Comments: none

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	27.0	34.0	32.0	58.0	20.0	35.0	26.0	20.0
Total opportunities	27.0	34.0	32.0	59.0	21.0	35.0	26.0	21.0
Indicator value	**96.7%**	**97.2%**	**97.8%**	**98.1%**	**98.3%**	**98.3%**	**99.3%**	**98.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	137.0	138.0	133.0	132.0	129.0	129.0	131.0	132.0
Total Key personnel	137.0	138.0	133.0	132.0	129.0	129.0	131.0	132.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	553	474	473	474	552	474	553	474
Total sirens-tests	553	474	474	474	553	474	553	474
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: October 22, 2013

Millstone 3

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

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	1.0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0
Indicator value	**0.9**	**0.9**	**1.8**	**1.6**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	1	0	0	1	0	1	0
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**2**	**2**

Licensee Comments:

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	6.30E-08	6.66E-08	7.65E-08	4.65E-08	2.77E-08	3.57E-08	3.33E-08	6.22E-08
URI (ΔCDF)	2.89E-08	1.92E-08	1.23E-08	1.12E-07	-2.19E-07	-2.15E-07	-2.15E-07	-2.09E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.20E-08**	**8.60E-08**	**8.90E-08**	**1.60E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	6.44E-09	1.48E-08	8.79E-09	4.14E-09	4.22E-09	3.64E-09	1.12E-08	6.63E-09
URI (ΔCDF)	-7.58E-09	-5.71E-09	-3.73E-09	9.71E-08	9.80E-08	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-09**	**9.10E-09**	**5.10E-09**	**1.00E-07**	**1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	2.55E-08	1.38E-08	5.75E-09	5.61E-09	5.45E-09	5.03E-09	-5.57E-09	2.28E-08
URI (ΔCDF)	1.57E-07	1.63E-07	1.63E-07	4.46E-08	4.47E-08	4.27E-08	4.04E-08	1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.80E-07**	**1.70E-07**	**5.00E-08**	**5.00E-08**	**4.80E-08**	**3.50E-08**	**1.70E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	7.97E-08	7.97E-08	6.28E-08	4.52E-08	3.94E-08	4.04E-08	4.05E-08	1.24E-08
URI (ΔCDF)	-4.54E-08	-4.42E-08	-4.52E-08	-3.62E-08	-3.68E-08	-3.43E-08	-3.46E-08	-3.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**3.50E-08**	**1.80E-08**	**9.00E-09**	**2.60E-09**	**6.10E-09**	**5.90E-09**	**-2.10E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.25E-08	-4.25E-08	-4.25E-08	-1.65E-07	-1.65E-07	-1.65E-07	-1.64E-07	-1.65E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-4.26E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000176	0.000211	0.000188	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.050	0.036	0.079	0.038	0.066	0.050	0.031	0.070	0.040	0.036	0.032	0.045
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	**0.5**	**0.4**	**0.8**	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**
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	0.044	0.040	0.035	0.030	0.088	0.087	0.106	0.087	0.077	0.084	0.088	0.073
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	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**	**1.1**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	34.0	32.0	58.0	20.0	35.0	26.0	20.0	26.0
Total opportunities	34.0	32.0	59.0	21.0	35.0	26.0	21.0	26.0
Indicator value	**97.2%**	**97.8%**	**98.1%**	**98.3%**	**98.3%**	**99.3%**	**98.8%**	**98.8%**

Licensee Comments: none

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	138.0	133.0	132.0	129.0	129.0	131.0	132.0	132.0
Total Key personnel	138.0	133.0	132.0	129.0	129.0	131.0	132.0	132.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	473	474	552	474	553	474	553
Total sirens-tests	474	474	474	553	474	553	474	553
Indicator value	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: January 22, 2014

Millstone 3

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

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	1.0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0
Indicator value	**0.9**	**1.8**	**1.6**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	1	0	0	1	0	1	0	1
Indicator value	**1**	**1**	**1**	**2**	**1**	**2**	**2**	**2**

Licensee Comments:

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	6.66E-08	7.65E-08	4.65E-08	2.77E-08	3.57E-08	3.33E-08	6.22E-08	6.43E-08
URI (ΔCDF)	1.92E-08	1.23E-08	1.12E-07	-2.19E-07	-2.15E-07	-2.15E-07	-2.09E-07	-2.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-08**	**8.90E-08**	**1.60E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	1.48E-08	8.79E-09	4.14E-09	4.22E-09	3.64E-09	1.12E-08	6.63E-09	8.94E-09
URI (ΔCDF)	-5.71E-09	-3.73E-09	9.71E-08	9.80E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.10E-09**	**5.10E-09**	**1.00E-07**	**1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	1.38E-08	5.75E-09	5.61E-09	5.45E-09	5.03E-09	-5.57E-09	2.28E-08	5.24E-08
URI (ΔCDF)	1.63E-07	1.63E-07	4.46E-08	4.47E-08	4.27E-08	4.04E-08	1.45E-07	1.73E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.70E-07**	**5.00E-08**	**5.00E-08**	**4.80E-08**	**3.50E-08**	**1.70E-07**	**2.30E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	7.97E-08	6.28E-08	4.52E-08	3.94E-08	4.04E-08	4.05E-08	1.24E-08	7.81E-09
URI (ΔCDF)	-4.42E-08	-4.52E-08	-3.62E-08	-3.68E-08	-3.43E-08	-3.46E-08	-3.38E-08	-3.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.50E-08**	**1.80E-08**	**9.00E-09**	**2.60E-09**	**6.10E-09**	**5.90E-09**	**-2.10E-08**	**-2.60E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-4.25E-08	-4.25E-08	-1.65E-07	-1.65E-07	-1.65E-07	-1.64E-07	-1.65E-07	-1.65E-07
URI (ΔCDF)	-4.26E-08	-4.26E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000177	0.000190	0.000241	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.038	0.066	0.050	0.031	0.070	0.040	0.036	0.032	0.045	0.044	0.040	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	**0.4**	**0.7**	**0.5**	**0.3**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**
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	0.030	0.088	0.087	0.106	0.087	0.077	0.084	0.088	0.073	0.074	0.064	0.061
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**	**0.9**	**1.1**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	32.0	58.0	20.0	35.0	26.0	20.0	26.0	28.0
Total opportunities	32.0	59.0	21.0	35.0	26.0	21.0	26.0	31.0
Indicator value	**97.8%**	**98.1%**	**98.3%**	**98.3%**	**99.3%**	**98.8%**	**98.8%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	133.0	132.0	129.0	129.0	131.0	132.0	132.0	132.0
Total Key personnel	133.0	132.0	129.0	129.0	131.0	132.0	132.0	132.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	473	474	552	474	553	474	553	474
Total sirens-tests	474	474	553	474	553	474	553	474
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: April 23, 2014

Millstone 3

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9
Indicator value	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.7**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9
Indicator value	**1.8**	**1.6**	**0.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	1.0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**

Licensee Comments: none

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	0	1	0	1	0	1	0
Indicator value	**1**	**1**	**2**	**1**	**2**	**2**	**2**	**2**

Licensee Comments:

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	7.65E-08	4.65E-08	2.77E-08	3.57E-08	3.33E-08	6.22E-08	6.43E-08	4.84E-08
URI (ΔCDF)	1.23E-08	1.12E-07	-2.19E-07	-2.15E-07	-2.15E-07	-2.09E-07	-2.07E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**1.60E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	8.79E-09	4.14E-09	4.22E-09	3.64E-09	1.12E-08	6.63E-09	8.94E-09	8.75E-09
URI (ΔCDF)	-3.73E-09	9.71E-08	9.80E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-09**	**1.00E-07**	**1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	5.75E-09	5.61E-09	5.45E-09	5.03E-09	-5.57E-09	2.28E-08	5.24E-08	5.26E-08
URI (ΔCDF)	1.63E-07	4.46E-08	4.47E-08	4.27E-08	4.04E-08	1.45E-07	1.73E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**5.00E-08**	**5.00E-08**	**4.80E-08**	**3.50E-08**	**1.70E-07**	**2.30E-07**	**1.70E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	6.28E-08	4.52E-08	3.94E-08	4.04E-08	4.05E-08	1.24E-08	7.81E-09	1.40E-08
URI (ΔCDF)	-4.52E-08	-3.62E-08	-3.68E-08	-3.43E-08	-3.46E-08	-3.38E-08	-3.38E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-08**	**9.00E-09**	**2.60E-09**	**6.10E-09**	**5.90E-09**	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-4.25E-08	-1.65E-07	-1.65E-07	-1.65E-07	-1.64E-07	-1.65E-07	-1.65E-07	-1.65E-07
URI (ΔCDF)	-4.26E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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	0.000241	0.000218	0.000223	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.031	0.070	0.040	0.036	0.032	0.045	0.044	0.040	0.035	0.030	0.088	0.087
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**	**0.7**	**0.4**	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**
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	0.106	0.087	0.077	0.084	0.088	0.073	0.074	0.064	0.061	0.070	0.236	0.174
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**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**

Licensee Comments: none

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	58.0	20.0	35.0	26.0	20.0	26.0	28.0	25.0
Total opportunities	59.0	21.0	35.0	26.0	21.0	26.0	31.0	25.0
Indicator value	**98.1%**	**98.3%**	**98.3%**	**99.3%**	**98.8%**	**98.8%**	**97.6%**	**97.5%**

Licensee Comments: none

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	132.0	129.0	129.0	131.0	132.0	132.0	132.0	130.0
Total Key personnel	132.0	129.0	129.0	131.0	132.0	132.0	132.0	130.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	552	474	553	474	553	474	553
Total sirens-tests	474	553	474	553	474	553	474	553
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**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	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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: July 31, 2014

Millstone 3

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	1.0	0
Critical hours	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**0.8**

Licensee Comments: none

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	0	0	0
Critical hours	2209.0	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0
Indicator value	**1.6**	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	0	0	0	0	1.0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**

Licensee Comments: none

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	0	1	0	1	0	1	0	0
Indicator value	**1**	**2**	**1**	**2**	**2**	**2**	**2**	**1**

Licensee Comments:

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	4.65E-08	2.77E-08	3.57E-08	3.33E-08	6.22E-08	6.43E-08	4.84E-08	-4.59E-09
URI (ΔCDF)	1.12E-07	-2.19E-07	-2.15E-07	-2.15E-07	-2.09E-07	-2.07E-07	-2.10E-07	-2.09E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	4.14E-09	4.22E-09	3.64E-09	1.12E-08	6.63E-09	8.94E-09	8.75E-09	1.43E-08
URI (ΔCDF)	9.71E-08	9.80E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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)	5.61E-09	5.45E-09	5.03E-09	-5.57E-09	2.28E-08	5.24E-08	5.26E-08	7.85E-08
URI (ΔCDF)	4.46E-08	4.47E-08	4.27E-08	4.04E-08	1.45E-07	1.73E-07	1.20E-07	1.57E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**5.00E-08**	**4.80E-08**	**3.50E-08**	**1.70E-07**	**2.30E-07**	**1.70E-07**	**2.40E-07**

Licensee Comments:

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	4.52E-08	3.94E-08	4.04E-08	4.05E-08	1.24E-08	7.81E-09	1.40E-08	-1.11E-08
URI (ΔCDF)	-3.62E-08	-3.68E-08	-3.43E-08	-3.46E-08	-3.38E-08	-3.38E-08	-3.40E-08	-3.33E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.00E-09**	**2.60E-09**	**6.10E-09**	**5.90E-09**	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

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 (ΔCDF)	-1.65E-07	-1.65E-07	-1.65E-07	-1.64E-07	-1.65E-07	-1.65E-07	-1.65E-07	-1.62E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**

Licensee Comments:

4Q/12: Changed PRA Parameter(s). PRA parameters were updated based on a model revision issued in the 3rd quarter 2012.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000232	0.000223	0.000251	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.036	0.032	0.045	0.044	0.040	0.035	0.030	0.088	0.087	0.106	0.087	0.077
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	**0.4**	**0.3**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**	**1.1**	**0.9**	**0.8**
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	0.084	0.088	0.073	0.074	0.064	0.061	0.070	0.236	0.174	0.199	0.086	0.095
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**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**

Licensee Comments: none

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	20.0	35.0	26.0	20.0	26.0	28.0	25.0	27.0
Total opportunities	21.0	35.0	26.0	21.0	26.0	31.0	25.0	27.0
Indicator value	**98.3%**	**98.3%**	**99.3%**	**98.8%**	**98.8%**	**97.6%**	**97.5%**	**97.6%**

Licensee Comments: none

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	129.0	129.0	131.0	132.0	132.0	132.0	130.0	128.0
Total Key personnel	129.0	129.0	131.0	132.0	132.0	132.0	130.0	128.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	552	474	553	474	553	474	553	474
Total sirens-tests	553	474	553	474	553	474	553	474
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: November 3, 2014

Millstone 3

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	1.0	0	0
Critical hours	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**0.8**	**0.9**

Licensee Comments: none

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	0	0	0	0
Critical hours	2159.0	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8
Indicator value	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

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	1.0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

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	1	0	1	0	1	0	0	0
Indicator value	**2**	**1**	**2**	**2**	**2**	**2**	**1**	**1**

Licensee Comments:

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

1Q/13: LER 2013-002-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	2.77E-08	3.57E-08	3.33E-08	6.22E-08	6.43E-08	4.84E-08	-4.59E-09	-3.06E-08
URI (ΔCDF)	-2.19E-07	-2.15E-07	-2.15E-07	-2.09E-07	-2.07E-07	-2.10E-07	-2.09E-07	-2.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	4.22E-09	3.64E-09	1.12E-08	6.63E-09	8.94E-09	8.75E-09	1.43E-08	1.87E-08
URI (ΔCDF)	9.80E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	5.45E-09	5.03E-09	-5.57E-09	2.28E-08	5.24E-08	5.26E-08	7.85E-08	7.83E-08
URI (ΔCDF)	4.47E-08	4.27E-08	4.04E-08	1.45E-07	1.73E-07	1.20E-07	2.05E-07	2.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**4.80E-08**	**3.50E-08**	**1.70E-07**	**2.30E-07**	**1.70E-07**	**2.80E-07**	**2.80E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	3.94E-08	4.04E-08	4.05E-08	1.24E-08	7.81E-09	1.40E-08	-1.11E-08	-1.13E-08
URI (ΔCDF)	-3.68E-08	-3.43E-08	-3.46E-08	-3.38E-08	-3.38E-08	-3.40E-08	-3.33E-08	-3.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-09**	**6.10E-09**	**5.90E-09**	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**

Licensee Comments:

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 (ΔCDF)	-1.65E-07	-1.65E-07	-1.64E-07	-1.65E-07	-1.65E-07	-1.65E-07	-1.62E-07	-1.64E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments: none

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	0.000234	0.000251	0.000246	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124
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**	**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	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.044	0.040	0.035	0.030	0.088	0.087	0.106	0.087	0.077	0.084	0.088	0.073
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	**0.4**	**0.4**	**0.4**	**0.3**	**0.9**	**0.9**	**1.1**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**
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	0.074	0.064	0.061	0.070	0.236	0.174	0.199	0.086	0.095	0.085	0.076	0.078
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	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

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	35.0	26.0	20.0	26.0	28.0	25.0	27.0	6.0
Total opportunities	35.0	26.0	21.0	26.0	31.0	25.0	27.0	6.0
Indicator value	**98.3%**	**99.3%**	**98.8%**	**98.8%**	**97.6%**	**97.5%**	**97.6%**	**98.0%**

Licensee Comments: none

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	129.0	131.0	132.0	132.0	132.0	130.0	128.0	126.0
Total Key personnel	129.0	131.0	132.0	132.0	132.0	130.0	128.0	126.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	474	553	474	553	474	553
Total sirens-tests	474	553	474	553	474	553	474	553
Indicator value	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: February 3, 2015

Millstone 3

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	1.0	0	0	0
Critical hours	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

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	0	0	0	0	0
Critical hours	1372.2	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

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	1	0	1	0	0	0	2
Indicator value	**1**	**2**	**2**	**2**	**2**	**1**	**1**	**2**

Licensee Comments:

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

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 (ΔCDF)	3.57E-08	3.33E-08	6.22E-08	6.43E-08	4.84E-08	-4.59E-09	-3.06E-08	-3.06E-08
URI (ΔCDF)	-2.15E-07	-2.15E-07	-2.09E-07	-2.07E-07	-2.10E-07	-2.09E-07	-2.03E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	3.64E-09	1.12E-08	6.63E-09	8.94E-09	8.75E-09	1.43E-08	1.87E-08	1.35E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	5.03E-09	-5.57E-09	2.28E-08	5.24E-08	5.26E-08	7.85E-08	7.83E-08	7.34E-08
URI (ΔCDF)	4.27E-08	4.04E-08	1.45E-07	1.73E-07	1.20E-07	2.05E-07	2.03E-07	2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-08**	**3.50E-08**	**1.70E-07**	**2.30E-07**	**1.70E-07**	**2.80E-07**	**2.80E-07**	**3.10E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	4.04E-08	4.05E-08	1.24E-08	7.81E-09	1.40E-08	-1.11E-08	-1.13E-08	-1.30E-08
URI (ΔCDF)	-3.43E-08	-3.46E-08	-3.38E-08	-3.38E-08	-3.40E-08	-3.33E-08	-3.45E-08	-3.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.10E-09**	**5.90E-09**	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-1.65E-07	-1.64E-07	-1.65E-07	-1.65E-07	-1.65E-07	-1.62E-07	-1.64E-07	-1.65E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**

Licensee Comments: none

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	0.000253	0.000051	0.000082	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.030	0.088	0.087	0.106	0.087	0.077	0.084	0.088	0.073	0.074	0.064	0.061
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**	**0.9**	**1.1**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**
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	0.070	0.236	0.174	0.199	0.086	0.095	0.085	0.076	0.078	0.061	0.063	0.055
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	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**

Licensee Comments: none

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	26.0	20.0	26.0	28.0	25.0	27.0	6.0	23.0
Total opportunities	26.0	21.0	26.0	31.0	25.0	27.0	6.0	23.0
Indicator value	**99.3%**	**98.8%**	**98.8%**	**97.6%**	**97.5%**	**97.6%**	**98.0%**	**97.8%**

Licensee Comments: none

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	131.0	132.0	132.0	132.0	130.0	128.0	126.0	127.0
Total Key personnel	131.0	132.0	132.0	132.0	130.0	128.0	126.0	127.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	474	553	474	553	474
Total sirens-tests	553	474	553	474	553	474	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: April 23, 2015

Millstone 3

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	1.0	0	0	0	0
Critical hours	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.7**	**0.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

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	0	0	0	0	0	0
Critical hours	2121.1	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**

Licensee Comments: none

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	1	0	1	0	0	0	2	1
Indicator value	**2**	**2**	**2**	**2**	**1**	**1**	**2**	**3**

Licensee Comments:

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

3Q/13: LER-2013-005-00 - Loss of Containment Integrity Due to Failed Airlock

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 (ΔCDF)	3.33E-08	6.22E-08	6.43E-08	4.84E-08	-4.59E-09	-3.06E-08	-3.06E-08	-3.06E-08
URI (ΔCDF)	-2.15E-07	-2.09E-07	-2.07E-07	-2.10E-07	-2.09E-07	-2.03E-07	-2.00E-07	-1.91E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	1.12E-08	6.63E-09	8.94E-09	8.75E-09	1.43E-08	1.87E-08	1.35E-08	1.28E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.30E-08**	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	-5.57E-09	2.28E-08	5.24E-08	5.26E-08	7.85E-08	7.83E-08	7.34E-08	7.41E-08
URI (ΔCDF)	4.04E-08	1.45E-07	1.73E-07	1.20E-07	2.05E-07	2.03E-07	2.37E-07	2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.50E-08**	**1.70E-07**	**2.30E-07**	**1.70E-07**	**2.80E-07**	**2.80E-07**	**3.10E-07**	**3.10E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	4.05E-08	1.24E-08	7.81E-09	1.40E-08	-1.11E-08	-1.13E-08	-1.30E-08	-1.30E-08
URI (ΔCDF)	-3.46E-08	-3.38E-08	-3.38E-08	-3.40E-08	-3.33E-08	-3.45E-08	-3.29E-08	-3.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.90E-09**	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-1.64E-07	-1.65E-07	-1.65E-07	-1.65E-07	-1.62E-07	-1.64E-07	-1.65E-07	-1.64E-07
URI (ΔCDF)	-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	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**

Licensee Comments: none

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	0.000095	0.000095	0.000113	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138
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**	**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	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.106	0.087	0.077	0.084	0.088	0.073	0.074	0.064	0.061	0.070	0.236	0.174
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**	**0.9**	**0.8**	**0.8**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**
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	0.199	0.086	0.095	0.085	0.076	0.078	0.061	0.063	0.055	0.055	0.054	0.057
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	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**

Licensee Comments: none

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	20.0	26.0	28.0	25.0	27.0	6.0	23.0	36.0
Total opportunities	21.0	26.0	31.0	25.0	27.0	6.0	23.0	36.0
Indicator value	**98.8%**	**98.8%**	**97.6%**	**97.5%**	**97.6%**	**98.0%**	**97.8%**	**97.9%**

Licensee Comments: none

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	132.0	132.0	132.0	130.0	128.0	126.0	127.0	123.0
Total Key personnel	132.0	132.0	132.0	130.0	128.0	126.0	127.0	123.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	474	553	474	553	474	553
Total sirens-tests	474	553	474	553	474	553	474	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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

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 24, 2015

Millstone 3

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**1.7**	**0.8**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

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	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

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	1.0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**

Licensee Comments: none

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	1	0	0	0	2	1	0
Indicator value	**2**	**2**	**2**	**1**	**1**	**2**	**3**	**3**

Licensee Comments:

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	6.22E-08	6.43E-08	4.84E-08	-4.59E-09	-3.06E-08	-3.06E-08	-3.06E-08	-3.06E-08
URI (ΔCDF)	-2.09E-07	-2.07E-07	-2.10E-07	-2.09E-07	-2.03E-07	-2.00E-07	-1.91E-07	-1.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	6.63E-09	8.94E-09	8.75E-09	1.43E-08	1.87E-08	1.35E-08	1.28E-08	1.11E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	2.28E-08	5.24E-08	5.26E-08	7.85E-08	7.83E-08	7.34E-08	7.41E-08	7.44E-08
URI (ΔCDF)	1.45E-07	1.73E-07	1.20E-07	2.05E-07	2.03E-07	2.37E-07	2.37E-07	2.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**2.30E-07**	**1.70E-07**	**2.80E-07**	**2.80E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	1.24E-08	7.81E-09	1.40E-08	-1.11E-08	-1.13E-08	-1.30E-08	-1.30E-08	-1.30E-08
URI (ΔCDF)	-3.38E-08	-3.38E-08	-3.40E-08	-3.33E-08	-3.45E-08	-3.29E-08	-3.31E-08	-3.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.65E-07	-1.65E-07	-1.65E-07	-1.62E-07	-1.64E-07	-1.65E-07	-1.64E-07	-1.64E-07
URI (ΔCDF)	-3.00E-08	-3.00E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**

Licensee Comments: none

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	0.000113	0.000113	0.000124	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191
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**	**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	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.084	0.088	0.073	0.074	0.064	0.061	0.070	0.236	0.174	0.199	0.086	0.095
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**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**
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	0.085	0.076	0.078	0.061	0.063	0.055	0.055	0.054	0.057	0.052	0.050	0.067
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	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**

Licensee Comments: none

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	26.0	28.0	25.0	27.0	6.0	23.0	36.0	30.0
Total opportunities	26.0	31.0	25.0	27.0	6.0	23.0	36.0	32.0
Indicator value	**98.8%**	**97.6%**	**97.5%**	**97.6%**	**98.0%**	**97.8%**	**97.9%**	**97.6%**

Licensee Comments: none

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	132.0	132.0	130.0	128.0	126.0	127.0	123.0	120.0
Total Key personnel	132.0	132.0	130.0	128.0	126.0	127.0	123.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	474	553	474	553	528
Total sirens-tests	553	474	553	474	553	474	553	528
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: December 15, 2015

Millstone 3

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	0	0	0	0
Critical hours	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**1.7**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/14: A NOED was submitted by letter SN 14-043 and approved by the NRC. The NOED allowed MPS3 to remain on line during the completion of maintenance activities on the Turbine Driven Auxiliary Feedwater Pump.

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	1.0	0	0	0	0	0	0
Indicator value	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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	1	0	0	0	2	1	0	0
Indicator value	**2**	**2**	**1**	**1**	**2**	**3**	**3**	**3**

Licensee Comments:

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

1Q/14: MPS 3 LER 2013-009-00, Secondary Containment Boundary Breach Could Have Prevented Safety Function

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 (ΔCDF)	6.43E-08	4.84E-08	-4.59E-09	-3.06E-08	-3.06E-08	-3.06E-08	-3.06E-08	4.82E-08
URI (ΔCDF)	-2.07E-07	-2.10E-07	-2.09E-07	-2.03E-07	-2.00E-07	-1.91E-07	-1.95E-07	1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**	**2.00E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	8.94E-09	8.75E-09	1.43E-08	1.87E-08	1.35E-08	1.28E-08	1.11E-08	1.07E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.50E-08**	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	5.24E-08	5.26E-08	7.85E-08	7.83E-08	7.34E-08	7.41E-08	7.44E-08	7.42E-08
URI (ΔCDF)	1.73E-07	1.20E-07	2.05E-07	2.03E-07	2.37E-07	2.37E-07	2.34E-07	2.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-07**	**1.70E-07**	**2.80E-07**	**2.80E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	7.81E-09	1.40E-08	-1.11E-08	-1.13E-08	-1.30E-08	-1.30E-08	-1.30E-08	-6.71E-09
URI (ΔCDF)	-3.38E-08	-3.40E-08	-3.33E-08	-3.45E-08	-3.29E-08	-3.31E-08	-3.20E-08	-3.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.65E-07	-1.65E-07	-1.62E-07	-1.64E-07	-1.65E-07	-1.64E-07	-1.64E-07	-1.30E-07
URI (ΔCDF)	-3.00E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**

Licensee Comments: none

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	0.000119	0.000128	0.000128	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084
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**	**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	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.074	0.064	0.061	0.070	0.236	0.174	0.199	0.086	0.095	0.085	0.076	0.078
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	**0.7**	**0.6**	**0.6**	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**
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	0.061	0.063	0.055	0.055	0.054	0.057	0.052	0.050	0.067	0.058	0.059	0.087
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**	**0.6**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**

Licensee Comments: none

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	28.0	25.0	27.0	6.0	23.0	36.0	30.0	24.0
Total opportunities	31.0	25.0	27.0	6.0	23.0	36.0	32.0	28.0
Indicator value	**97.6%**	**97.5%**	**97.6%**	**98.0%**	**97.8%**	**97.9%**	**97.6%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	132.0	130.0	128.0	126.0	127.0	123.0	120.0	120.0
Total Key personnel	132.0	130.0	128.0	126.0	127.0	123.0	120.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	474	553	474	553	528	499
Total sirens-tests	474	553	474	553	474	553	528	499
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: February 17, 2016

Millstone 3

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	0	0	0	0	0	0	1.0
Critical hours	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9
Indicator value	**1.7**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

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	0	0	0	0	0	0
Critical hours	1994.9	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	0	2	1	0	0	0
Indicator value	**2**	**1**	**1**	**2**	**3**	**3**	**3**	**1**

Licensee Comments:

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

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 (ΔCDF)	4.84E-08	-4.59E-09	-3.06E-08	-3.06E-08	-3.06E-08	-3.06E-08	4.82E-08	4.84E-08
URI (ΔCDF)	-2.10E-07	-2.09E-07	-2.03E-07	-2.00E-07	-1.91E-07	-1.95E-07	1.48E-07	1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**	**2.00E-07**	**1.90E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	8.75E-09	1.43E-08	1.87E-08	1.35E-08	1.28E-08	1.11E-08	1.07E-08	1.14E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	5.26E-08	7.85E-08	7.83E-08	7.34E-08	7.41E-08	7.44E-08	7.42E-08	8.26E-08
URI (ΔCDF)	1.20E-07	2.05E-07	2.03E-07	2.37E-07	2.37E-07	2.34E-07	2.34E-07	2.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**2.80E-07**	**2.80E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.60E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	1.40E-08	-1.11E-08	-1.13E-08	-1.30E-08	-1.30E-08	-1.30E-08	-6.71E-09	-6.64E-09
URI (ΔCDF)	-3.40E-08	-3.33E-08	-3.45E-08	-3.29E-08	-3.31E-08	-3.20E-08	-3.24E-08	-3.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.65E-07	-1.62E-07	-1.64E-07	-1.65E-07	-1.64E-07	-1.64E-07	-1.30E-07	-1.45E-07
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**

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	0.000148	0.000134	0.000138	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077
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**	**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	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.070	0.236	0.174	0.199	0.086	0.095	0.085	0.076	0.078	0.061	0.063	0.055
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	**0.7**	**2.4**	**1.7**	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**
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	0.055	0.054	0.057	0.052	0.050	0.067	0.058	0.059	0.087	0.059	0.058	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	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**	**0.6**	**0.6**	**0.6**

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	25.0	27.0	6.0	23.0	36.0	30.0	24.0	36.0
Total opportunities	25.0	27.0	6.0	23.0	36.0	32.0	28.0	37.0
Indicator value	**97.5%**	**97.6%**	**98.0%**	**97.8%**	**97.9%**	**97.6%**	**95.7%**	**96.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	130.0	128.0	126.0	127.0	123.0	120.0	120.0	120.0
Total Key personnel	130.0	128.0	126.0	127.0	123.0	120.0	120.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	474	553	528	499	553
Total sirens-tests	553	474	553	474	553	528	499	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Last Modified: April 23, 2016

Millstone 3

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	1.0	2.0
Critical hours	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9	1103.8
Indicator value	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**	**2.8**

Licensee Comments: none

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	0	0	0	0	0	0	1.0
Critical hours	2208.0	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9	1103.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

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	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

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	2	1	0	0	0	1
Indicator value	**1**	**1**	**2**	**3**	**3**	**3**	**1**	**1**

Licensee Comments:

2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

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 (ΔCDF)	-4.59E-09	-3.06E-08	-3.06E-08	-3.06E-08	-3.06E-08	4.82E-08	4.84E-08	4.93E-08
URI (ΔCDF)	-2.09E-07	-2.03E-07	-2.00E-07	-1.91E-07	-1.95E-07	1.48E-07	1.46E-07	1.33E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**	**2.00E-07**	**1.90E-07**	**1.80E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	1.43E-08	1.87E-08	1.35E-08	1.28E-08	1.11E-08	1.07E-08	1.14E-08	9.86E-09
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-08**	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	7.85E-08	7.83E-08	7.34E-08	7.41E-08	7.44E-08	7.42E-08	8.26E-08	8.40E-08
URI (ΔCDF)	2.05E-07	2.03E-07	2.37E-07	2.37E-07	2.34E-07	2.34E-07	2.78E-07	2.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.80E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.60E-07**	**3.60E-07**

Licensee Comments:

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

3Q/14: A condition report was written on the turbine driven Auxiliary Feedwater pump in July 2014. This condition report is under review. If the event is determined to be a failure the 3rd quarter values will be updated in the 4th quarter.

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 (ΔCDF)	-1.11E-08	-1.13E-08	-1.30E-08	-1.30E-08	-1.30E-08	-6.71E-09	-6.64E-09	-6.32E-09
URI (ΔCDF)	-3.33E-08	-3.45E-08	-3.29E-08	-3.31E-08	-3.20E-08	-3.24E-08	-3.16E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.62E-07	-1.64E-07	-1.65E-07	-1.64E-07	-1.64E-07	-1.30E-07	-1.45E-07	-1.43E-07
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**

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	0.000162	0.000186	0.000191	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089
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**	**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	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.199	0.086	0.095	0.085	0.076	0.078	0.061	0.063	0.055	0.055	0.054	0.057
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	**2.0**	**0.9**	**1.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**
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	0.052	0.050	0.067	0.058	0.059	0.087	0.059	0.058	0.059	0.071	0.120	0.297
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	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**	**0.6**	**0.6**	**0.6**	**0.7**	**1.2**	**3.0**

Licensee Comments: none

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	27.0	6.0	23.0	36.0	30.0	24.0	36.0	16.0
Total opportunities	27.0	6.0	23.0	36.0	32.0	28.0	37.0	17.0
Indicator value	**97.6%**	**98.0%**	**97.8%**	**97.9%**	**97.6%**	**95.7%**	**96.7%**	**96.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	128.0	126.0	127.0	123.0	120.0	120.0	120.0	114.0
Total Key personnel	128.0	126.0	127.0	123.0	120.0	120.0	120.0	114.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	474	553	528	499	553	474
Total sirens-tests	474	553	474	553	528	499	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: July 25, 2016

Millstone 3

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	1.0	2.0	0
Critical hours	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9	1103.8	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**	**2.8**	**2.8**

Licensee Comments: none

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	0	0	0	0	0	0	1.0	0
Critical hours	1363.8	2159.0	2184.0	2208.0	2209.0	2097.9	1103.8	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

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	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**

Licensee Comments: none

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	2	1	0	0	0	1	0
Indicator value	**1**	**2**	**3**	**3**	**3**	**1**	**1**	**1**

Licensee Comments:

2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

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 (ΔCDF)	-3.06E-08	-3.06E-08	-3.06E-08	-3.06E-08	4.82E-08	4.84E-08	4.93E-08	4.19E-08
URI (ΔCDF)	-2.03E-07	-2.00E-07	-1.91E-07	-1.95E-07	1.48E-07	1.46E-07	1.33E-07	8.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**	**2.00E-07**	**1.90E-07**	**1.80E-07**	**1.30E-07**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	1.87E-08	1.35E-08	1.28E-08	1.11E-08	1.07E-08	1.14E-08	9.86E-09	-3.03E-12
URI (ΔCDF)	-1.04E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI.

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 (ΔCDF)	7.83E-08	7.34E-08	7.41E-08	7.44E-08	7.42E-08	8.26E-08	8.40E-08	7.34E-08
URI (ΔCDF)	2.03E-07	2.37E-07	2.37E-07	2.34E-07	2.34E-07	2.78E-07	2.75E-07	2.73E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.60E-07**	**3.60E-07**	**3.50E-07**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

4Q/14: Basis document updated in 4th quarter to update PRA values. No change to calculated MSPI. The open issue for the turbine driven auxiliary feedwater pump identified in July 2014 was determined to be a failure.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-1.13E-08	-1.30E-08	-1.30E-08	-1.30E-08	-6.71E-09	-6.64E-09	-6.32E-09	-5.31E-09
URI (ΔCDF)	-3.45E-08	-3.29E-08	-3.31E-08	-3.20E-08	-3.24E-08	-3.16E-08	-3.00E-08	-1.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.64E-07	-1.65E-07	-1.64E-07	-1.64E-07	-1.30E-07	-1.45E-07	-1.43E-07	-4.35E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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	0.000176	0.000041	0.000084	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105
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**	**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	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039	0.000070	0.000042	0.000044
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.085	0.076	0.078	0.061	0.063	0.055	0.055	0.054	0.057	0.052	0.050	0.067
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	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**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	0.058	0.059	0.087	0.059	0.058	0.059	0.071	0.120	0.297	0.092	0.080	0.084
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**	**0.9**	**0.6**	**0.6**	**0.6**	**0.7**	**1.2**	**3.0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

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	6.0	23.0	36.0	30.0	24.0	36.0	16.0	31.0
Total opportunities	6.0	23.0	36.0	32.0	28.0	37.0	17.0	33.0
Indicator value	**98.0%**	**97.8%**	**97.9%**	**97.6%**	**95.7%**	**96.7%**	**96.1%**	**95.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	126.0	127.0	123.0	120.0	120.0	120.0	114.0	118.0
Total Key personnel	126.0	127.0	123.0	120.0	120.0	120.0	114.0	118.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	553	474	553	528	499	553	474	553
Total sirens-tests	553	474	553	528	499	553	474	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: October 23, 2016

Millstone 3

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	1.0	2.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2097.9	1103.8	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**0**	**0.8**	**2.8**	**2.8**	**2.8**

Licensee Comments: none

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	2209.0	2097.9	1103.8	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

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**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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	2	1	0	0	0	1	0	0
Indicator value	**2**	**3**	**3**	**3**	**1**	**1**	**1**	**1**

Licensee Comments:

2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

1Q/15: LER 2014-004-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function.

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 (ΔCDF)	-3.06E-08	-3.06E-08	-3.06E-08	4.82E-08	4.84E-08	4.93E-08	4.19E-08	4.19E-08
URI (ΔCDF)	-2.00E-07	-1.91E-07	-1.95E-07	1.48E-07	1.46E-07	1.33E-07	8.55E-08	8.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**-2.20E-07**	**-2.30E-07**	**2.00E-07**	**1.90E-07**	**1.80E-07**	**1.30E-07**	**1.30E-07**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

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 (ΔCDF)	1.35E-08	1.28E-08	1.11E-08	1.07E-08	1.14E-08	9.86E-09	-3.03E-12	-9.62E-11
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**	**-2.20E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	7.34E-08	7.41E-08	7.44E-08	7.42E-08	8.26E-08	8.40E-08	7.34E-08	4.72E-08
URI (ΔCDF)	2.37E-07	2.37E-07	2.34E-07	2.34E-07	2.78E-07	2.75E-07	2.73E-07	1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.60E-07**	**3.60E-07**	**3.50E-07**	**2.30E-07**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-6.71E-09	-6.64E-09	-6.32E-09	-5.31E-09	-5.16E-09
URI (ΔCDF)	-3.29E-08	-3.31E-08	-3.20E-08	-3.24E-08	-3.16E-08	-3.00E-08	-1.99E-08	-1.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**	**-2.50E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.65E-07	-1.64E-07	-1.64E-07	-1.30E-07	-1.45E-07	-1.43E-07	-4.35E-08	-4.33E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.61E-08	-3.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**	**-7.90E-08**

Licensee Comments:

3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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	0.000104	0.000084	0.000077	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113
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**	**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	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039	0.000070	0.000042	0.000044	0.000047	0.000077	0.000092
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.061	0.063	0.055	0.055	0.054	0.057	0.052	0.050	0.067	0.058	0.059	0.087
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**	**0.6**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**
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	0.059	0.058	0.059	0.071	0.120	0.297	0.092	0.080	0.084	0.057	0.059	0.046
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**	**0.6**	**0.7**	**1.2**	**3.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.5**

Licensee Comments: none

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	23.0	36.0	30.0	24.0	36.0	16.0	31.0	25.0
Total opportunities	23.0	36.0	32.0	28.0	37.0	17.0	33.0	25.0
Indicator value	**97.8%**	**97.9%**	**97.6%**	**95.7%**	**96.7%**	**96.1%**	**95.3%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	127.0	123.0	120.0	120.0	120.0	114.0	118.0	118.0
Total Key personnel	127.0	123.0	120.0	120.0	120.0	114.0	118.0	118.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	474	553	528	499	553	474	553	474
Total sirens-tests	474	553	528	499	553	474	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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

Licensee Comments: none

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: January 24, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Millstone 3 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	0	1.0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0.8**	**2.8**	**2.8**	**2.8**	**1.8**

TOP

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	0
Critical hours	2184.0	2208.0	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	1	0	0	0	1	0	0	1
Indicator value	**3**	**3**	**3**	**1**	**1**	**1**	**1**	**2**

TOP

Licensee Comments:
1Q/17: LER 2017-001-00, Loss of Safety Function - Secondary Containment. NRC event # EN52501.
2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System
2Q/15: LER 2015-001-00, Unlatched Dual Train HELB Door Results in Potential Loss of Safety Function

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 (ΔCDF)	-3.06E-08	-3.06E-08	4.82E-08	4.84E-08	4.93E-08	4.19E-08	4.19E-08	4.19E-08
URI (ΔCDF)	-1.91E-07	-1.95E-07	1.48E-07	1.46E-07	1.33E-07	8.55E-08	8.75E-08	9.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-2.30E-07**	**2.00E-07**	**1.90E-07**	**1.80E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**

TOP

Licensee Comments:
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

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 (ΔCDF)	1.28E-08	1.11E-08	1.07E-08	1.14E-08	9.86E-09	-3.03E-12	-9.62E-11	-1.74E-10
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	7.41E-08	7.44E-08	7.42E-08	8.26E-08	8.40E-08	7.34E-08	4.72E-08	1.49E-08
URI (ΔCDF)	2.37E-07	2.34E-07	2.34E-07	2.78E-07	2.75E-07	2.73E-07	1.85E-07	1.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.10E-07**	**3.10E-07**	**3.60E-07**	**3.60E-07**	**3.50E-07**	**2.30E-07**	**1.60E-07**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.30E-08	-1.30E-08	-6.71E-09	-6.64E-09	-6.32E-09	-5.31E-09	-5.16E-09	-1.10E-08
URI (ΔCDF)	-3.31E-08	-3.20E-08	-3.24E-08	-3.16E-08	-3.00E-08	-1.99E-08	-1.95E-08	-1.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**	**-2.50E-08**	**-3.00E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.64E-07	-1.64E-07	-1.30E-07	-1.45E-07	-1.43E-07	-4.35E-08	-4.33E-08	-3.76E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.61E-08	-3.61E-08	-3.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**	**-7.90E-08**	**-7.40E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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	0.000100	0.000090	0.000089	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134
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**	**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	0.000223	0.000034	0.000039	0.000070	0.000042	0.000044	0.000047	0.000077	0.000092	0.000091	0.000118	0.000107
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**	**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	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	0.055	0.054	0.057	0.052	0.050	0.067	0.058	0.059	0.087	0.059	0.058	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	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**	**0.6**	**0.6**	**0.6**

Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.071	0.120	0.297	0.092	0.080	0.084	0.057	0.059	0.046	0.046	0.044	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	**0.7**	**1.2**	**3.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.4**

TOP

Licensee Comments: none

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	36.0	30.0	24.0	36.0	16.0	31.0	25.0	22.0
Total opportunities	36.0	32.0	28.0	37.0	17.0	33.0	25.0	22.0
Indicator value	**97.9%**	**97.6%**	**95.7%**	**96.7%**	**96.1%**	**95.3%**	**95.7%**	**95.7%**

TOP

Licensee Comments: none

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	123.0	120.0	120.0	120.0	114.0	118.0	118.0	118.0
Total Key personnel	123.0	120.0	120.0	120.0	114.0	118.0	118.0	119.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	553	528	499	553	474	553	474	553
Total sirens-tests	553	528	499	553	474	553	474	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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

United States Nuclear Regulatory Commission
Protecting People and the Environment

Millstone 3 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	1.0	2.0	0	0	0	0
Critical hours	2208.0	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0.8**	**2.8**	**2.8**	**2.8**	**1.8**	**0**

TOP

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	0	0
Critical hours	2208.0	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

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	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

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	0	1	0	0	1	0
Indicator value	**3**	**3**	**1**	**1**	**1**	**1**	**2**	**1**

TOP

Licensee Comments:
1Q/17: LER 2017-001-00, Loss of Safety Function - Secondary Containment. NRC event # EN52501.
2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

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 (ΔCDF)	-3.06E-08	4.82E-08	4.84E-08	4.93E-08	4.19E-08	4.19E-08	4.19E-08	5.51E-08
URI (ΔCDF)	-1.95E-07	1.48E-07	1.46E-07	1.33E-07	8.55E-08	8.75E-08	9.49E-08	3.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**2.00E-07**	**1.90E-07**	**1.80E-07**	**1.30E-07**	**1.30E-07**	**1.40E-07**	**3.90E-07**

TOP

Licensee Comments:
2Q/17: A condition report was written on a jacket water leak on the emergency diesel in May 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 2nd quarter values will be updated in the 3rd quarter. The failure determination will not impact the color of the indicator. The open issue for the cooling water leak on the emergency diesel in January 2017 was determined to be a run failure.
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

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 (ΔCDF)	1.11E-08	1.07E-08	1.14E-08	9.86E-09	-3.03E-12	-9.62E-11	-1.74E-10	-2.20E-10
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	7.44E-08	7.42E-08	8.26E-08	8.40E-08	7.34E-08	4.72E-08	1.49E-08	1.31E-08
URI (ΔCDF)	2.34E-07	2.34E-07	2.78E-07	2.75E-07	2.73E-07	1.85E-07	1.49E-07	1.56E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.10E-07**	**3.60E-07**	**3.60E-07**	**3.50E-07**	**2.30E-07**	**1.60E-07**	**1.70E-07**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.30E-08	-6.71E-09	-6.64E-09	-6.32E-09	-5.31E-09	-5.16E-09	-1.10E-08	-1.09E-08
URI (ΔCDF)	-3.20E-08	-3.24E-08	-3.16E-08	-3.00E-08	-1.99E-08	-1.95E-08	-1.92E-08	-1.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-08**	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**	**-2.50E-08**	**-3.00E-08**	**-3.00E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.64E-07	-1.30E-07	-1.45E-07	-1.43E-07	-4.35E-08	-4.33E-08	-3.76E-08	-5.22E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.01E-08	-3.61E-08	-3.61E-08	-3.61E-08	-3.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**	**-7.90E-08**	**-7.40E-08**	**-8.80E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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	0.000103	0.000089	0.000105	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039
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**	**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	0.000070	0.000042	0.000044	0.000047	0.000077	0.000092	0.000091	0.000118	0.000107	0.000103	0.000110	0.000105
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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	0.052	0.050	0.067	0.058	0.059	0.087	0.059	0.058	0.059	0.071	0.120	0.297
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	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.9**	**0.6**	**0.6**	**0.6**	**0.7**	**1.2**	**3.0**

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	0.092	0.080	0.084	0.057	0.059	0.046	0.046	0.044	0.035	0.039	0.035	0.030
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	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.5**	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**

TOP

Licensee Comments: none

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	30.0	24.0	36.0	16.0	31.0	25.0	22.0	16.0
Total opportunities	32.0	28.0	37.0	17.0	33.0	25.0	22.0	17.0
Indicator value	**97.6%**	**95.7%**	**96.7%**	**96.1%**	**95.3%**	**95.7%**	**95.7%**	**94.8%**

TOP

Licensee Comments: none

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	120.0	120.0	120.0	114.0	118.0	118.0	118.0	120.0
Total Key personnel	120.0	120.0	120.0	114.0	118.0	118.0	119.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	528	499	553	474	553	474	553	474
Total sirens-tests	528	499	553	474	553	474	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

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

TOP

Licensee Comments: none

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

United States Nuclear Regulatory Commission
Protecting People and the Environment

Millstone 3 – 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)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	1.0	2.0	0	0	0	0	0
Critical hours	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0.8**	**2.8**	**2.8**	**2.8**	**1.8**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 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	0	0	0
Critical hours	2209.0	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

TOP

Licensee Comments: none

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
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

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	0	1	0	0	1	0	0
Indicator value	**3**	**1**	**1**	**1**	**1**	**2**	**1**	**1**

TOP

Licensee Comments:
1Q/17: LER 2017-001-00, Loss of Safety Function - Secondary Containment. NRC event # EN52501.
2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

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 (ΔCDF)	4.82E-08	4.84E-08	4.93E-08	4.19E-08	4.19E-08	5.57E-08	5.51E-08	5.51E-08
URI (ΔCDF)	1.48E-07	1.46E-07	1.33E-07	8.55E-08	8.75E-08	3.35E-07	3.40E-07	3.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**1.90E-07**	**1.80E-07**	**1.30E-07**	**1.30E-07**	**3.90E-07**	**3.90E-07**	**4.00E-07**

TOP

Licensee Comments:
2Q/17: A condition report was written on a jacket water leak on the emergency diesel in May 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 2nd quarter values will be updated in the 3rd quarter. The failure determination will not impact the color of the indicator. The open issue for the cooling water leak on the emergency diesel in January 2017 was determined to be a run failure.
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

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 (ΔCDF)	1.07E-08	1.14E-08	9.86E-09	-3.03E-12	-9.62E-11	-1.74E-10	-2.20E-10	-3.05E-10
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	7.42E-08	8.26E-08	8.40E-08	7.34E-08	4.72E-08	1.49E-08	1.31E-08	-5.35E-09
URI (ΔCDF)	2.34E-07	2.78E-07	2.75E-07	2.73E-07	1.85E-07	1.49E-07	1.56E-07	3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.60E-07**	**3.60E-07**	**3.50E-07**	**2.30E-07**	**1.60E-07**	**1.70E-07**	**2.60E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-6.71E-09	-6.64E-09	-6.32E-09	-5.31E-09	-5.16E-09	-1.10E-08	-1.09E-08	-2.38E-09
URI (ΔCDF)	-3.24E-08	-3.16E-08	-3.00E-08	-1.99E-08	-1.95E-08	-1.92E-08	-1.87E-08	-1.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**	**-2.50E-08**	**-3.00E-08**	**-3.00E-08**	**-2.10E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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 (ΔCDF)	-1.30E-07	-1.45E-07	-1.43E-07	-4.35E-08	-4.33E-08	-3.76E-08	-5.22E-08	-5.00E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.01E-08	-3.61E-08	-3.61E-08	-3.61E-08	-3.59E-08	-3.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**	**-7.90E-08**	**-7.40E-08**	**-8.80E-08**	**-8.60E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

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	0.000123	0.000112	0.000113	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039	0.000070	0.000042	0.000044
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**	**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	0.000047	0.000077	0.000092	0.000091	0.000118	0.000107	0.000103	0.000110	0.000105	0.000098	0.000109	0.000133
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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	0.058	0.059	0.087	0.059	0.058	0.059	0.071	0.120	0.297	0.092	0.080	0.084
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**	**0.9**	**0.6**	**0.6**	**0.6**	**0.7**	**1.2**	**3.0**	**0.9**	**0.8**	**0.8**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.057	0.059	0.046	0.046	0.044	0.035	0.039	0.035	0.030	0.030	0.042	0.028
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**	**0.5**	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.4**	**0.3**

TOP

Licensee Comments: none

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	24.0	36.0	16.0	31.0	25.0	22.0	16.0	40.0
Total opportunities	28.0	37.0	17.0	33.0	25.0	22.0	17.0	40.0
Indicator value	**95.7%**	**96.7%**	**96.1%**	**95.3%**	**95.7%**	**95.7%**	**94.8%**	**95.9%**

TOP

Licensee Comments: none

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	114.0	118.0	118.0	118.0	120.0	120.0
Total Key personnel	120.0	120.0	114.0	118.0	118.0	119.0	120.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	499	553	474	553	474	553	474	553
Total sirens-tests	499	553	474	553	474	553	474	553
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

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

TOP

Licensee Comments: none

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

United States Nuclear Regulatory Commission
Protecting People and the Environment

Millstone 3 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
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- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	1.0	2.0	0	0	0	0	0	0
Critical hours	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0	2208.0	1457.2
Indicator value	**0.8**	**2.8**	**2.8**	**2.8**	**1.8**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2097.9	1103.8	2208.0	2209.0	2159.0	2184.0	2208.0	1457.2
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	0	1	0	0	1	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**2**	**1**	**1**	**1**

TOP

Licensee Comments:
1Q/17: LER 2017-001-00, Loss of Safety Function - Secondary Containment. NRC event # EN52501.
2Q/16: LER 216-003-00, Loss of Safety Function - Supplementary Leak Collection and Release System

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	4.84E-08	4.93E-08	4.19E-08	4.19E-08	5.57E-08	5.51E-08	5.51E-08	8.45E-08
URI (ΔCDF)	1.46E-07	1.33E-07	8.55E-08	8.75E-08	3.35E-07	3.40E-07	3.46E-07	3.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-07**	**1.80E-07**	**1.30E-07**	**1.30E-07**	**3.90E-07**	**3.90E-07**	**4.00E-07**	**4.20E-07**

TOP

Licensee Comments:
2Q/17: A condition report was written on a jacket water leak on the emergency diesel in May 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 2nd quarter values will be updated in the 3rd quarter. The failure determination will not impact the color of the indicator. The open issue for the cooling water leak on the emergency diesel in January 2017 was determined to be a run failure.
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
1Q/17: A condition report was written on a cooling water leak on the emergency diesel in January 2017. The evaluation for this issue has not been completed. If the event is determined to be a failure the 1st quarter values will be updated in the 2nd quarter. The failure determination will not impact the color of the indicator.
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016. The MSPI Basis document also included a decrease to the diesel baseline unavailability based on changes to maintenance strategies. These revised values were incorporated into CDE effective the fourth quarter 2016.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	1.14E-08	9.86E-09	-3.03E-12	-9.62E-11	-1.74E-10	-2.20E-10	-3.05E-10	-3.27E-10
URI (ΔCDF)	-1.10E-07	-1.10E-07	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-1.00E-07**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**	**-2.20E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	8.26E-08	8.40E-08	7.34E-08	4.72E-08	1.49E-08	1.31E-08	-5.35E-09	-5.39E-09
URI (ΔCDF)	2.78E-07	2.75E-07	2.73E-07	1.85E-07	1.49E-07	1.56E-07	3.13E-08	3.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-07**	**3.60E-07**	**3.50E-07**	**2.30E-07**	**1.60E-07**	**1.70E-07**	**2.60E-08**	**3.30E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-6.64E-09	-6.32E-09	-5.31E-09	-5.16E-09	-1.10E-08	-1.09E-08	-2.38E-09	-2.59E-09
URI (ΔCDF)	-3.16E-08	-3.00E-08	-1.99E-08	-1.95E-08	-1.92E-08	-1.87E-08	-1.83E-08	-1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.60E-08**	**-2.50E-08**	**-2.50E-08**	**-3.00E-08**	**-3.00E-08**	**-2.10E-08**	**-1.90E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.45E-07	-1.43E-07	-4.35E-08	-4.33E-08	-3.76E-08	-5.22E-08	-5.00E-08	-5.25E-08
URI (ΔCDF)	-3.01E-08	-3.01E-08	-3.61E-08	-3.61E-08	-3.61E-08	-3.59E-08	-3.59E-08	-3.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-8.00E-08**	**-7.90E-08**	**-7.40E-08**	**-8.80E-08**	**-8.60E-08**	**-8.80E-08**

TOP

Licensee Comments:
3Q/16: Changed PRA Parameter(s). A modification was completed in May 2016 which implemented low leakage Reactor Coolant Pump seals. A supplemental PRA evaluation determined that this plant modification resulted in a factor of three change in the corrected Birnbaum value of monitored MSPI components. The MSPI Basis document Revision 6 was approved 9/29/16 which includes the recalculated PRA values. A supplemental evaluation is being used until the PRA model of record is updated. The revised values were incorporated into CDE effective the third quarter 2016.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000124	0.000128	0.000134	0.000223	0.000034	0.000039	0.000070	0.000042	0.000044	0.000047	0.000077	0.000092
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000091	0.000118	0.000107	0.000103	0.000110	0.000105	0.000098	0.000109	0.000133	0.000093	0.000061	0.000038
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.059	0.058	0.059	0.071	0.120	0.297	0.092	0.080	0.084	0.057	0.059	0.046
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**	**0.6**	**0.7**	**1.2**	**3.0**	**0.9**	**0.8**	**0.8**	**0.6**	**0.6**	**0.5**

Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.046	0.044	0.035	0.039	0.035	0.030	0.030	0.042	0.028	0.028	0.167	0.108
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	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.4**	**0.3**	**0.3**	**1.7**	**1.1**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	36.0	16.0	31.0	25.0	22.0	16.0	40.0	32.0
Total opportunities	37.0	17.0	33.0	25.0	22.0	17.0	40.0	33.0
Indicator value	**96.7%**	**96.1%**	**95.3%**	**95.7%**	**95.7%**	**94.8%**	**95.9%**	**97.3%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	120.0	114.0	118.0	118.0	118.0	120.0	120.0	119.0
Total Key personnel	120.0	114.0	118.0	118.0	119.0	120.0	120.0	119.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	553	474	553	474	553	474	553	474
Total sirens-tests	553	474	553	474	553	474	553	474
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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: February 1, 2018

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